

DATA PACKAGE
SEMI-VOLATILE ORGANICS

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

AECOM
605 3rd Avenue
29th Floor
New York, NY - 10158
Phone No: 212-973-2900

ORDER ID : Q3419
ATTENTION : Rob Forstner



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3419

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number

Q3419-01
Q3419-02
Q3419-03
Q3419-04
Q3419-05

Client Sample Number

PR-132-S16-015094-20251021
PR-132-S16-015094-20251021MS
PR-132-S16-015094-20251021MSD
PR132-S16-119133-20251021
PR132-S16-094119-20251021

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:57 am, Nov 03, 2025

Date: 11/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

AECOM

Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Project # N/A

Order ID # Q3419

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/21/2025.

B. Parameters

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

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_G using GC Column ZB-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for PB170215BL [Nitrobenzene-d5 - 110%], marginally high therefore no corrective action taken.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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

The %RSD is greater than 20% in the Method 8270-BG102421.M for 2-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol these Compounds are passing on Linear regression,

The Continuous Calibration File ID BG064618.D met the requirements except for Di-n-octyl phthalate, Hexachlorocyclopentadiene and Nitrobenzene-d5, marginally high but The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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

The Tuning criteria met requirements.

E. Additional Comments:

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

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

F. Manual Integration Comments:

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

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

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:02 am, Nov 03, 2025

Signature _____

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

ORDER ID: Q3419

MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Method 8270-BG102421.M for 2-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro- 2-methylphenolthese Compounds are passing on Linear regression, The Continuous Calibration File ID BG064618.D met the requirements except for Di-n- octyl phthalate,Hexachlorocyclopentadiene and Nitrobenzene-d5, marginally high but The associate samples have no positive hit for these compounds therefore no corrective action was taken..		✓	
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:			✓
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries were met for all analysis except for PB170215BL [Nitrobenzene-d5 - 110%], marginally high therefore no corrective action taken.			✓

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

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The MS recoveries met the requirements for all compounds. The MSD recoveries met the requirements for all compounds. The Blank Spike met requirements for all compounds.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
 The soil samples results are based on a dry weight basis.

QA REVIEW

REVIEWED

Sohil Jodhani, QA/QC Director , 11/3/2025, 9:49:15 AM

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3419

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/01/2025

LAB CHRONICLE

OrderID:	Q3419	OrderDate:	10/22/2025 11:01:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	Location:	D41,VOA- Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3419-01	PR-132-S16-015094-2 0251021	SOIL			10/21/25			10/21/25
			SVOC-TCL BNA -20	8270E		10/23/25	10/29/25	
Q3419-04	PR132-S16-119133-2 0251021	SOIL			10/21/25			10/21/25
			SVOC-TCL BNA -20	8270E		10/23/25	10/29/25	
Q3419-05	PR132-S16-094119-2 0251021	SOIL			10/21/25			10/21/25
			SVOC-TCL BNA -20	8270E		10/23/25	10/28/25	

Hit Summary Sheet SW-846

SDG No.: Q3419
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR-132-S16-015094-20251021								
Q3419-01	PR-132-S16-015094-2025	SOIL	Benzophenone	*	350.000	J 0	0	ug/Kg
Q3419-01	PR-132-S16-015094-2025	SOIL	Cyclohexane	*	370.000	J 0	0	ug/Kg
Q3419-01	PR-132-S16-015094-2025	SOIL	n-Hexadecanoic acid	*	670.000	J 0	0	ug/Kg
Q3419-01	PR-132-S16-015094-2025	SOIL	Z-5-Nonadecene	*	210.000	J 0	0	ug/Kg
Total Tics :				1,600.00				
Total Concentration:				1,600.00				
Client ID : PR132-S16-119133-20251021								
Q3419-04	PR132-S16-119133-2025	SOIL	Phenanthrene		420.000		330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Anthracene		180.000	J 64.4	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Fluoranthene		520.000		330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Pyrene		550.000		330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(a)anthracene		390.000		330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Chrysene		370.000		330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(b)fluoranthene		410.000		330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(a)pyrene		380.000		330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(g,h,i)perylene		130.000	J 49.7	330	ug/Kg
Total Svoc :				3,350.00				
Q3419-04	PR132-S16-119133-2025	SOIL	2,6,10-Trimethyltridecane	*	760.000	J 0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	2-Bromo dodecane	*	560.000	J 0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Retene	*	510.000	J 0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Cyclohexane, 2-butyl-1,1,3-trimet	*	220.000	J 0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Dodecane, 2,6,10-trimethyl-	*	550.000	J 0	0	ug/Kg
Total Tics :				2,600.00				
Total Concentration:				5,950.00				
Client ID : PR132-S16-094119-20251021								
Q3419-05	PR132-S16-094119-2025	SOIL	Acenaphthene		210.000	J 45.3	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Dibenzofuran		240.000	J 48.3	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Fluorene		660.000		360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Phenanthrene		4,400.000		360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Anthracene		3,100.000		360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Carbazole		920.000		360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Fluoranthene		5,200.000		360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Pyrene		2,800.000		360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(a)anthracene		1,100.000		360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Chrysene		1,200.000		360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Bis(2-ethylhexyl)phthalate		180.000	J 130	360	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3419
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(b)fluoranthene	470.000		40.4	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(k)fluoranthene	190.000	J	47.7	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(a)pyrene	320.000	J	62.8	360	ug/Kg
Total Svoc :				20,990.00				
Q3419-05	PR132-S16-094119-2025	SOIL	Dibenzothiophene	*	550.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	di-p-Tolylacetylene	*	290.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo[e]pyrene	*	310.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzophenone	*	500.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	1,1-Biphenyl, 2,2,5,5-tetrameth	*	300.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	11H-Benzo[b]fluorene	*	520.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	1H-Cyclopropa[l]phenanthrene, 1a	*	510.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Naphthalene, 2-methyl-	*	200.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Naphthalene, 2-phenyl-	*	560.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Phenanthrene, 1-methyl-	*	840.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Phenanthrene, 2-methyl-	*	1,000.000	J 0	0	ug/Kg
Total Tics :				5,580.00				
Total Concentration:				26,570.00				



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3419

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170215BL	PB170215BL	2-Fluorophenol	150	139	92		18	112
		Phenol-d6	150	139	92		15	107
		Nitrobenzene-d5	100	110	110	*	18	107
		2-Fluorobiphenyl	100	96.8	97		20	109
		2,4,6-Tribromophenol	150	161	108		10	116
		Terphenyl-d14	100	90.8	91		10	105
PB170215BS	PB170215BS	2-Fluorophenol	150	125	83		18	112
		Phenol-d6	150	125	83		15	107
		Nitrobenzene-d5	100	95.4	95		18	107
		2-Fluorobiphenyl	100	79.6	80		20	109
		2,4,6-Tribromophenol	150	144	96		10	116
		Terphenyl-d14	100	83.3	83		10	105
Q3419-01	PR-132-S16-015094-20251021	2-Fluorophenol	150	91.2	61		18	112
		Phenol-d6	150	88.1	59		15	107
		Nitrobenzene-d5	100	74.0	74		18	107
		2-Fluorobiphenyl	100	57.0	57		20	109
		2,4,6-Tribromophenol	150	116	77		10	116
		Terphenyl-d14	100	55.0	55		10	105
Q3419-02MS	PR-132-S16-015094-20251021MS	2-Fluorophenol	150	95.5	64		18	112
		Phenol-d6	150	99.7	66		15	107
		Nitrobenzene-d5	100	76.9	77		18	107
		2-Fluorobiphenyl	100	60.3	60		20	109
		2,4,6-Tribromophenol	150	123	82		10	116
		Terphenyl-d14	100	60.4	60		10	105
Q3419-03MSD	PR-132-S16-015094-20251021MSD	2-Fluorophenol	150	92.9	62		18	112
		Phenol-d6	150	92.6	62		15	107
		Nitrobenzene-d5	100	74.9	75		18	107
		2-Fluorobiphenyl	100	58.4	58		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	57.1	57		10	105
Q3419-04	PR132-S16-119133-20251021	2-Fluorophenol	150	62.2	41		18	112
		Phenol-d6	150	67.7	45		15	107
		Nitrobenzene-d5	100	42.2	42		18	107
		2-Fluorobiphenyl	100	36.2	36		20	109
		2,4,6-Tribromophenol	150	60.2	40		10	116
		Terphenyl-d14	100	31.8	32		10	105
Q3419-05	PR132-S16-094119-20251021	2-Fluorophenol	150	84.7	56		18	112
		Phenol-d6	150	76.3	51		15	107
		Nitrobenzene-d5	100	58.8	59		18	107
		2-Fluorobiphenyl	100	46.5	46		20	109
		2,4,6-Tribromophenol	150	82.5	55		10	116
		Terphenyl-d14	100	43.7	44		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3419-02MS		Client Sample ID: PR-132-S16-015094-20251021MS									
Benzaldehyde	3100	0	2100	ug/Kg	68				10	171	
Phenol	3100	0	3000	ug/Kg	97				51	122	
bis(2-Chloroethyl)ether	3100	0	2000	ug/Kg	65				54	125	
2-Chlorophenol	3100	0	3200	ug/Kg	103				51	121	
2-Methylphenol	3100	0	3000	ug/Kg	97				47	125	
2,2-oxybis(1-Chloropropane)	3100	0	2800	ug/Kg	90				46	119	
Acetophenone	3100	0	3300	ug/Kg	106				55	128	
3+4-Methylphenols	3100	0	3000	ug/Kg	97				49	125	
N-Nitroso-di-n-propylamine	3100	0	3000	ug/Kg	97				59	119	
Hexachloroethane	3100	0	3200	ug/Kg	103				51	116	
Nitrobenzene	3100	0	3400	ug/Kg	110				47	124	
Isophorone	3100	0	3000	ug/Kg	97				49	127	
2-Nitrophenol	3100	0	3800	ug/Kg	123				43	131	
2,4-Dimethylphenol	3100	0	3500	ug/Kg	113				63	151	
bis(2-Chloroethoxy)methane	3100	0	2900	ug/Kg	94				51	119	
2,4-Dichlorophenol	3100	0	3500	ug/Kg	113				50	122	
Naphthalene	3100	0	3000	ug/Kg	97				51	121	
4-Chloroaniline	3100	0	1300	ug/Kg	42				10	100	
Hexachlorobutadiene	3100	0	3200	ug/Kg	103				44	126	
Caprolactam	3100	0	3100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	3100	0	3200	ug/Kg	103				57	132	
2-Methylnaphthalene	3100	0	2800	ug/Kg	90				59	123	
Hexachlorocyclopentadiene	6100	0	9500	ug/Kg	156				10	175	
2,4,6-Trichlorophenol	3100	0	3600	ug/Kg	116				33	141	
2,4,5-Trichlorophenol	3100	0	3400	ug/Kg	110				38	135	
1,1-Biphenyl	3100	0	3400	ug/Kg	110				55	131	
2-Chloronaphthalene	3100	0	3100	ug/Kg	100				48	124	
2-Nitroaniline	3100	0	3400	ug/Kg	110				47	134	
Dimethylphthalate	3100	0	3100	ug/Kg	100				54	120	
Acenaphthylene	3100	0	3500	ug/Kg	113				57	125	
2,6-Dinitrotoluene	3100	0	3700	ug/Kg	119				48	127	
3-Nitroaniline	3100	0	2500	ug/Kg	81				10	112	
Acenaphthene	3100	0	3500	ug/Kg	113				70	121	
2,4-Dinitrophenol	6100	0	8100	ug/Kg	133				10	155	
4-Nitrophenol	6100	0	7500	ug/Kg	123				10	175	
Dibenzofuran	3100	0	3100	ug/Kg	100				52	114	
2,4-Dinitrotoluene	3100	0	3600	ug/Kg	116				41	140	
Diethylphthalate	3100	0	3100	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	3100	0	3100	ug/Kg	100				48	122	
Fluorene	3100	0	3100	ug/Kg	100				53	118	
4-Nitroaniline	3100	0	3600	ug/Kg	116				29	140	
4,6-Dinitro-2-methylphenol	3100	0	4000	ug/Kg	129				10	160	
N-Nitrosodiphenylamine	3100	0	3100	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	3100	0	3200	ug/Kg	103				65	121	
Hexachlorobenzene	3100	0	3200	ug/Kg	103				67	118	
Atrazine	3100	0	3400	ug/Kg	110				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	6100	0	7000	ug/Kg	115				13	153	
Phenanthrene	3100	0	3100	ug/Kg	100				52	128	
Anthracene	3100	0	3100	ug/Kg	100				62	124	
Carbazole	3100	0	3100	ug/Kg	100				59	119	
Di-n-butylphthalate	3100	0	3200	ug/Kg	103				55	125	
Fluoranthene	3100	0	3100	ug/Kg	100				44	125	
Pyrene	3100	0	2900	ug/Kg	94				37	122	
Butylbenzylphthalate	3100	0	3500	ug/Kg	113				44	135	
3,3-Dichlorobenzidine	3100	0	1700	ug/Kg	55				15	112	
Benzo(a)anthracene	3100	0	3100	ug/Kg	100				53	119	
Chrysene	3100	0	3100	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	3100	0	3400	ug/Kg	110				42	169	
Di-n-octyl phthalate	3100	0	3500	ug/Kg	113				51	156	
Benzo(b)fluoranthene	3100	0	3100	ug/Kg	100				52	117	
Benzo(k)fluoranthene	3100	0	3200	ug/Kg	103				57	134	
Benzo(a)pyrene	3100	0	3200	ug/Kg	103				70	142	
Indeno(1,2,3-cd)pyrene	3100	0	3100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	3100	0	3200	ug/Kg	103				43	123	
Benzo(g,h,i)perylene	3100	0	3100	ug/Kg	100				24	125	
1,2,4,5-Tetrachlorobenzene	3100	0	3500	ug/Kg	113				52	134	
1,4-Dioxane	3100	0	2500	ug/Kg	81				46	112	
2,3,4,6-Tetrachlorophenol	3100	0	3800	ug/Kg	123				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3419-03MSD		Client Sample ID: PR-132-S16-015094-20251021MSD									
Benzaldehyde	3100	0	2100	ug/Kg	68		0		10	171	20
Phenol	3100	0	2900	ug/Kg	94		3		51	122	20
bis(2-Chloroethyl)ether	3100	0	1900	ug/Kg	61		6		54	125	20
2-Chlorophenol	3100	0	3000	ug/Kg	97		6		51	121	20
2-Methylphenol	3100	0	2900	ug/Kg	94		3		47	125	20
2,2-oxybis(1-Chloropropane)	3100	0	2700	ug/Kg	87		3		46	119	20
Acetophenone	3100	0	3100	ug/Kg	100		6		55	128	20
3+4-Methylphenols	3100	0	2900	ug/Kg	94		3		49	125	20
N-Nitroso-di-n-propylamine	3100	0	2700	ug/Kg	87		11		59	119	20
Hexachloroethane	3100	0	3000	ug/Kg	97		6		51	116	20
Nitrobenzene	3100	0	3300	ug/Kg	106		4		47	124	20
Isophorone	3100	0	2800	ug/Kg	90		7		49	127	20
2-Nitrophenol	3100	0	3800	ug/Kg	123		0		43	131	20
2,4-Dimethylphenol	3100	0	3300	ug/Kg	106		6		63	151	20
bis(2-Chloroethoxy)methane	3100	0	2800	ug/Kg	90		4		51	119	20
2,4-Dichlorophenol	3100	0	3300	ug/Kg	106		6		50	122	20
Naphthalene	3100	0	2900	ug/Kg	94		3		51	121	20
4-Chloroaniline	3100	0	1200	ug/Kg	39		7		10	100	20
Hexachlorobutadiene	3100	0	3100	ug/Kg	100		3		44	126	20
Caprolactam	3100	0	2800	ug/Kg	90		11		51	134	20
4-Chloro-3-methylphenol	3100	0	3100	ug/Kg	100		3		57	132	20
2-Methylnaphthalene	3100	0	2700	ug/Kg	87		3		59	123	20
Hexachlorocyclopentadiene	6100	0	8900	ug/Kg	146		7		10	175	20
2,4,6-Trichlorophenol	3100	0	3500	ug/Kg	113		3		33	141	20
2,4,5-Trichlorophenol	3100	0	3400	ug/Kg	110		0		38	135	20
1,1-Biphenyl	3100	0	3300	ug/Kg	106		4		55	131	20
2-Chloronaphthalene	3100	0	3000	ug/Kg	97		3		48	124	20
2-Nitroaniline	3100	0	3300	ug/Kg	106		4		47	134	20
Dimethylphthalate	3100	0	2900	ug/Kg	94		6		54	120	20
Acenaphthylene	3100	0	3300	ug/Kg	106		6		57	125	20
2,6-Dinitrotoluene	3100	0	3600	ug/Kg	116		3		48	127	20
3-Nitroaniline	3100	0	2400	ug/Kg	77		5		10	112	20
Acenaphthene	3100	0	3400	ug/Kg	110		3		70	121	20
2,4-Dinitrophenol	6100	0	7800	ug/Kg	128		4		10	155	20
4-Nitrophenol	6100	0	6900	ug/Kg	113		8		10	175	20
Dibenzofuran	3100	0	2900	ug/Kg	94		6		52	114	20
2,4-Dinitrotoluene	3100	0	3300	ug/Kg	106		9		41	140	20
Diethylphthalate	3100	0	2900	ug/Kg	94		6		51	119	20
4-Chlorophenyl-phenylether	3100	0	3000	ug/Kg	97		3		48	122	20
Fluorene	3100	0	3000	ug/Kg	97		3		53	118	20
4-Nitroaniline	3100	0	3500	ug/Kg	113		3		29	140	20
4,6-Dinitro-2-methylphenol	3100	0	3900	ug/Kg	126		2		10	160	20
N-Nitrosodiphenylamine	3100	0	3100	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	3100	0	3000	ug/Kg	97		6		65	121	20
Hexachlorobenzene	3100	0	3100	ug/Kg	100		3		67	118	20
Atrazine	3100	0	3300	ug/Kg	106		4		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	6100	0	6800	ug/Kg	111		4		13	153	20
Phenanthrene	3100	0	3000	ug/Kg	97		3		52	128	20
Anthracene	3100	0	2900	ug/Kg	94		6		62	124	20
Carbazole	3100	0	3000	ug/Kg	97		3		59	119	20
Di-n-butylphthalate	3100	0	3100	ug/Kg	100		3		55	125	20
Fluoranthene	3100	0	3100	ug/Kg	100		0		44	125	20
Pyrene	3100	0	2700	ug/Kg	87		8		37	122	20
Butylbenzylphthalate	3100	0	3400	ug/Kg	110		3		44	135	20
3,3-Dichlorobenzidine	3100	0	1700	ug/Kg	55		0		15	112	20
Benzo(a)anthracene	3100	0	3000	ug/Kg	97		3		53	119	20
Chrysene	3100	0	2900	ug/Kg	94		6		57	121	20
bis(2-Ethylhexyl)phthalate	3100	0	3400	ug/Kg	110		0		42	169	20
Di-n-octyl phthalate	3100	0	3300	ug/Kg	106		6		51	156	20
Benzo(b)fluoranthene	3100	0	3000	ug/Kg	97		3		52	117	20
Benzo(k)fluoranthene	3100	0	3000	ug/Kg	97		6		57	134	20
Benzo(a)pyrene	3100	0	3100	ug/Kg	100		3		70	142	20
Indeno(1,2,3-cd)pyrene	3100	0	3000	ug/Kg	97		3		40	129	20
Dibenz(a,h)anthracene	3100	0	3000	ug/Kg	97		6		43	123	20
Benzo(g,h,i)perylene	3100	0	3000	ug/Kg	97		3		24	125	20
1,2,4,5-Tetrachlorobenzene	3100	0	3400	ug/Kg	110		3		52	134	20
1,4-Dioxane	3100	0	2300	ug/Kg	74		9		46	112	20
2,3,4,6-Tetrachlorophenol	3100	0	3600	ug/Kg	116		6		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3419</u>	Analytical Method:	<u>8270E</u>
Client:	<u>AECOM</u>	DataFile:	<u>BG064622.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170215BS	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1100	ug/Kg	65				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	790	ug/Kg	46				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4100	ug/Kg	124				45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	
	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q3419</u>	Analytical Method: <u>8270E</u>
Client: <u>AECOM</u>	DataFile: <u>BG064622.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170215BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98		
	Atrazine	1700	1600	ug/Kg	94				47	152		
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105		
	Phenanthrene	1700	1500	ug/Kg	88				59	103		
	Anthracene	1700	1500	ug/Kg	88				61	105		
	Carbazole	1700	1500	ug/Kg	88				61	99		
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104		
	Fluoranthene	1700	1500	ug/Kg	88				57	107		
	Pyrene	1700	1400	ug/Kg	82				59	103		
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103		
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91		
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102		
	Chrysene	1700	1500	ug/Kg	88				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135		
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137		
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112		
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101		
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170215BL

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab File ID: BG064621.D

Lab Sample ID: PB170215BL

Instrument ID: BNA_G

Date Extracted: 10/23/2025

Matrix: (soil/water) SOIL

Date Analyzed: 10/29/2025

Level: (low/med) LOW

Time Analyzed: 13:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170215BS	PB170215BS	BG064622.D	10/29/2025
PR-132-S16-015094-20251021	Q3419-01	BG064626.D	10/29/2025
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025
PR132-S16-119133-20251021	Q3419-04	BF144126.D	10/29/2025
PR132-S16-094119-20251021	Q3419-05	BG064606.D	10/28/2025

COMMENTS: _____



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144055.D
Instrument ID: BNA_F

Contract: AEC002
SDG NO.: Q3419
DFTPP Injection Date: 10/24/2025
DFTPP Injection Time: 09:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	89.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF144056.D	10/24/2025	10:13
SSTDICC005	SSTDICC005	BF144057.D	10/24/2025	10:42
SSTDICC010	SSTDICC010	BF144058.D	10/24/2025	11:39
SSTDICC020	SSTDICC020	BF144059.D	10/24/2025	12:36
SSTDICCC040	SSTDICCC040	BF144060.D	10/24/2025	13:05
SSTDICC050	SSTDICC050	BF144061.D	10/24/2025	13:34
SSTDICC080	SSTDICC080	BF144063.D	10/24/2025	14:32
SSTDICC060	SSTDICC060	BF144064.D	10/24/2025	16:24



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144120.D
Instrument ID: BNA_F

Contract: AECO02
SDG NO.: Q3419
DFTPP Injection Date: 10/29/2025
DFTPP Injection Time: 11:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	84.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18 (18) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144121.D	10/29/2025	11:30
PR132-S16-119133-20251021	Q3419-04	BF144126.D	10/29/2025	14:03



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064568.D
Instrument ID: BNA_G

Contract: AEC002
SDG NO.: Q3419
DFTPP Injection Date: 10/24/2025
DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	86.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064569.D	10/24/2025	09:00
SSTDICC005	SSTDICC005	BG064570.D	10/24/2025	09:41
SSTDICC010	SSTDICC010	BG064571.D	10/24/2025	11:02
SSTDICC020	SSTDICC020	BG064572.D	10/24/2025	12:23
SSTDICCC040	SSTDICCC040	BG064573.D	10/24/2025	13:03
SSTDICC060	SSTDICC060	BG064574.D	10/24/2025	13:44
SSTDICC080	SSTDICC080	BG064575.D	10/24/2025	14:24
SSTDICC050	SSTDICC050	BG064576.D	10/24/2025	15:32



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064599.D
Instrument ID: BNA_G

Contract: AECO02
SDG NO.: Q3419
DFTPP Injection Date: 10/28/2025
DFTPP Injection Time: 13:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.5
365	Greater than 1% of mass 198	5.5
441	Present, but less than mass 443	80.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (20.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064600.D	10/28/2025	13:45
PR132-S16-094119-20251021	Q3419-05	BG064606.D	10/28/2025	17:54



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064617.D
Instrument ID: BNA_G

Contract: AECO02
SDG NO.: Q3419
DFTPP Injection Date: 10/29/2025
DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.3
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	91.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064618.D	10/29/2025	11:22
PB170215BL	PB170215BL	BG064621.D	10/29/2025	13:25
PB170215BS	PB170215BS	BG064622.D	10/29/2025	14:06
PR-132-S16-015094-20251021	Q3419-01	BG064626.D	10/29/2025	16:53
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025	17:34
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025	18:15

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3419

Client ID : SSTDCCC040

Date Analyzed: 10/29/2025

Lab File ID: BF144121.D

Time Analyzed: 11:30

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	61447	6.881	232371	8.16	124035	9.92
UPPER LIMIT	122894	7.381	464742	8.663	248070	10.416
LOWER LIMIT	30723.5	6.381	116186	7.663	62017.5	9.416
EPA SAMPLE NO.						
01 PR132-S16-119133-20251021	62325	6.88	236347	8.16	128098	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3419

Client ID: SSTDCCC040

Date Analyzed: 10/29/2025

Lab File ID: BF144121.D

Time Analyzed: 11:30

Instrument ID: BNA_F

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	207074	11.41	153131	14.057	204043	15.539
UPPER LIMIT	414148	11.91	306262	14.557	408086	16.039
LOWER LIMIT	103537	10.91	76565.5	13.557	102022	15.039
EPA SAMPLE NO.						
01 PR132-S16-119133-20251021	203077	11.40	156913	14.06	200959	15.54

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3419

Client ID : SSTDCCC040

Date Analyzed: 10/28/2025

Lab File ID: BG064600.D

Time Analyzed: 13:45

Instrument ID: BNA_G

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	28654	8.219	112694	11.05	87446	14.84
UPPER LIMIT	57308	8.719	225388	11.545	174892	15.341
LOWER LIMIT	14327	7.719	56347	10.545	43723	14.341
EPA SAMPLE NO.						
01 PR132-S16-094119-20251021	35915	8.22	132339	11.04	98576	14.84

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3419

Client ID: SSTDCCC040

Date Analyzed: 10/28/2025

Lab File ID: BG064600.D

Time Analyzed: 13:45

Instrument ID: BNA_G

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	216707	17.573	273944	21.85	304830	25.187
UPPER LIMIT	433414	18.073	547888	22.35	609660	25.687
LOWER LIMIT	108354	17.073	136972	21.35	152415	24.687
EPA SAMPLE NO.						
01 PR132-S16-094119-20251021	222776	17.58	285835	21.85	312112	25.19

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3419

Client ID : SSTDCCC040

Date Analyzed: 10/29/2025

Lab File ID: BG064618.D

Time Analyzed: 11:22

Instrument ID: BNA_G

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	36613	8.223	148961	11.04	108882	14.84
UPPER LIMIT	73226	8.723	297922	11.543	217764	15.339
LOWER LIMIT	18306.5	7.723	74480.5	10.543	54441	14.339
EPA SAMPLE NO.						
01 PB170215BL	33974	8.22	131027	11.04	98338	14.84
02 PB170215BS	30857	8.22	126314	11.04	102616	14.84
03 PR-132-S16-015094-20251021	33527	8.22	125721	11.04	94531	14.84
04 PR-132-S16-015094-20251021MS	30488	8.22	121320	11.04	93614	14.84
05 PR-132-S16-015094-20251021MSD	31803	8.21	124534	11.04	94989	14.84

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3419

Client ID: SSTDCCC040

Date Analyzed: 10/29/2025

Lab File ID: BG064618.D

Time Analyzed: 11:22

Instrument ID: BNA_G

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	241683	17.577	261016	21.854	298207	25.197
UPPER LIMIT	483366	18.077	522032	22.354	596414	25.697
LOWER LIMIT	120842	17.077	130508	21.354	149104	24.697
EPA SAMPLE NO.						
01 PB170215BL	248117	17.58	318243	21.85	369003	25.19
02 PB170215BS	252758	17.58	286271	21.85	311364	25.19
03 PR-132-S16-015094-20251021	232719	17.58	307543	21.85	344921	25.19
04 PR-132-S16-015094-20251021	229619	17.58	271892	21.85	296767	25.19
05 PR-132-S16-015094-20251021	230638	17.58	282250	21.85	308600	25.19

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

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Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR-132-S16-015094-20251021
 Lab Sample ID: Q3419-01
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
 Date Received: 10/21/25
 SDG No.: Q3419
 Matrix: SOIL
 % Solid: 54.4
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	610	U	1	290	610	ug/Kg	10/29/25 16:53	PB170215
108-95-2	Phenol	310	U	1	40.5	310	ug/Kg	10/29/25 16:53	PB170215
111-44-4	bis(2-Chloroethyl)ether	310	U	1	44.6	310	ug/Kg	10/29/25 16:53	PB170215
95-57-8	2-Chlorophenol	310	U	1	44.8	310	ug/Kg	10/29/25 16:53	PB170215
95-48-7	2-Methylphenol	310	U	1	54.9	310	ug/Kg	10/29/25 16:53	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	68.8	310	ug/Kg	10/29/25 16:53	PB170215
98-86-2	Acetophenone	310	U	1	54.1	310	ug/Kg	10/29/25 16:53	PB170215
65794-96-9	3+4-Methylphenols	610	U	1	75.4	610	ug/Kg	10/29/25 16:53	PB170215
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	87.0	150	ug/Kg	10/29/25 16:53	PB170215
67-72-1	Hexachloroethane	310	U	1	32.3	310	ug/Kg	10/29/25 16:53	PB170215
98-95-3	Nitrobenzene	310	U	1	33.6	310	ug/Kg	10/29/25 16:53	PB170215
78-59-1	Isophorone	310	U	1	60.2	310	ug/Kg	10/29/25 16:53	PB170215
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/29/25 16:53	PB170215
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/29/25 16:53	PB170215
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	56.5	310	ug/Kg	10/29/25 16:53	PB170215
120-83-2	2,4-Dichlorophenol	310	U	1	51.9	310	ug/Kg	10/29/25 16:53	PB170215
91-20-3	Naphthalene	310	U	1	41.6	310	ug/Kg	10/29/25 16:53	PB170215
106-47-8	4-Chloroaniline	310	U	1	64.9	310	ug/Kg	10/29/25 16:53	PB170215
87-68-3	Hexachlorobutadiene	310	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
105-60-2	Caprolactam	610	U	1	95.6	610	ug/Kg	10/29/25 16:53	PB170215
59-50-7	4-Chloro-3-methylphenol	310	U	1	52.7	310	ug/Kg	10/29/25 16:53	PB170215
91-57-6	2-Methylnaphthalene	310	U	1	47.0	310	ug/Kg	10/29/25 16:53	PB170215
77-47-4	Hexachlorocyclopentadiene	610	U	1	210	610	ug/Kg	10/29/25 16:53	PB170215
88-06-2	2,4,6-Trichlorophenol	310	U	1	36.3	310	ug/Kg	10/29/25 16:53	PB170215
95-95-4	2,4,5-Trichlorophenol	310	U	1	53.4	310	ug/Kg	10/29/25 16:53	PB170215
92-52-4	1,1-Biphenyl	310	U	1	40.0	310	ug/Kg	10/29/25 16:53	PB170215
91-58-7	2-Chloronaphthalene	310	U	1	41.3	310	ug/Kg	10/29/25 16:53	PB170215
88-74-4	2-Nitroaniline	310	U	1	88.2	310	ug/Kg	10/29/25 16:53	PB170215
131-11-3	Dimethylphthalate	310	U	1	49.7	310	ug/Kg	10/29/25 16:53	PB170215
208-96-8	Acenaphthylene	310	U	1	53.0	310	ug/Kg	10/29/25 16:53	PB170215
606-20-2	2,6-Dinitrotoluene	310	U	1	61.6	310	ug/Kg	10/29/25 16:53	PB170215
99-09-2	3-Nitroaniline	310	U	1	84.4	310	ug/Kg	10/29/25 16:53	PB170215
83-32-9	Acenaphthene	310	U	1	39.1	310	ug/Kg	10/29/25 16:53	PB170215
51-28-5	2,4-Dinitrophenol	610	U	1	420	610	ug/Kg	10/29/25 16:53	PB170215
100-02-7	4-Nitrophenol	610	U	1	200	610	ug/Kg	10/29/25 16:53	PB170215
132-64-9	Dibenzofuran	310	U	1	41.6	310	ug/Kg	10/29/25 16:53	PB170215
121-14-2	2,4-Dinitrotoluene	310	U	1	91.9	310	ug/Kg	10/29/25 16:53	PB170215
84-66-2	Diethylphthalate	310	U	1	51.9	310	ug/Kg	10/29/25 16:53	PB170215
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	49.0	310	ug/Kg	10/29/25 16:53	PB170215
86-73-7	Fluorene	310	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/29/25 16:53	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	610	U	1	190	610	ug/Kg	10/29/25 16:53	PB170215

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR-132-S16-015094-20251021
 Lab Sample ID: Q3419-01
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
 Date Received: 10/21/25
 SDG No.: Q3419
 Matrix: SOIL
 % Solid: 54.4
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	60.4	310	ug/Kg	10/29/25 16:53	PB170215
101-55-3	4-Bromophenyl-phenylether	310	U	1	51.0	310	ug/Kg	10/29/25 16:53	PB170215
118-74-1	Hexachlorobenzene	310	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
1912-24-9	Atrazine	310	U	1	62.4	310	ug/Kg	10/29/25 16:53	PB170215
87-86-5	Pentachlorophenol	610	U	1	94.1	610	ug/Kg	10/29/25 16:53	PB170215
85-01-8	Phenanthrene	310	U	1	38.3	310	ug/Kg	10/29/25 16:53	PB170215
120-12-7	Anthracene	310	U	1	61.1	310	ug/Kg	10/29/25 16:53	PB170215
86-74-8	Carbazole	310	U	1	57.2	310	ug/Kg	10/29/25 16:53	PB170215
84-74-2	Di-n-butylphthalate	310	U	1	87.9	310	ug/Kg	10/29/25 16:53	PB170215
206-44-0	Fluoranthene	310	U	1	55.0	310	ug/Kg	10/29/25 16:53	PB170215
129-00-0	Pyrene	310	U	1	66.0	310	ug/Kg	10/29/25 16:53	PB170215
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/29/25 16:53	PB170215
91-94-1	3,3-Dichlorobenzidine	610	U	1	67.3	610	ug/Kg	10/29/25 16:53	PB170215
56-55-3	Benzo(a)anthracene	310	U	1	42.2	310	ug/Kg	10/29/25 16:53	PB170215
218-01-9	Chrysene	310	U	1	36.5	310	ug/Kg	10/29/25 16:53	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/29/25 16:53	PB170215
117-84-0	Di-n-octyl phthalate	610	U	1	160	610	ug/Kg	10/29/25 16:53	PB170215
205-99-2	Benzo(b)fluoranthene	310	U	1	34.9	310	ug/Kg	10/29/25 16:53	PB170215
207-08-9	Benzo(k)fluoranthene	310	U	1	41.1	310	ug/Kg	10/29/25 16:53	PB170215
50-32-8	Benzo(a)pyrene	310	U	1	54.1	310	ug/Kg	10/29/25 16:53	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	53.4	310	ug/Kg	10/29/25 16:53	PB170215
53-70-3	Dibenzo(a,h)anthracene	310	U	1	50.3	310	ug/Kg	10/29/25 16:53	PB170215
191-24-2	Benzo(g,h,i)perylene	310	U	1	47.1	310	ug/Kg	10/29/25 16:53	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	47.0	310	ug/Kg	10/29/25 16:53	PB170215
123-91-1	1,4-Dioxane	310	U	1	82.9	310	ug/Kg	10/29/25 16:53	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	50.3	310	ug/Kg	10/29/25 16:53	PB170215

SURROGATES

367-12-4	2-Fluorophenol	91.2		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	88.1		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.0		18 - 107	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.0		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		10 - 116	77%	SPK: 150
1718-51-0	Terphenyl-d14	55.0		10 - 105	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	33500
1146-65-2	Naphthalene-d8	126000
15067-26-2	Acenaphthene-d10	94500
1517-22-2	Phenanthrene-d10	233000
1719-03-5	Chrysene-d12	308000
1520-96-3	Perylene-d12	345000

TENTATIVE IDENTIFIED COMPOUNDS

000110-82-7	Cyclohexane	370	J	3.20	ug/Kg
000119-61-9	Benzophenone	350	J	16.2	ug/Kg

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	54.4
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	670	J			18.5	ug/Kg		
1000131-11-8	Z-5-Nonadecene	210	J			21.5	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064626.D
Acq On : 29 Oct 2025 16:53
Operator : RC/JU
Sample : Q3419-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

Quant Time: Oct 30 04:56:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	33527	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	125721	20.000	ng	0.00
39) Acenaphthene-d10	14.838	164	94531	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	232719	20.000	ng	0.00
76) Chrysene-d12	21.848	240	307543	20.000	ng	#-0.02
86) Perylene-d12	25.191	264	344921	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	182256	91.245	ng	0.00
7) Phenol-d6	7.353	99	241505	88.111	ng	0.00
23) Nitrobenzene-d5	9.380	82	154857	73.982	ng	-0.01
42) 2,4,6-Tribromophenol	16.313	330	157922	115.747	ng	-0.01
45) 2-Fluorobiphenyl	13.469	172	355630	57.023	ng	0.00
79) Terphenyl-d14	20.167	244	896538	55.014	ng	0.00

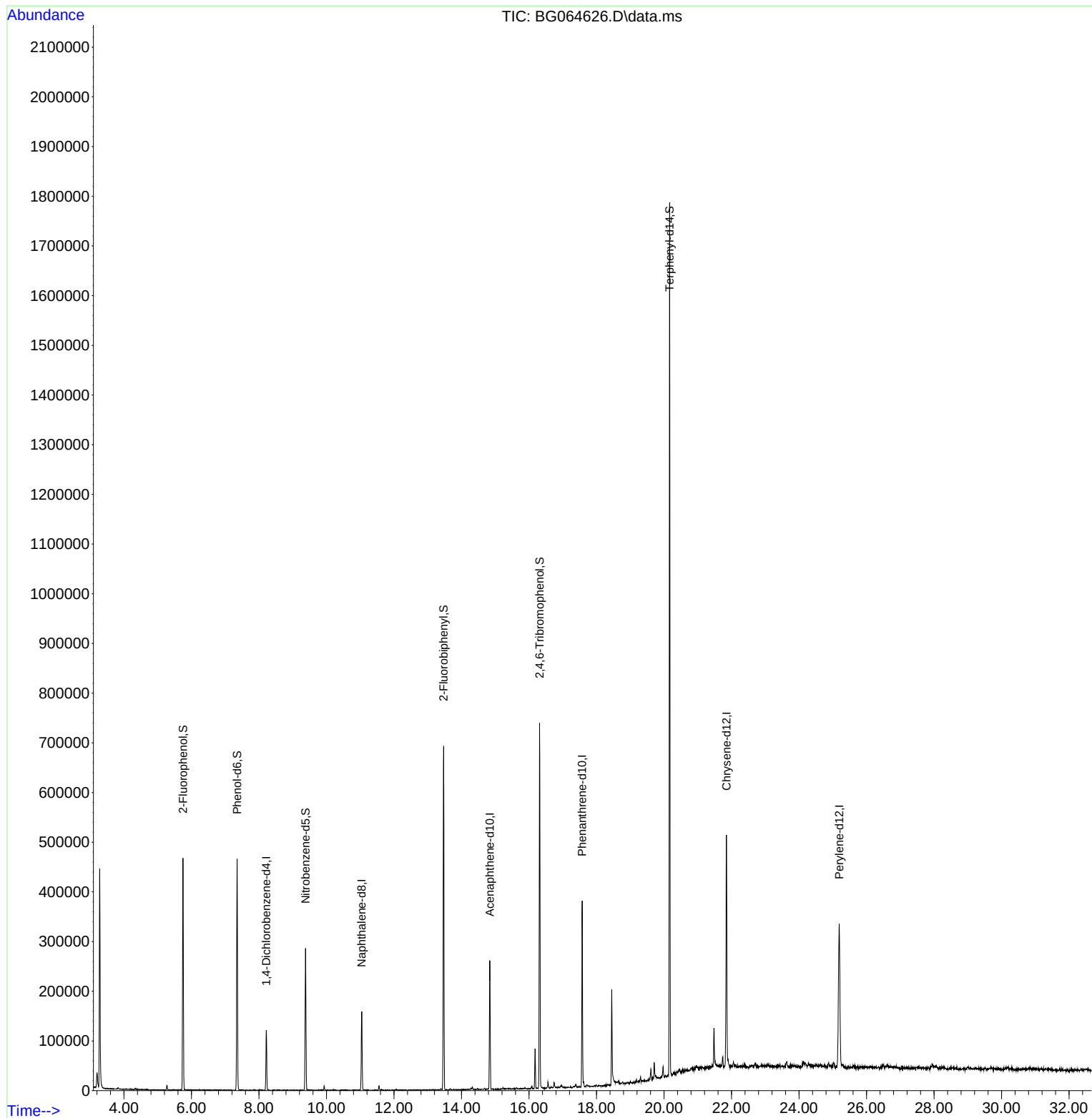
Target Compounds	Qvalue

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

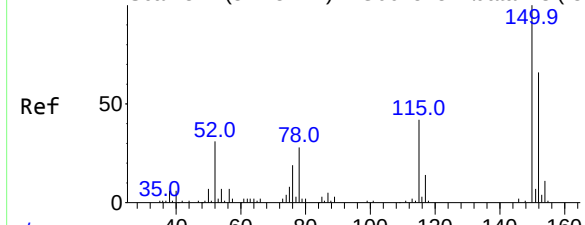
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064626.D
Acq On : 29 Oct 2025 16:53
Operator : RC/JU
Sample : Q3419-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

Quant Time: Oct 30 04:56:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86

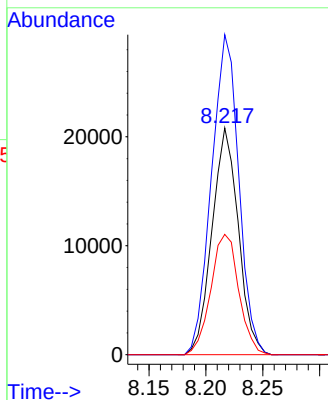
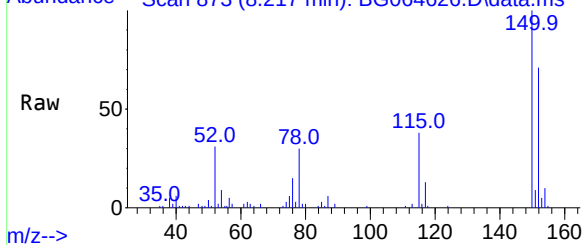


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

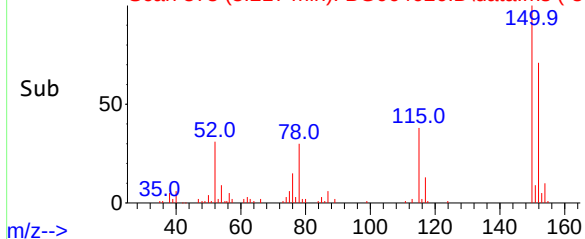
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

Tgt Ion:152 Resp: 33527
Ion Ratio Lower Upper
152 100
150 141.1 122.2 183.4
115 53.1 50.8 76.2

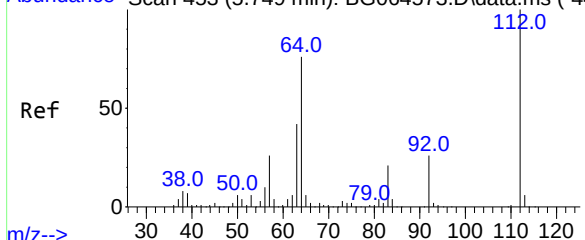
Abundance Scan 873 (8.217 min): BG064626.D\data.ms



Abundance Scan 873 (8.217 min): BG064626.D\data.ms (-85



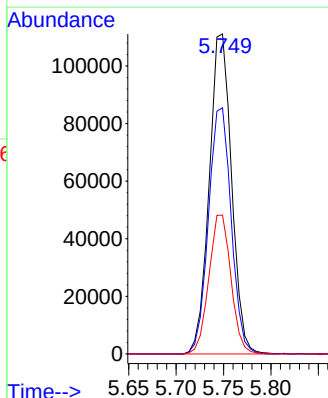
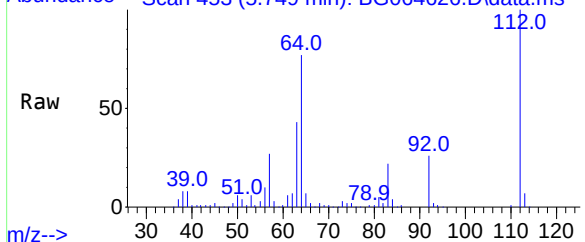
Abundance Scan 453 (5.749 min): BG064573.D\data.ms (-44



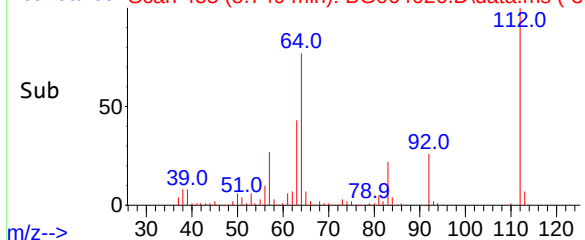
#5
2-Fluorophenol
Concen: 91.245 ng
RT: 5.749 min Scan# 453
Delta R.T. 0.002 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

Tgt Ion:112 Resp: 182256
Ion Ratio Lower Upper
112 100
64 77.0 60.7 91.1
63 43.4 33.4 50.0

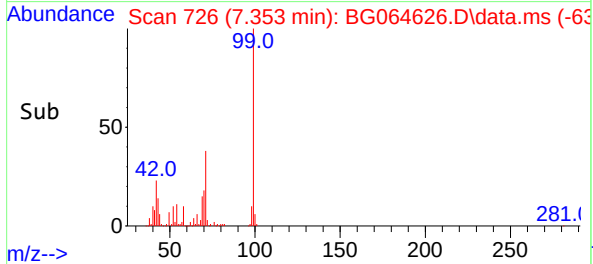
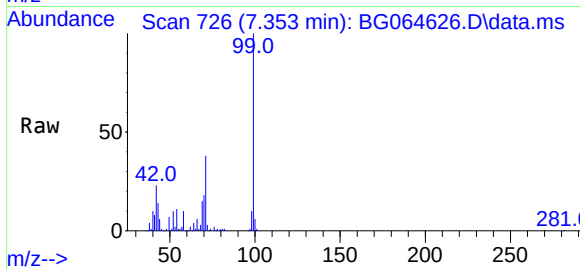
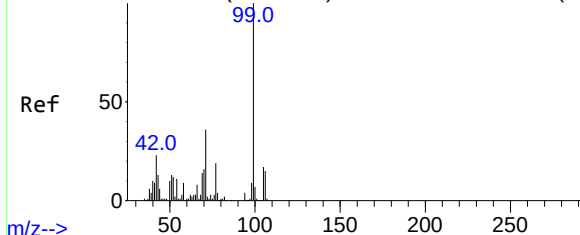
Abundance Scan 453 (5.749 min): BG064626.D\data.ms



Abundance Scan 453 (5.749 min): BG064626.D\data.ms (-36



Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



#7

Phenol-d6

Concen: 88.111 ng

RT: 7.353 min Scan# 71

Delta R.T. -0.004 min

Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

Instrument :

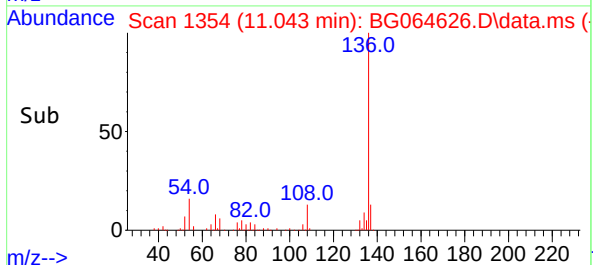
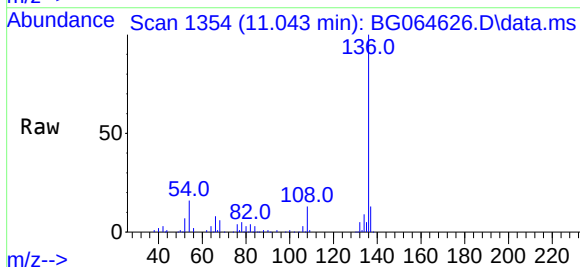
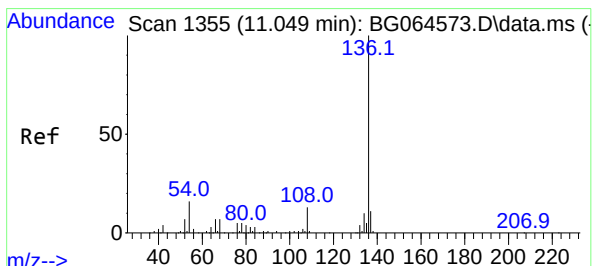
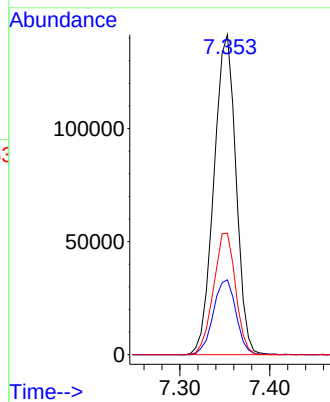
BNA_G

ClientSampleId :

PR-132-S16-015094-20251021

Tgt Ion: 99 Resp: 241505

Ion	Ratio	Lower	Upper
99	100		
42	23.4	18.3	27.5
71	38.0	28.6	43.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.043 min Scan# 1354

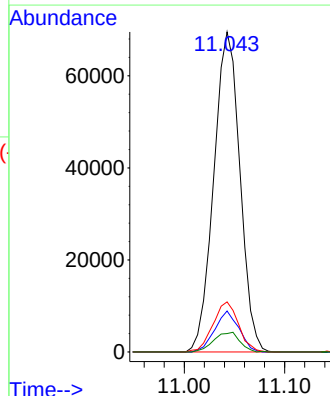
Delta R.T. -0.010 min

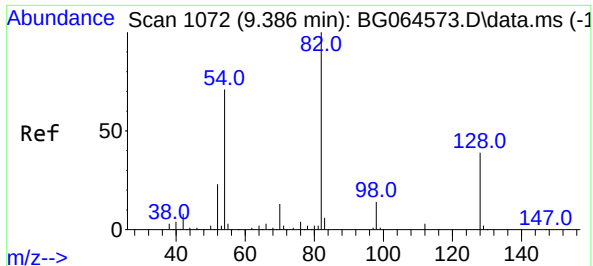
Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

Tgt Ion: 136 Resp: 125721

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.2	13.8
54	15.6	12.6	19.0
68	5.8	5.7	8.5





#23

Nitrobenzene-d5

Concen: 73.982 ng

RT: 9.380 min Scan# 10

Delta R.T. -0.010 min

Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021

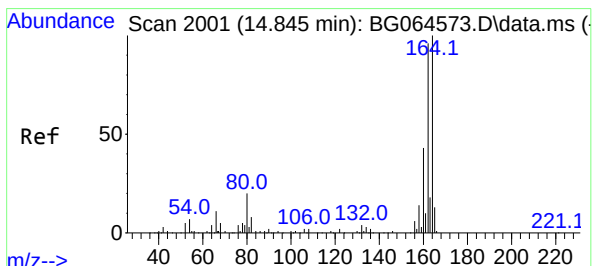
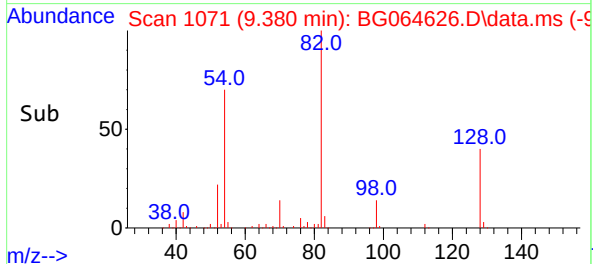
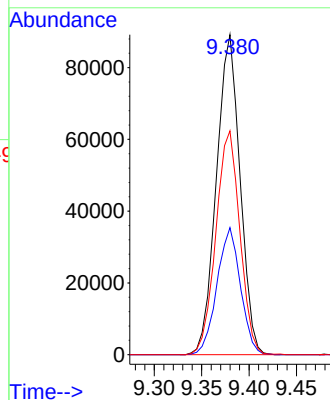
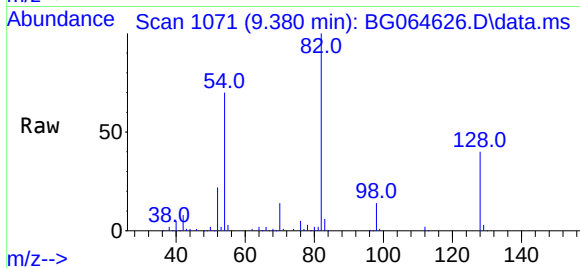
Tgt Ion: 82 Resp: 154857

Ion Ratio Lower Upper

82 100

128 39.7 31.3 46.9

54 70.0 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.838 min Scan# 2000

Delta R.T. -0.004 min

Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

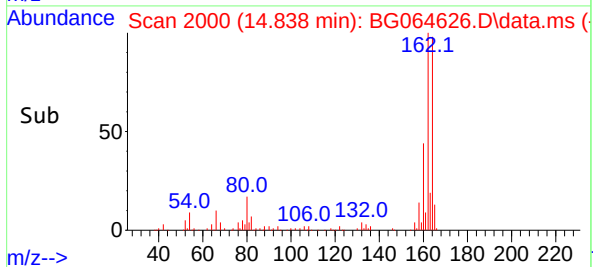
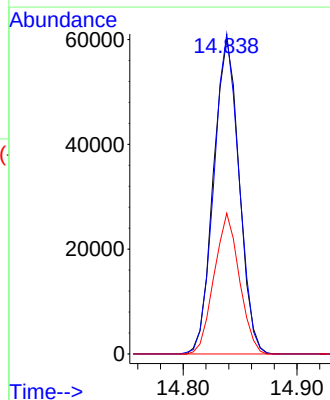
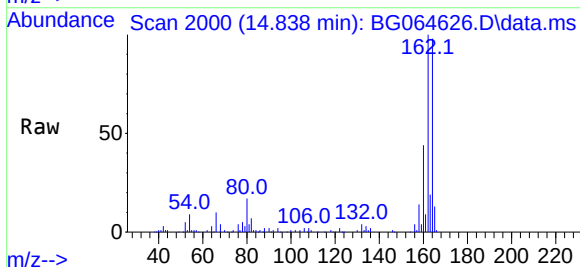
Tgt Ion: 164 Resp: 94531

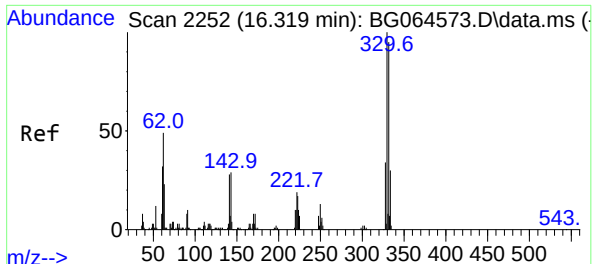
Ion Ratio Lower Upper

164 100

162 101.5 77.0 115.6

160 44.6 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 115.747 ng

RT: 16.313 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021

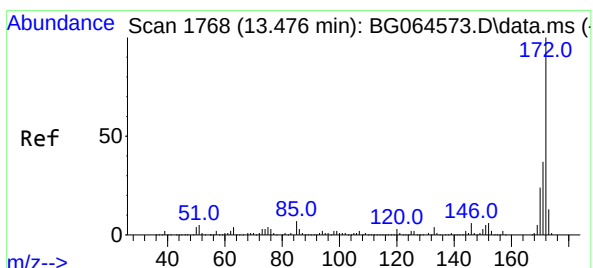
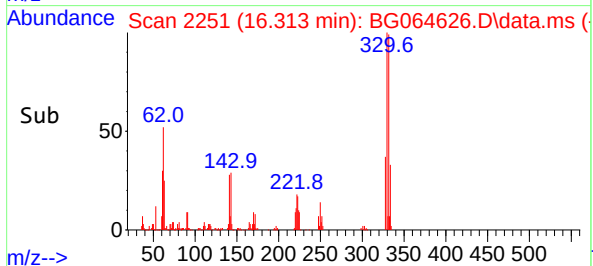
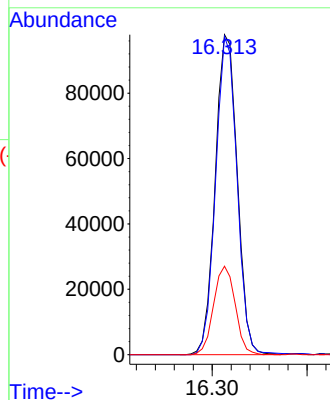
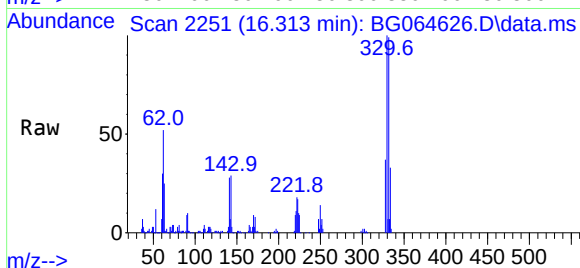
Tgt Ion:330 Resp: 157922

Ion Ratio Lower Upper

330 100

332 96.5 78.0 117.0

141 27.1 21.8 32.6



#45

2-Fluorobiphenyl

Concen: 57.023 ng

RT: 13.469 min Scan# 1767

Delta R.T. -0.010 min

Lab File: BG064626.D

Acq: 29 Oct 2025 16:53

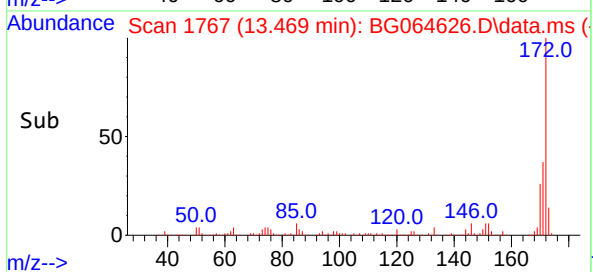
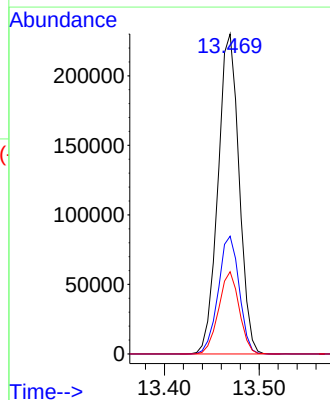
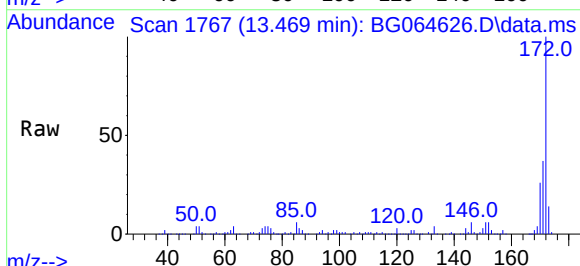
Tgt Ion:172 Resp: 355630

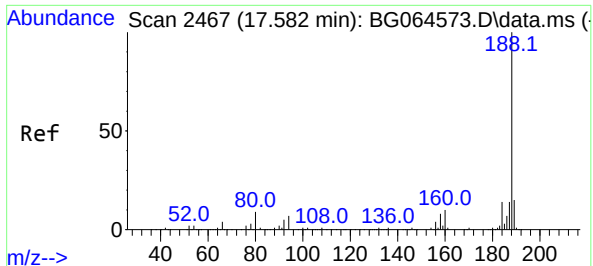
Ion Ratio Lower Upper

172 100

171 36.8 29.4 44.0

170 25.7 19.1 28.7

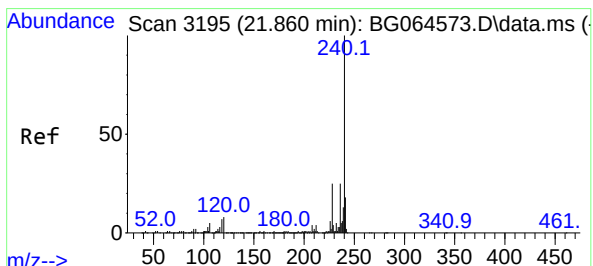
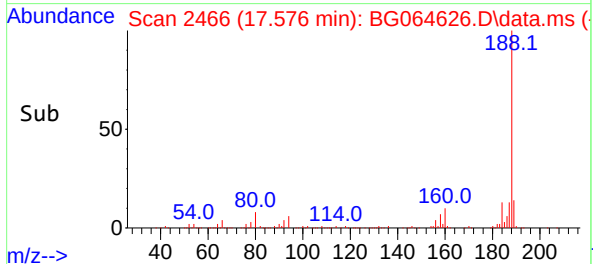
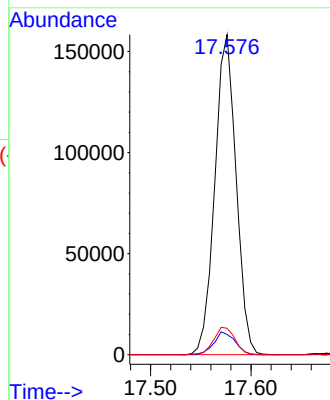
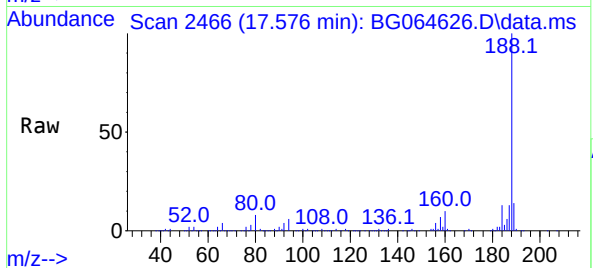




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2466
Delta R.T. -0.004 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

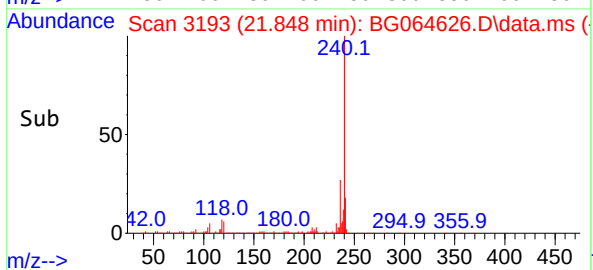
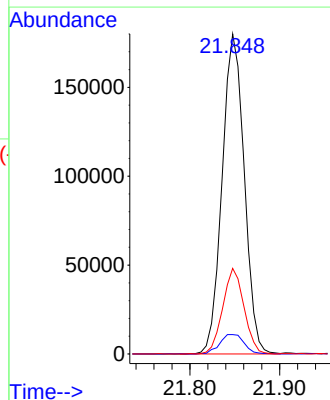
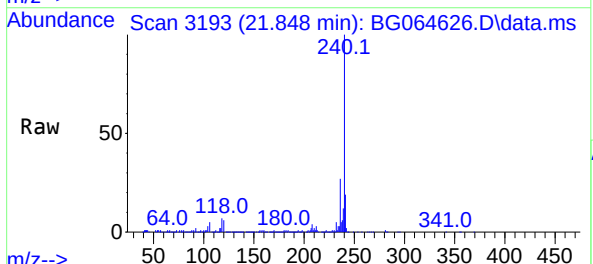
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

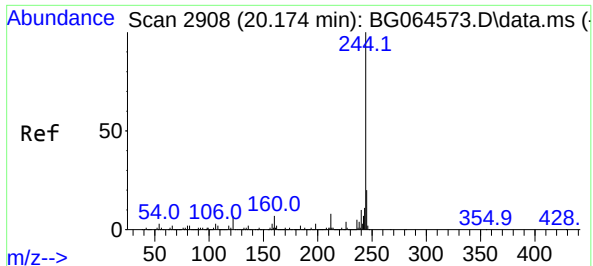
Tgt Ion:188 Resp: 232719
Ion Ratio Lower Upper
188 100
94 6.3 5.7 8.5
80 8.2 6.8 10.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.016 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

Tgt Ion:240 Resp: 307543
Ion Ratio Lower Upper
240 100
120 6.1 6.5 9.7#
236 26.7 20.2 30.2



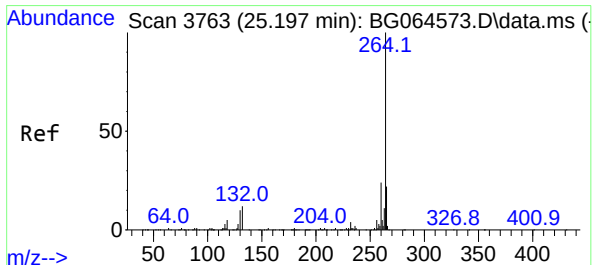
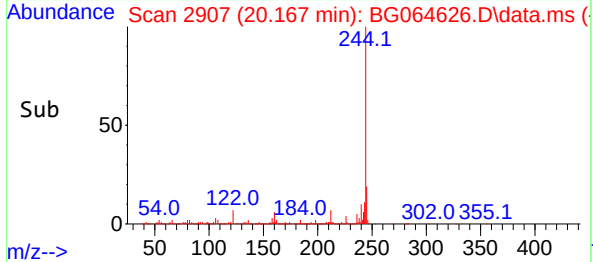
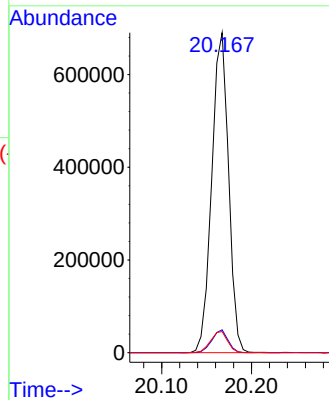
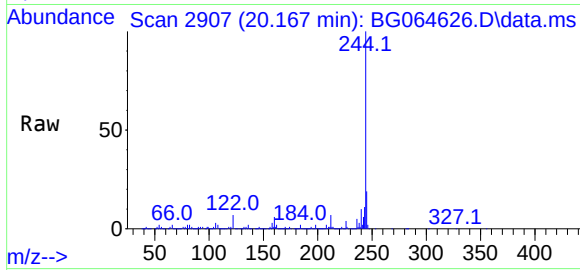


#79
Terphenyl-d14
Concen: 55.014 ng
RT: 20.167 min Scan# 2908
Delta R.T. -0.010 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

Tgt Ion:244 Resp: 896538

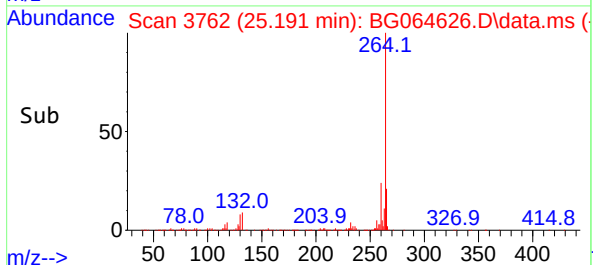
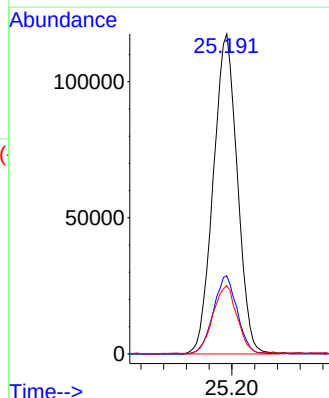
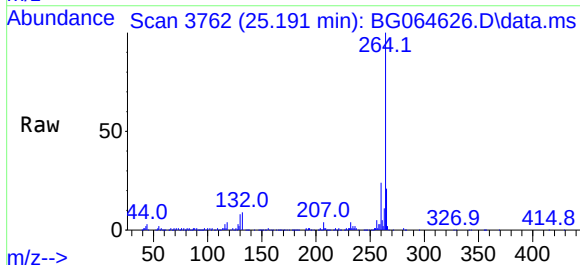
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.6	5.6	8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.191 min Scan# 3762
Delta R.T. -0.010 min
Lab File: BG064626.D
Acq: 29 Oct 2025 16:53

Tgt Ion:264 Resp: 344921

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	21.4	17.6	26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064626.D
Acq On : 29 Oct 2025 16:53
Operator : RC/JU
Sample : Q3419-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064626.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.199	13	19	27	rBV2	29228	60588	2.63%	0.540%
2	3.281	27	33	47	rVB	440735	708984	30.81%	6.321%
3	5.749	446	453	463	rBV	466846	766842	33.32%	6.837%
4	7.353	717	726	736	rBV	465507	805477	35.00%	7.181%
5	8.217	865	873	880	rBV	121142	202560	8.80%	1.806%
6	9.380	1061	1071	1079	rBV	285685	500079	21.73%	4.458%
7	11.043	1345	1354	1362	rBV	158787	289401	12.58%	2.580%
8	13.469	1760	1767	1775	rVB	692096	1062438	46.17%	9.472%
9	14.838	1992	2000	2007	rVB	259535	408517	17.75%	3.642%
10	16.178	2220	2228	2234	rBV	80789	117201	5.09%	1.045%
11	16.313	2244	2251	2261	rBV2	735309	1153073	50.11%	10.280%
12	17.576	2459	2466	2471	rBV	375535	572490	24.88%	5.104%
13	18.452	2610	2615	2629	rBV	192774	314577	13.67%	2.804%
14	19.609	2807	2812	2816	rVB	20763	33143	1.44%	0.295%
15	19.709	2825	2829	2834	rBV4	33492	54417	2.36%	0.485%
16	19.973	2870	2874	2880	rVB	21585	33712	1.46%	0.301%
17	20.167	2901	2907	2913	rBV	1756258	2301246	100.00%	20.516%
18	21.477	3125	3130	3140	rBV	78603	138871	6.03%	1.238%
19	21.742	3171	3175	3179	rVB4	22249	35690	1.55%	0.318%
20	21.848	3186	3193	3199	rBV	463335	805937	35.02%	7.185%
21	25.191	3751	3762	3772	rBV	286981	851632	37.01%	7.592%

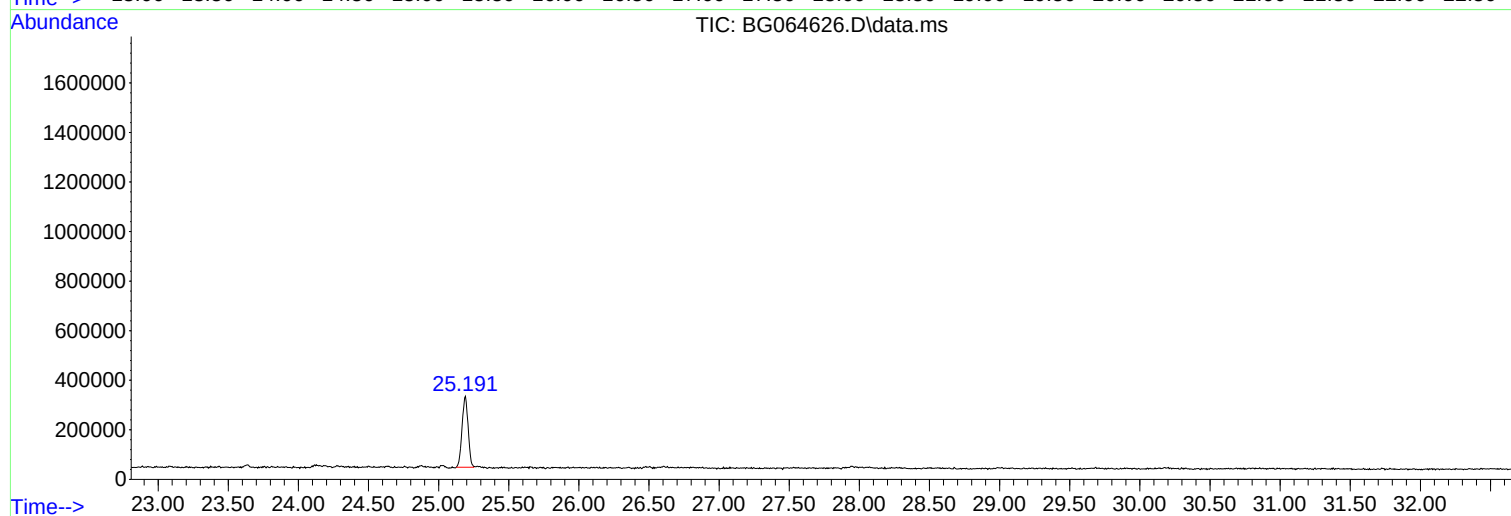
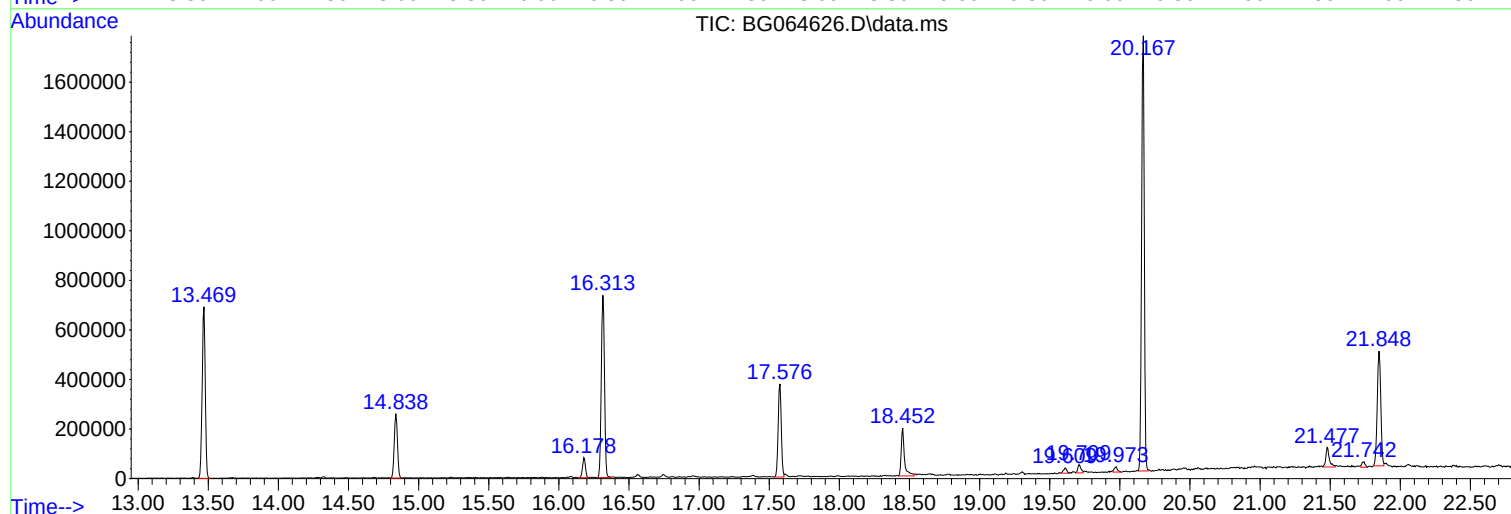
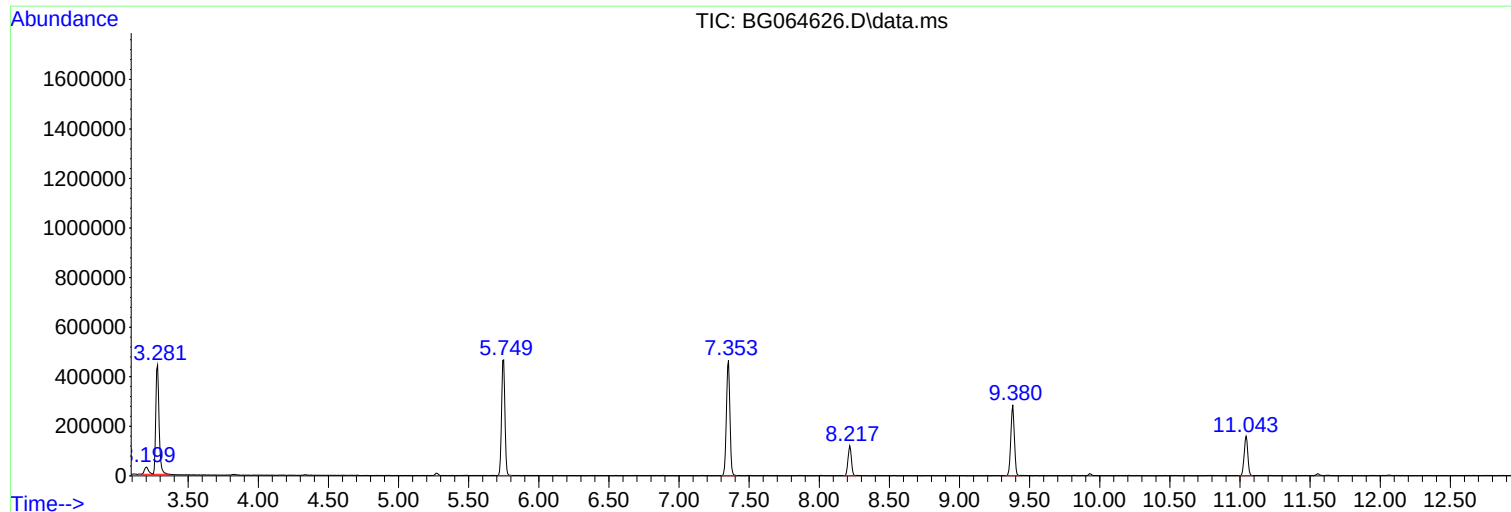
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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064626.D
Acq On : 29 Oct 2025 16:53
Operator : RC/JU
Sample : Q3419-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064626.D
Acq On : 29 Oct 2025 16:53
Operator : RC/JU
Sample : Q3419-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

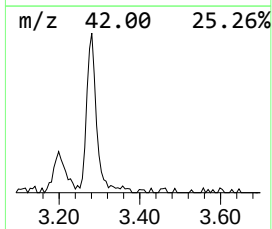
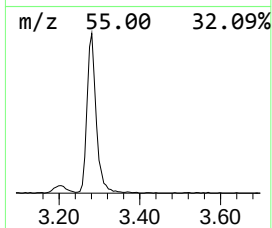
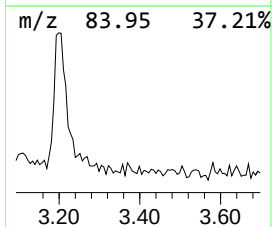
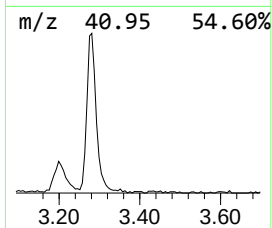
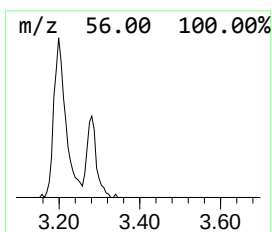
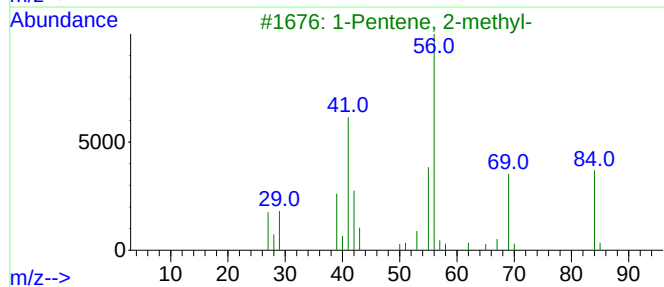
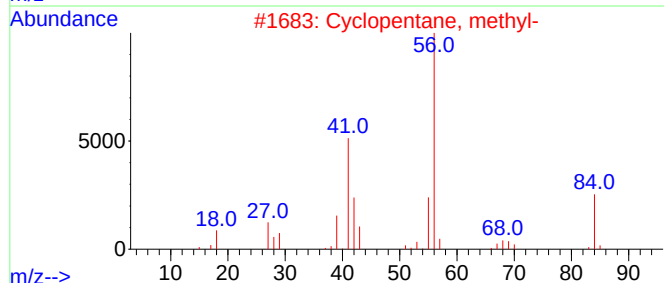
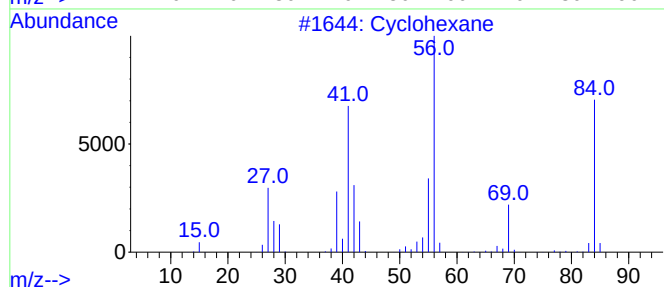
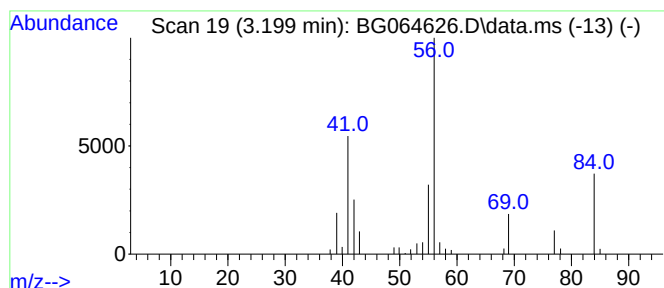
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclohexane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.199	5.98 ng	60588	1,4-Dichlorobenzene-d4	8.217

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane	84	C6H12	000110-82-7	87
2		Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
4		Cyclobutane, ethyl-	84	C6H12	004806-61-5	50
5		Cyclobutane	56	C4H8	000287-23-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064626.D
Acq On : 29 Oct 2025 16:53
Operator : RC/JU
Sample : Q3419-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

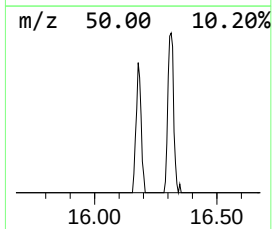
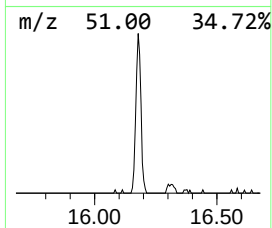
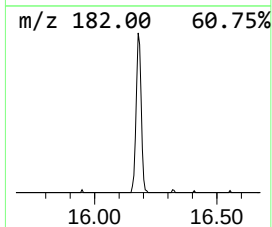
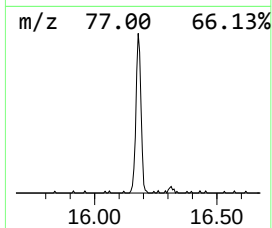
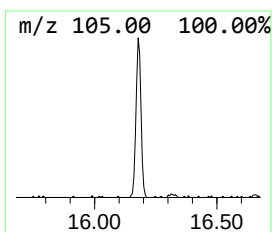
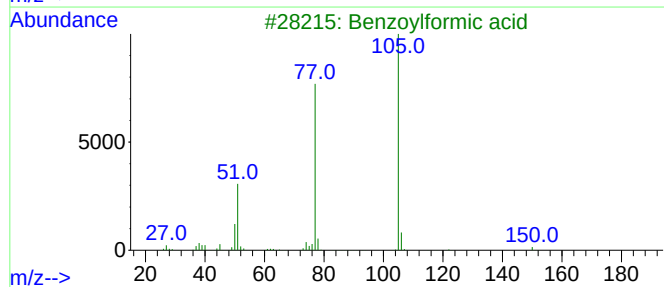
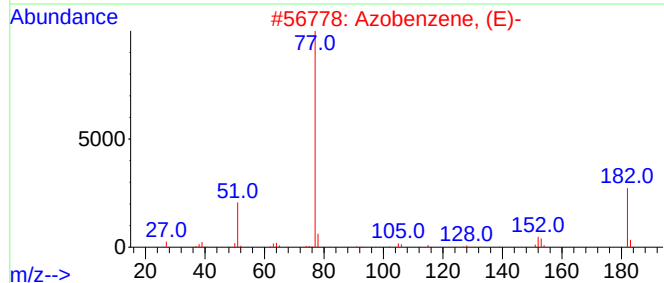
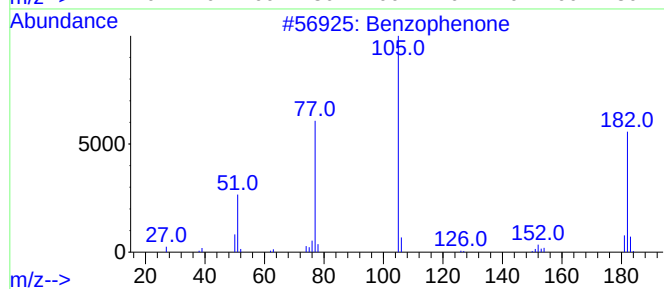
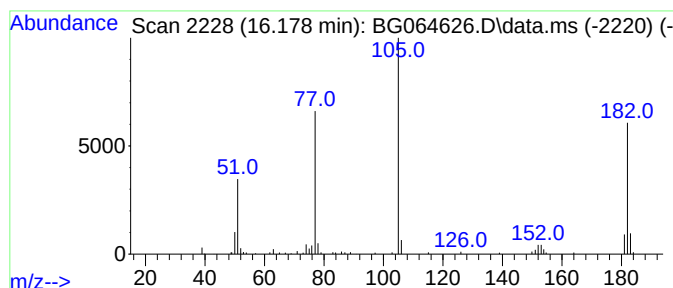
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.178	5.74 ng	117201	Acenaphthene-d10	14.838

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	94
2			Azobenzene, (E)-	182	C12H10N2	017082-12-1	59
3			Benzoylformic acid	150	C8H6O3	000611-73-4	55
4			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
5			Benzenecarbothioic acid, S-methy...	164	C9H8O3	015206-55-0	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064626.D
Acq On : 29 Oct 2025 16:53
Operator : RC/JU
Sample : Q3419-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

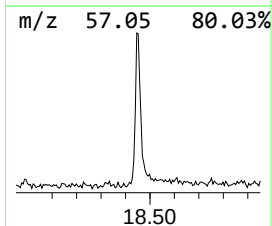
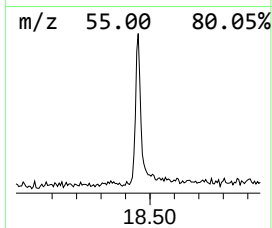
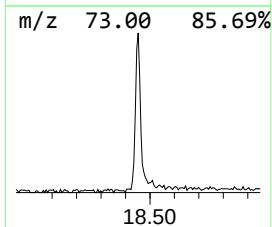
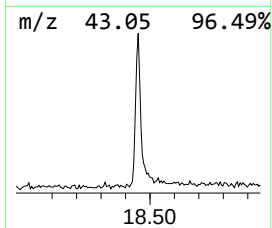
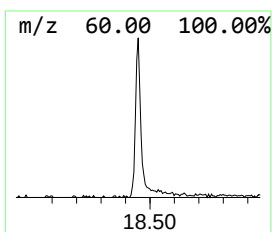
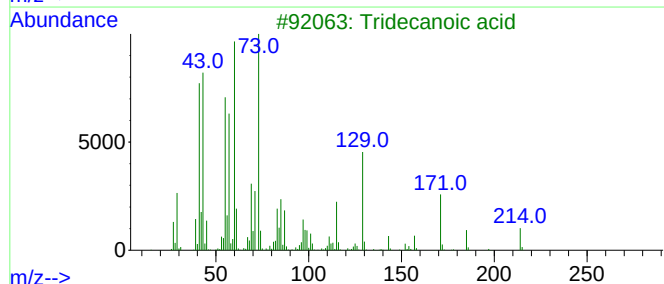
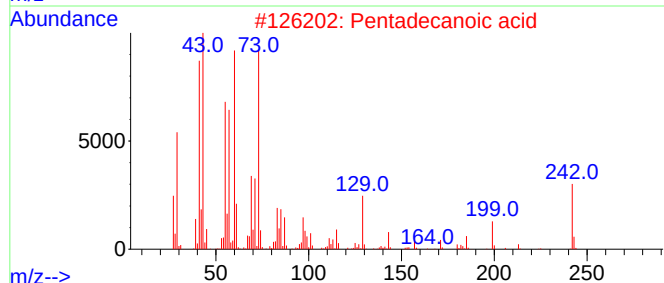
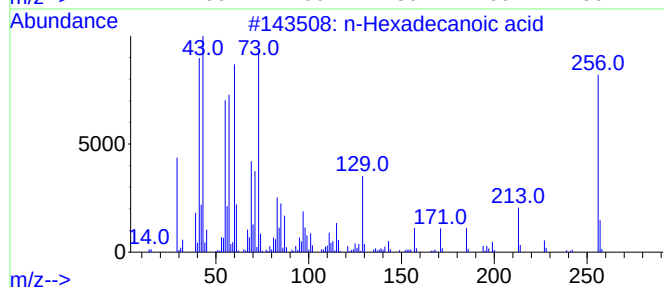
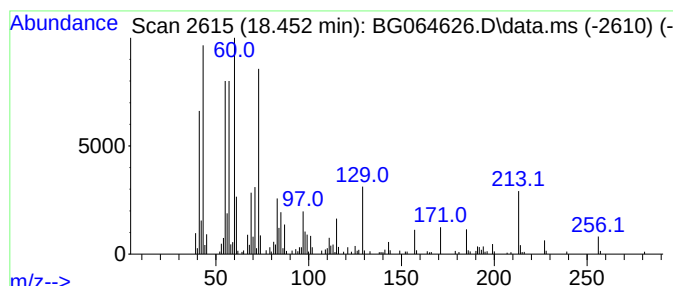
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.452	10.99 ng	314577	Phenanthrene-d10	17.576

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3			Tridecanoic acid	214	C13H26O2	000638-53-9	76
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	59
5			Undecanoic acid	186	C11H22O2	000112-37-8	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064626.D
Acq On : 29 Oct 2025 16:53
Operator : RC/JU
Sample : Q3419-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

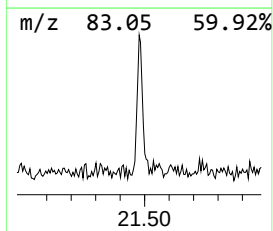
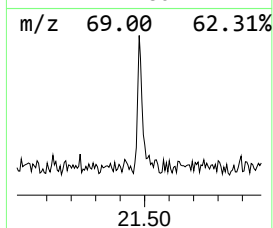
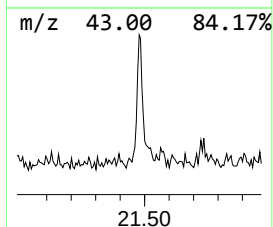
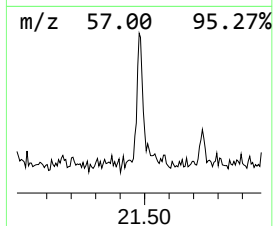
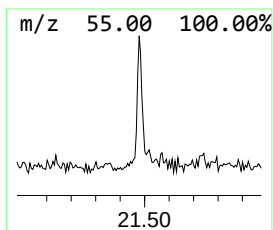
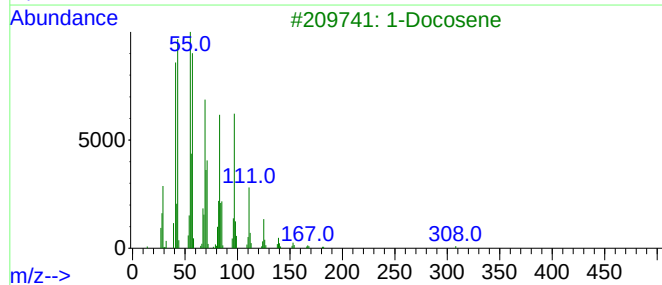
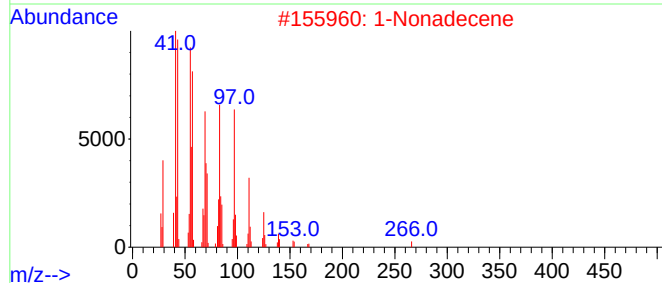
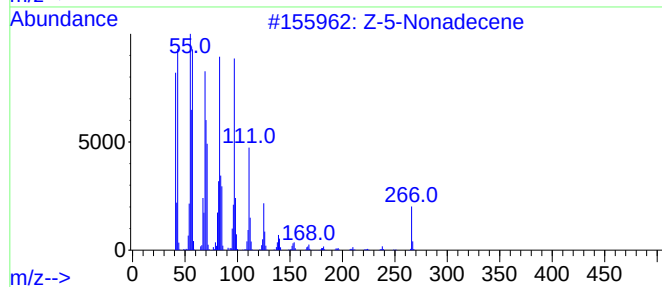
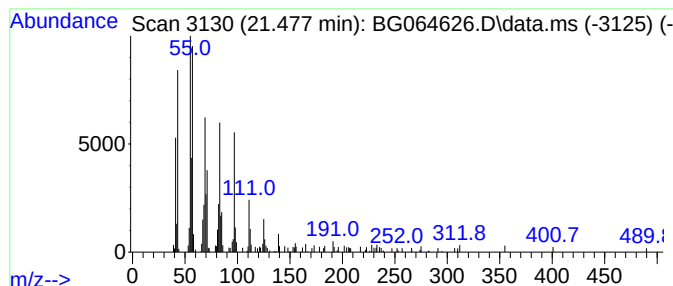
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Z-5-Nonadecene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.477	3.45 ng	138871	Chrysene-d12	21.848

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Z-5-Nonadecene	266	C19H38	1000131-11-8	94
2		1-Nonadecene	266	C19H38	018435-45-5	91
3		1-Docosene	308	C22H44	001599-67-3	91
4		1-Heneicosanol	312	C21H44O	015594-90-8	87
5		Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064626.D
Acq On : 29 Oct 2025 16:53
Operator : RC/JU
Sample : Q3419-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexane	3.199	6.0	ng	60588	1	8.217	202560	20.0
Benzophenone	16.178	5.7	ng	117201	3	14.838	408517	20.0
n-Hexadecanoic ...	18.452	11.0	ng	314577	4	17.576	572490	20.0
Z-5-Nonadecene	21.477	3.5	ng	138871	5	21.848	805937	20.0



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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S16-119133-20251021
Lab Sample ID: Q3419-04
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 51.7
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	640	U	1	300	640	ug/Kg	10/29/25 14:03	PB170215
108-95-2	Phenol	330	U	1	42.7	330	ug/Kg	10/29/25 14:03	PB170215
111-44-4	bis(2-Chloroethyl)ether	330	U	1	47.0	330	ug/Kg	10/29/25 14:03	PB170215
95-57-8	2-Chlorophenol	330	U	1	47.2	330	ug/Kg	10/29/25 14:03	PB170215
95-48-7	2-Methylphenol	330	U	1	57.8	330	ug/Kg	10/29/25 14:03	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.5	330	ug/Kg	10/29/25 14:03	PB170215
98-86-2	Acetophenone	330	U	1	57.0	330	ug/Kg	10/29/25 14:03	PB170215
65794-96-9	3+4-Methylphenols	640	U	1	79.5	640	ug/Kg	10/29/25 14:03	PB170215
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	91.7	150	ug/Kg	10/29/25 14:03	PB170215
67-72-1	Hexachloroethane	330	U	1	34.0	330	ug/Kg	10/29/25 14:03	PB170215
98-95-3	Nitrobenzene	330	U	1	35.4	330	ug/Kg	10/29/25 14:03	PB170215
78-59-1	Isophorone	330	U	1	63.4	330	ug/Kg	10/29/25 14:03	PB170215
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/29/25 14:03	PB170215
105-67-9	2,4-Dimethylphenol	330	U	1	130	330	ug/Kg	10/29/25 14:03	PB170215
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.6	330	ug/Kg	10/29/25 14:03	PB170215
120-83-2	2,4-Dichlorophenol	330	U	1	54.7	330	ug/Kg	10/29/25 14:03	PB170215
91-20-3	Naphthalene	330	U	1	43.9	330	ug/Kg	10/29/25 14:03	PB170215
106-47-8	4-Chloroaniline	330	U	1	68.4	330	ug/Kg	10/29/25 14:03	PB170215
87-68-3	Hexachlorobutadiene	330	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
105-60-2	Caprolactam	640	U	1	100	640	ug/Kg	10/29/25 14:03	PB170215
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.5	330	ug/Kg	10/29/25 14:03	PB170215
91-57-6	2-Methylnaphthalene	330	U	1	49.5	330	ug/Kg	10/29/25 14:03	PB170215
77-47-4	Hexachlorocyclopentadiene	640	U	1	220	640	ug/Kg	10/29/25 14:03	PB170215
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.3	330	ug/Kg	10/29/25 14:03	PB170215
95-95-4	2,4,5-Trichlorophenol	330	U	1	56.3	330	ug/Kg	10/29/25 14:03	PB170215
92-52-4	1,1-Biphenyl	330	U	1	42.2	330	ug/Kg	10/29/25 14:03	PB170215
91-58-7	2-Chloronaphthalene	330	U	1	43.5	330	ug/Kg	10/29/25 14:03	PB170215
88-74-4	2-Nitroaniline	330	U	1	93.0	330	ug/Kg	10/29/25 14:03	PB170215
131-11-3	Dimethylphthalate	330	U	1	52.4	330	ug/Kg	10/29/25 14:03	PB170215
208-96-8	Acenaphthylene	330	U	1	55.9	330	ug/Kg	10/29/25 14:03	PB170215
606-20-2	2,6-Dinitrotoluene	330	U	1	65.0	330	ug/Kg	10/29/25 14:03	PB170215
99-09-2	3-Nitroaniline	330	U	1	88.9	330	ug/Kg	10/29/25 14:03	PB170215
83-32-9	Acenaphthene	330	U	1	41.2	330	ug/Kg	10/29/25 14:03	PB170215
51-28-5	2,4-Dinitrophenol	640	U	1	440	640	ug/Kg	10/29/25 14:03	PB170215
100-02-7	4-Nitrophenol	640	U	1	210	640	ug/Kg	10/29/25 14:03	PB170215
132-64-9	Dibenzofuran	330	U	1	43.9	330	ug/Kg	10/29/25 14:03	PB170215
121-14-2	2,4-Dinitrotoluene	330	U	1	96.9	330	ug/Kg	10/29/25 14:03	PB170215
84-66-2	Diethylphthalate	330	U	1	54.7	330	ug/Kg	10/29/25 14:03	PB170215
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.6	330	ug/Kg	10/29/25 14:03	PB170215
86-73-7	Fluorene	330	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/29/25 14:03	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	640	U	1	200	640	ug/Kg	10/29/25 14:03	PB170215

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S16-119133-20251021
 Lab Sample ID: Q3419-04
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
 Date Received: 10/21/25
 SDG No.: Q3419
 Matrix: SOIL
 % Solid: 51.7
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	330	U	1	63.6	330	ug/Kg	10/29/25 14:03	PB170215
101-55-3	4-Bromophenyl-phenylether	330	U	1	53.8	330	ug/Kg	10/29/25 14:03	PB170215
118-74-1	Hexachlorobenzene	330	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
1912-24-9	Atrazine	330	U	1	65.7	330	ug/Kg	10/29/25 14:03	PB170215
87-86-5	Pentachlorophenol	640	U	1	99.2	640	ug/Kg	10/29/25 14:03	PB170215
85-01-8	Phenanthrene	420		1	40.4	330	ug/Kg	10/29/25 14:03	PB170215
120-12-7	Anthracene	180	J	1	64.4	330	ug/Kg	10/29/25 14:03	PB170215
86-74-8	Carbazole	330	U	1	60.3	330	ug/Kg	10/29/25 14:03	PB170215
84-74-2	Di-n-butylphthalate	330	U	1	92.6	330	ug/Kg	10/29/25 14:03	PB170215
206-44-0	Fluoranthene	520		1	58.0	330	ug/Kg	10/29/25 14:03	PB170215
129-00-0	Pyrene	550		1	69.6	330	ug/Kg	10/29/25 14:03	PB170215
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/29/25 14:03	PB170215
91-94-1	3,3-Dichlorobenzidine	640	U	1	71.0	640	ug/Kg	10/29/25 14:03	PB170215
56-55-3	Benzo(a)anthracene	390		1	44.5	330	ug/Kg	10/29/25 14:03	PB170215
218-01-9	Chrysene	370		1	38.5	330	ug/Kg	10/29/25 14:03	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	110	330	ug/Kg	10/29/25 14:03	PB170215
117-84-0	Di-n-octyl phthalate	640	U	1	170	640	ug/Kg	10/29/25 14:03	PB170215
205-99-2	Benzo(b)fluoranthene	410		1	36.7	330	ug/Kg	10/29/25 14:03	PB170215
207-08-9	Benzo(k)fluoranthene	330	U	1	43.3	330	ug/Kg	10/29/25 14:03	PB170215
50-32-8	Benzo(a)pyrene	380		1	57.0	330	ug/Kg	10/29/25 14:03	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	1	56.3	330	ug/Kg	10/29/25 14:03	PB170215
53-70-3	Dibenzo(a,h)anthracene	330	U	1	53.0	330	ug/Kg	10/29/25 14:03	PB170215
191-24-2	Benzo(g,h,i)perylene	130	J	1	49.7	330	ug/Kg	10/29/25 14:03	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.5	330	ug/Kg	10/29/25 14:03	PB170215
123-91-1	1,4-Dioxane	330	U	1	87.4	330	ug/Kg	10/29/25 14:03	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	53.0	330	ug/Kg	10/29/25 14:03	PB170215

SURROGATES

367-12-4	2-Fluorophenol	62.2		18 - 112	41%	SPK: 150
13127-88-3	Phenol-d6	67.7		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.2		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.2		20 - 109	36%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.2		10 - 116	40%	SPK: 150
1718-51-0	Terphenyl-d14	31.8		10 - 105	32%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	62300
1146-65-2	Naphthalene-d8	236000
15067-26-2	Acenaphthene-d10	128000
1517-22-2	Phenanthrene-d10	203000
1719-03-5	Chrysene-d12	157000
1520-96-3	Perylene-d12	201000

TENTATIVE IDENTIFIED COMPOUNDS

054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	220	J	8.36	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	550	J	9.18	ug/Kg

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S16-119133-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	51.7
Sample Wt/Vol:	30.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
003891-99-4	2,6,10-Trimethyltridecane	760	J			9.63	ug/Kg		
013187-99-0	2-Bromo dodecane	560	J			11.3	ug/Kg		
000483-65-8	Retene	510	J			13.1	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

Quant Time: Oct 29 14:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62325	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	236347	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	128098	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	203077	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	156913	20.000	ng	0.00
86) Perylene-d12	15.539	264	200959	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	245211	62.246	ng	0.00
7) Phenol-d6	6.498	99	294369	67.662	ng	0.00
23) Nitrobenzene-d5	7.434	82	182008	42.191	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	98186	60.173	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	329315	36.177	ng	0.00
79) Terphenyl-d14	12.992	244	285704	31.831	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.427	178	65757	6.518	ng	98
72) Anthracene	11.480	178	28937m	2.777	ng	
75) Fluoranthene	12.627	202	89604	8.040	ng	96
78) Pyrene	12.857	202	96873	8.587	ng	98
81) Benzo(a)anthracene	14.045	228	64118	6.046	ng	# 81
83) Chrysene	14.080	228	57336	5.762	ng	# 86
88) Benzo(b)fluoranthene	15.104	252	71578m	6.300	ng	
90) Benzo(a)pyrene	15.474	252	60867	5.972	ng	# 93
92) Benzo(g,h,i)perylene	17.492	276	22739	2.071	ng	# 92

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

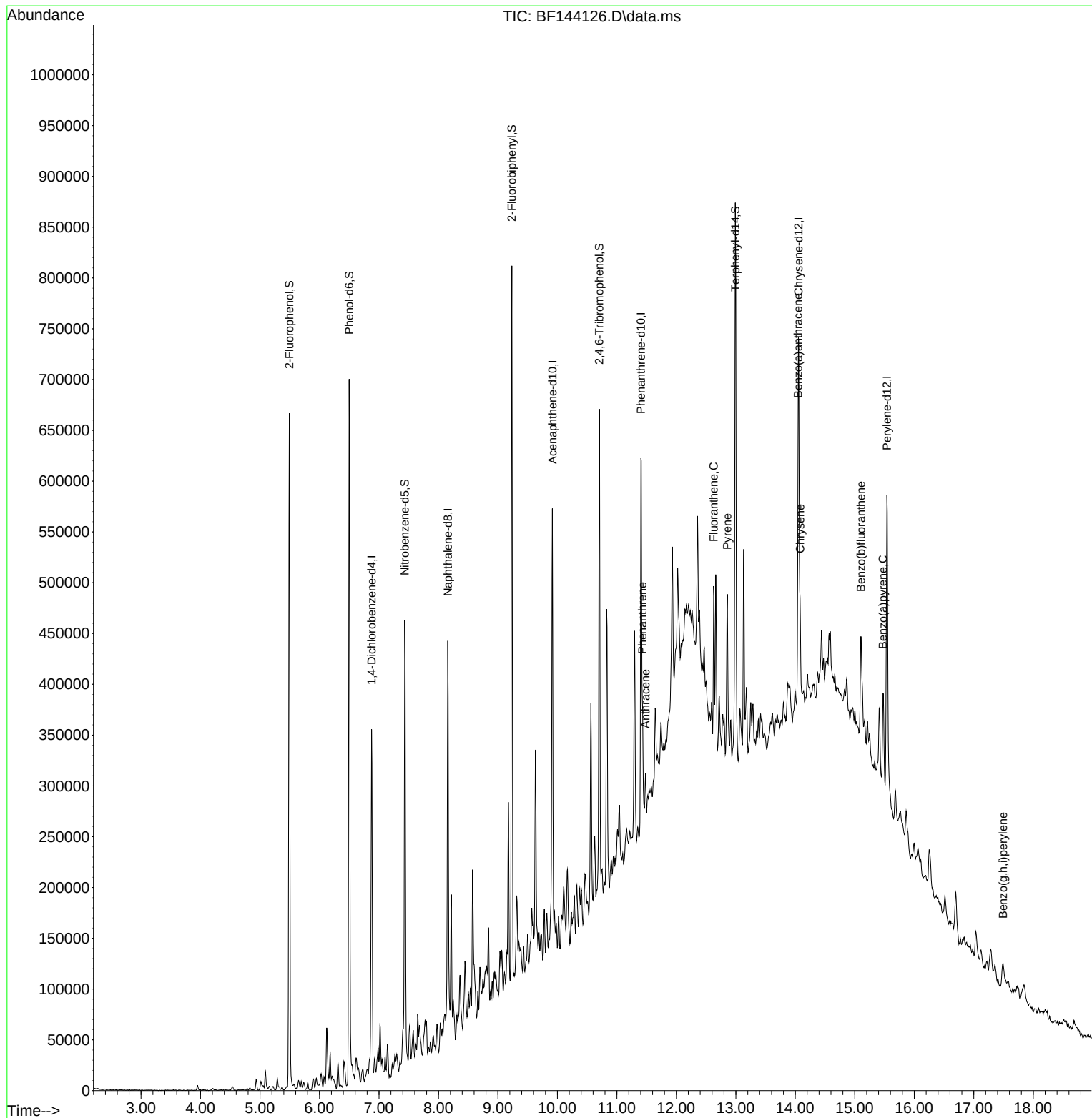
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Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

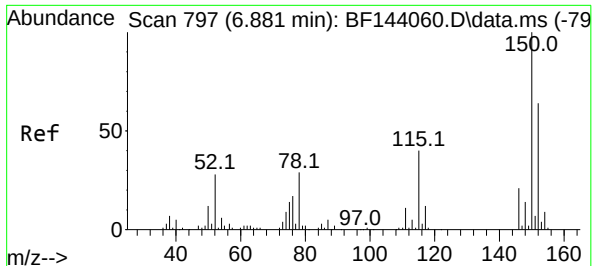
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

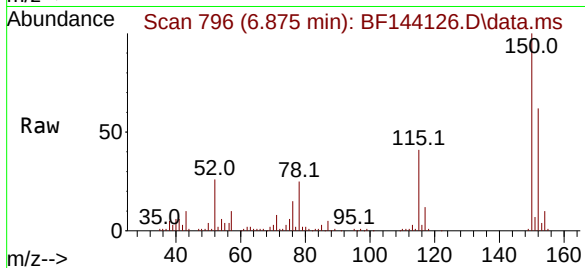
Quant Time: Oct 29 14:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

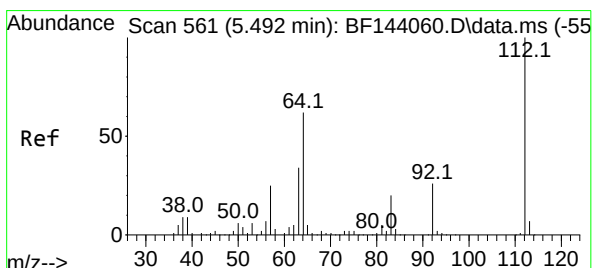
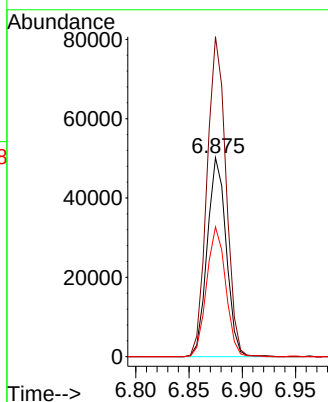
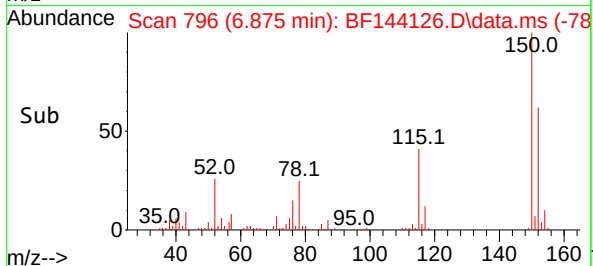
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



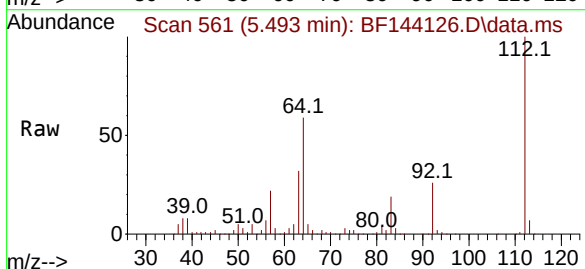
Tgt Ion:152 Resp: 62325
Ion Ratio Lower Upper
152 100
150 160.8 124.4 186.6
115 65.2 49.4 74.0

Manual Integrations
APPROVED

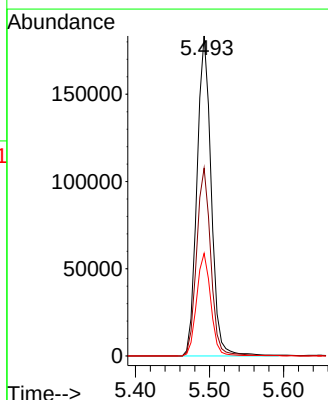
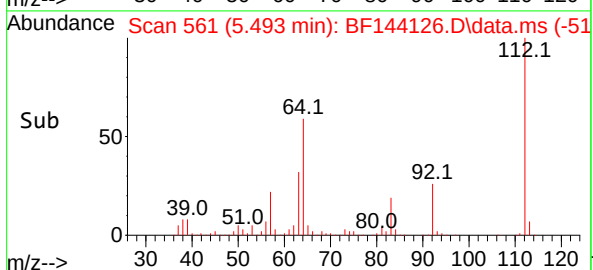
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

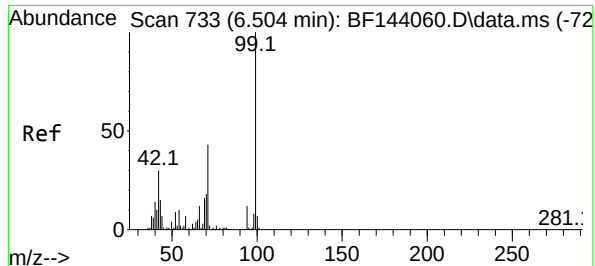


#5
2-Fluorophenol
Concen: 62.246 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03



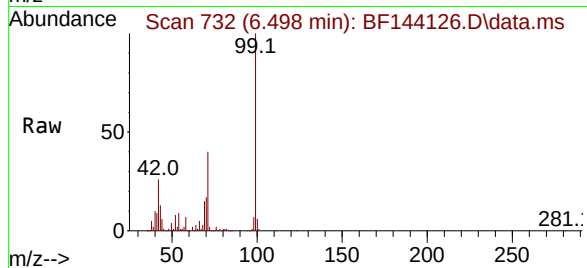
Tgt Ion:112 Resp: 245211
Ion Ratio Lower Upper
112 100
64 58.7 49.8 74.8
63 32.1 27.4 41.2





#7
Phenol-d6
Concen: 67.662 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

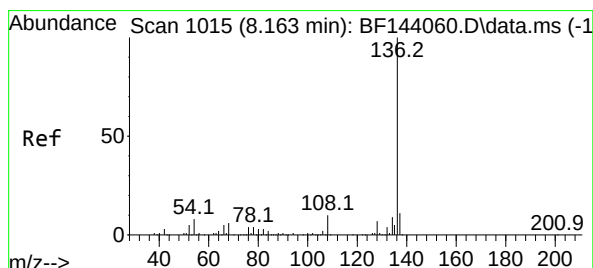
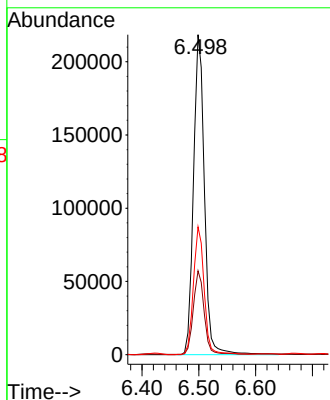
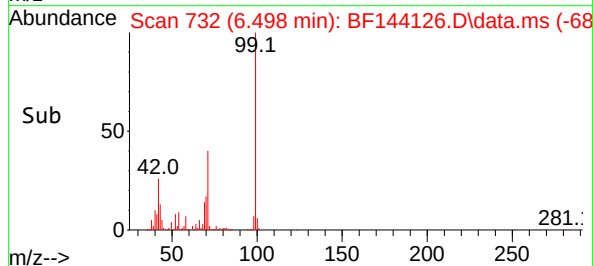
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



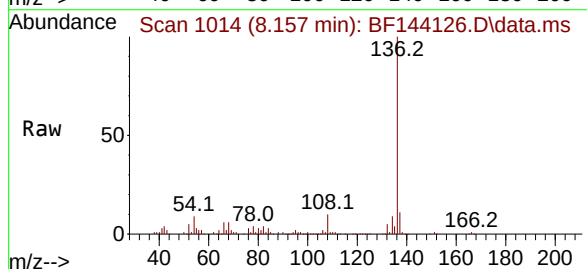
Tgt Ion: 99 Resp: 294369
Ion Ratio Lower Upper
99 100
42 26.2 23.9 35.9
71 39.9 34.4 51.6

Manual Integrations
APPROVED

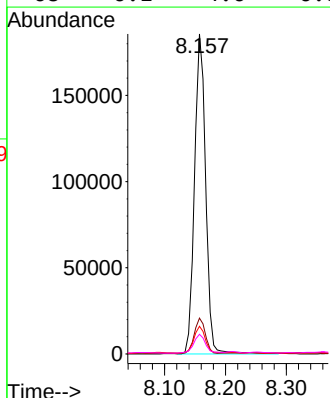
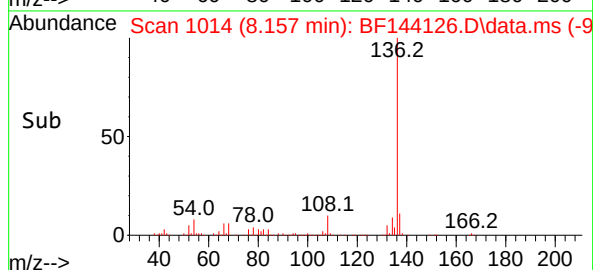
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

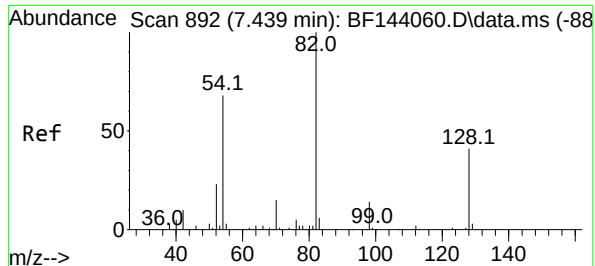


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03



Tgt Ion:136 Resp: 236347
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.6 6.6 9.8
68 6.1 4.6 6.8





#23

Nitrobenzene-d5

Concen: 42.191 ng

RT: 7.434 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF144126.D

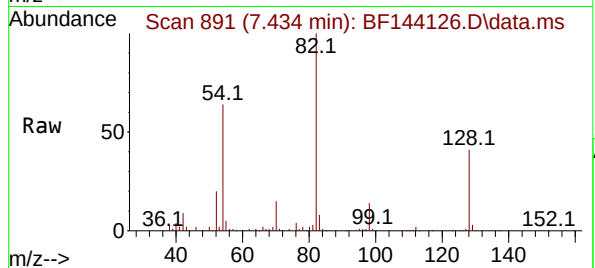
Acq: 29 Oct 2025 14:03

Instrument :

BNA_F

ClientSampleId :

PR132-S16-119133-20251021

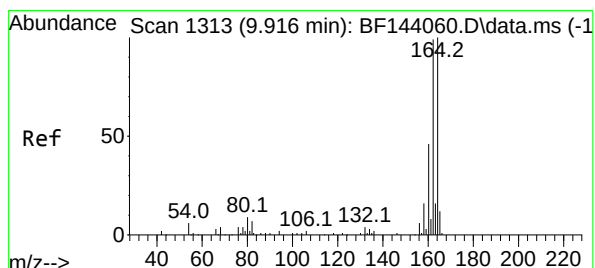
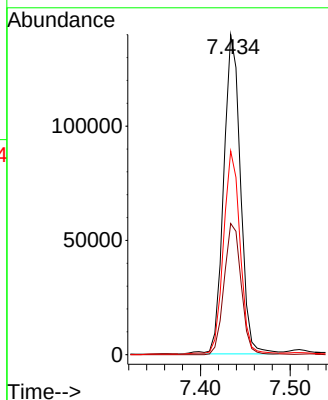
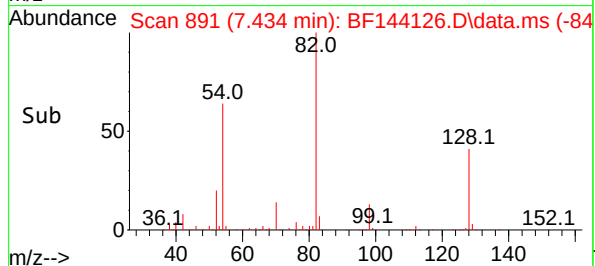


Tgt Ion:	82	Resp:	182000
Ion Ratio	Lower	Upper	
82	100		
128	41.0	32.4	48.6
54	63.6	54.0	81.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#39

Acenaphthene-d10

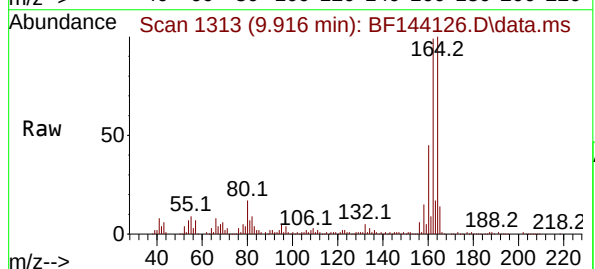
Concen: 20.000 ng

RT: 9.916 min Scan# 1313

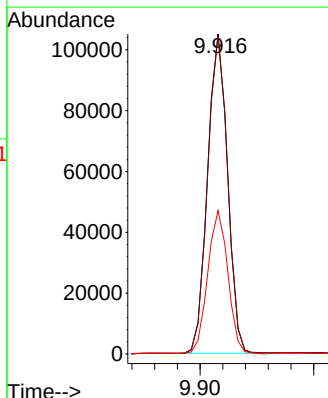
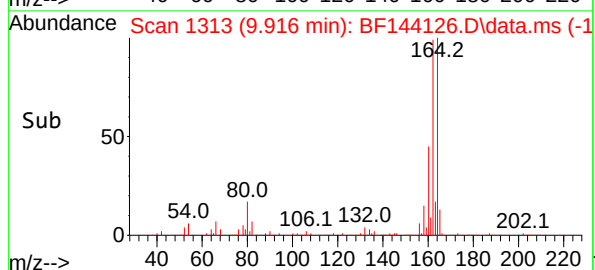
Delta R.T. 0.000 min

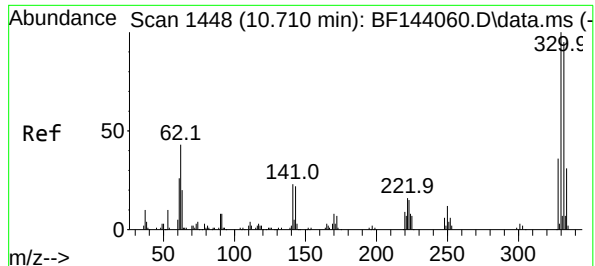
Lab File: BF144126.D

Acq: 29 Oct 2025 14:03



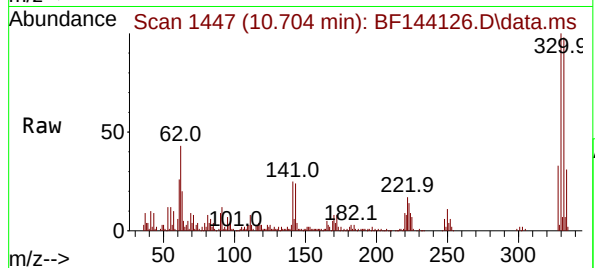
Tgt Ion:	164	Resp:	128098
Ion Ratio	Lower	Upper	
164	100		
162	99.5	79.4	119.2
160	44.8	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 60.173 ng
RT: 10.704 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

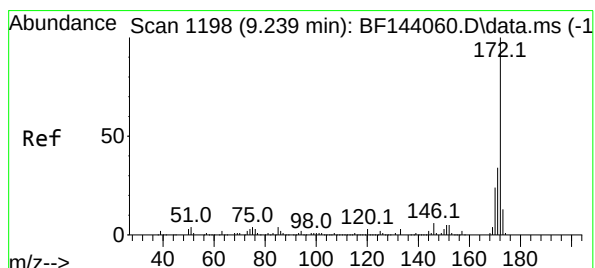
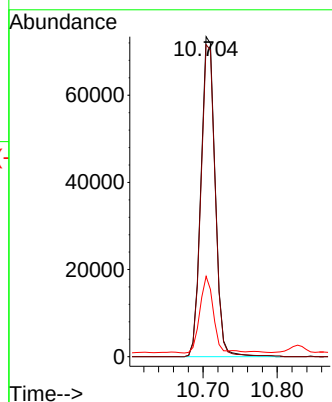
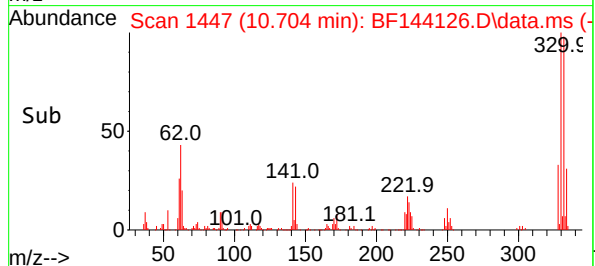
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion: 330 Resp: 98180
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.6
141 22.4 19.4 29.0

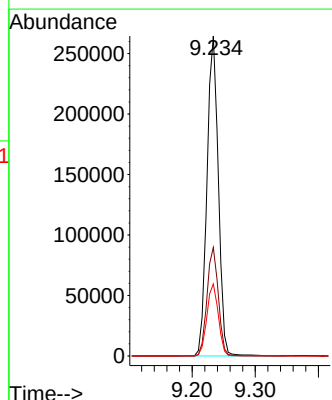
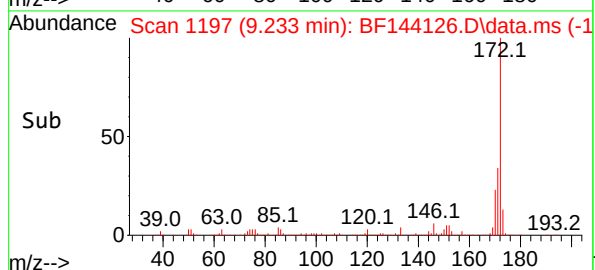
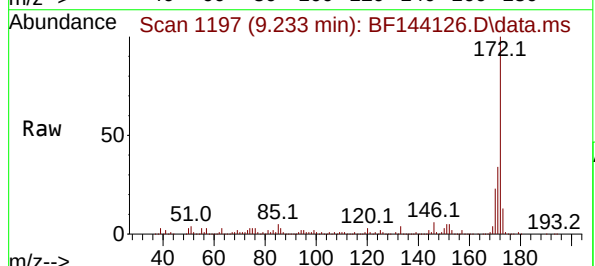
Manual Integrations
APPROVED

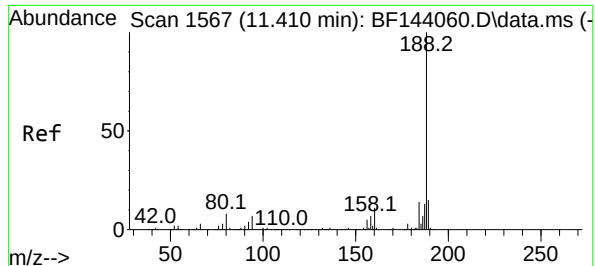
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#45
2-Fluorobiphenyl
Concen: 36.177 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

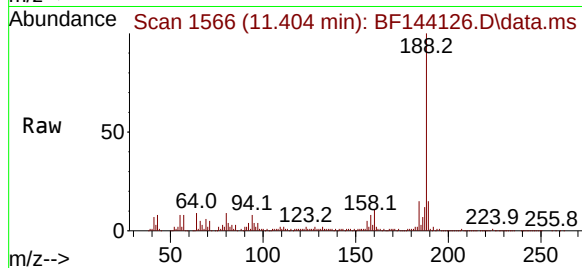
Tgt Ion: 172 Resp: 329315
Ion Ratio Lower Upper
172 100
171 33.9 27.5 41.3
170 22.5 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

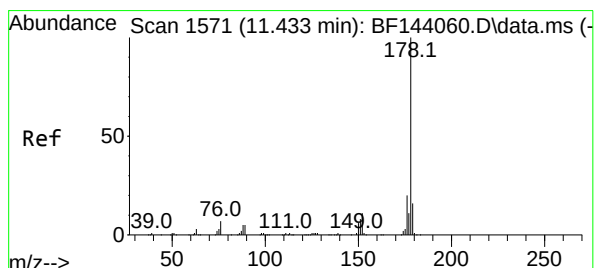
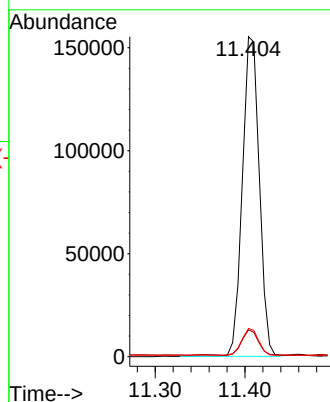
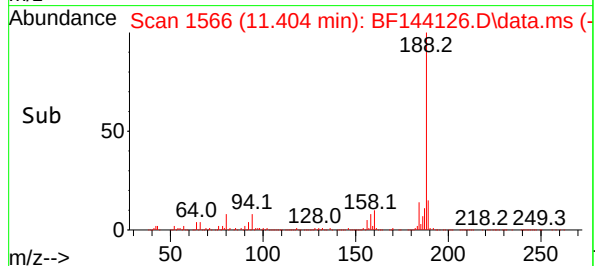
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion:188 Resp: 20307
Ion Ratio Lower Upper
188 100
94 8.4 5.4 8.0
80 8.9 6.0 9.0

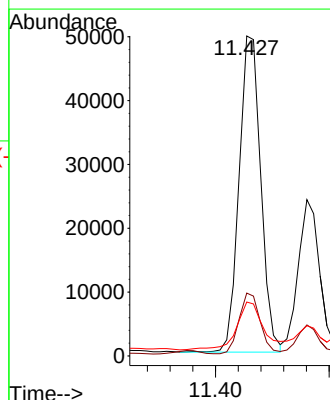
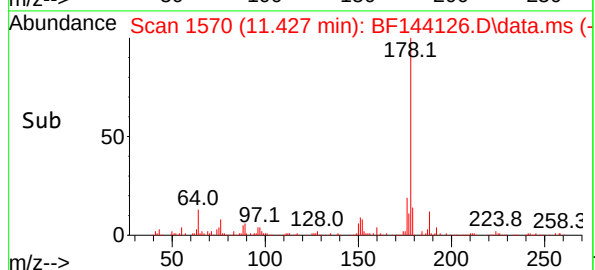
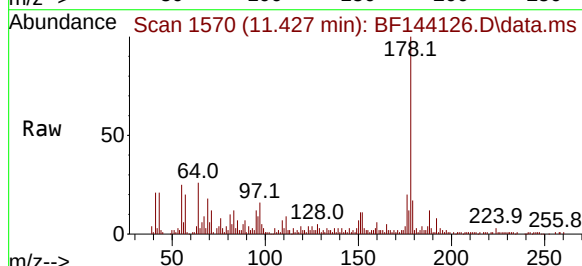
Manual Integrations
APPROVED

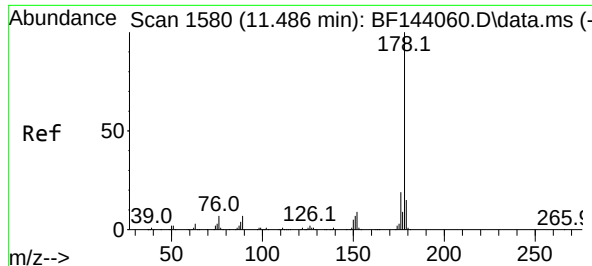
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#71
Phenanthrene
Concen: 6.518 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

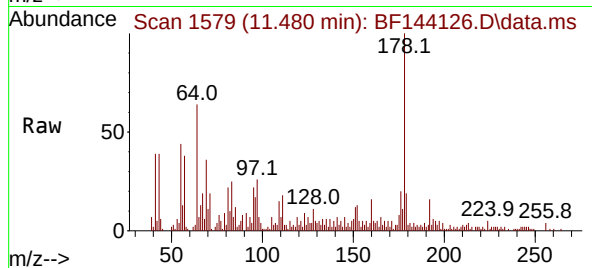
Tgt Ion:178 Resp: 65757
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 16.8 12.6 18.8





#72
Anthracene
Concen: 2.777 ng m
RT: 11.480 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

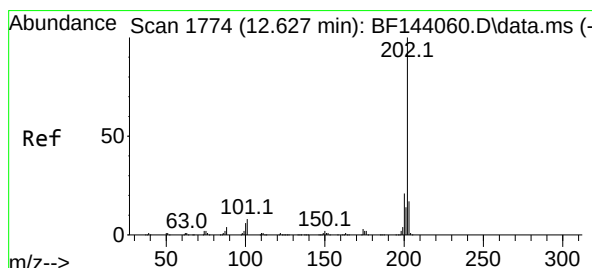
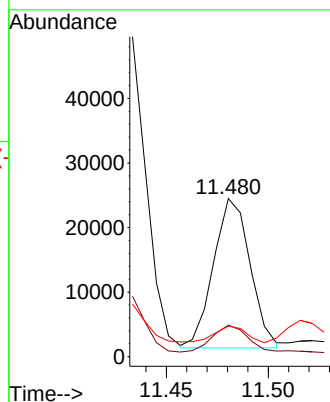
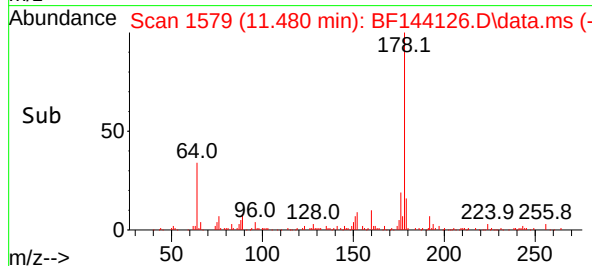
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion:178 Resp: 2893
Ion Ratio Lower Upper
178 100
176 19.9 15.0 22.4
179 19.3 11.8 17.6

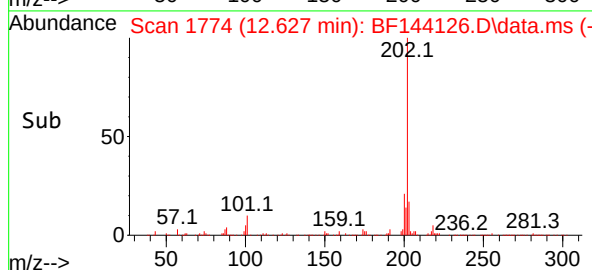
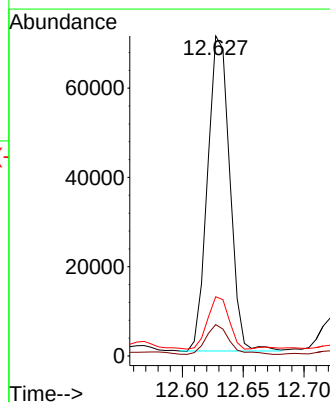
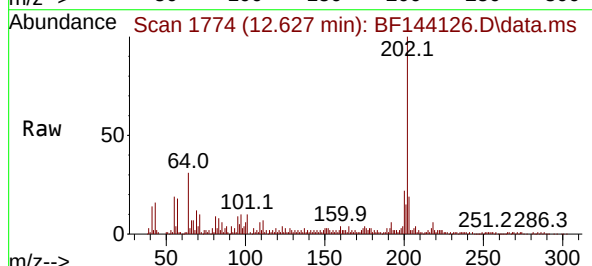
Manual Integrations
APPROVED

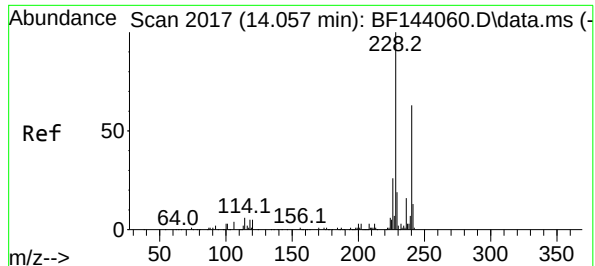
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#75
Fluoranthene
Concen: 8.040 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

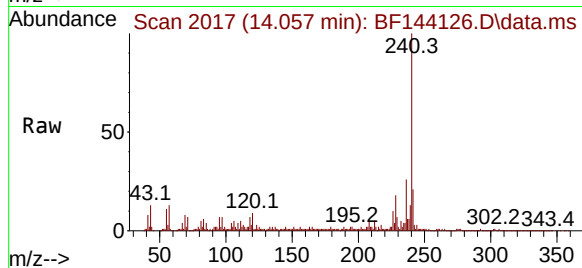
Tgt Ion:202 Resp: 89604
Ion Ratio Lower Upper
202 100
101 9.8 0.0 27.7
203 18.5 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

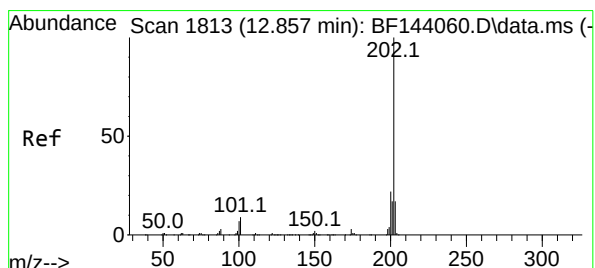
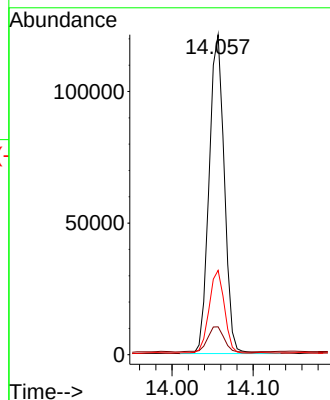
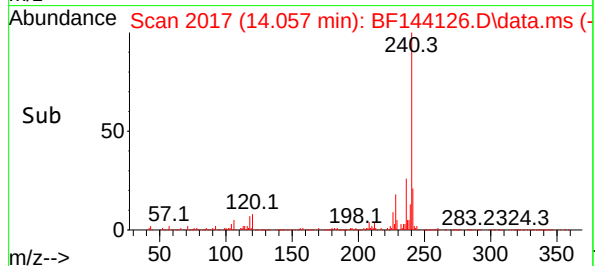
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion:240 Resp: 15691
Ion Ratio Lower Upper
240 100
120 8.7 6.5 9.7
236 26.4 20.1 30.1

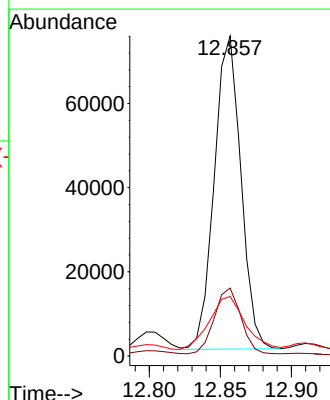
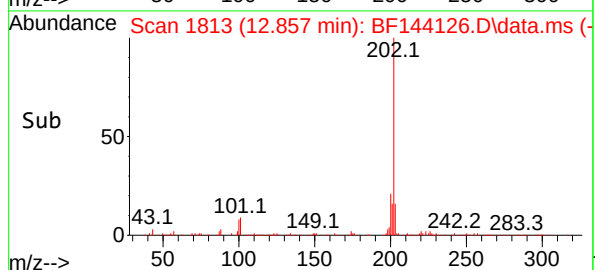
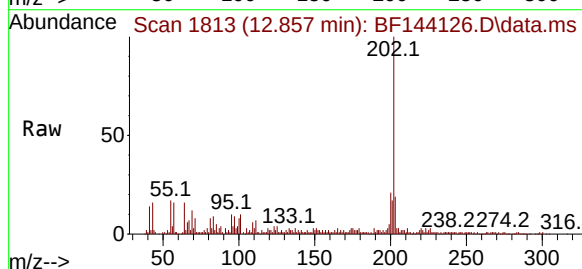
Manual Integrations
APPROVED

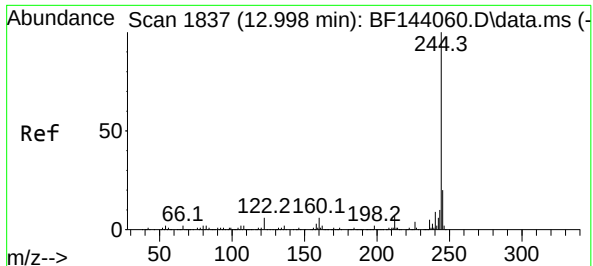
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#78
Pyrene
Concen: 8.587 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

Tgt Ion:202 Resp: 96873
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 18.6 13.5 20.3





#79

Terphenyl-d14

Concen: 31.831 ng

RT: 12.992 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

Instrument :

BNA_F

ClientSampleId :

PR132-S16-119133-20251021

Tgt Ion:244 Resp: 285704

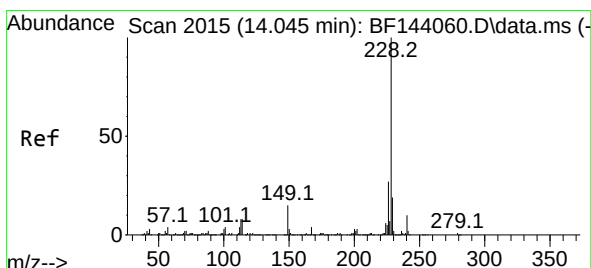
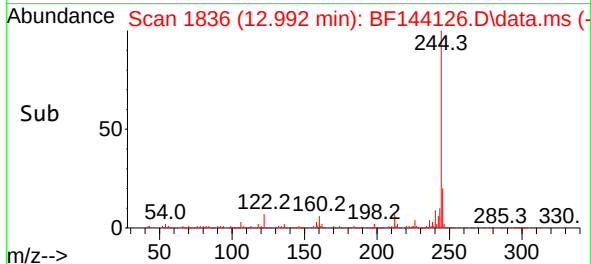
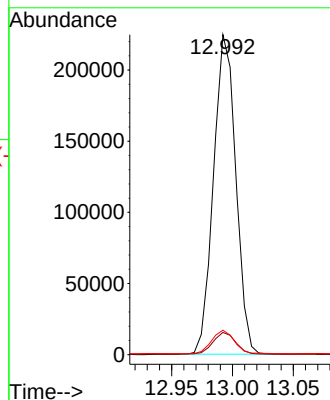
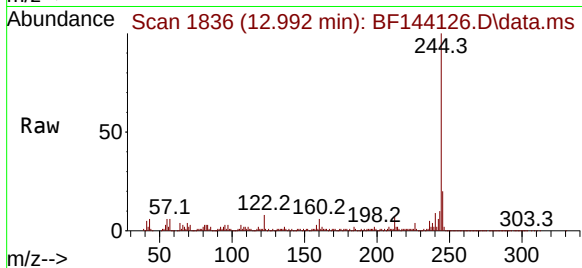
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	7.7	4.9	7.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#81

Benzo(a)anthracene

Concen: 6.046 ng

RT: 14.045 min Scan# 2015

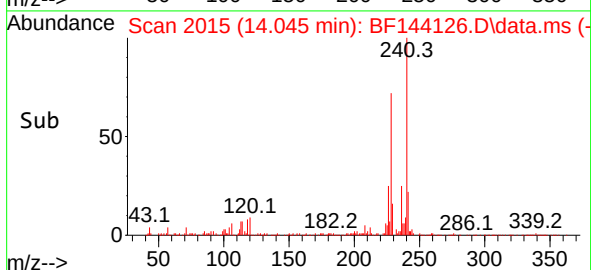
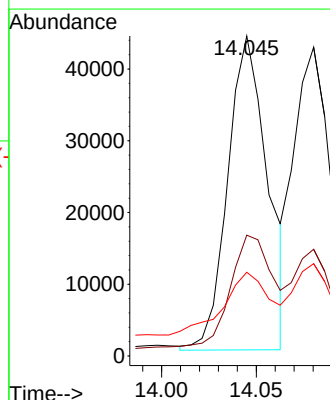
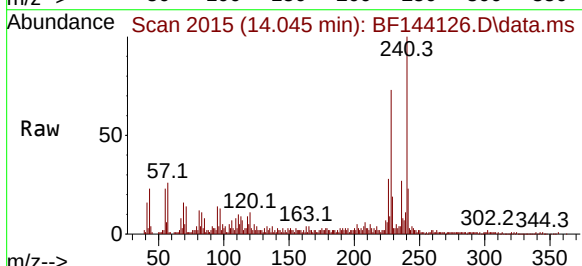
Delta R.T. 0.000 min

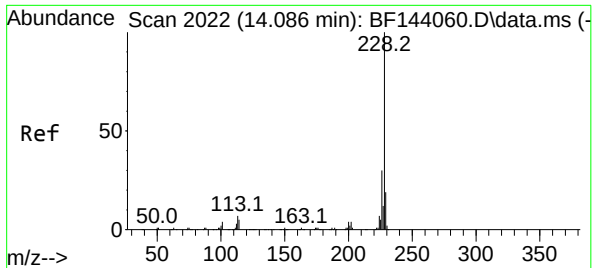
Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

Tgt Ion:228 Resp: 64118

Ion	Ratio	Lower	Upper
228	100		
226	37.8	21.4	32.2#
229	26.2	15.3	22.9#





#83

Chrysene

Concen: 5.762 ng

RT: 14.080 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

Instrument :

BNA_F

ClientSampleId :

PR132-S16-119133-20251021

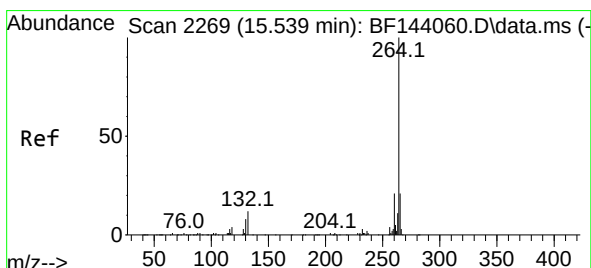
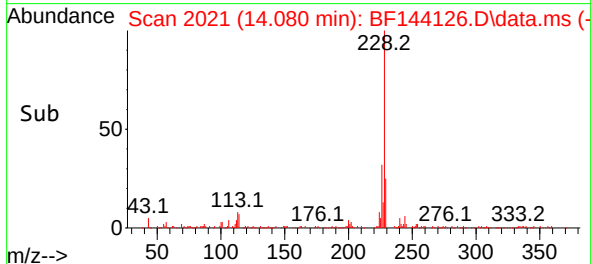
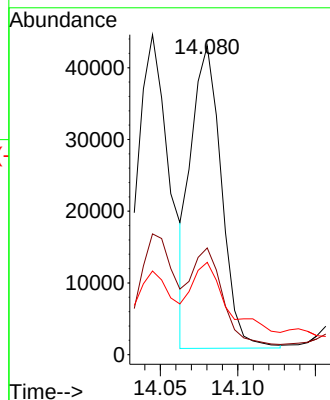
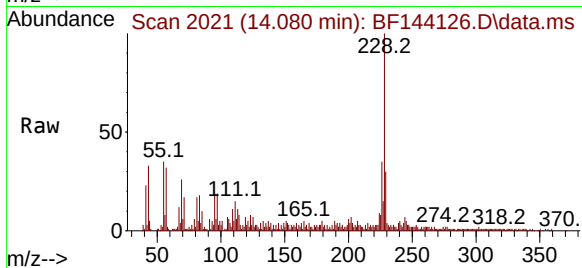
Tgt Ion:	228	Resp:	57330
Ion Ratio	Lower	Upper	
228	100		
226	34.5	23.8	35.6
229	29.9	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#86

Perylene-d12

Concen: 20.000 ng

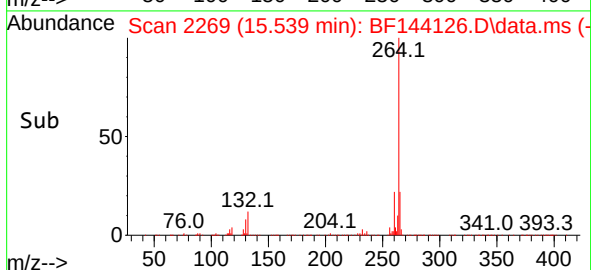
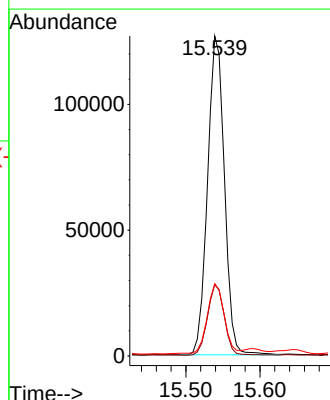
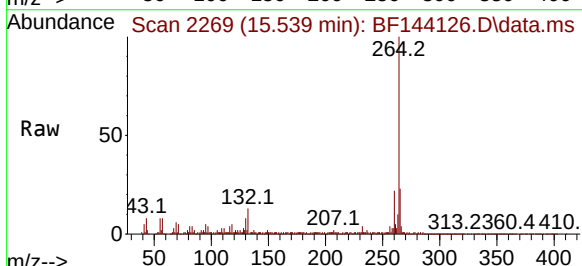
RT: 15.539 min Scan# 2269

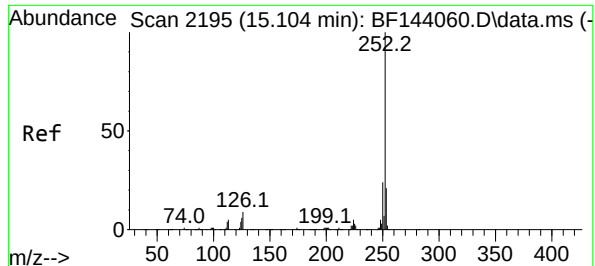
Delta R.T. 0.000 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

Tgt Ion:	264	Resp:	200959
Ion Ratio	Lower	Upper	
264	100		
260	22.3	17.0	25.4
265	22.6	16.6	24.8





#88

Benzo(b)fluoranthene

Concen: 6.300 ng m

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

Instrument :

BNA_F

ClientSampleId :

PR132-S16-119133-20251021

Tgt Ion:252 Resp: 71576

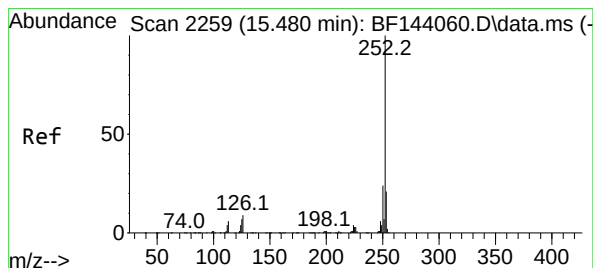
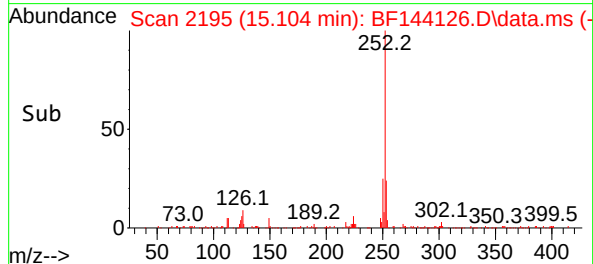
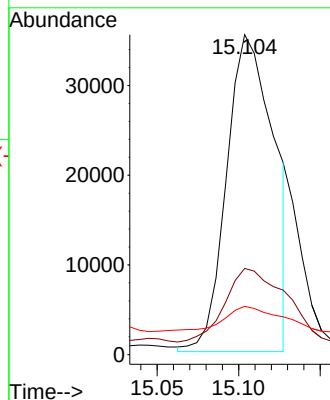
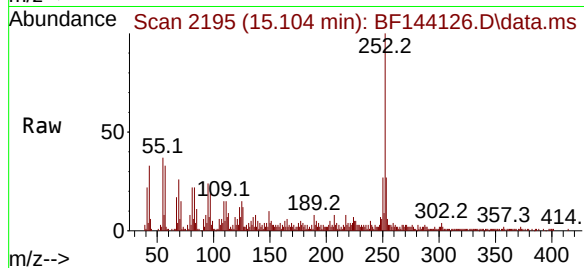
Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.2	25.8
125	15.1	5.0	7.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#90

Benzo(a)pyrene

Concen: 5.972 ng

RT: 15.474 min Scan# 2258

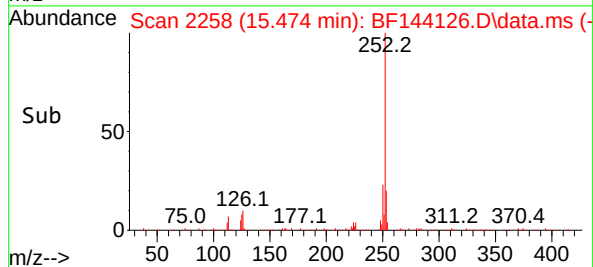
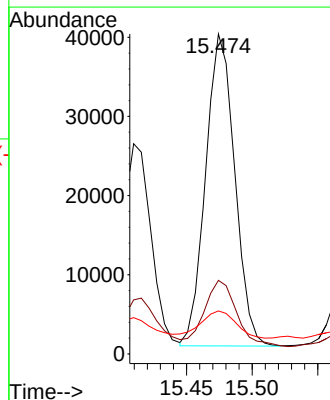
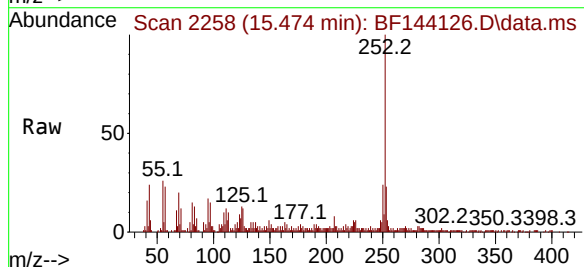
Delta R.T. -0.006 min

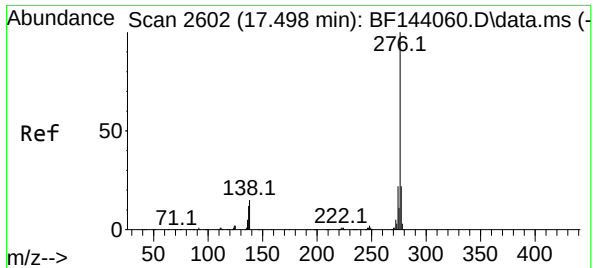
Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

Tgt Ion:252 Resp: 60867

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	13.4	5.4	8.2





#92

Benzo(g,h,i)perylene

Concen: 2.071 ng

RT: 17.492 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144126.D

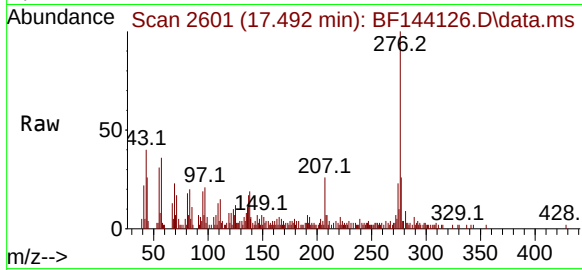
Acq: 29 Oct 2025 14:03

Instrument :

BNA_F

ClientSampleId :

PR132-S16-119133-20251021



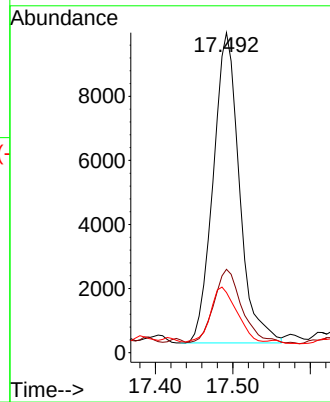
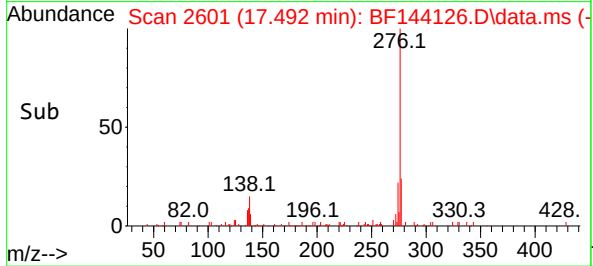
Tgt Ion:	276	Resp:	22739
Ion Ratio	Lower	Upper	
276	100		
277	26.1	17.9	26.9
138	18.8	12.0	18.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144126.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.934	462	466	473	rVB	10760	15782	1.68%	0.120%
2	5.016	473	480	485	rBV2	8698	18140	1.93%	0.138%
3	5.093	489	493	500	rVB2	16720	24944	2.65%	0.189%
4	5.293	521	527	531	rBV2	10935	17407	1.85%	0.132%
5	5.493	555	561	571	rBV	663302	873032	92.67%	6.626%
6	5.646	583	587	592	rBV3	8080	13297	1.41%	0.101%
7	5.734	598	602	608	rVB5	6808	11726	1.24%	0.089%
8	5.804	608	614	619	rVB4	7196	10146	1.08%	0.077%
9	5.893	624	629	634	rBV4	10763	22202	2.36%	0.169%
10	5.945	634	638	642	rBV2	9288	14789	1.57%	0.112%
11	6.028	647	652	657	rVB4	13519	24266	2.58%	0.184%
12	6.075	657	660	663	rBV2	10717	13992	1.49%	0.106%
13	6.122	663	668	674	rBV3	55144	87710	9.31%	0.666%
14	6.181	674	678	681	rVB	24996	30212	3.21%	0.229%
15	6.310	695	700	705	rBV2	25621	39889	4.23%	0.303%
16	6.410	713	717	725	rBV4	25865	54318	5.77%	0.412%
17	6.498	727	732	739	rBV	694273	942073	100.00%	7.150%
18	6.616	747	752	757	rBV5	20250	42981	4.56%	0.326%
19	6.728	764	771	775	rBV6	13114	27174	2.88%	0.206%
20	6.804	775	784	787	rVV5	11981	31730	3.37%	0.241%
21	6.875	791	796	801	rVV2	345520	488852	51.89%	3.710%
22	6.928	801	805	808	rVV2	21208	34595	3.67%	0.263%
23	6.987	808	815	817	rVV3	30756	64823	6.88%	0.492%
24	7.016	817	820	824	rVV	52771	81534	8.65%	0.619%
25	7.051	824	826	831	rVV2	19250	30222	3.21%	0.229%
26	7.104	831	835	838	rVV2	20846	32142	3.41%	0.244%
27	7.145	838	842	846	rVB3	32946	49840	5.29%	0.378%
28	7.222	851	855	857	rBV3	13071	16522	1.75%	0.125%
29	7.269	860	863	865	rVV3	12471	15389	1.63%	0.117%
30	7.298	866	868	874	rVB5	16533	23112	2.45%	0.175%
31	7.351	874	877	879	rBV3	9548	12249	1.30%	0.093%
32	7.434	887	891	900	rVB	433914	596397	63.31%	4.526%
33	7.516	900	905	909	rBV4	34790	56314	5.98%	0.427%
34	7.575	909	915	919	rBV2	28685	51234	5.44%	0.389%
35	7.622	920	923	925	rBV4	9612	11365	1.21%	0.086%
36	7.651	925	928	931	rBV2	35437	44258	4.70%	0.336%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	7.681	931	933	941	rVB6	29474	48855	5.19%	0.371%
38	7.775	942	949	951	rBV3	33227	66466	7.06%	0.504%
39	7.869	962	965	968	rVB4	10457	11463	1.22%	0.087%
40	7.910	968	972	976	rBV4	16610	29877	3.17%	0.227%
41	7.975	980	983	988	rVB3	27976	37439	3.97%	0.284%
42	8.034	988	993	995	rBV4	29135	43827	4.65%	0.333%
43	8.104	1000	1005	1008	rVV4	22139	46892	4.98%	0.356%
44	8.157	1009	1014	1020	rVV	384685	537502	57.06%	4.079%
45	8.216	1020	1024	1027	rVV	131128	163950	17.40%	1.244%
46	8.245	1027	1029	1036	rVB4	40668	71538	7.59%	0.543%
47	8.310	1036	1040	1042	rBV	24554	35442	3.76%	0.269%
48	8.363	1045	1049	1056	rVB5	52823	91543	9.72%	0.695%
49	8.445	1057	1063	1069	rBV5	63763	124493	13.21%	0.945%
50	8.504	1070	1073	1075	rBV3	21226	24832	2.64%	0.188%
51	8.575	1081	1085	1096	rVB2	145824	270845	28.75%	2.056%
52	8.663	1097	1100	1102	rBV	25864	27280	2.90%	0.207%
53	8.698	1102	1106	1111	rBV3	41938	71362	7.57%	0.542%
54	8.839	1127	1130	1134	rVB	71560	93642	9.94%	0.711%
55	8.939	1144	1147	1149	rBV4	24494	34535	3.67%	0.262%
56	9.034	1160	1163	1166	rBV4	40923	61208	6.50%	0.465%
57	9.151	1180	1183	1184	rBV3	29422	31468	3.34%	0.239%
58	9.175	1184	1187	1192	rVB	176108	212572	22.56%	1.613%
59	9.234	1192	1197	1202	rBV	704085	871937	92.56%	6.618%
60	9.316	1207	1211	1215	rBV2	70387	107533	11.41%	0.816%
61	9.633	1260	1265	1272	rVB2	196450	290991	30.89%	2.208%
62	9.781	1287	1290	1293	rVB2	43329	47474	5.04%	0.360%
63	9.916	1309	1313	1317	rVB	408998	495070	52.55%	3.757%
64	10.016	1328	1330	1335	rVB4	31768	38237	4.06%	0.290%
65	10.169	1352	1356	1363	rVB3	73393	135862	14.42%	1.031%
66	10.328	1379	1383	1387	rBV3	47536	74275	7.88%	0.564%
67	10.563	1418	1423	1429	rBV	205189	308455	32.74%	2.341%
68	10.704	1443	1447	1452	rVB	458422	567959	60.29%	4.311%
69	10.828	1464	1468	1476	rVB	273960	386384	41.01%	2.932%
70	11.298	1544	1548	1554	rVB2	205920	293913	31.20%	2.231%
71	11.404	1562	1566	1576	rBV2	371158	678727	72.05%	5.151%
72	12.627	1771	1774	1777	rBV	146907	181406	19.26%	1.377%
73	12.663	1777	1780	1785	rVB	172227	211512	22.45%	1.605%
74	12.857	1810	1813	1819	rVB	149529	201416	21.38%	1.529%
75	12.992	1832	1836	1844	rVB	549598	763377	81.03%	5.794%
76	13.133	1856	1860	1864	rBV	192940	251759	26.72%	1.911%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.051	2012	2016	2028	rVB2	350841	634494	67.35%	4.815%
78	15.539	2265	2269	2283	rVB	309702	573666	60.89%	4.354%

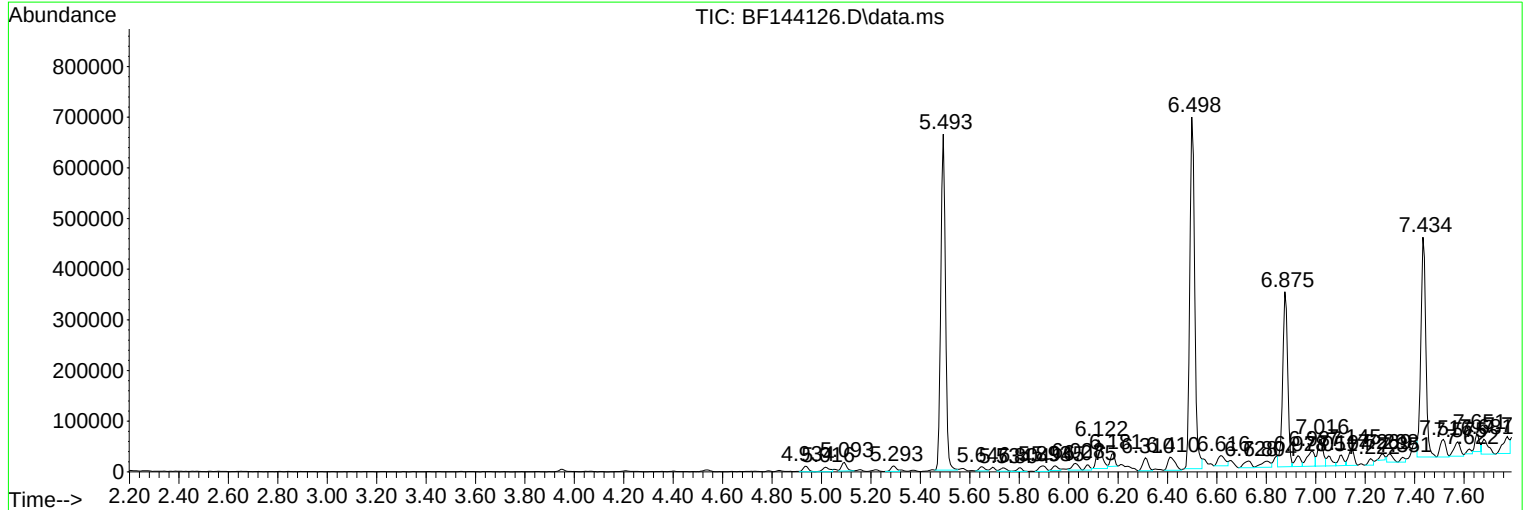
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Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

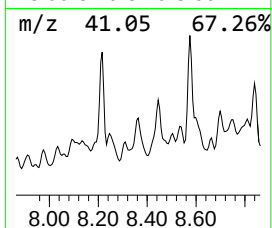
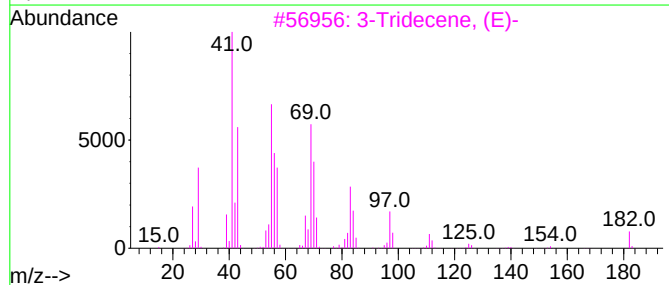
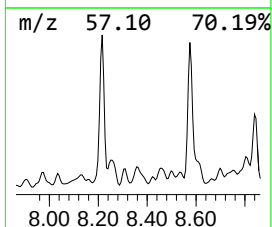
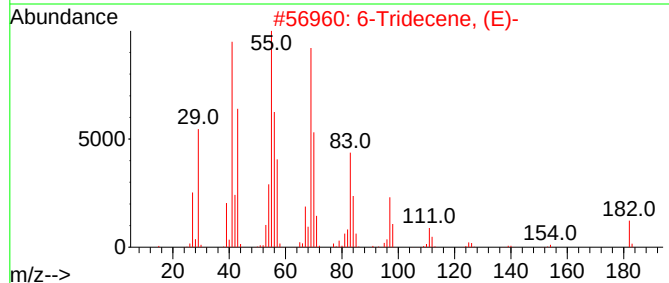
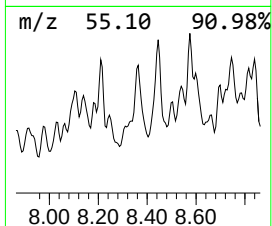
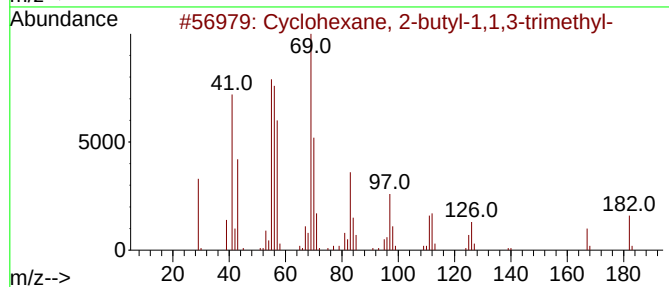
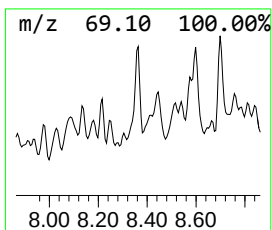
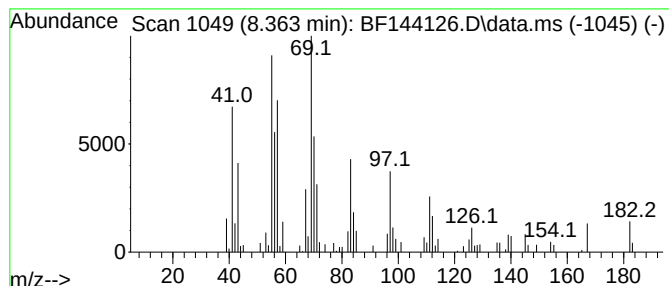
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.363	3.41 ng	91543	Naphthalene-d8	8.157

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	93
2		6-Tridecene, (E)-	182	C13H26	006434-76-0	80
3		3-Tridecene, (E)-	182	C13H26	041446-57-5	80
4		3-Heptafluorobutyroxytridecane	396	C17H27F7O2	1000245-49-5	72
5		Cyclopentane, 3-hexyl-1,1-dimethyl-	182	C13H26	061142-65-2	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

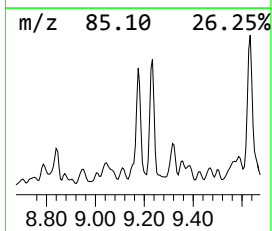
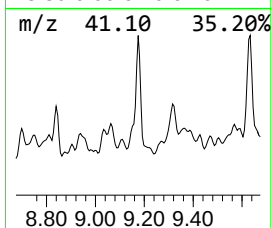
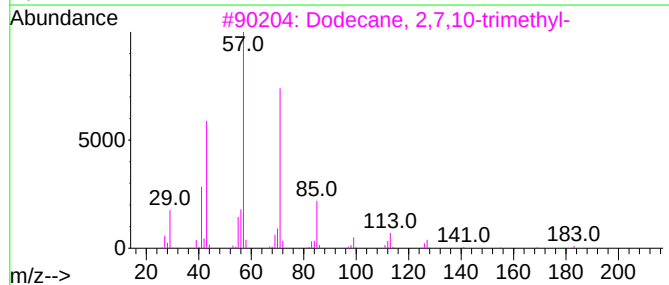
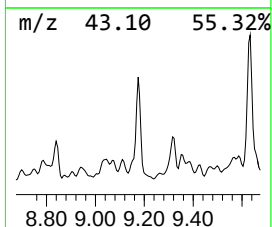
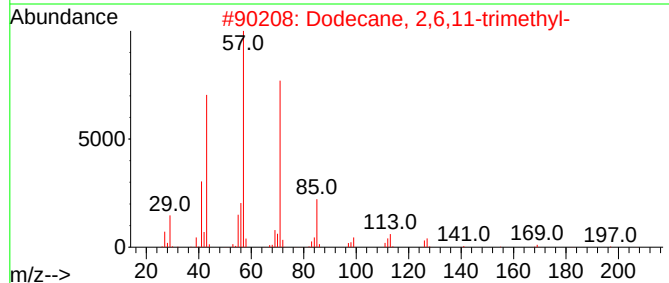
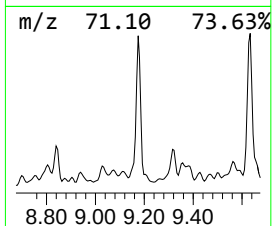
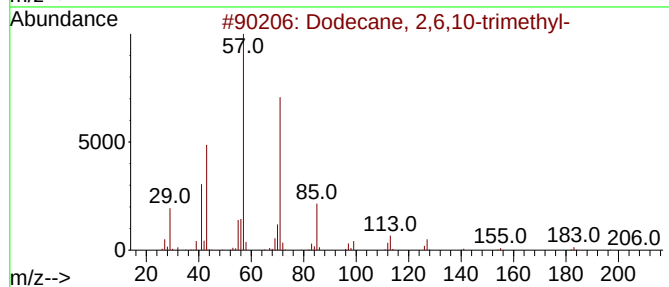
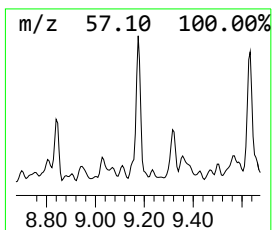
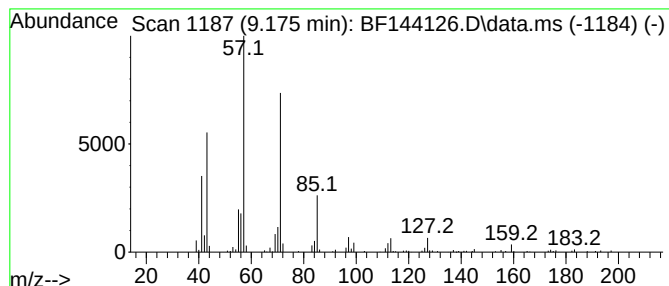
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dodecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.175	8.59 ng	212572	Acenaphthene-d10	9.916

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
5		Tridecane, 5-propyl-	226	C16H34	055045-11-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

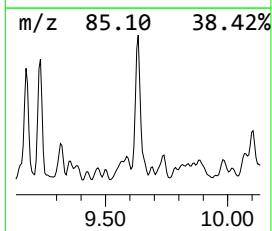
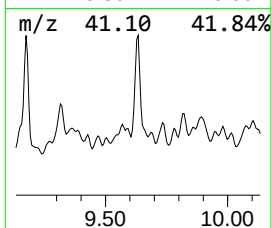
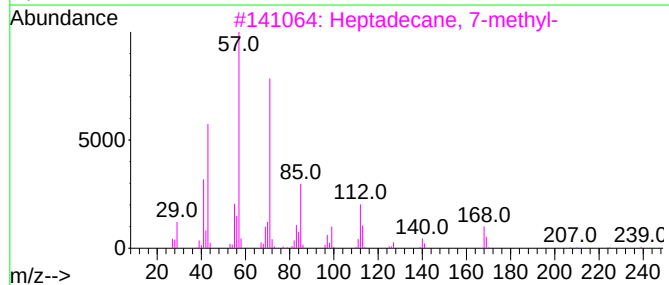
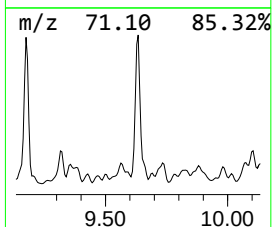
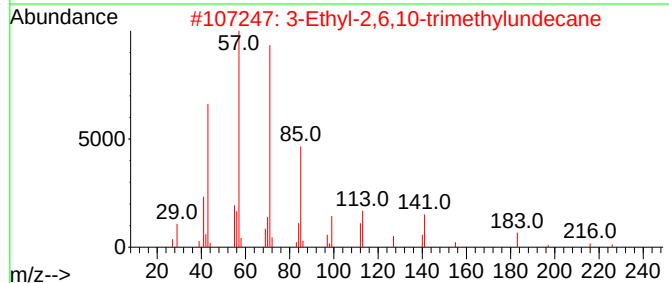
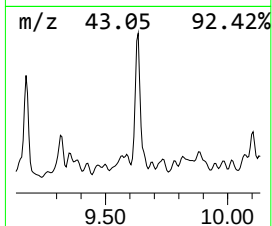
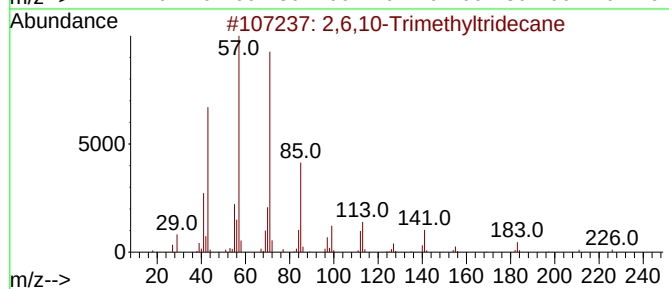
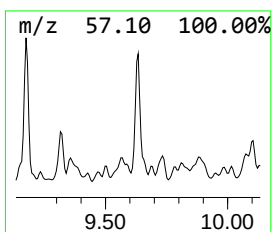
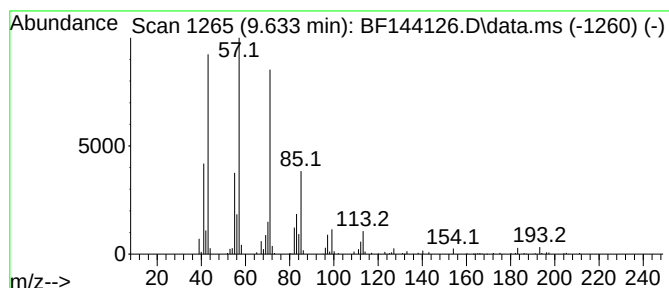
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 2,6,10-Trimethyltridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.
9.633	11.76 ng	290991	Acenaphthene-d10			9.916
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	90
2		3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	86
3		Heptadecane, 7-methyl-	254	C18H38	020959-33-5	83
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
5		Tetratetracontane	619	C44H90	007098-22-8	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

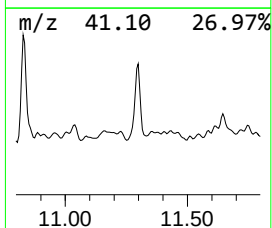
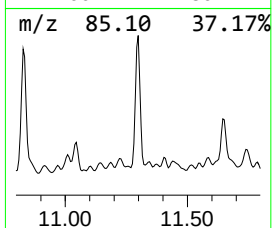
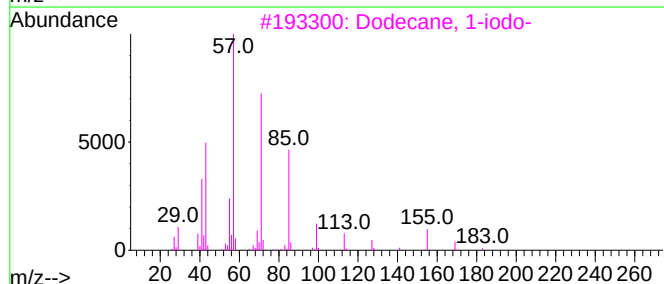
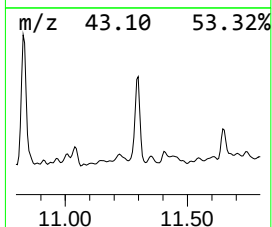
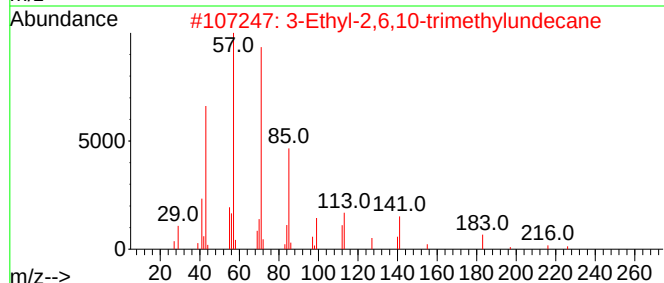
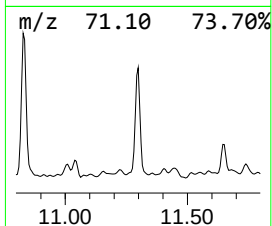
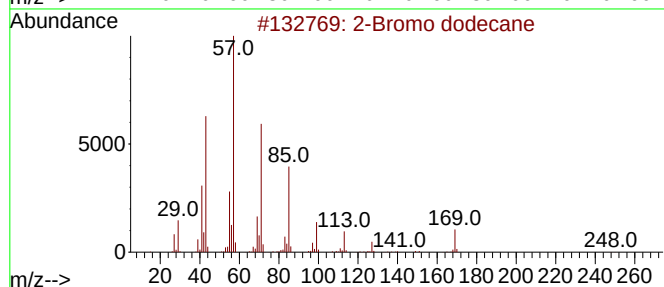
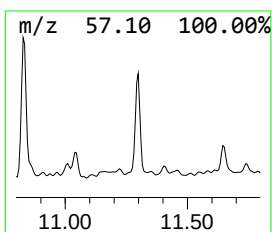
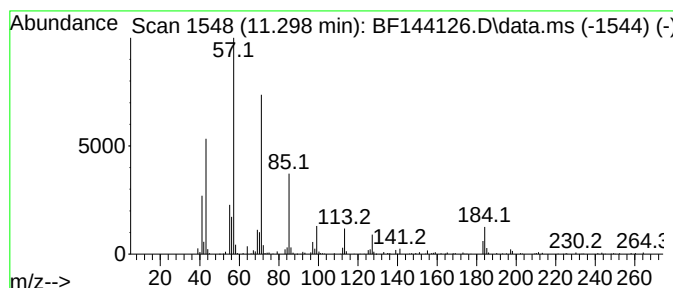
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 2-Bromo dodecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	8.66 ng	293913	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Bromo dodecane	248	C12H25Br	013187-99-0	91
2		3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	86
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
4		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80
5		2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

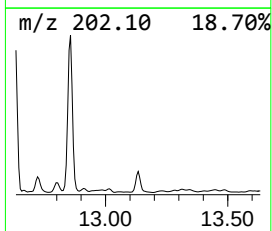
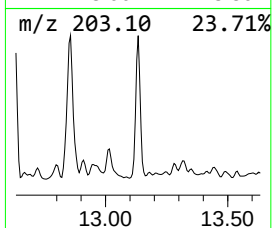
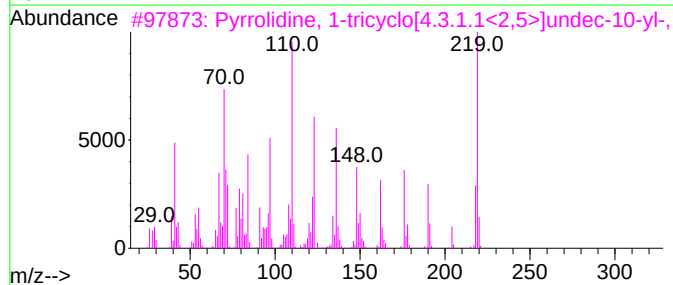
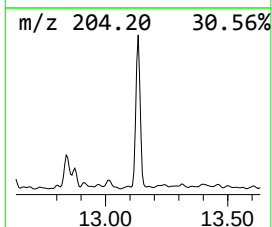
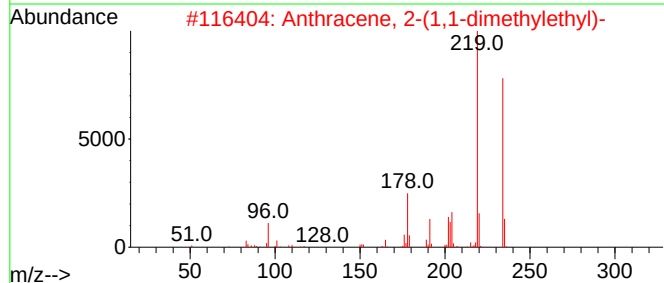
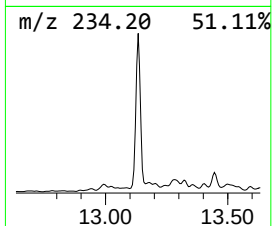
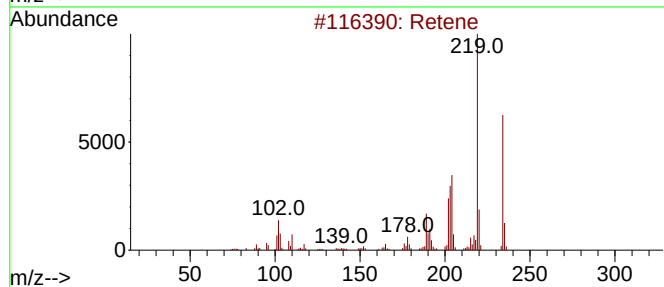
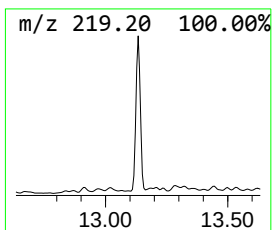
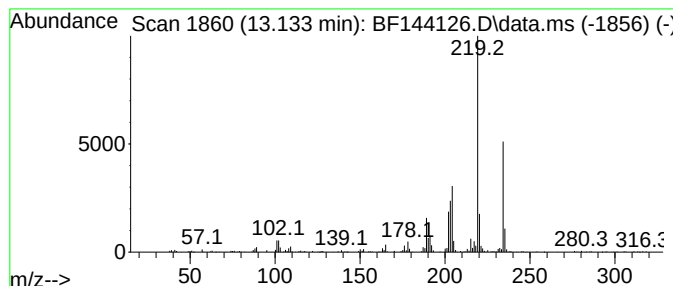
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Retene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	7.94 ng	251759	Chrysene-d12	14.057

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Retene	234	C18H18	000483-65-8	97
2		Anthracene, 2-(1,1-dimethylethyl)-	234	C18H18	018801-00-8	86
3		Pyrrolidine, 1-tricyclo[4.3.1.1<...]	219	C15H25N	085538-51-8	80
4		Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	74
5		Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexane, 2-...	8.363	3.4	ng	91543	2	8.157	537502	20.0
Dodecane, 2,6,1...	9.175	8.6	ng	212572	3	9.916	495070	20.0
2,6,10-Trimethy...	9.633	11.8	ng	290991	3	9.916	495070	20.0
2-Bromo dodecane	11.298	8.7	ng	293913	4	11.404	678727	20.0
Retene	13.133	7.9	ng	251759	5	14.057	634494	20.0

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S16-094119-20251021
 Lab Sample ID: Q3419-05
 Analytical Method: 8270E Level: LOW
 Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
 Prep Method: SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
 Date Received: 10/21/25
 SDG No.: Q3419
 Matrix: SOIL
 % Solid: 46.9
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	700	U	1	330	700	ug/Kg	10/28/25 17:54	PB170215
108-95-2	Phenol	360	U	1	47.0	360	ug/Kg	10/28/25 17:54	PB170215
111-44-4	bis(2-Chloroethyl)ether	360	U	1	51.7	360	ug/Kg	10/28/25 17:54	PB170215
95-57-8	2-Chlorophenol	360	U	1	51.9	360	ug/Kg	10/28/25 17:54	PB170215
95-48-7	2-Methylphenol	360	U	1	63.6	360	ug/Kg	10/28/25 17:54	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	360	U	1	79.8	360	ug/Kg	10/28/25 17:54	PB170215
98-86-2	Acetophenone	360	U	1	62.8	360	ug/Kg	10/28/25 17:54	PB170215
65794-96-9	3+4-Methylphenols	700	U	1	87.5	700	ug/Kg	10/28/25 17:54	PB170215
621-64-7	n-Nitroso-di-n-propylamine	170	U	1	100	170	ug/Kg	10/28/25 17:54	PB170215
67-72-1	Hexachloroethane	360	U	1	37.5	360	ug/Kg	10/28/25 17:54	PB170215
98-95-3	Nitrobenzene	360	U	1	38.9	360	ug/Kg	10/28/25 17:54	PB170215
78-59-1	Isophorone	360	U	1	69.8	360	ug/Kg	10/28/25 17:54	PB170215
88-75-5	2-Nitrophenol	360	U	1	120	360	ug/Kg	10/28/25 17:54	PB170215
105-67-9	2,4-Dimethylphenol	360	U	1	140	360	ug/Kg	10/28/25 17:54	PB170215
111-91-1	bis(2-Chloroethoxy)methane	360	U	1	65.5	360	ug/Kg	10/28/25 17:54	PB170215
120-83-2	2,4-Dichlorophenol	360	U	1	60.2	360	ug/Kg	10/28/25 17:54	PB170215
91-20-3	Naphthalene	360	U	1	48.3	360	ug/Kg	10/28/25 17:54	PB170215
106-47-8	4-Chloroaniline	360	U	1	75.3	360	ug/Kg	10/28/25 17:54	PB170215
87-68-3	Hexachlorobutadiene	360	U	1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
105-60-2	Caprolactam	700	U	1	110	700	ug/Kg	10/28/25 17:54	PB170215
59-50-7	4-Chloro-3-methylphenol	360	U	1	61.1	360	ug/Kg	10/28/25 17:54	PB170215
91-57-6	2-Methylnaphthalene	360	U	1	54.5	360	ug/Kg	10/28/25 17:54	PB170215
77-47-4	Hexachlorocyclopentadiene	700	U	1	250	700	ug/Kg	10/28/25 17:54	PB170215
88-06-2	2,4,6-Trichlorophenol	360	U	1	42.1	360	ug/Kg	10/28/25 17:54	PB170215
95-95-4	2,4,5-Trichlorophenol	360	U	1	61.9	360	ug/Kg	10/28/25 17:54	PB170215
92-52-4	1,1-Biphenyl	360	U	1	46.4	360	ug/Kg	10/28/25 17:54	PB170215
91-58-7	2-Chloronaphthalene	360	U	1	47.9	360	ug/Kg	10/28/25 17:54	PB170215
88-74-4	2-Nitroaniline	360	U	1	100	360	ug/Kg	10/28/25 17:54	PB170215
131-11-3	Dimethylphthalate	360	U	1	57.7	360	ug/Kg	10/28/25 17:54	PB170215
208-96-8	Acenaphthylene	360	U	1	61.5	360	ug/Kg	10/28/25 17:54	PB170215
606-20-2	2,6-Dinitrotoluene	360	U	1	71.5	360	ug/Kg	10/28/25 17:54	PB170215
99-09-2	3-Nitroaniline	360	U	1	97.9	360	ug/Kg	10/28/25 17:54	PB170215
83-32-9	Acenaphthene	210	J	1	45.3	360	ug/Kg	10/28/25 17:54	PB170215
51-28-5	2,4-Dinitrophenol	700	U	1	490	700	ug/Kg	10/28/25 17:54	PB170215
100-02-7	4-Nitrophenol	700	U	1	230	700	ug/Kg	10/28/25 17:54	PB170215
132-64-9	Dibenzofuran	240	J	1	48.3	360	ug/Kg	10/28/25 17:54	PB170215
121-14-2	2,4-Dinitrotoluene	360	U	1	110	360	ug/Kg	10/28/25 17:54	PB170215
84-66-2	Diethylphthalate	360	U	1	60.2	360	ug/Kg	10/28/25 17:54	PB170215
7005-72-3	4-Chlorophenyl-phenylether	360	U	1	56.8	360	ug/Kg	10/28/25 17:54	PB170215
86-73-7	Fluorene	660		1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
100-01-6	4-Nitroaniline	360	U	1	140	360	ug/Kg	10/28/25 17:54	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	700	U	1	220	700	ug/Kg	10/28/25 17:54	PB170215

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S16-094119-20251021
 Lab Sample ID: Q3419-05
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
 Date Received: 10/21/25
 SDG No.: Q3419
 Matrix: SOIL
 % Solid: 46.9
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	360	U	1	70.0	360	ug/Kg	10/28/25 17:54	PB170215
101-55-3	4-Bromophenyl-phenylether	360	U	1	59.2	360	ug/Kg	10/28/25 17:54	PB170215
118-74-1	Hexachlorobenzene	360	U	1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
1912-24-9	Atrazine	360	U	1	72.4	360	ug/Kg	10/28/25 17:54	PB170215
87-86-5	Pentachlorophenol	700	U	1	110	700	ug/Kg	10/28/25 17:54	PB170215
85-01-8	Phenanthrene	4400		1	44.5	360	ug/Kg	10/28/25 17:54	PB170215
120-12-7	Anthracene	3100		1	70.9	360	ug/Kg	10/28/25 17:54	PB170215
86-74-8	Carbazole	920		1	66.4	360	ug/Kg	10/28/25 17:54	PB170215
84-74-2	Di-n-butylphthalate	360	U	1	100	360	ug/Kg	10/28/25 17:54	PB170215
206-44-0	Fluoranthene	5200		1	63.8	360	ug/Kg	10/28/25 17:54	PB170215
129-00-0	Pyrene	2800		1	76.6	360	ug/Kg	10/28/25 17:54	PB170215
85-68-7	Butylbenzylphthalate	360	U	1	150	360	ug/Kg	10/28/25 17:54	PB170215
91-94-1	3,3-Dichlorobenzidine	700	U	1	78.1	700	ug/Kg	10/28/25 17:54	PB170215
56-55-3	Benzo(a)anthracene	1100		1	48.9	360	ug/Kg	10/28/25 17:54	PB170215
218-01-9	Chrysene	1200		1	42.3	360	ug/Kg	10/28/25 17:54	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	1	130	360	ug/Kg	10/28/25 17:54	PB170215
117-84-0	Di-n-octyl phthalate	700	U	1	180	700	ug/Kg	10/28/25 17:54	PB170215
205-99-2	Benzo(b)fluoranthene	470		1	40.4	360	ug/Kg	10/28/25 17:54	PB170215
207-08-9	Benzo(k)fluoranthene	190	J	1	47.7	360	ug/Kg	10/28/25 17:54	PB170215
50-32-8	Benzo(a)pyrene	320	J	1	62.8	360	ug/Kg	10/28/25 17:54	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	360	U	1	61.9	360	ug/Kg	10/28/25 17:54	PB170215
53-70-3	Dibenzo(a,h)anthracene	360	U	1	58.3	360	ug/Kg	10/28/25 17:54	PB170215
191-24-2	Benzo(g,h,i)perylene	360	U	1	54.7	360	ug/Kg	10/28/25 17:54	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	360	U	1	54.5	360	ug/Kg	10/28/25 17:54	PB170215
123-91-1	1,4-Dioxane	360	U	1	96.2	360	ug/Kg	10/28/25 17:54	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	360	U	1	58.3	360	ug/Kg	10/28/25 17:54	PB170215

SURROGATES

367-12-4	2-Fluorophenol	84.7			18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	76.3			15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.8			18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.5			20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.5			10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	43.7			10 - 105	44%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	35900
1146-65-2	Naphthalene-d8	132000
15067-26-2	Acenaphthene-d10	98600
1517-22-2	Phenanthrene-d10	223000
1719-03-5	Chrysene-d12	286000
1520-96-3	Perylene-d12	312000

TENTATIVE IDENTIFIED COMPOUNDS

000091-57-6	Naphthalene, 2-methyl-	200	J		12.7	ug/Kg
000119-61-9	Benzophenone	500	J		16.2	ug/Kg

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR132-S16-094119-20251021		SDG No.:	Q3419
Lab Sample ID:	Q3419-05		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	46.9
Sample Wt/Vol:	30.06 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
003075-84-1	1,1-Biphenyl, 2,2,5,5-tetrameth	300	J			16.5	ug/Kg		
000132-65-0	Dibenzothiophene	550	J			17.4	ug/Kg		
002531-84-2	Phenanthrene, 2-methyl-	1000	J			18.5	ug/Kg		
000832-69-9	Phenanthrene, 1-methyl-	840	J			18.5	ug/Kg		
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	510	J			18.6	ug/Kg		
000612-94-2	Naphthalene, 2-phenyl-	560	J			18.9	ug/Kg		
002789-88-0	di-p-Tolylacetylene	290	J			19.4	ug/Kg		
000243-17-4	11H-Benzo[b]fluorene	520	J			20.5	ug/Kg		
000192-97-2	Benzo[e]pyrene	310	J			24.9	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064606.D
 Acq On : 28 Oct 2025 17:54
 Operator : RC/JU
 Sample : Q3419-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR132-S16-094119-20251021

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/29/2025
 Supervised By :Jagrut Upadhyay 10/29/2025

Quant Time: Oct 28 18:29:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	35915	20.000	ng	0.00
21) Naphthalene-d8	11.037	136	132339	20.000	ng	-0.02
39) Acenaphthene-d10	14.839	164	98576	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	222776	20.000	ng	0.00
76) Chrysene-d12	21.848	240	285835	20.000	ng	-0.02
86) Perylene-d12	25.185	264	312112	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	181180	84.675	ng	0.00
7) Phenol-d6	7.347	99	224152	76.343	ng	0.00
23) Nitrobenzene-d5	9.380	82	129605	58.822	ng	0.00
42) 2,4,6-Tribromophenol	16.313	330	117414	82.526	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	302185	46.465	ng	0.00
79) Terphenyl-d14	20.168	244	662203	43.721	ng	0.00
Target Compounds						
52) Acenaphthene	14.903	154	16489	2.892	ng	93
55) Dibenzofuran	15.232	168	31228	3.388	ng	# 96
58) Fluorene	15.879	166	67155	9.330	ng	95
71) Phenanthrene	17.618	178	763136	62.641	ng	99
72) Anthracene	17.706	178	540820	43.640	ng	100
73) Carbazole	17.964	167	141763	12.972	ng	98
75) Fluoranthene	19.615	202	1119221	73.335	ng	99
78) Pyrene	19.974	202	724689	38.805	ng	99
81) Benzo(a)anthracene	21.830	228	288604	15.228	ng	100
83) Chrysene	21.895	228	306600	17.002	ng	98
84) Bis(2-ethylhexyl)phtha...	21.736	149	20966	2.486	ng	# 95
88) Benzo(b)fluoranthene	24.134	252	125529	6.559	ng	98
89) Benzo(k)fluoranthene	24.192	252	52630m	2.748	ng	
90) Benzo(a)pyrene	25.027	252	78762	4.477	ng	99

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

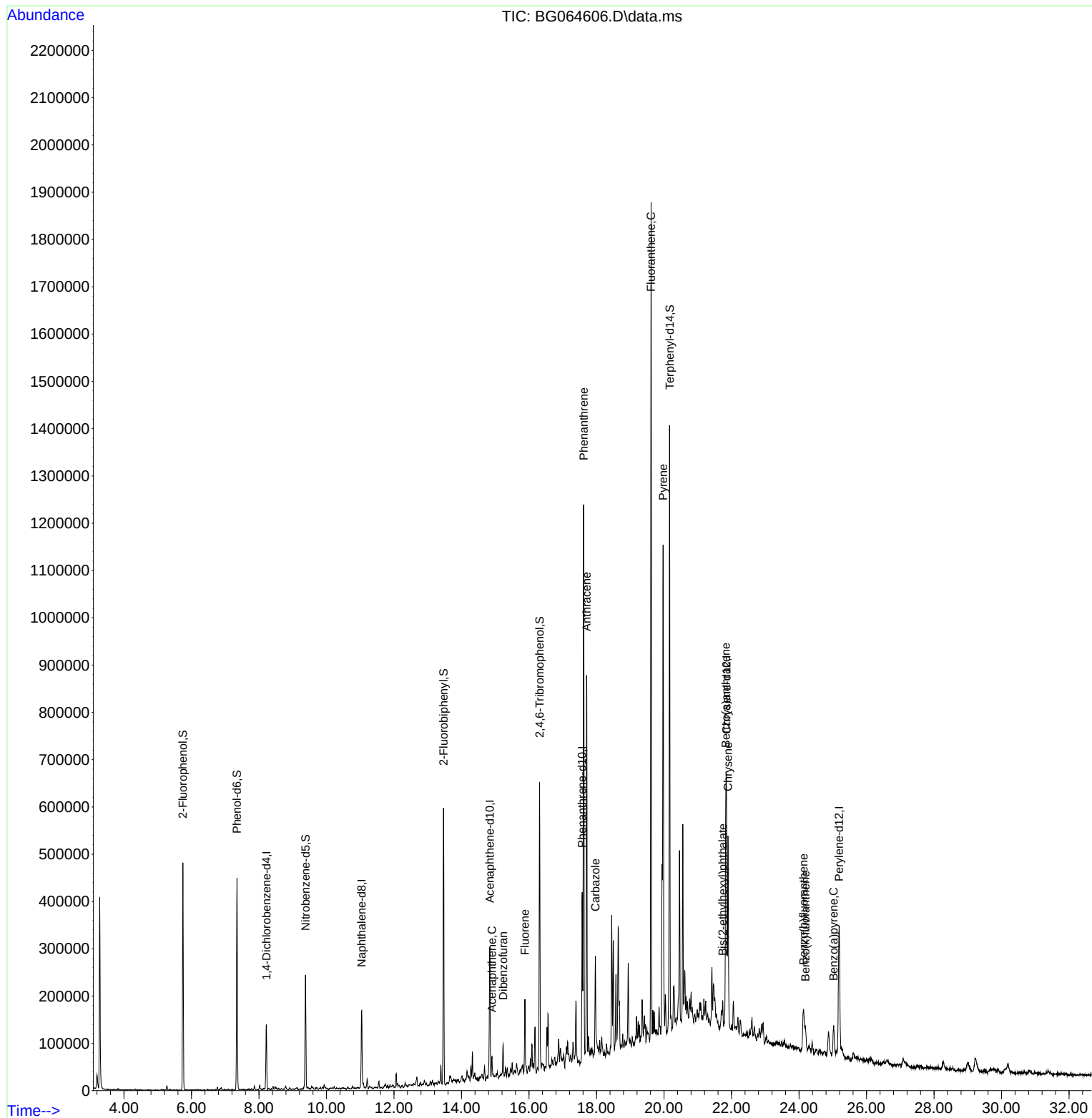
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Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

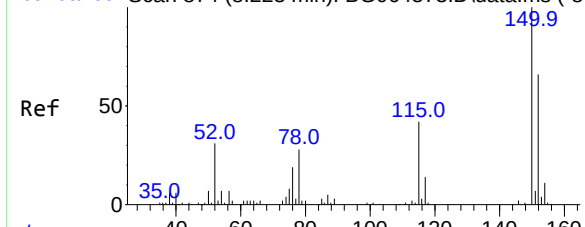
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

Quant Time: Oct 28 18:29:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



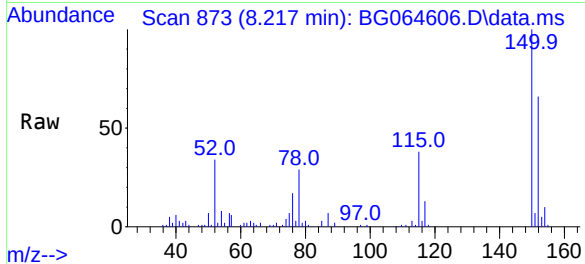
Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

m/z--> Abundance Scan 873 (8.217 min): BG064606.D\data.ms

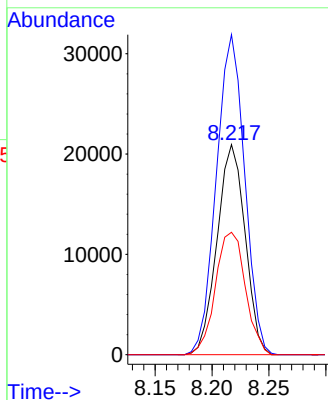
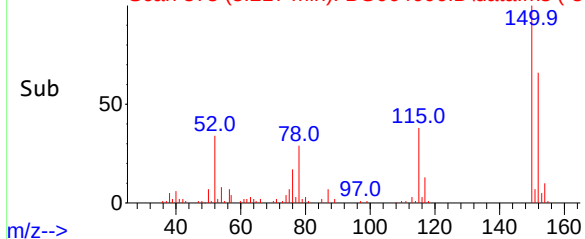


Tgt Ion:152 Resp: 3591
Ion Ratio Lower Upper
152 100
150 152.3 122.2 183.4
115 58.3 50.8 76.2

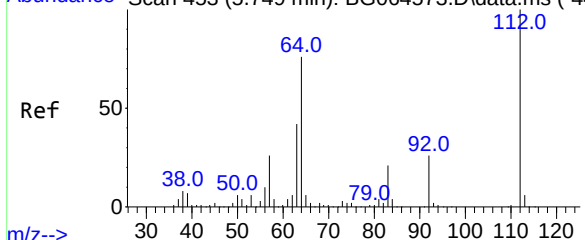
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

Abundance Scan 873 (8.217 min): BG064606.D\data.ms (-85



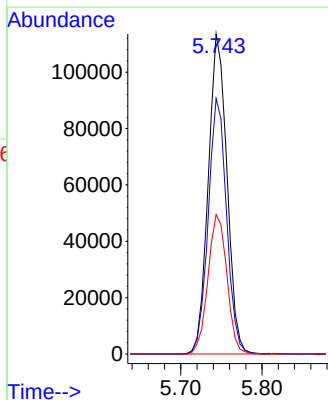
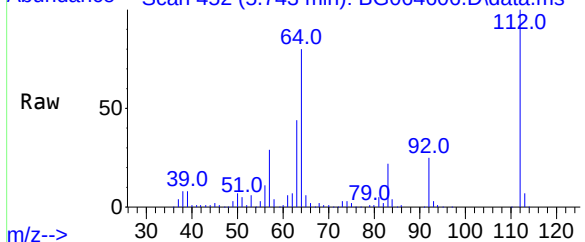
Abundance Scan 453 (5.749 min): BG064573.D\data.ms (-44



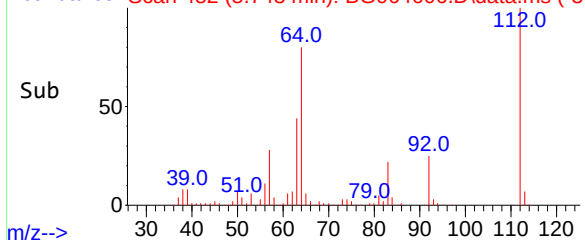
#5
2-Fluorophenol
Concen: 84.675 ng
RT: 5.743 min Scan# 452
Delta R.T. -0.004 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

Tgt Ion:112 Resp: 181180
Ion Ratio Lower Upper
112 100
64 79.8 60.7 91.1
63 43.5 33.4 50.0

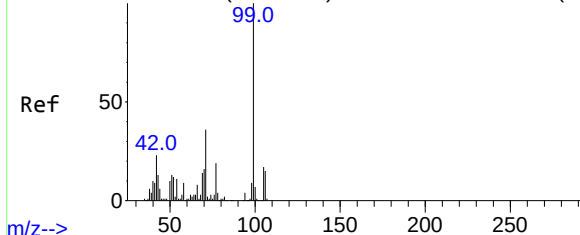
m/z--> Abundance Scan 452 (5.743 min): BG064606.D\data.ms



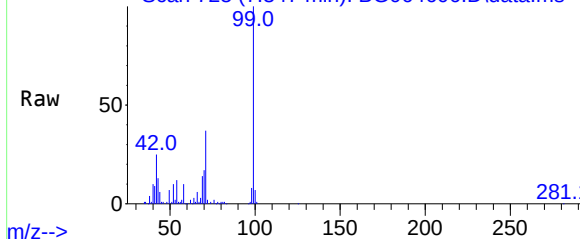
Abundance Scan 452 (5.743 min): BG064606.D\data.ms (-36



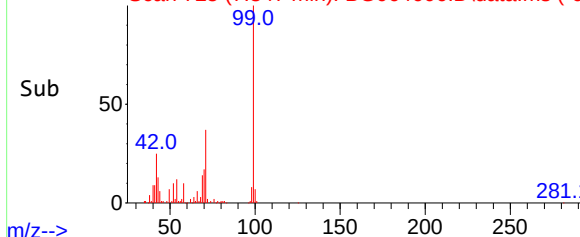
Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



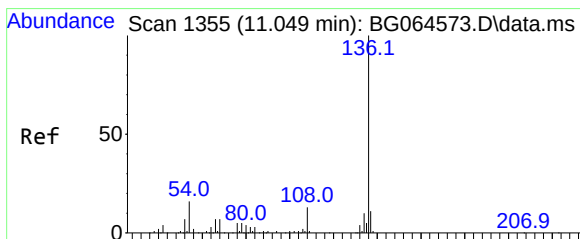
m/z--> Abundance Scan 725 (7.347 min): BG064606.D\data.ms



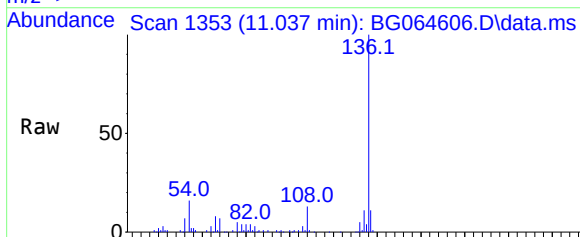
m/z--> Abundance Scan 725 (7.347 min): BG064606.D\data.ms (-63



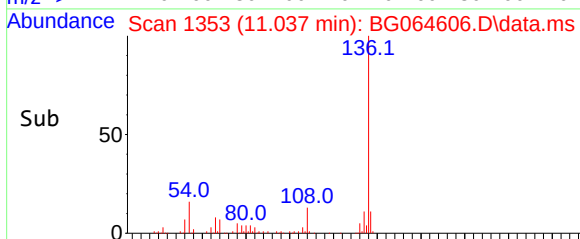
m/z--> Abundance Scan 1355 (11.049 min): BG064573.D\data.ms (-



m/z--> Abundance Scan 1353 (11.037 min): BG064606.D\data.ms



m/z--> Abundance Scan 1353 (11.037 min): BG064606.D\data.ms (-



m/z--> Abundance

#7

Phenol-d6

Concen: 76.343 ng

RT: 7.347 min Scan# 71

Delta R.T. -0.009 min

Lab File: BG064606.D

Acq: 28 Oct 2025 17:54

Tgt Ion: 99 Resp: 22415

Ion Ratio Lower Upper

99 100

42 25.0 18.3 27.5

71 37.5 28.6 43.0

Instrument :

BNA_G

ClientSampleId :

PR132-S16-094119-20251021

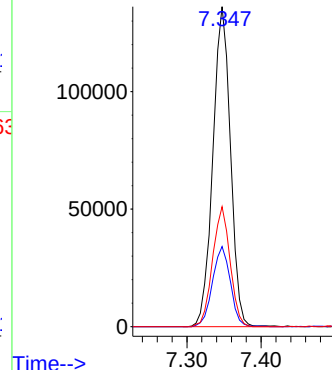
Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025

Abundance



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.037 min Scan# 1353

Delta R.T. -0.015 min

Lab File: BG064606.D

Acq: 28 Oct 2025 17:54

Tgt Ion:136 Resp: 132339

Ion Ratio Lower Upper

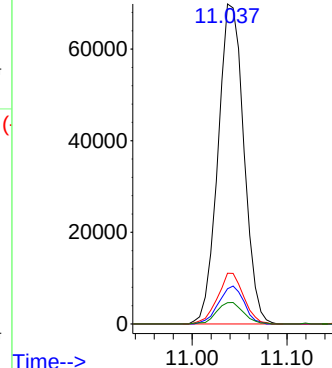
136 100

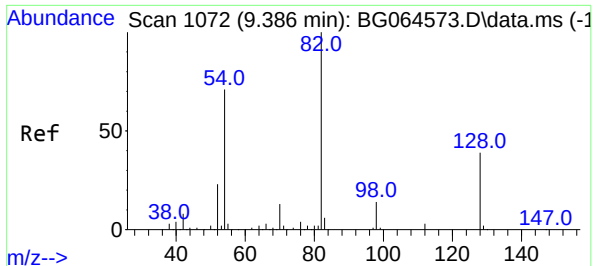
137 11.0 9.2 13.8

54 15.9 12.6 19.0

68 6.7 5.7 8.5

Abundance





#23

Nitrobenzene-d5

Concen: 58.822 ng

RT: 9.380 min Scan# 10

Delta R.T. -0.010 min

Lab File: BG064606.D

Acq: 28 Oct 2025 17:54

Instrument :

BNA_G

ClientSampleId :

PR132-S16-094119-20251021

Tgt Ion: 82 Resp: 12960

Ion Ratio Lower Upper

82 100

128 40.0 31.3 46.9

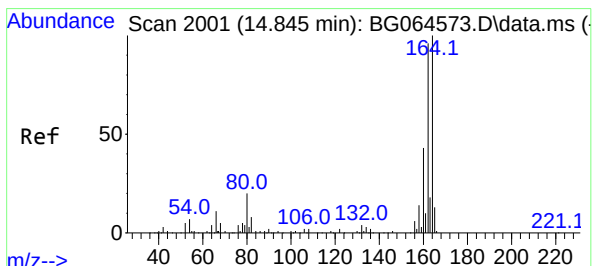
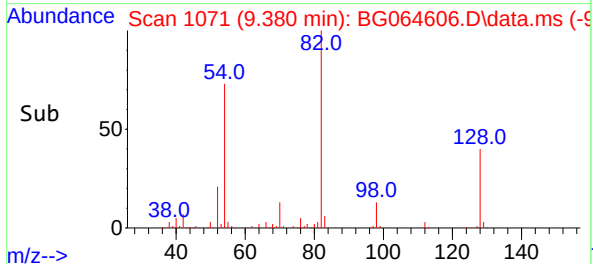
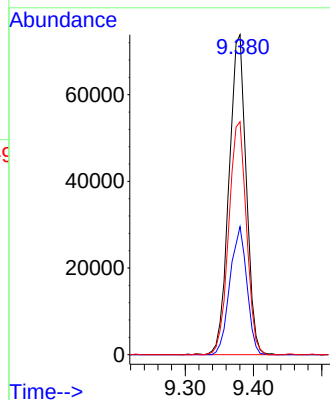
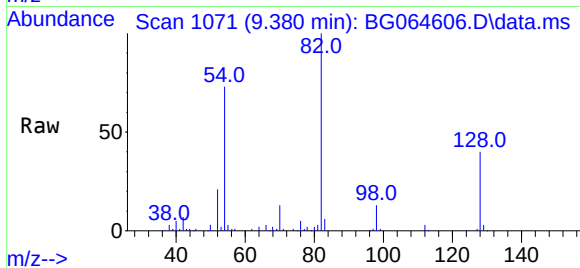
54 72.8 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 2000

Delta R.T. -0.004 min

Lab File: BG064606.D

Acq: 28 Oct 2025 17:54

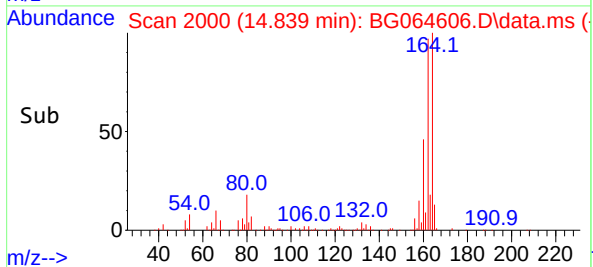
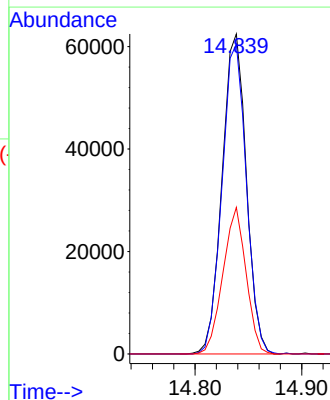
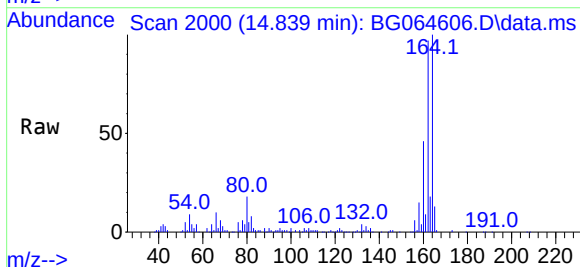
Tgt Ion:164 Resp: 98576

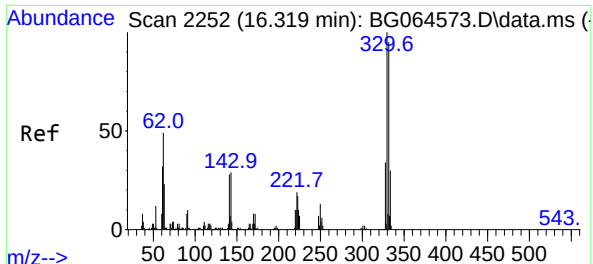
Ion Ratio Lower Upper

164 100

162 96.8 77.0 115.6

160 45.8 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 82.526 ng

RT: 16.313 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG064606.D

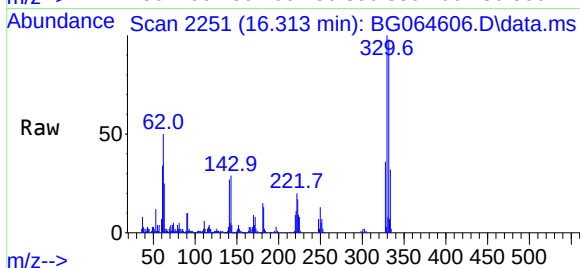
Acq: 28 Oct 2025 17:54

Instrument :

BNA_G

ClientSampleId :

PR132-S16-094119-20251021



Tgt Ion:330 Resp: 117414

Ion Ratio Lower Upper

330 100

332 98.2 78.0 117.0

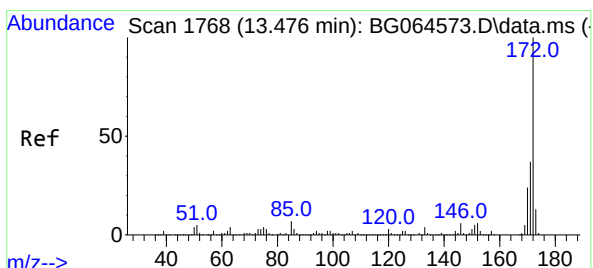
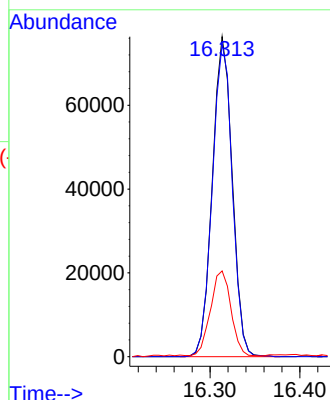
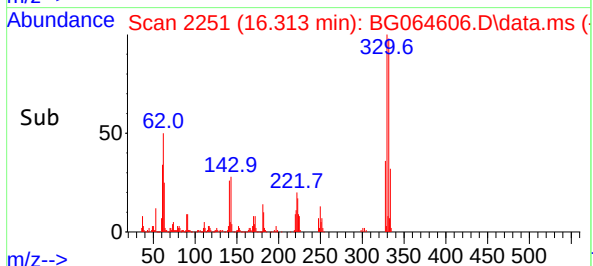
141 27.2 21.8 32.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#45

2-Fluorobiphenyl

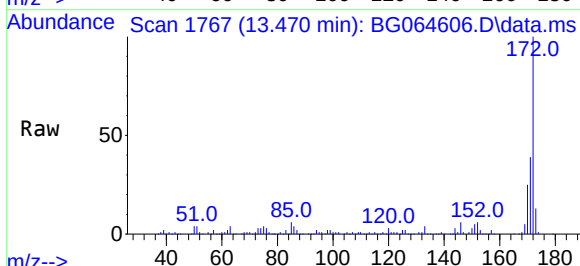
Concen: 46.465 ng

RT: 13.470 min Scan# 1767

Delta R.T. -0.009 min

Lab File: BG064606.D

Acq: 28 Oct 2025 17:54



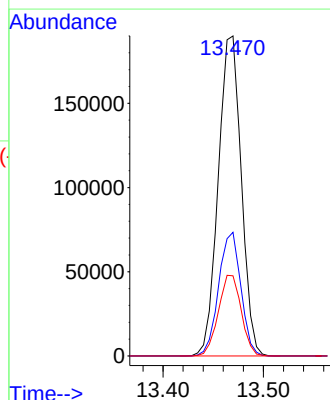
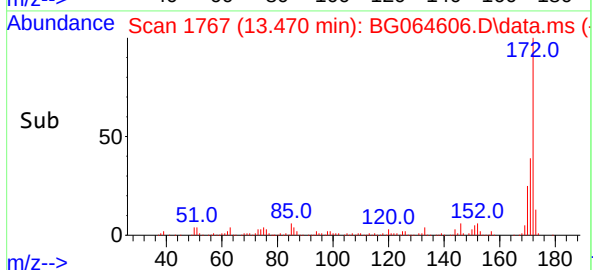
Tgt Ion:172 Resp: 302185

Ion Ratio Lower Upper

172 100

171 38.7 29.4 44.0

170 25.0 19.1 28.7



Abundance Scan 2012 (14.909 min): BG064573.D\data.ms (

#52

Acenaphthene

Concen: 2.892 ng

RT: 14.903 min Scan# 2012

Delta R.T. -0.009 min

Lab File: BG064606.D

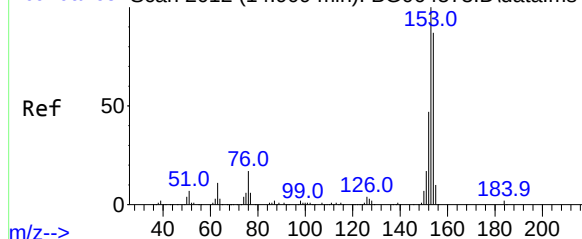
Acq: 28 Oct 2025 17:54

Instrument :

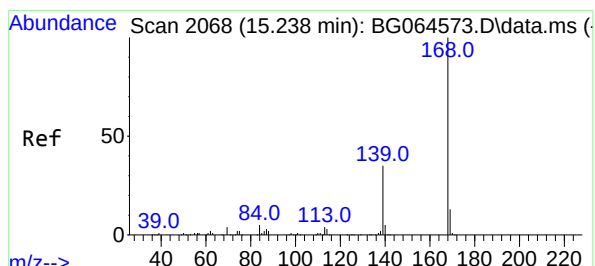
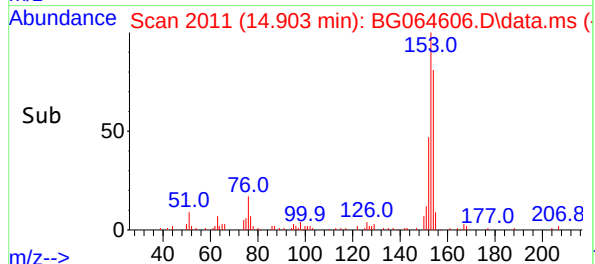
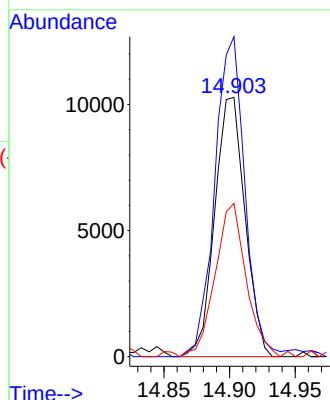
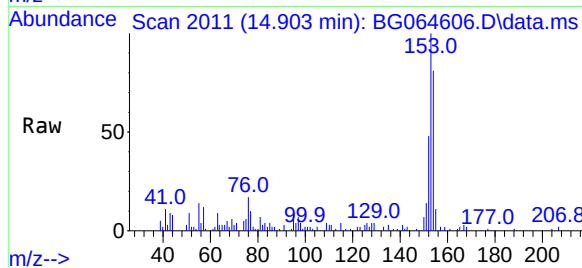
BNA_G

ClientSampleId :

PR132-S16-094119-20251021



Tgt Ion:	154	Resp:	16489
Ion Ratio	Lower	Upper	
154	100		
153	123.4	92.2	138.4
152	59.1	43.2	64.8

Manual Integrations
APPROVEDReviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

#55

Dibenzofuran

Concen: 3.388 ng

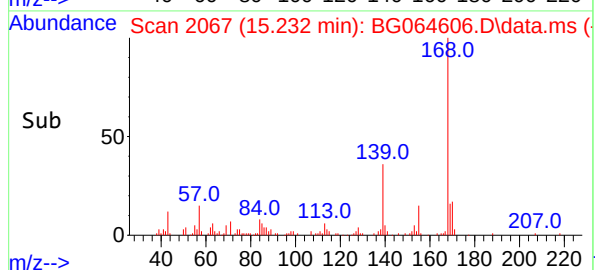
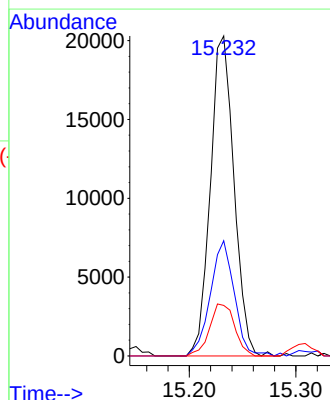
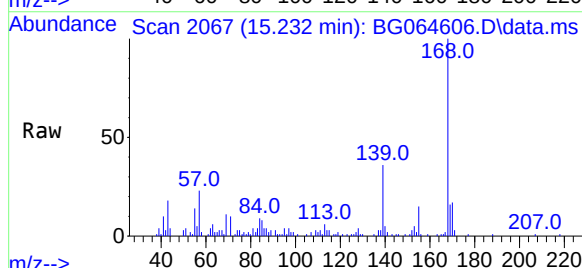
RT: 15.232 min Scan# 2067

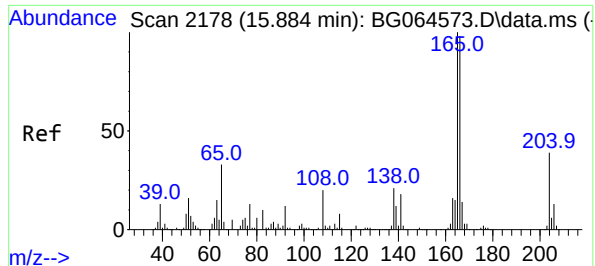
Delta R.T. -0.009 min

Lab File: BG064606.D

Acq: 28 Oct 2025 17:54

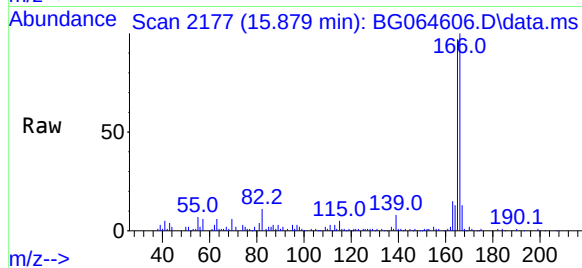
Tgt Ion:	168	Resp:	31228
Ion Ratio	Lower	Upper	
168	100		
139	36.0	27.8	41.8
169	15.8	10.3	15.5#





#58
Fluorene
Concen: 9.330 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

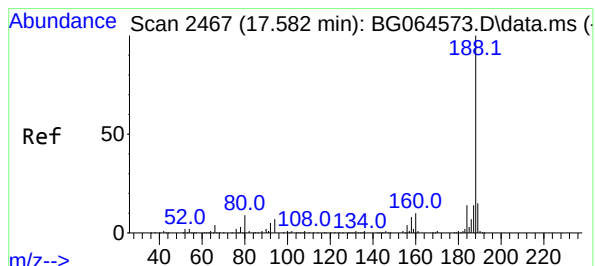
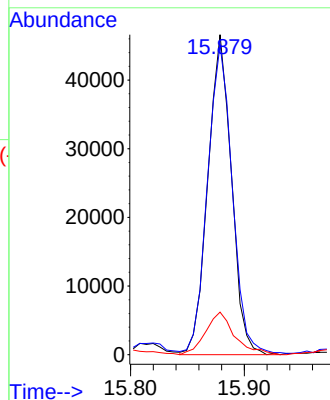
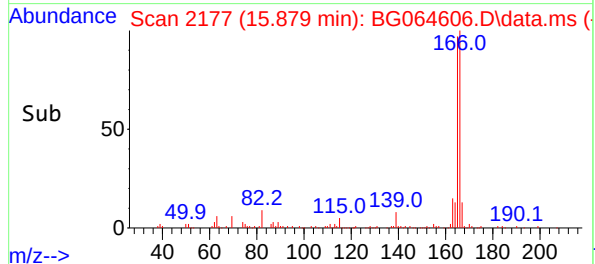
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



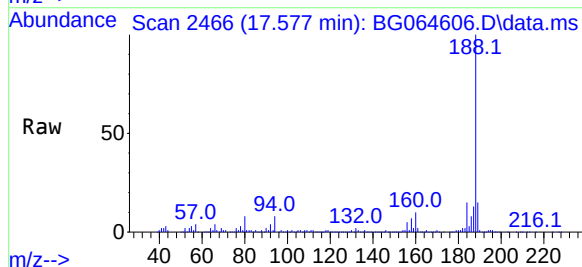
Tgt Ion:166 Resp: 6715
Ion Ratio Lower Upper
166 100
165 96.9 81.5 122.3
167 13.3 11.4 17.0

Manual Integrations
APPROVED

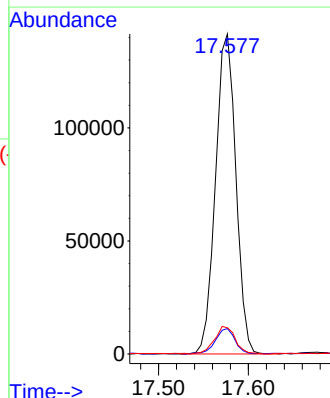
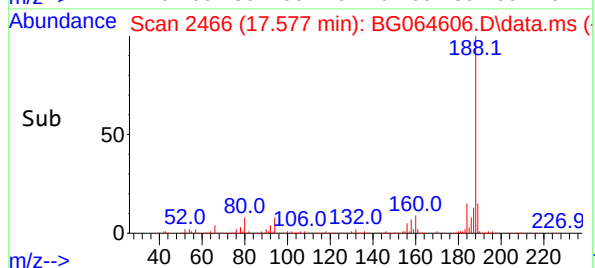
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

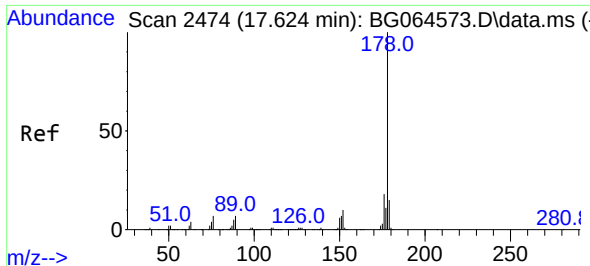


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54



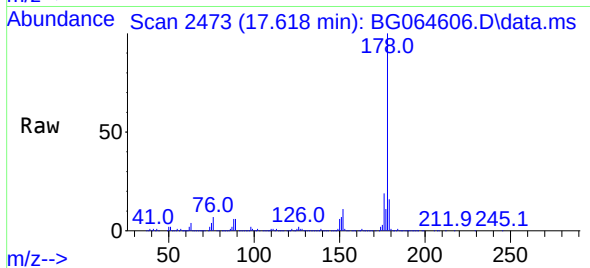
Tgt Ion:188 Resp: 222776
Ion Ratio Lower Upper
188 100
94 7.9 5.7 8.5
80 8.2 6.8 10.2





#71
Phenanthrene
Concen: 62.641 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

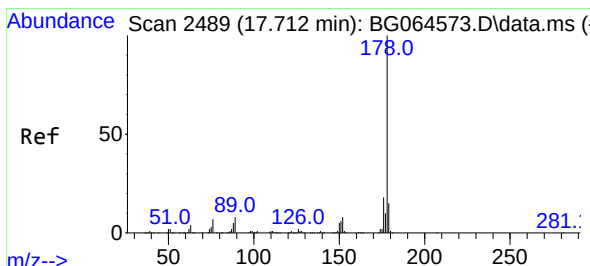
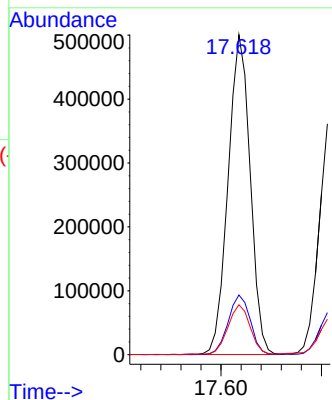
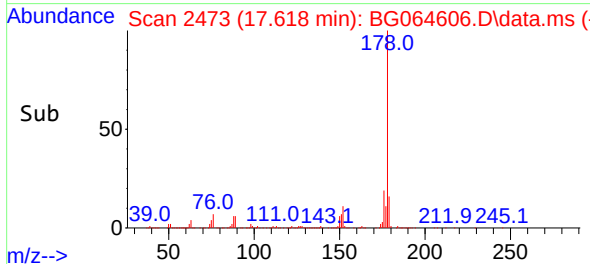
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



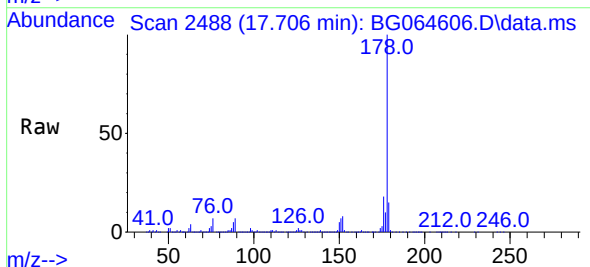
Tgt Ion:178 Resp: 763130
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.6 12.2 18.4

Manual Integrations
APPROVED

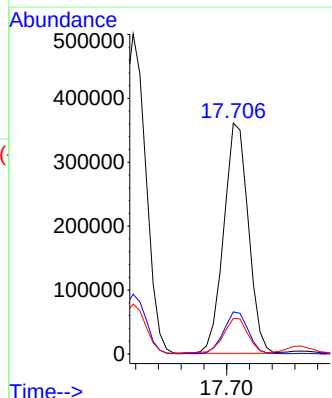
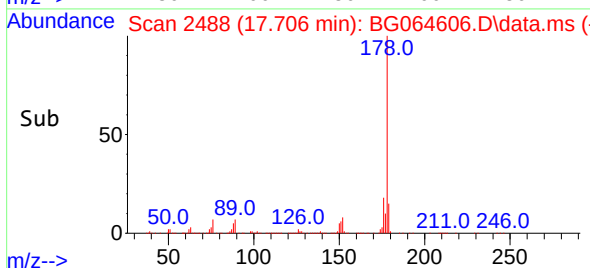
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

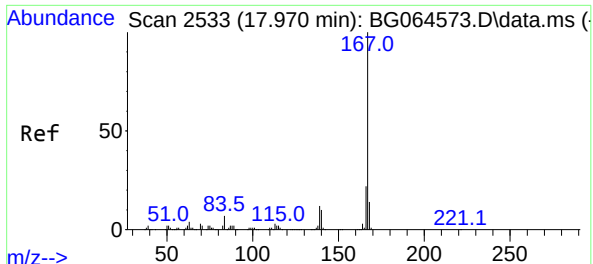


#72
Anthracene
Concen: 43.640 ng
RT: 17.706 min Scan# 2488
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54



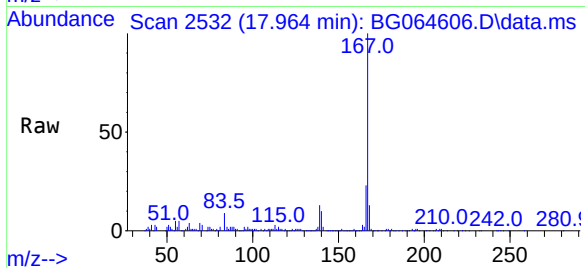
Tgt Ion:178 Resp: 540820
Ion Ratio Lower Upper
178 100
176 18.2 14.4 21.6
179 15.4 12.4 18.6





#73
Carbazole
Concen: 12.972 ng
RT: 17.964 min Scan# 2533
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

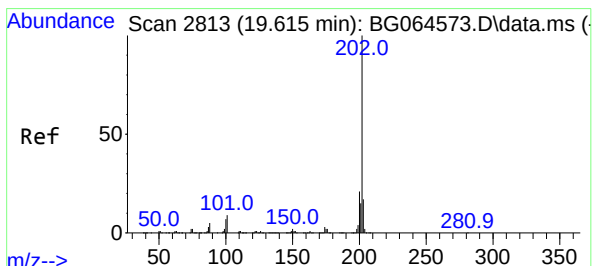
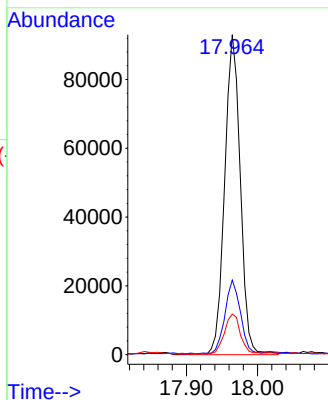
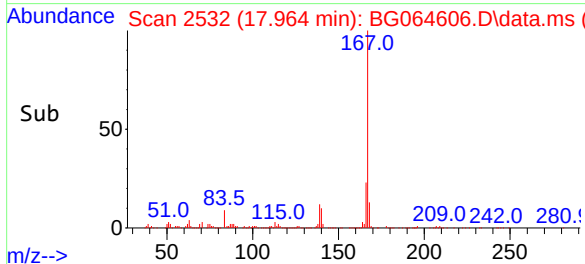
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



Tgt Ion:167 Resp: 14176
Ion Ratio Lower Upper
167 100
166 23.3 17.9 26.9
139 12.7 9.7 14.5

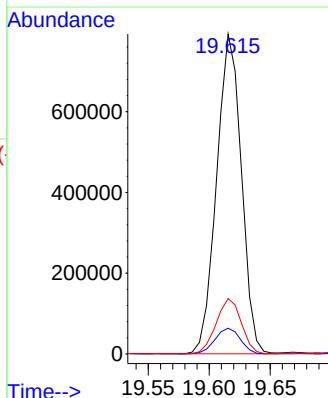
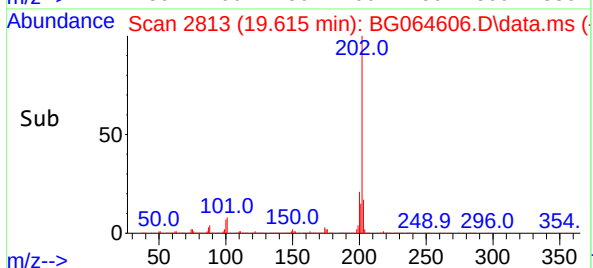
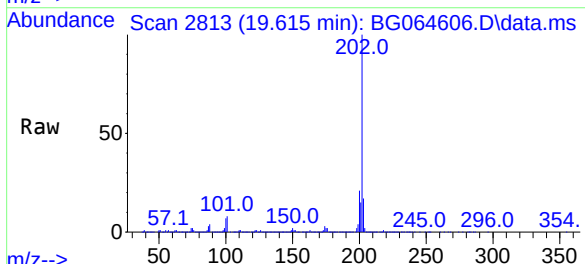
Manual Integrations
APPROVED

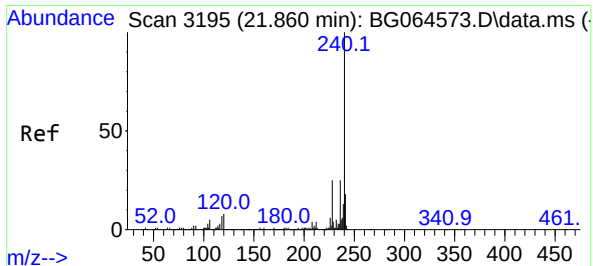
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#75
Fluoranthene
Concen: 73.335 ng
RT: 19.615 min Scan# 2813
Delta R.T. -0.004 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

Tgt Ion:202 Resp: 1119221
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.7
203 17.3 0.0 37.0





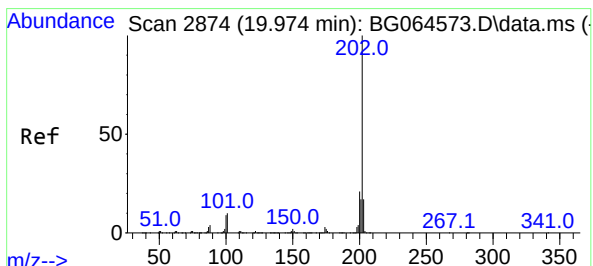
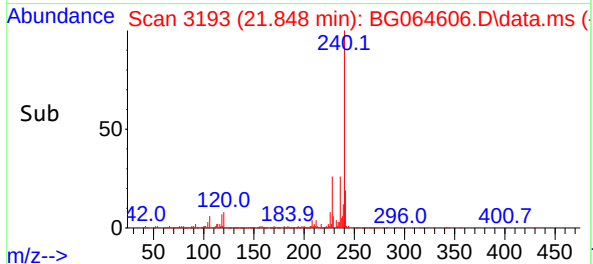
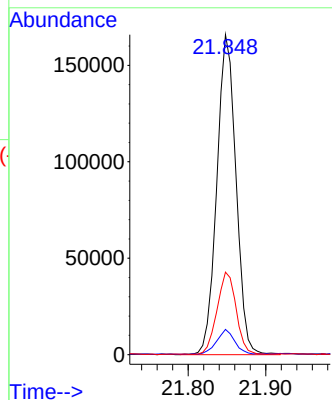
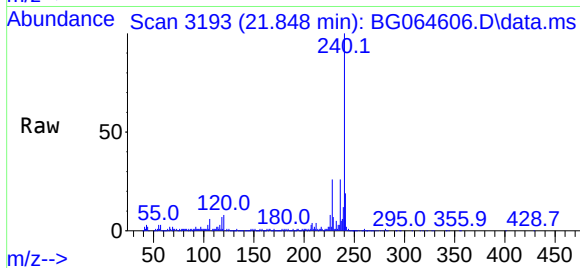
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

Tgt Ion:240 Resp: 285835
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 25.8 20.2 30.2

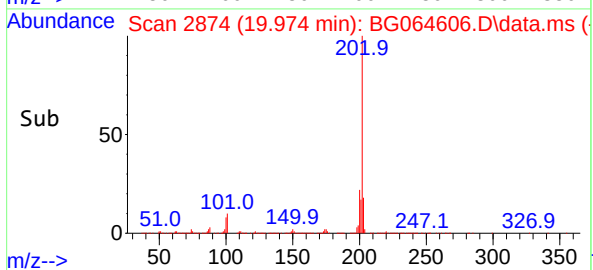
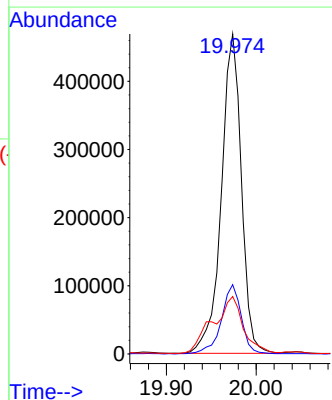
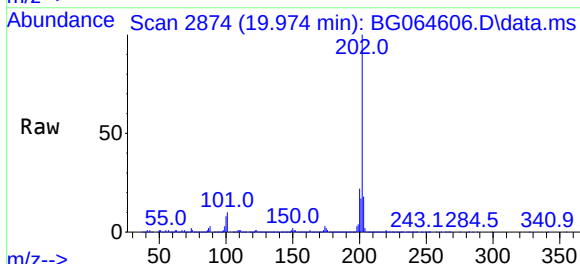
Manual Integrations
APPROVED

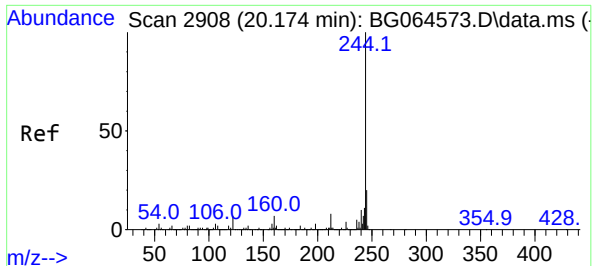
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#78
Pyrene
Concen: 38.805 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.004 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

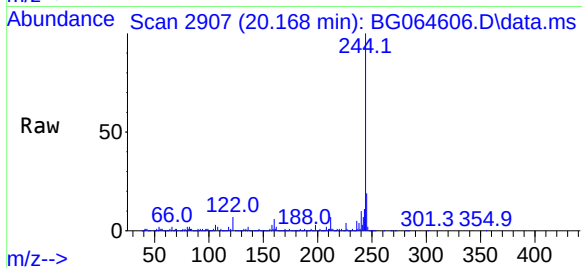
Tgt Ion:202 Resp: 724689
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 17.9 13.8 20.6





#79
Terphenyl-d14
Concen: 43.721 ng
RT: 20.168 min Scan# 2907
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

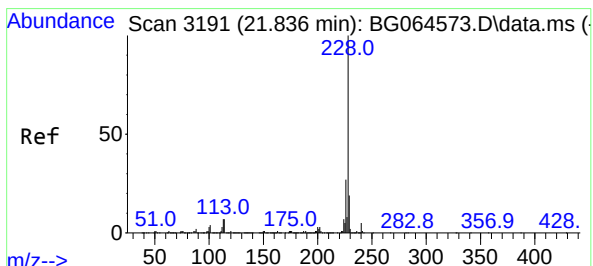
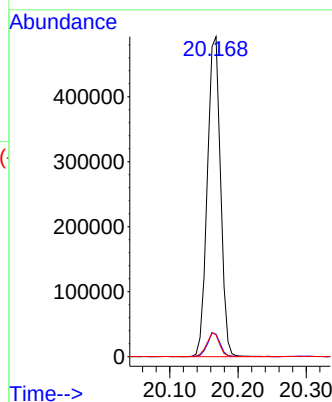
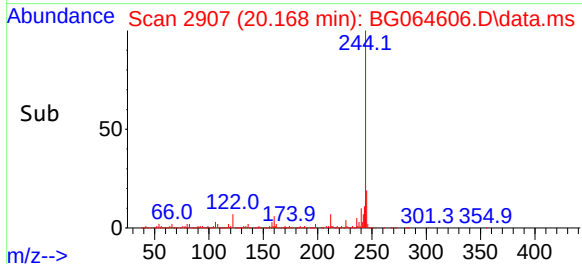
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



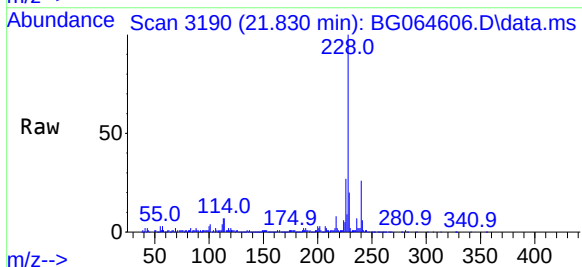
Tgt Ion:244 Resp: 66220
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 6.8 5.6 8.4

Manual Integrations
APPROVED

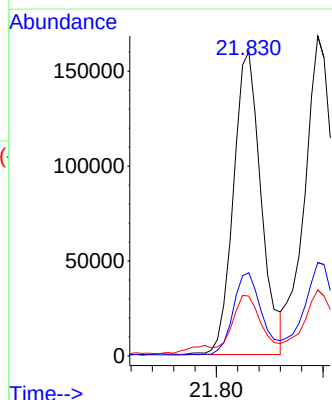
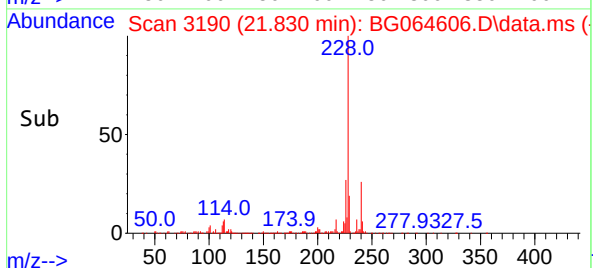
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

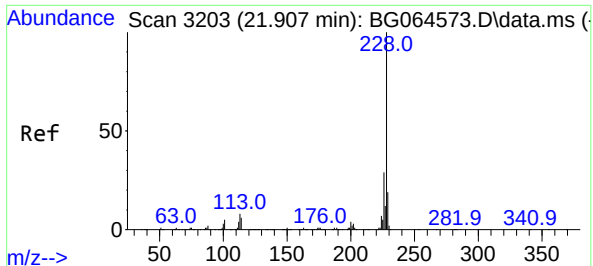


#81
Benzo(a)anthracene
Concen: 15.228 ng
RT: 21.830 min Scan# 3190
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54



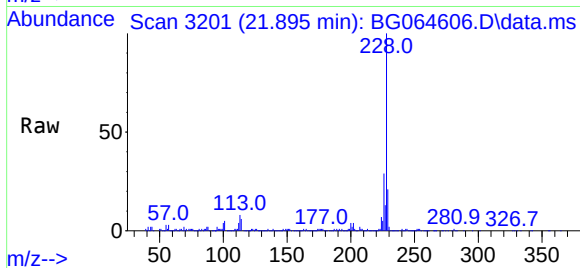
Tgt Ion:228 Resp: 288604
Ion Ratio Lower Upper
228 100
226 27.4 21.9 32.9
229 19.7 15.6 23.4





#83
Chrysene
Concen: 17.002 ng
RT: 21.895 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

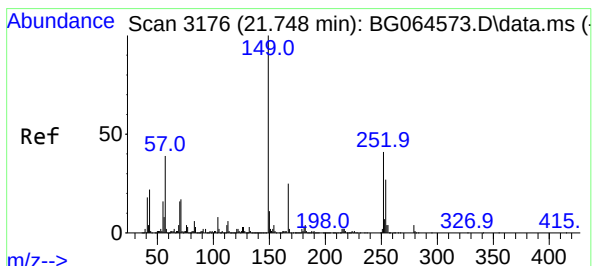
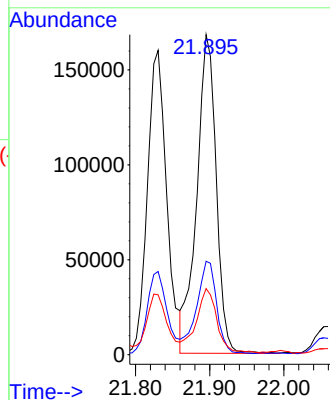
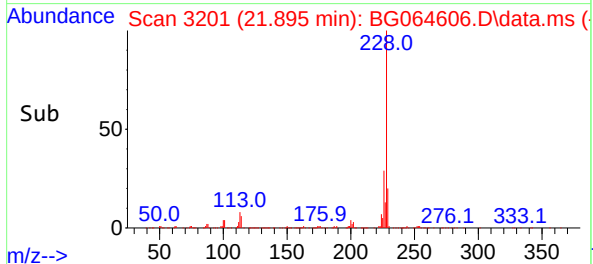
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



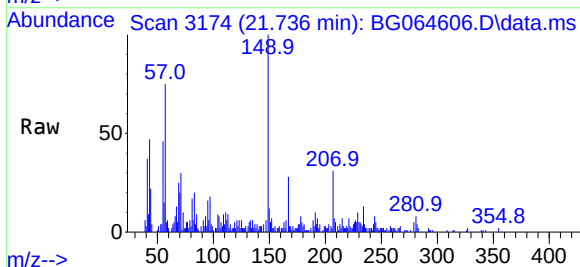
Tgt Ion:228 Resp: 306600
Ion Ratio Lower Upper
228 100
226 29.2 23.3 34.9
229 20.7 15.2 22.8

Manual Integrations
APPROVED

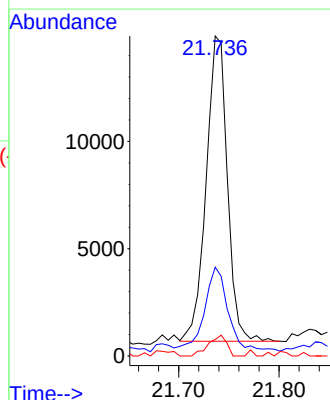
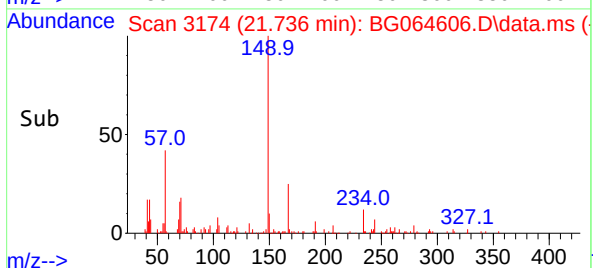
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

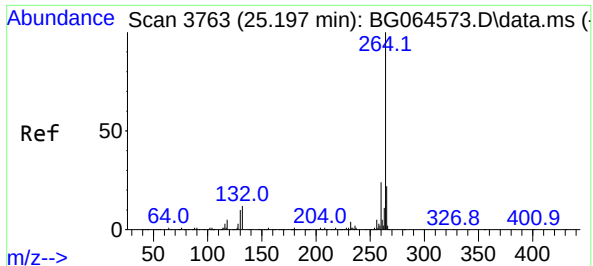


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.486 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54



Tgt Ion:149 Resp: 20966
Ion Ratio Lower Upper
149 100
167 27.7 20.0 30.0
279 5.2 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.185 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG064606.D

Acq: 28 Oct 2025 17:54

Instrument :

BNA_G

ClientSampleId :

PR132-S16-094119-20251021

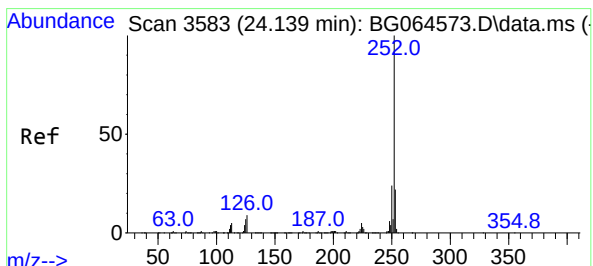
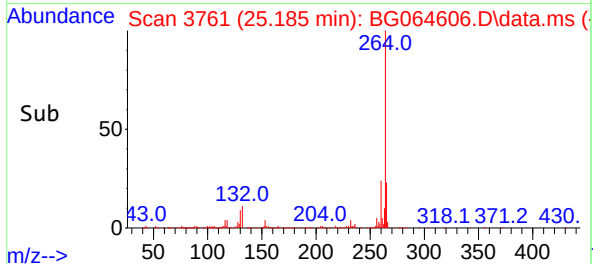
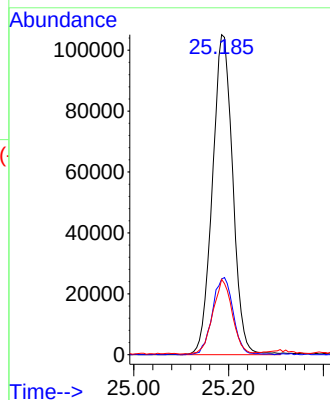
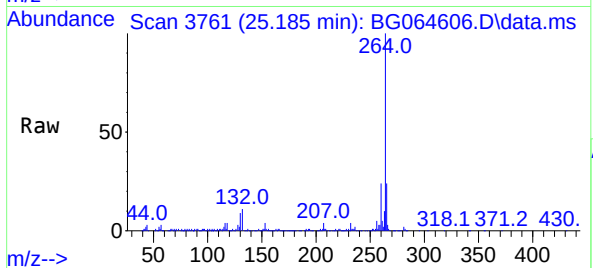
Tgt Ion:264	Resp:	31211
Ion Ratio	Lower	Upper
264	100	
260	23.6	19.0 28.4
265	23.6	17.6 26.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#88

Benzo(b)fluoranthene

Concen: 6.559 ng

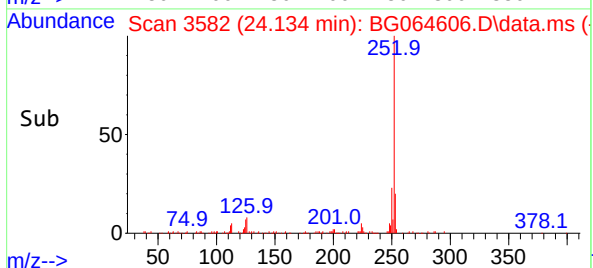
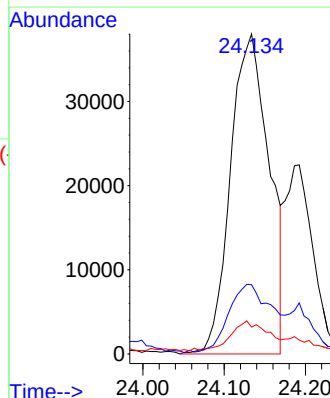
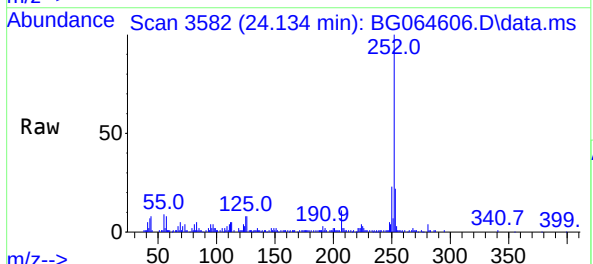
RT: 24.134 min Scan# 3582

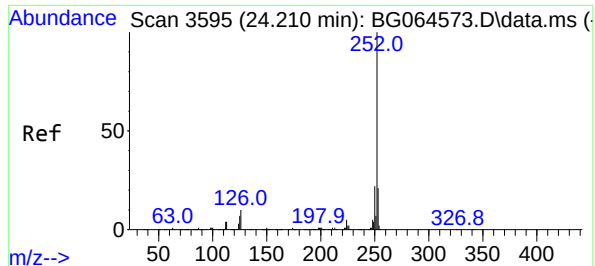
Delta R.T. -0.009 min

Lab File: BG064606.D

Acq: 28 Oct 2025 17:54

Tgt Ion:252	Resp:	125529
Ion Ratio	Lower	Upper
252	100	
253	21.7	17.8 26.8
125	8.4	5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 2.748 ng m

RT: 24.192 min Scan# 3

Delta R.T. -0.027 min

Lab File: BG064606.D

Acq: 28 Oct 2025 17:54

Instrument :

BNA_G

ClientSampleId :

PR132-S16-094119-20251021

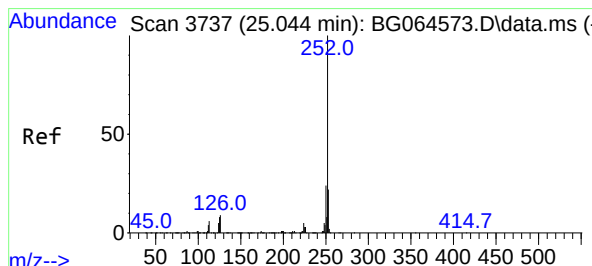
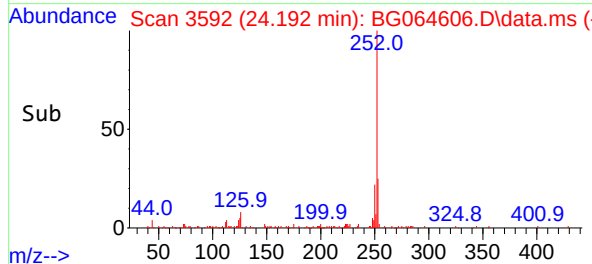
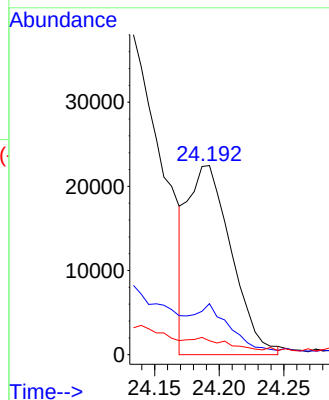
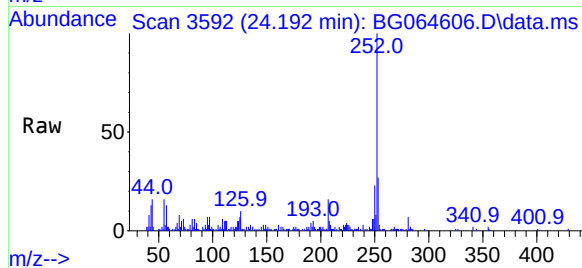
Tgt Ion:252	Resp:	52630
Ion Ratio	Lower	Upper
252	100	
253	27.0	16.8 25.2
125	7.4	5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#90

Benzo(a)pyrene

Concen: 4.477 ng

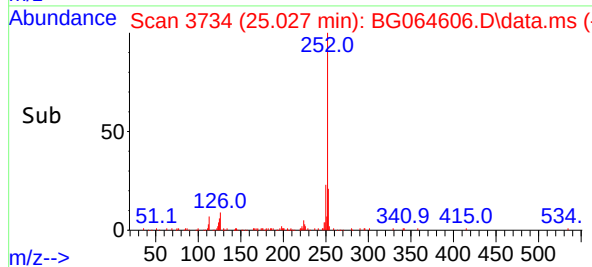
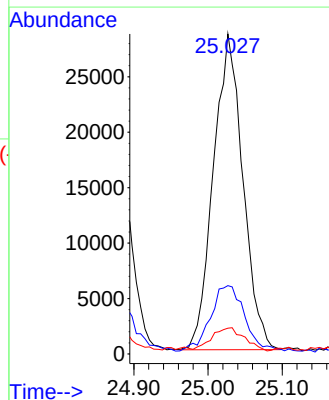
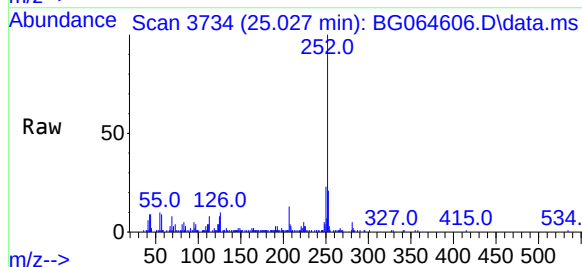
RT: 25.027 min Scan# 3734

Delta R.T. -0.033 min

Lab File: BG064606.D

Acq: 28 Oct 2025 17:54

Tgt Ion:252	Resp:	78762
Ion Ratio	Lower	Upper
252	100	
253	21.3	17.6 26.4
125	8.1	6.1 9.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064606.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.199	12	19	27	rBV2	29770	66399	2.64%	0.255%
2	3.282	27	33	51	rVB	406192	679771	26.98%	2.609%
3	5.743	445	452	462	rBV	481470	769823	30.55%	2.955%
4	7.347	714	725	735	rBV	448764	767548	30.46%	2.946%
5	8.217	866	873	879	rVB	137314	241427	9.58%	0.927%
6	9.380	1061	1071	1078	rBV	240396	434486	17.24%	1.668%
7	11.043	1342	1354	1359	rBV	164402	324047	12.86%	1.244%
8	11.202	1377	1381	1387	rVB2	20640	35503	1.41%	0.136%
9	11.554	1431	1441	1446	rVB3	15087	28448	1.13%	0.109%
10	12.065	1523	1528	1531	rBV	27860	42857	1.70%	0.165%
11	12.676	1623	1632	1640	rVB6	18288	46542	1.85%	0.179%
12	13.387	1747	1753	1759	rVB	41042	60848	2.42%	0.234%
13	13.464	1759	1766	1774	rVB	584500	939072	37.27%	3.605%
14	14.280	1900	1905	1908	rBV4	30375	50313	2.00%	0.193%
15	14.322	1908	1912	1917	rVB	56888	76859	3.05%	0.295%
16	14.680	1969	1973	1978	rVB3	30290	50414	2.00%	0.194%
17	14.839	1990	2000	2006	rBV	276428	484506	19.23%	1.860%
18	14.903	2006	2011	2015	rBV2	43217	72088	2.86%	0.277%
19	15.232	2062	2067	2072	rVB	67668	108649	4.31%	0.417%
20	15.362	2084	2089	2094	rVB5	18895	33163	1.32%	0.127%
21	15.450	2100	2104	2108	rBV5	15281	28274	1.12%	0.109%
22	15.503	2110	2113	2117	rVB4	25747	31854	1.26%	0.122%
23	15.638	2132	2136	2144	rVB10	24549	54210	2.15%	0.208%
24	15.879	2171	2177	2188	rVB2	156706	266084	10.56%	1.021%
25	16.043	2201	2205	2208	rBV4	26347	40615	1.61%	0.156%
26	16.084	2208	2212	2217	rVB	51041	78303	3.11%	0.301%
27	16.178	2223	2228	2234	rVB2	98008	171162	6.79%	0.657%
28	16.313	2244	2251	2259	rBV2	609606	988037	39.21%	3.792%
29	16.531	2283	2288	2290	rBV	86094	122700	4.87%	0.471%
30	16.560	2290	2293	2301	rVB	111899	169667	6.73%	0.651%
31	16.877	2344	2347	2352	rVB3	49004	75867	3.01%	0.291%
32	16.924	2352	2355	2362	rBV3	29183	60347	2.40%	0.232%
33	17.107	2378	2386	2389	rBV5	45145	110761	4.40%	0.425%
34	17.142	2390	2392	2396	rVB4	30583	43398	1.72%	0.167%
35	17.300	2415	2419	2427	rBV	40330	83476	3.31%	0.320%
36	17.389	2430	2434	2443	rVB2	131573	227436	9.03%	0.873%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.577	2460	2466	2469	rBV	355808	582436	23.12%	2.236%
38	17.618	2469	2473	2479	rVV	1172251	1765733	70.08%	6.778%
39	17.706	2483	2488	2494	rVV	806299	1208595	47.97%	4.639%
40	17.759	2494	2497	2504	rVB3	39812	71263	2.83%	0.274%
41	17.964	2527	2532	2543	rBV	204231	365482	14.51%	1.403%
42	18.094	2551	2554	2558	rBV2	26084	32458	1.29%	0.125%
43	18.152	2561	2564	2573	rVB5	40919	80911	3.21%	0.311%
44	18.293	2585	2588	2592	rBV4	22628	33065	1.31%	0.127%
45	18.452	2610	2615	2619	rBV	278688	420488	16.69%	1.614%
46	18.499	2619	2623	2628	rVB	231492	345790	13.72%	1.327%
47	18.575	2631	2636	2641	rBV	148499	210507	8.35%	0.808%
48	18.640	2642	2647	2651	rBV2	234269	408023	16.19%	1.566%
49	18.775	2667	2670	2676	rVB3	29521	39808	1.58%	0.153%
50	18.940	2693	2698	2703	rVB	163841	228133	9.05%	0.876%
51	19.181	2736	2739	2743	rBV2	46193	58119	2.31%	0.223%
52	19.233	2745	2748	2751	rVV	40566	52204	2.07%	0.200%
53	19.269	2752	2754	2757	rVB2	36527	40705	1.62%	0.156%
54	19.351	2764	2768	2774	rBV	75778	118425	4.70%	0.455%
55	19.492	2789	2792	2795	rBV	24867	32800	1.30%	0.126%
56	19.615	2807	2813	2819	rBV	1770813	2519542	100.00%	9.671%
57	19.668	2819	2822	2826	rVV2	52836	62684	2.49%	0.241%
58	19.709	2826	2829	2832	rVV5	45956	60747	2.41%	0.233%
59	19.850	2850	2853	2858	rBV	54645	81338	3.23%	0.312%
60	19.944	2863	2869	2870	rVV2	356927	516324	20.49%	1.982%
61	19.974	2870	2874	2882	rVV	1032471	1628086	64.62%	6.249%
62	20.038	2882	2885	2891	rVB2	82435	130552	5.18%	0.501%
63	20.162	2899	2906	2911	rBV	1269212	1833037	72.75%	7.036%
64	20.291	2923	2928	2934	rBV3	75577	184326	7.32%	0.708%
65	20.461	2952	2957	2962	rVB	358937	527613	20.94%	2.025%
66	20.555	2968	2973	2977	rBV	408205	550123	21.83%	2.112%
67	21.178	3077	3079	3085	rVB3	34898	41807	1.66%	0.160%
68	21.419	3116	3120	3124	rBV	103064	151803	6.03%	0.583%
69	21.460	3124	3127	3132	rBV2	55304	110049	4.37%	0.422%
70	21.842	3184	3192	3197	rBV2	527814	1445250	57.36%	5.547%
71	21.895	3197	3201	3213	rVB	408592	738717	29.32%	2.836%
72	22.054	3225	3228	3234	rVB3	58441	94571	3.75%	0.363%
73	24.134	3574	3582	3590	rBV2	83714	317928	12.62%	1.220%
74	24.874	3702	3708	3723	rVB	51100	165990	6.59%	0.637%
75	25.027	3728	3734	3742	rVB	58115	149927	5.95%	0.575%
76	25.185	3752	3761	3770	rBV	264271	749867	29.76%	2.878%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77 29.210 4440 4446 4447 rBV6 22346 32239 1.28% 0.124%

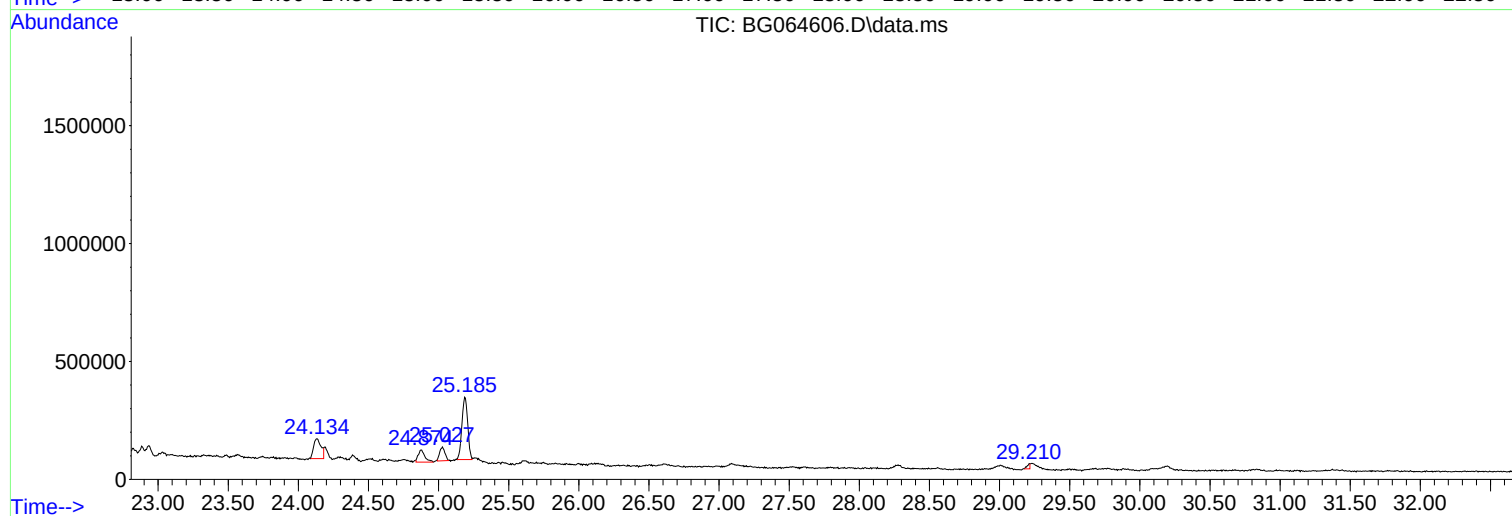
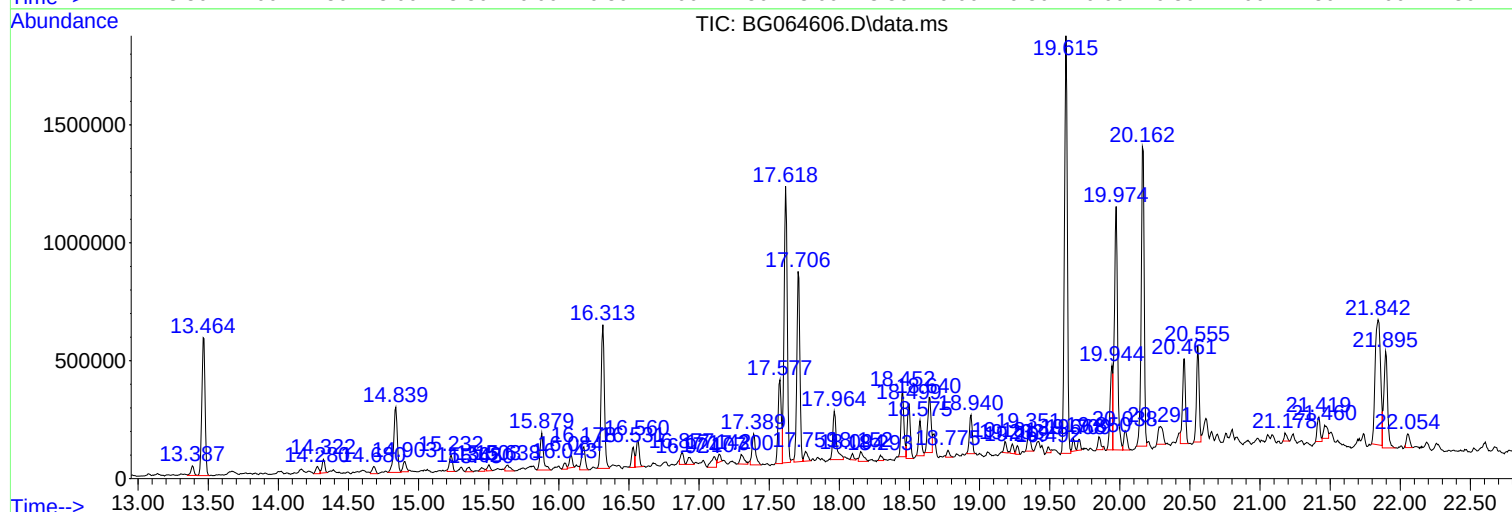
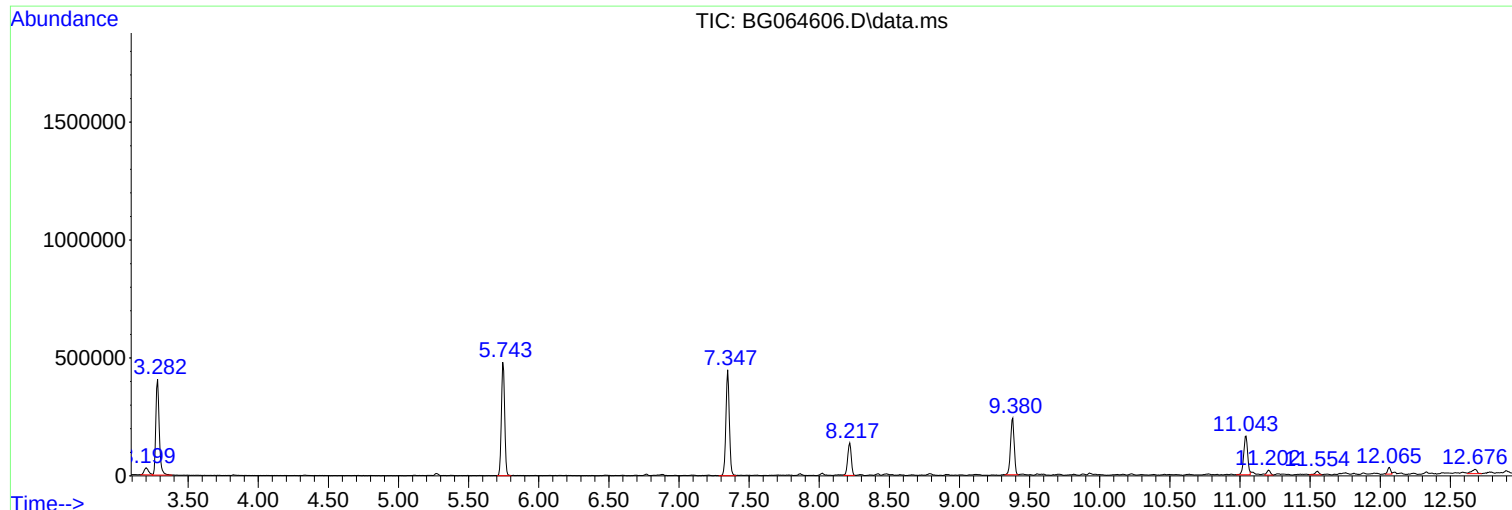
Sum of corrected areas: 26052419

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

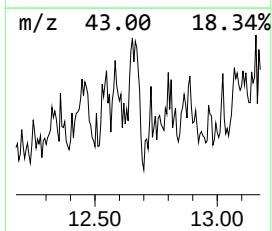
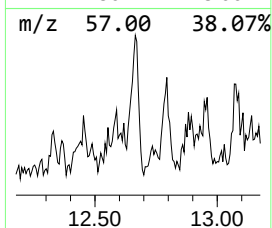
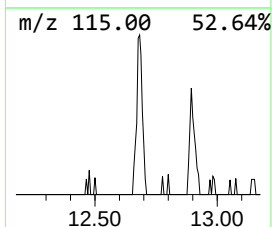
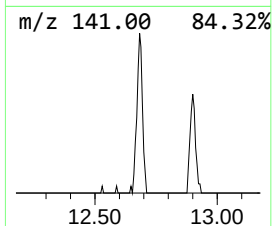
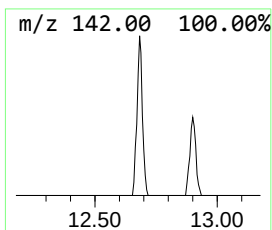
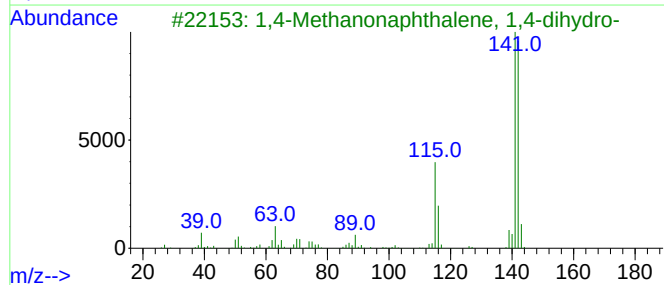
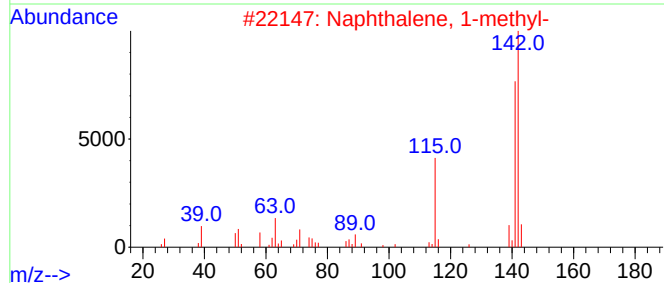
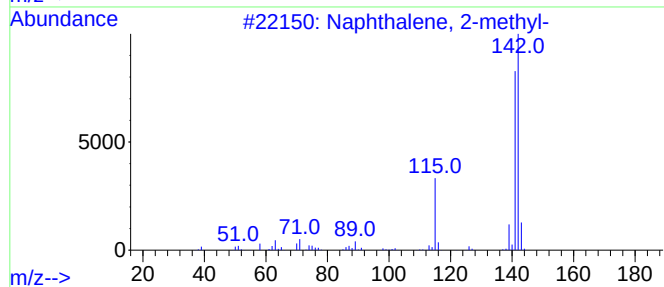
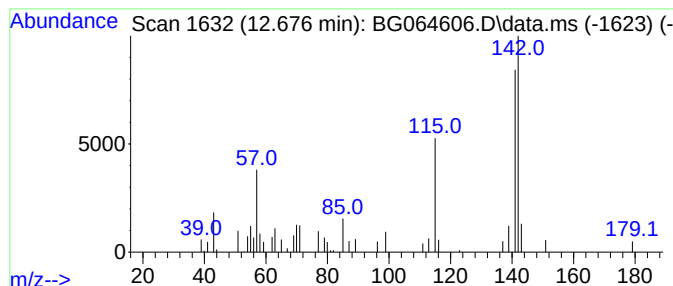
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.677	2.87 ng	46542	Naphthalene-d8	11.037

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87
3			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	83
4			Benzocycloheptatriene	142	C11H10	000264-09-5	68
5			Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

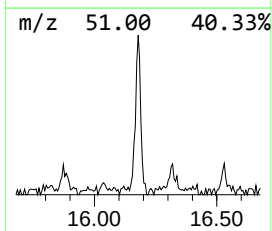
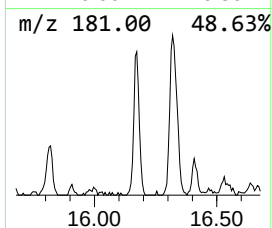
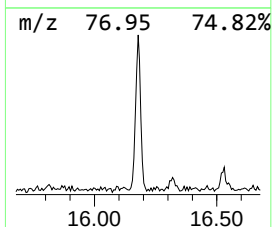
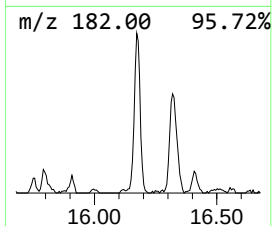
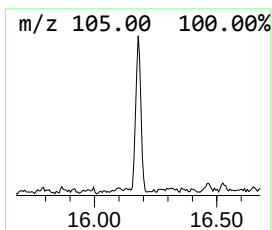
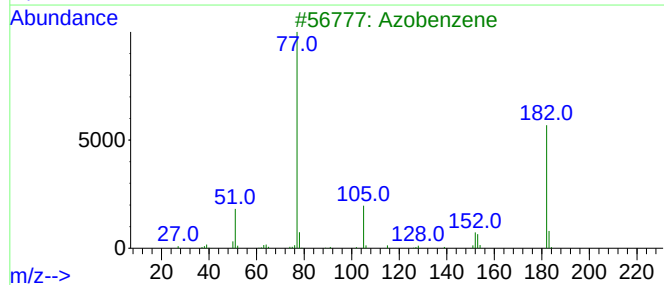
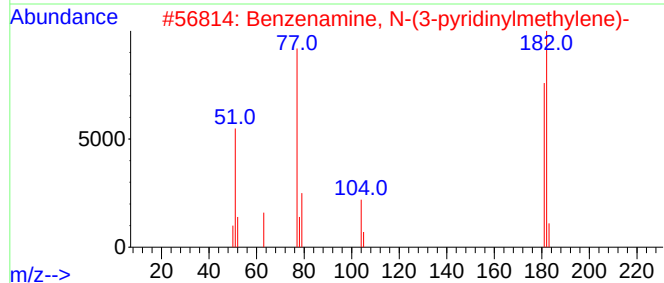
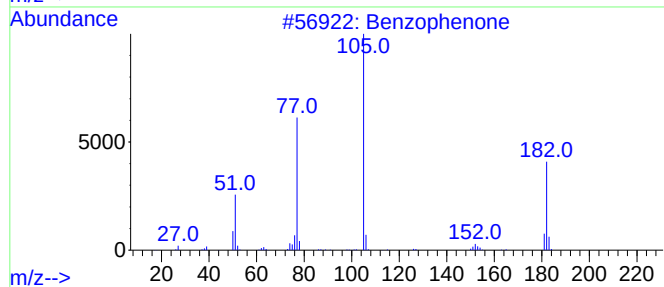
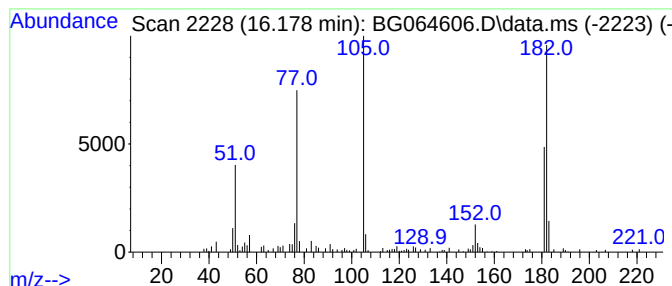
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzophenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.178	7.07 ng	171162	Acenaphthene-d10	14.839

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	91
2			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	80
3			Azobenzene	182	C12H10N2	000103-33-3	64
4			9H-Fluoren-3-ol	182	C13H10O	006344-67-8	43
5			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
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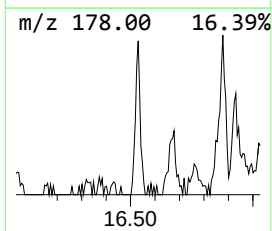
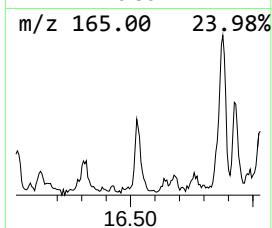
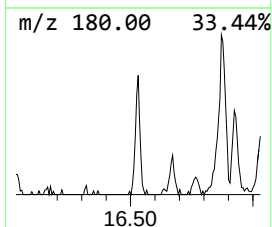
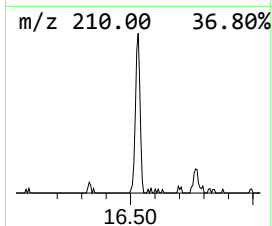
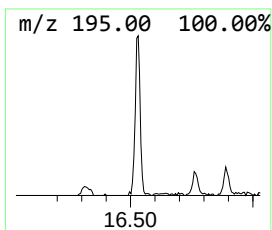
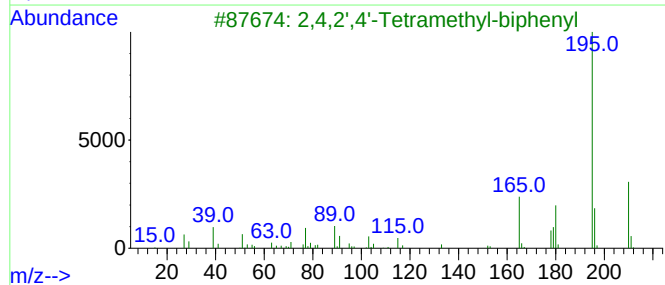
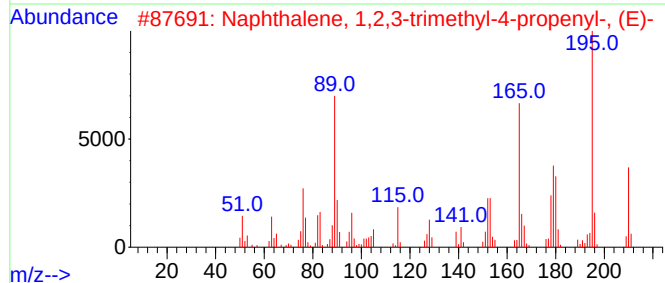
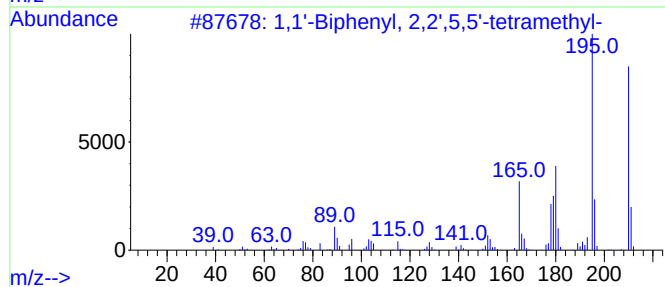
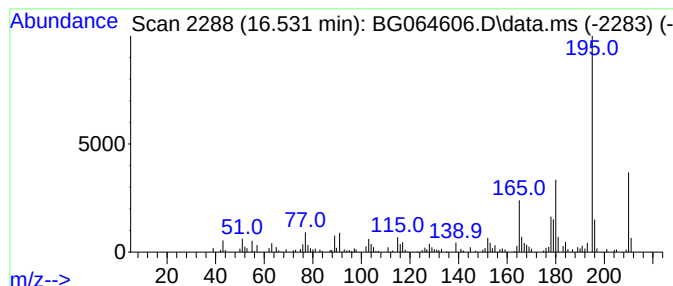
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.531	4.21 ng	122700	Phenanthrene-d10	17.577	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	95
2	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	83
3	2,4,2',4'-Tetramethyl-biphenyl	210	C16H18	1000486-97-7	72
4	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	58
5	9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
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Operator : RC/JU
Sample : Q3419-05
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Instrument :
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ClientSampleId :
PR132-S16-094119-20251021

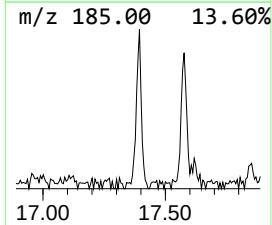
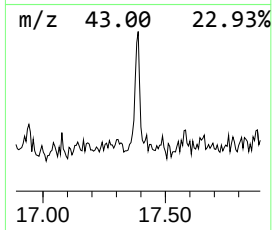
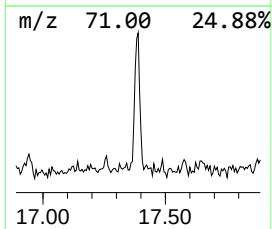
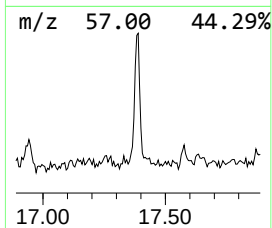
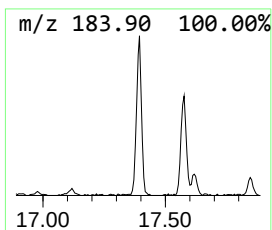
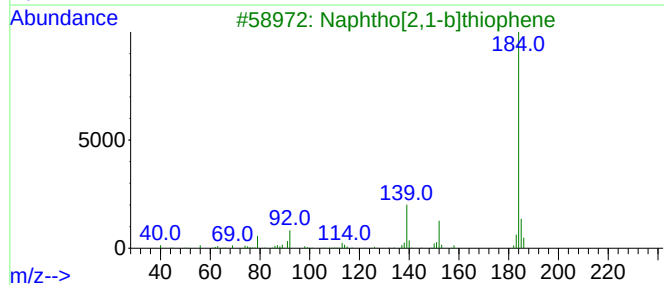
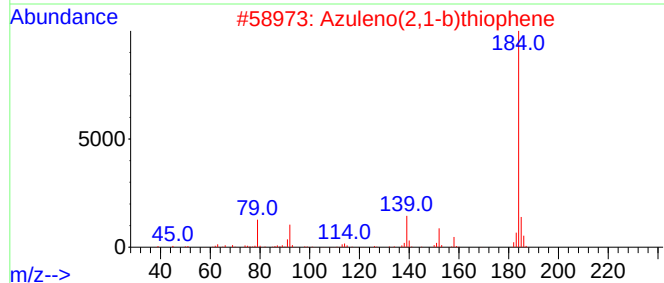
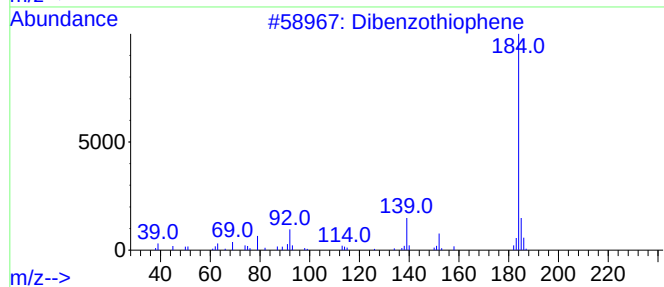
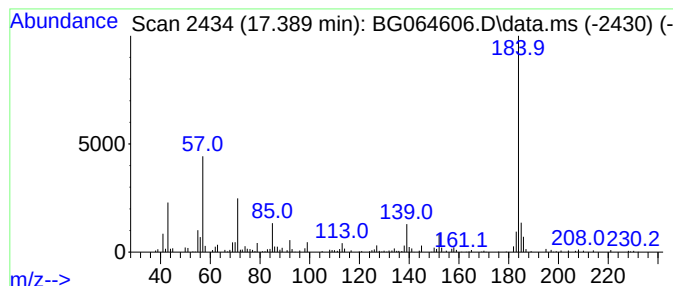
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.389	7.81 ng	227436	Phenanthrene-d10	17.577

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	90
2			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	81
3			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	81
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	70
5			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

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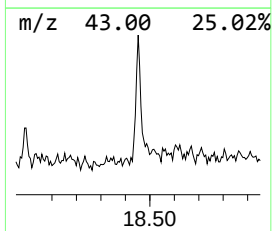
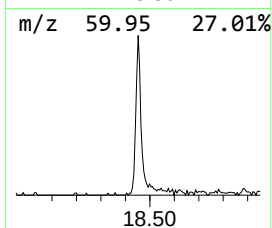
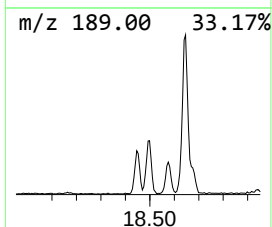
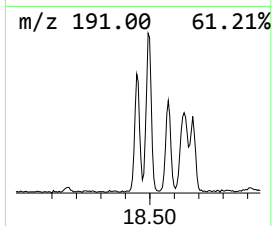
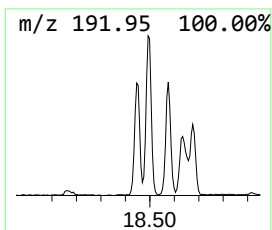
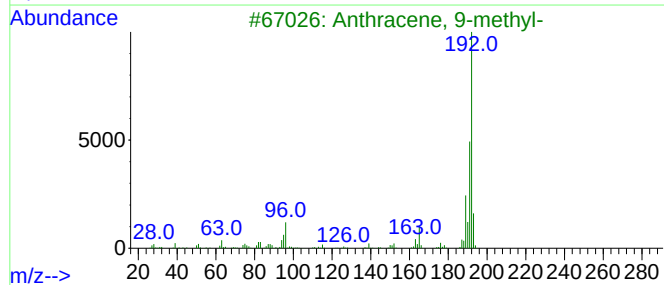
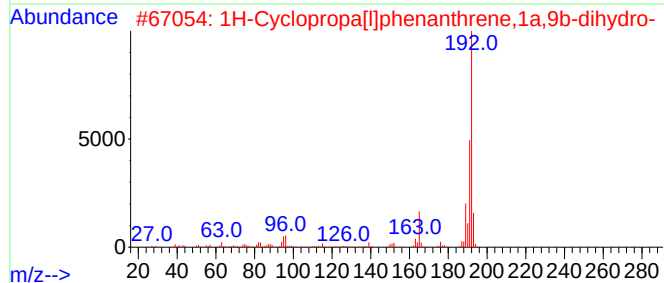
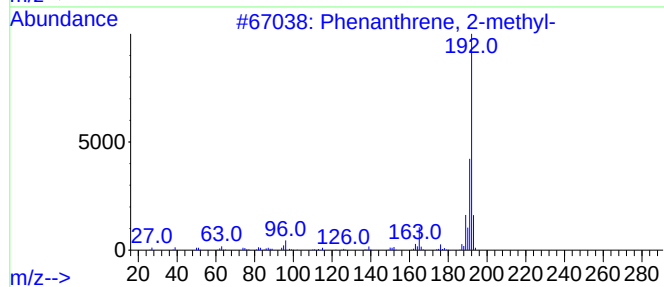
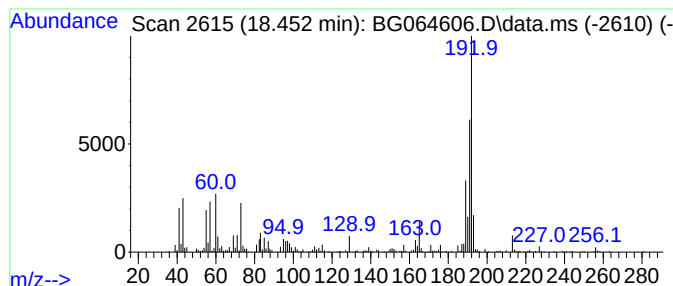
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.452	14.44 ng	420488	Phenanthrene-d10	17.577

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
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Sample : Q3419-05
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ClientSampleId :
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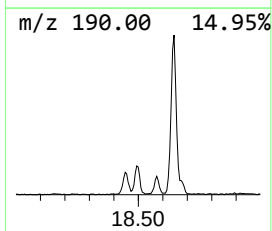
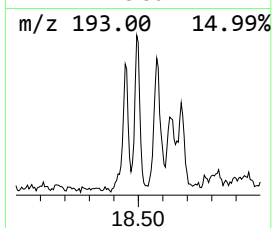
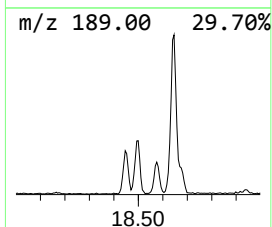
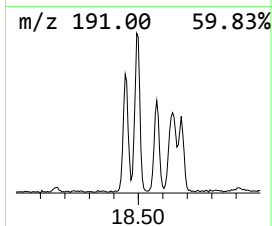
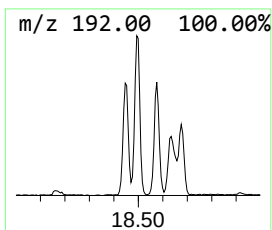
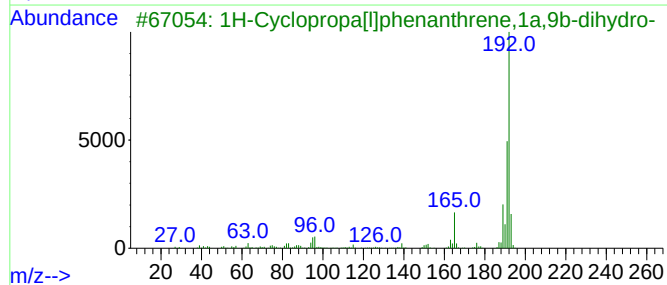
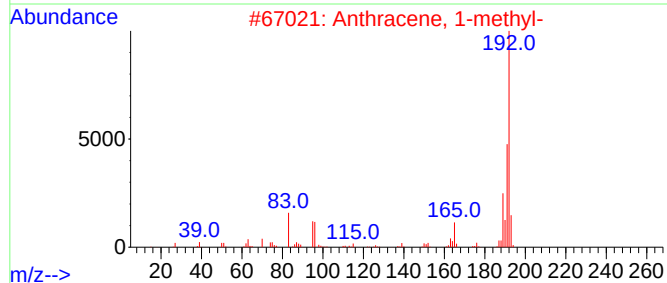
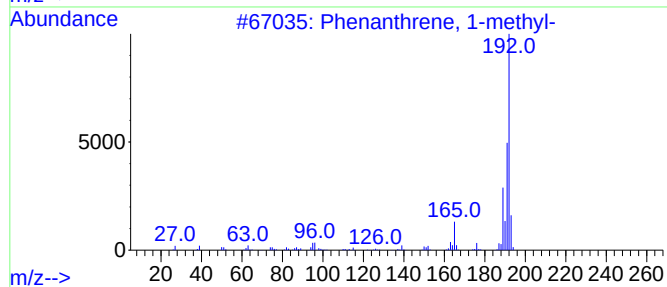
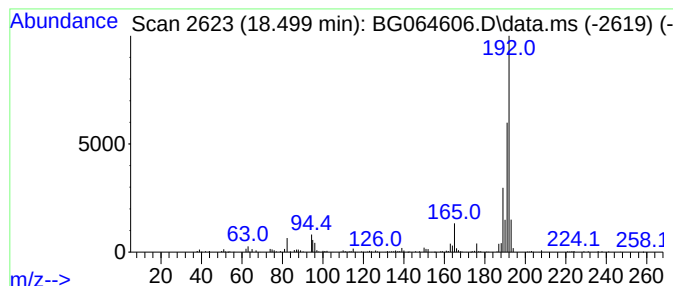
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.499	11.87 ng	345790	Phenanthrene-d10	17.577

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

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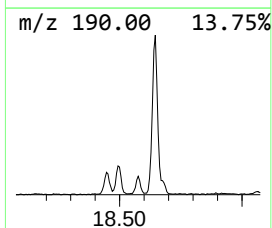
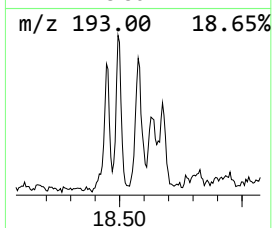
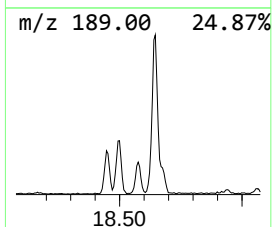
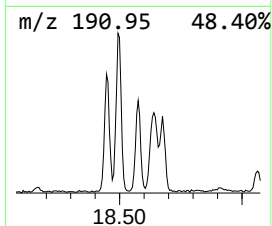
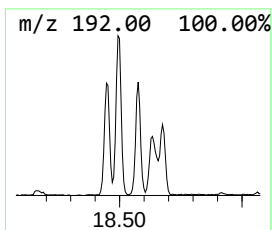
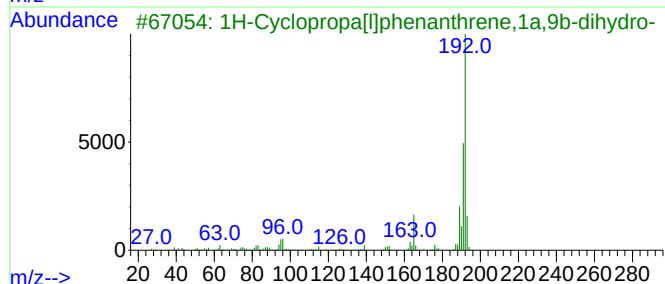
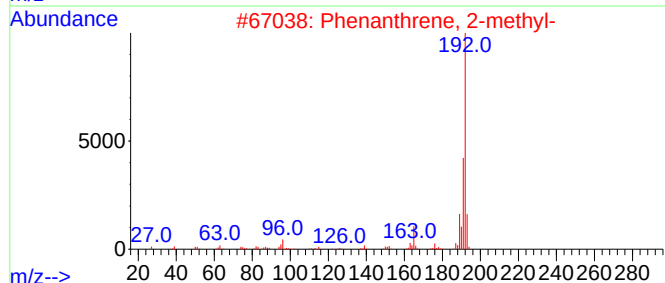
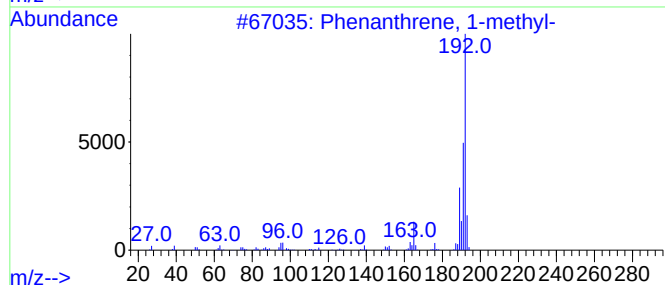
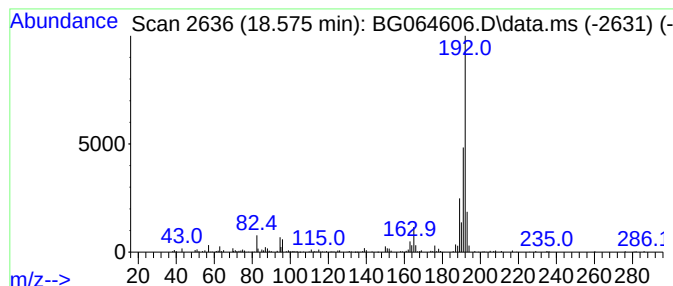
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.575	7.23 ng	210507	Phenanthrene-d10	17.577

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
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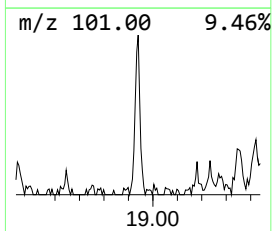
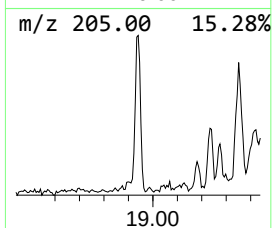
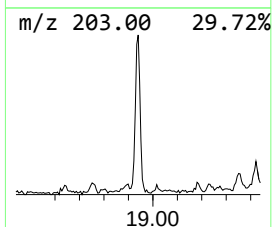
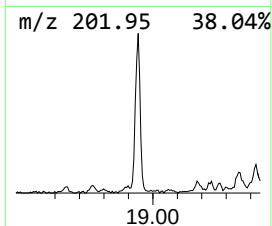
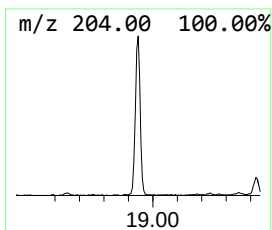
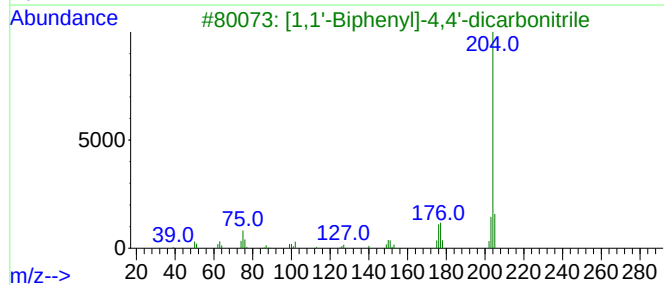
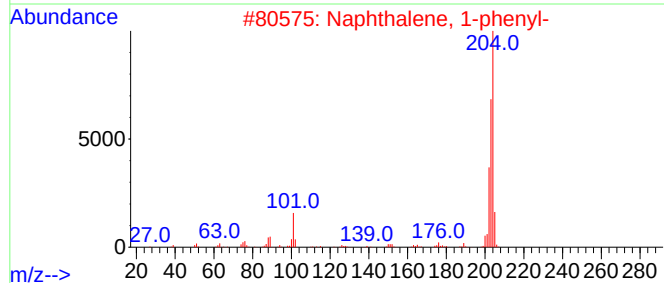
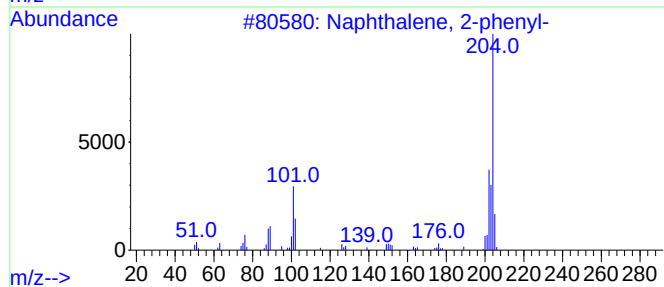
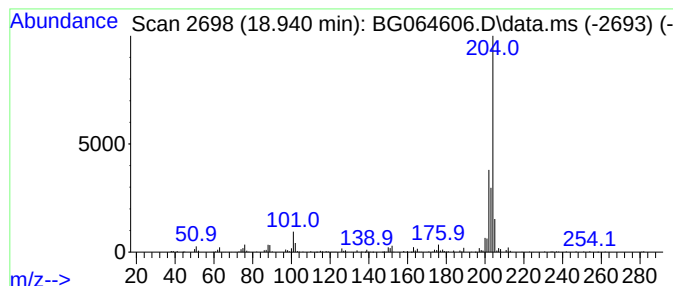
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.940	7.83 ng	228133	Phenanthrene-d10	17.577

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4		5,16[1',2']: 8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
5		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

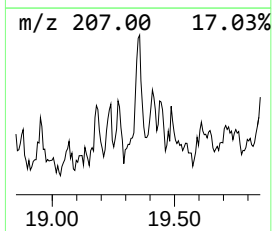
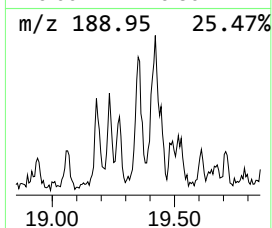
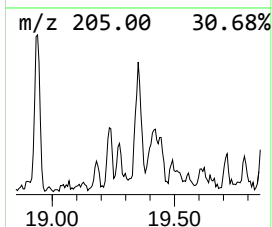
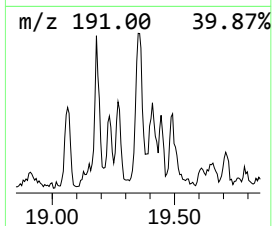
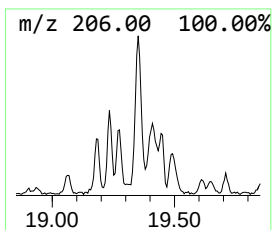
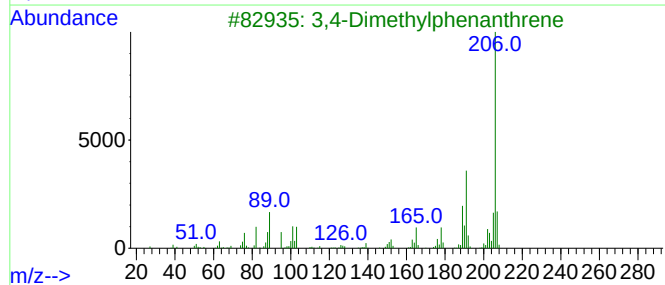
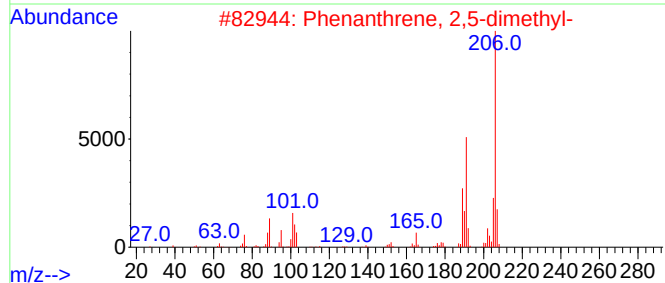
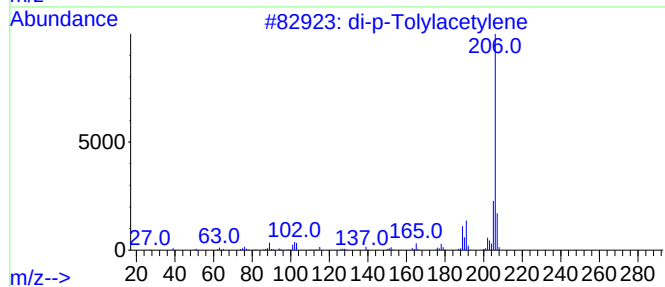
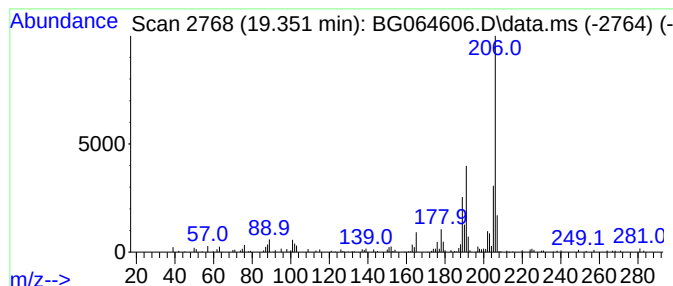
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 di-p-Tolylacetylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.351	4.07 ng	118425	Phenanthrene-d10	17.577

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

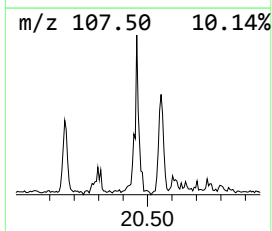
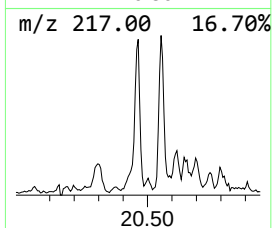
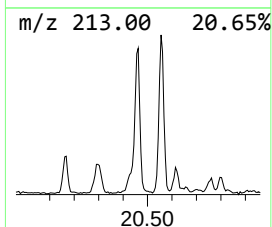
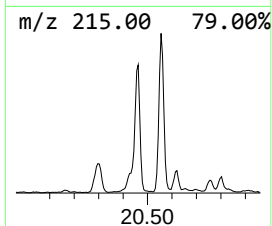
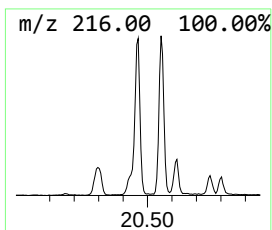
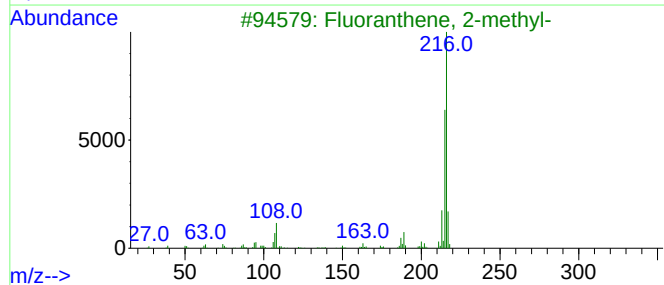
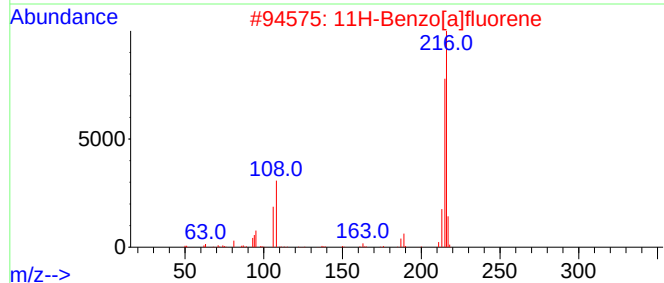
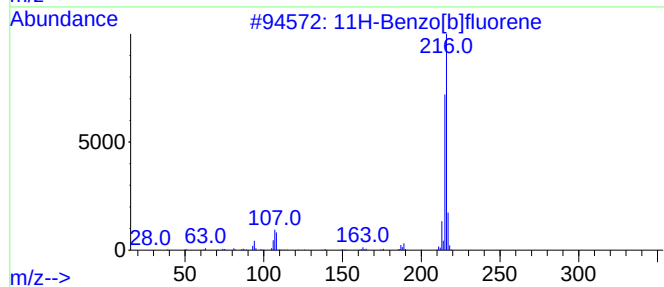
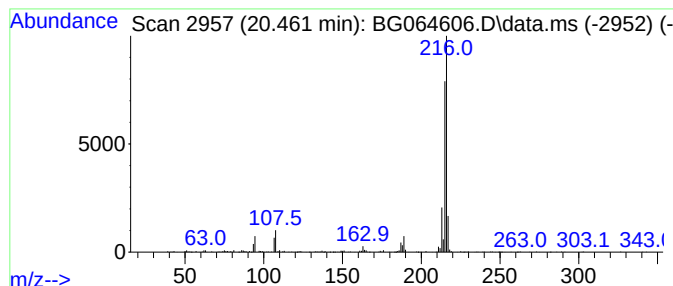
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.462	7.30 ng	527613	Chrysene-d12	21.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

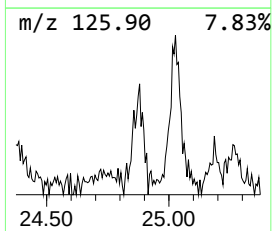
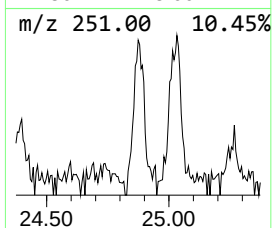
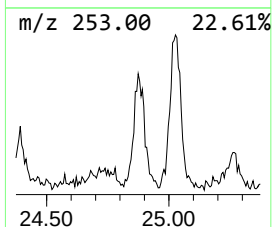
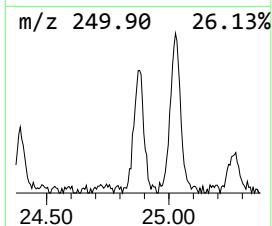
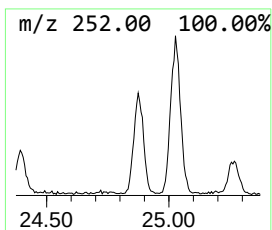
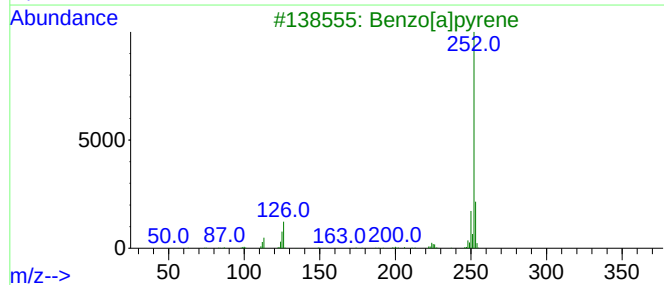
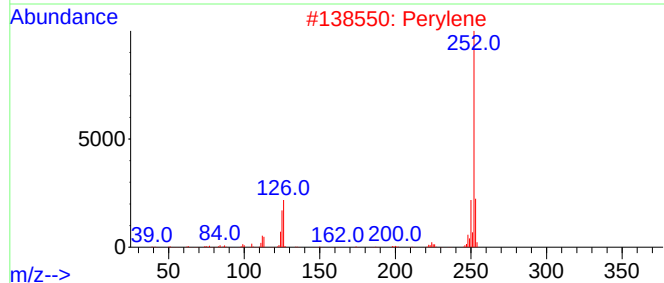
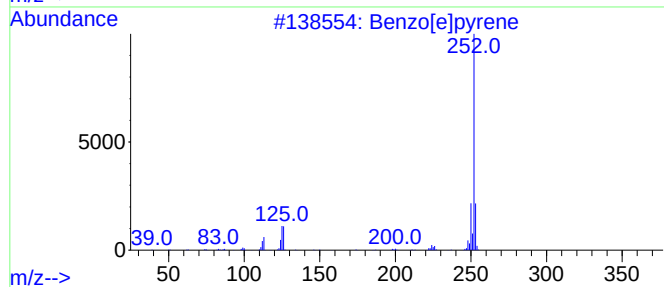
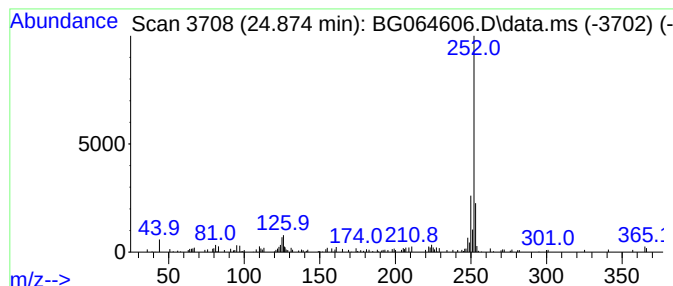
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.874	4.43 ng	165990	Perylene-d12	25.185

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	90
2			Perylene	252	C20H12	000198-55-0	90
3			Benzo[a]pyrene	252	C20H12	000050-32-8	81
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
5			(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
Acq On : 28 Oct 2025 17:54
Operator : RC/JU
Sample : Q3419-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 2-...	12.677	2.9	ng	46542	2	11.037	324047	20.0
Benzophenone	16.178	7.1	ng	171162	3	14.839	484506	20.0
1,1'-Biphenyl, ...	16.531	4.2	ng	122700	4	17.577	582436	20.0
Dibenzothiophene	17.389	7.8	ng	227436	4	17.577	582436	20.0
Phenanthrene, 2...	18.452	14.4	ng	420488	4	17.577	582436	20.0
Phenanthrene, 1...	18.499	11.9	ng	345790	4	17.577	582436	20.0
1H-Cyclopropa[1...	18.575	7.2	ng	210507	4	17.577	582436	20.0
Naphthalene, 2-...	18.940	7.8	ng	228133	4	17.577	582436	20.0
di-p-Tolylacety...	19.351	4.1	ng	118425	4	17.577	582436	20.0
11H-Benzo[b]flu...	20.462	7.3	ng	527613	5	21.848	1445250	20.0
Benzo[e]pyrene	24.874	4.4	ng	165990	6	25.185	749867	20.0



CALIBRATION SUMMARY

- 1
- 2
- 3
- 4
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- 6
- 7
- 8
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Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 17:30:25 2025
Response Via : Initial Calibration

Calibration Files

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Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.723	0.494	0.485	0.550	0.519	0.572	0.481	0.546	15.58
3) Pyridine		1.395	1.384	1.530	1.527	1.427	1.604	1.370	1.462	6.19
4) n-Nitrosodimet...			0.805	0.963	0.912	0.835	1.017	0.860	0.899	8.98
5) S 2-Fluorophenol		1.324	1.322	1.328	1.303	1.163	1.322	1.087	1.264	7.76
6) Aniline		2.173	2.152	2.106	2.016	1.809	2.050	1.675	1.997	9.36
7) S Phenol-d6		1.548	1.443	1.481	1.408	1.289	1.412	1.193	1.396	8.56
8) 2-Chlorophenol		1.398	1.310	1.306	1.251	1.124	1.258	1.067	1.245	9.17
9) Benzaldehyde			1.093	0.965	1.043	0.959	1.406	1.039	1.084	15.28
10) C Phenol		1.896	1.860	1.820	1.736	1.575	1.725	1.445	1.722	9.41
11) bis(2-Chloroet...		1.406	1.278	1.285	1.248	1.128	1.285	1.082	1.245	8.72
12) 1,3-Dichlorobe...		1.681	1.582	1.640	1.565	1.415	1.566	1.300	1.536	8.66
13) C 1,4-Dichlorobe...		1.645	1.567	1.592	1.551	1.371	1.575	1.295	1.513	8.52
14) 1,2-Dichlorobe...		1.588	1.548	1.534	1.480	1.355	1.520	1.225	1.464	8.81
15) Benzyl Alcohol			1.129	1.234	1.145	1.056	1.222	1.025	1.135	7.47
16) 2,2'-oxybis(1-...		2.561	2.432	2.505	2.376	2.149	2.313	2.038	2.339	8.08
17) 2-Methylphenol		1.052	1.010	1.032	0.931	0.874	0.981	0.823	0.957	8.89
18) Hexachloroethane		0.553	0.544	0.569	0.544	0.506	0.595	0.477	0.541	7.21
19) P n-Nitroso-di-n...	0.900	0.971	0.972	0.949	0.876	0.801	0.943	0.809	0.903	7.60
20) 3+4-Methylphenols			1.270	1.190	1.167	1.036	1.159	0.969	1.132	9.69
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.473	0.459	0.433	0.437	0.397	0.456	0.371	0.432	8.41
23) S Nitrobenzene-d5		0.377	0.378	0.374	0.368	0.335	0.393	0.330	0.365	6.48
24) Nitrobenzene		0.395	0.384	0.404	0.392	0.360	0.417	0.351	0.386	6.05
25) Isophorone		0.665	0.662	0.645	0.643	0.584	0.686	0.582	0.638	6.29
26) C 2-Nitrophenol		0.190	0.184	0.196	0.191	0.167	0.194	0.165	0.184	6.96
27) 2,4-Dimethylph...		0.289	0.279	0.262	0.287	0.254	0.293	0.247	0.273	6.73
28) bis(2-Chloroet...		0.430	0.408	0.413	0.404	0.365	0.416	0.351	0.398	7.25
29) C 2,4-Dichloroph...		0.334	0.345	0.325	0.323	0.293	0.328	0.275	0.317	7.75
30) 1,2,4-Trichlor...		0.344	0.339	0.334	0.335	0.301	0.348	0.286	0.327	7.19
31) Naphthalene		1.054	1.002	0.962	0.965	0.852	0.983	0.788	0.944	9.72
32) Benzoic acid			0.217	0.200	0.146	0.147	0.168	0.162	0.173	16.81
33) 4-Chloroaniline		0.332	0.356	0.349	0.336	0.298	0.344	0.286	0.329	8.10
34) C Hexachlorobuta...		0.279	0.276	0.274	0.270	0.241	0.296	0.234	0.267	8.19
35) Caprolactam			0.078	0.082	0.085	0.072	0.086	0.075	0.080	7.03
36) C 4-Chloro-3-met...		0.302	0.289	0.285	0.282	0.257	0.296	0.250	0.280	6.98
37) 2-Methylnaphth...		0.718	0.654	0.631	0.644	0.549	0.637	0.524	0.622	10.55
38) 1-Methylnaphth...		0.685	0.627	0.591	0.591	0.524	0.611	0.499	0.590	10.60

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF102425.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.777	0.707	0.693	0.707	0.629	0.716	0.583	0.687	9.17	
41) P	Hexachlorocycl...	0.148	0.208	0.218	0.205	0.273	0.222	0.212	18.88		
42) S	2,4,6-Tribromo...	0.251	0.249	0.256	0.262	0.241	0.289	0.236	0.255	6.77	
43) C	2,4,6-Trichlor...	0.430	0.447	0.480	0.473	0.427	0.485	0.386	0.447	7.98	
44)	2,4,5-Trichlor...	0.488	0.485	0.484	0.467	0.427	0.511	0.419	0.469	7.19	
45) S	2-Fluorobiphenyl	1.654	1.503	1.411	1.451	1.291	1.473	1.164	1.421	11.04	
46)	1,1'-Biphenyl	1.613	1.532	1.441	1.472	1.317	1.470	1.176	1.432	10.09	
47)	2-Chloronaphth...	1.336	1.264	1.233	1.222	1.101	1.250	0.989	1.199	9.68	
48)	2-Nitroaniline	0.325	0.359	0.368	0.380	0.333	0.399	0.328	0.356	8.00	
49)	Acenaphthylene	1.780	1.693	1.664	1.703	1.476	1.668	1.337	1.617	9.54	
50)	Dimethylphthalate	1.398	1.328	1.332	1.366	1.219	1.387	1.146	1.311	7.15	
51)	2,6-Dinitrotol...	0.228	0.257	0.275	0.276	0.252	0.288	0.240	0.259	8.31	
52) C	Acenaphthene	1.125	1.153	1.134	1.114	0.999	1.122	0.914	1.080	8.21	
53)	3-Nitroaniline	0.276	0.294	0.293	0.322	0.281	0.301	0.250	0.288	7.79	
54) P	2,4-Dinitrophenol	0.161	0.162	0.124	0.116	0.139	0.140	0.140	13.44		
55)	Dibenzofuran	1.685	1.572	1.512	1.559	1.391	1.535	1.242	1.499	9.55	
56) P	4-Nitrophenol	0.224	0.199	0.187	0.175	0.202	0.184	0.195	8.90		
57)	2,4-Dinitrotol...	0.302	0.343	0.370	0.385	0.336	0.390	0.323	0.350	9.44	
58)	Fluorene	1.359	1.169	1.133	1.188	1.041	1.162	0.945	1.143	11.27	
59)	2,3,4,6-Tetrac...	0.317	0.318	0.333	0.360	0.322	0.366	0.297	0.330	7.53	
60)	Diethylphthalate	1.286	1.264	1.244	1.290	1.145	1.318	1.083	1.233	6.98	
61)	4-Chlorophenyl...	0.706	0.667	0.656	0.675	0.591	0.674	0.529	0.643	9.49	
62)	4-Nitroaniline	0.262	0.266	0.275	0.296	0.260	0.299	0.253	0.273	6.70	
63)	Azobenzene	1.192	1.178	1.187	1.236	1.103	1.253	1.020	1.167	6.91	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.133	0.151	0.123	0.115	0.132	0.116	0.128	10.63		
66) c	n-Nitrosodiphe...	0.716	0.666	0.657	0.643	0.590	0.659	0.542	0.639	8.82	
67)	4-Bromophenyl-...	0.274	0.256	0.247	0.260	0.230	0.270	0.215	0.250	8.52	
68)	Hexachlorobenzene	0.311	0.338	0.309	0.321	0.275	0.328	0.268	0.307	8.59	
69)	Atrazine	0.229	0.223	0.218	0.208	0.185	0.235	0.169	0.210	11.52	
70) C	Pentachlorophenol	0.123	0.149	0.150	0.143	0.168	0.144	0.146	9.94		
71)	Phenanthrene	1.073	1.040	1.009	1.017	0.918	1.043	0.854	0.994	7.89	
72)	Anthracene	1.171	1.077	1.029	1.053	0.932	1.065	0.857	1.026	10.01	
73)	Carbazole	0.943	0.920	0.883	0.905	0.818	0.907	0.737	0.874	8.20	
74)	Di-n-butylphth...	1.090	1.091	1.116	1.118	1.002	1.135	0.945	1.071	6.58	
75) C	Fluoranthene	1.171	1.151	1.121	1.123	0.997	1.167	0.954	1.098	7.88	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.689	0.614	0.665	0.513	0.787	0.466	0.622	18.99		
78)	Pyrene	1.603	1.466	1.426	1.521	1.295	1.519	1.236	1.438	9.08	
79) S	Terphenyl-d14	1.280	1.134	1.121	1.212	1.002	1.241	1.018	1.144	9.39	
80)	Butylbenzylpht...	0.508	0.542	0.566	0.601	0.494	0.595	0.501	0.544	8.25	
81)	Benzo(a)anthra...	1.341	1.322	1.359	1.516	1.206	1.492	1.226	1.352	8.79	
82)	3,3'-Dichlorob...	0.469	0.485	0.510	0.404	0.529	0.427	0.470	10.21		
83)	Chrysene	1.330	1.263	1.253	1.319	1.179	1.366	1.170	1.268	5.93	
84)	Bis(2-ethylhex...	0.745	0.725	0.761	0.795	0.690	0.813	0.670	0.743	7.01	
85) c	Di-n-octyl pht...	1.228	1.295	1.399	1.179	1.382	1.180	1.277	7.65		

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102425.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.351	1.331	1.394	1.477	1.295	1.501	1.263	1.373	6.53	
88)	Benzo(b)fluora...	1.134	1.108	1.153	1.264	1.055	1.151	1.050	1.131	6.39	
89)	Benzo(k)fluora...	1.206	1.077	1.010	1.059	0.906	1.157	0.886	1.043	11.44	
90) C	Benzo(a)pyrene	1.049	0.990	1.036	1.089	0.942	1.086	0.909	1.014	6.88	
91)	Dibenzo(a,h)an...	1.058	1.061	1.107	1.166	1.024	1.195	0.997	1.087	6.72	
92)	Benzo(g,h,i)pe...	1.051	1.051	1.124	1.195	1.023	1.192	1.015	1.093	7.08	

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144056.D
Acq On : 24 Oct 2025 10:13
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 24 17:00:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

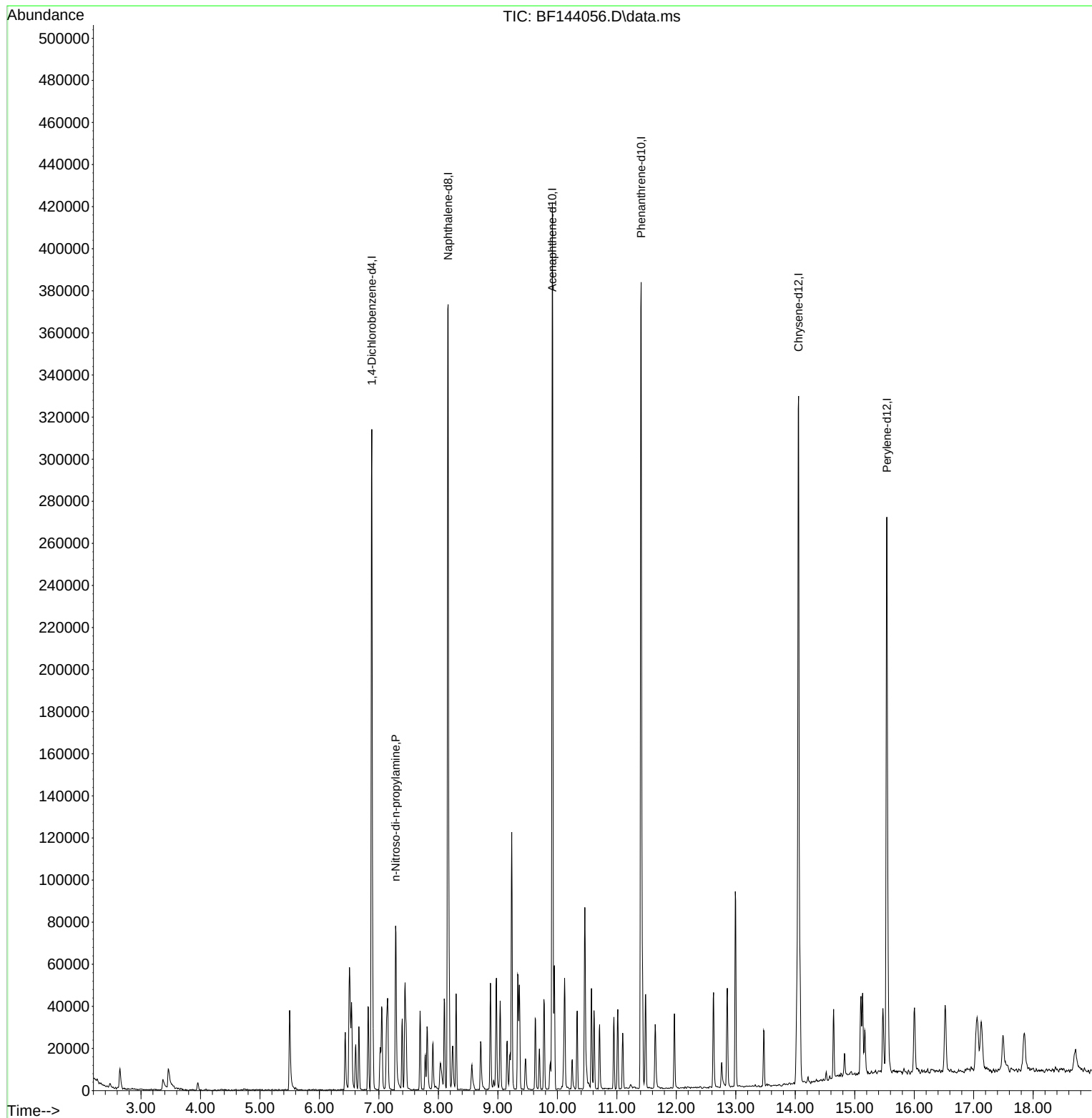
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	63395	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	236986	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	128411	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	216866	20.000	ng	0.00
76) Chrysene-d12	14.057	240	165196	20.000	ng	0.00
86) Perylene-d12	15.539	264	182261	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.281	70	7133	2.493	ng	Qvalue 97

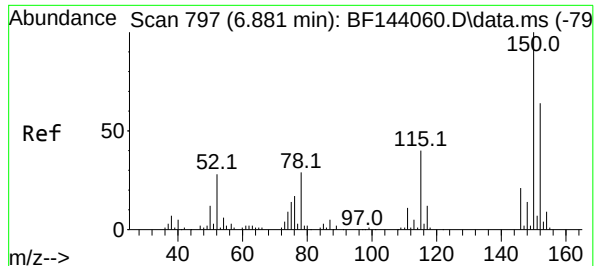
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144056.D
Acq On : 24 Oct 2025 10:13
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

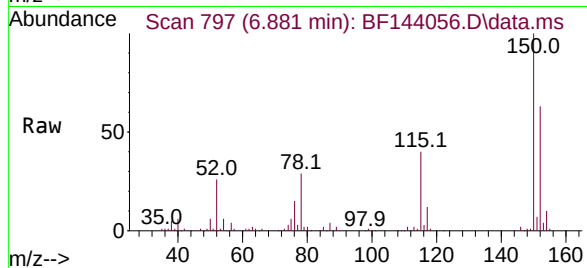
Quant Time: Oct 24 17:00:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration



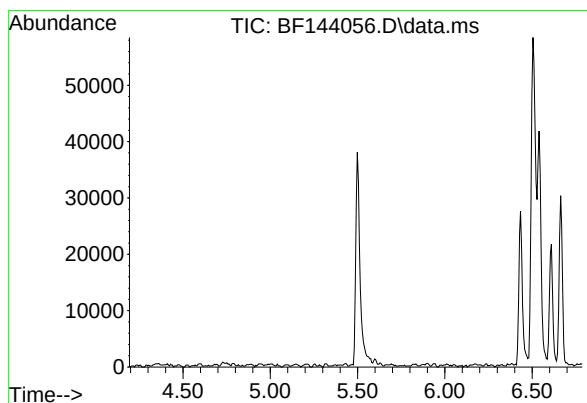
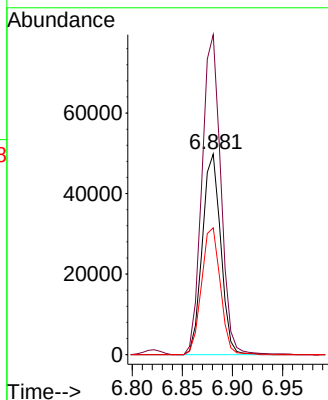
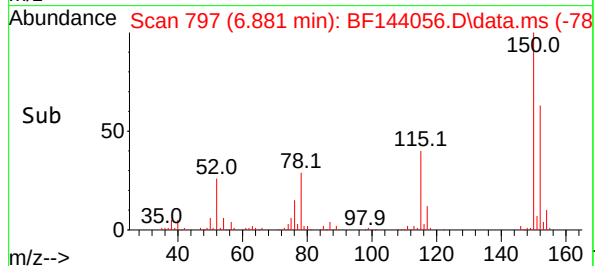


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



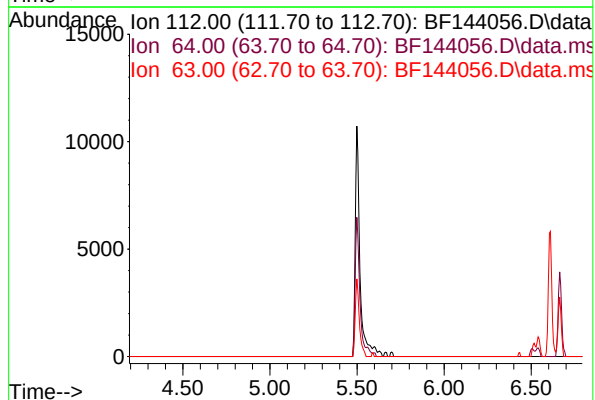
Tgt Ion:152 Resp: 63395
Ion Ratio Lower Upper
152 100
150 159.5 124.4 186.6
115 63.2 49.4 74.0

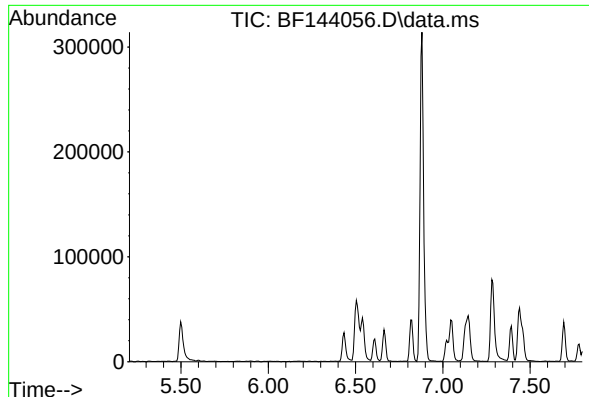


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

Tgt Ion: 112
Sig Exp Ratio
112 100
64 62.3
63 34.3





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.50 min

Lab File: BF144056.D

Acq: 24 Oct 2025 10:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

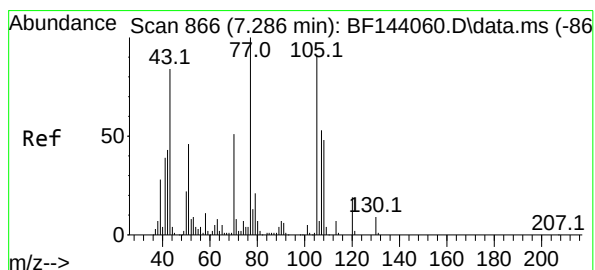
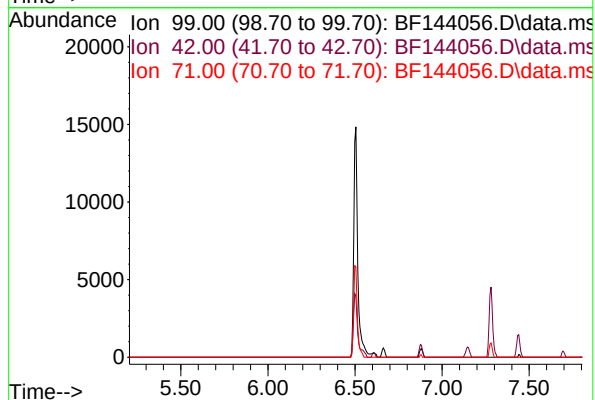
Tgt Ion: 99

Sig Exp Ratio

99 100

42 29.9

71 43.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.493 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF144056.D

Acq: 24 Oct 2025 10:13

Tgt Ion: 70 Resp: 7133

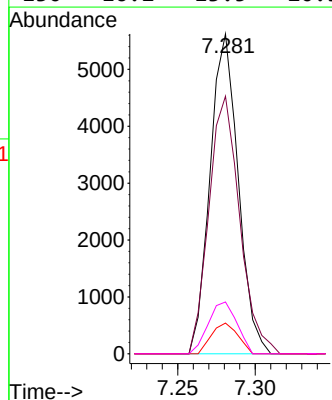
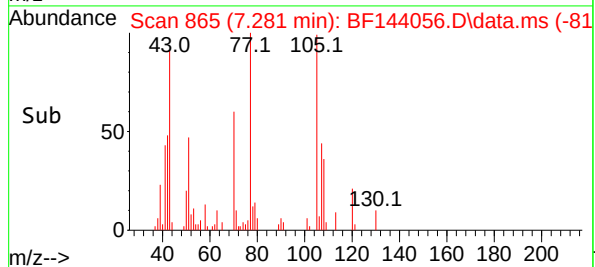
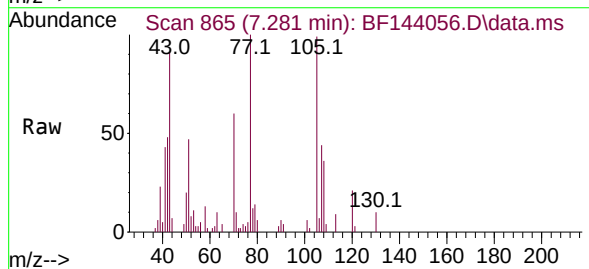
Ion Ratio Lower Upper

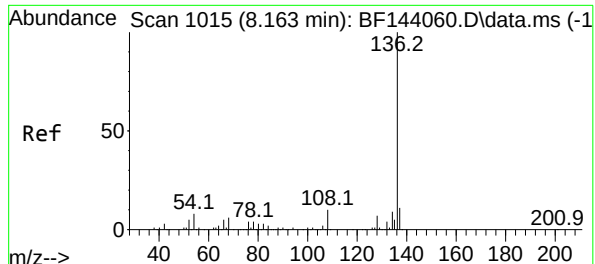
70 100

42 80.5 67.4 101.0

101 9.6 7.1 10.7

130 16.2 13.5 20.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 10

Delta R.T. 0.000 min

Lab File: BF144056.D

Acq: 24 Oct 2025 10:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

Tgt Ion:136 Resp: 236986

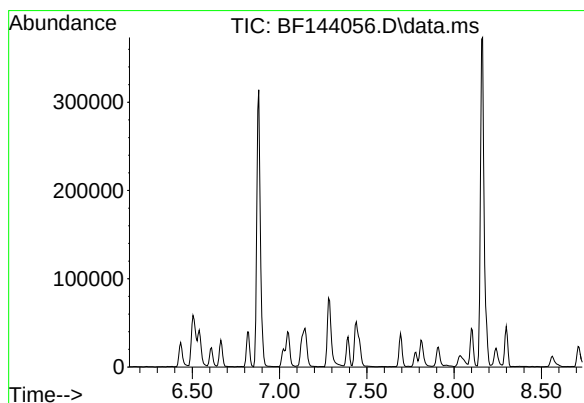
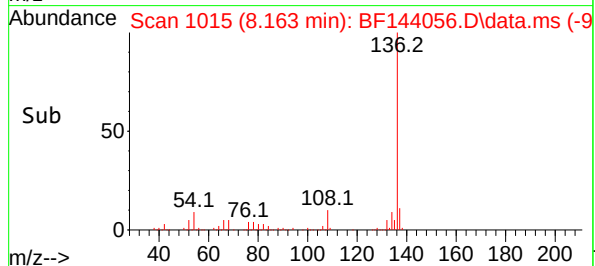
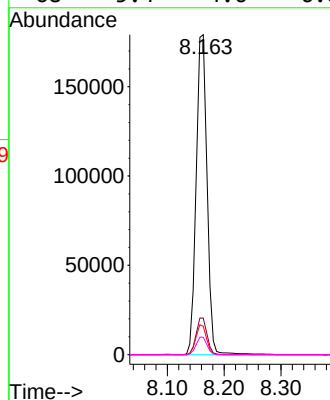
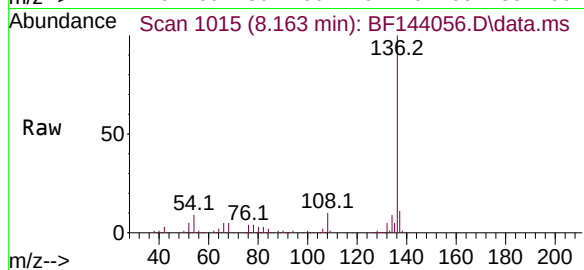
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 8.8 6.6 9.8

68 5.4 4.6 6.8



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.44 min

Lab File: BF144056.D

Acq: 24 Oct 2025 10:13

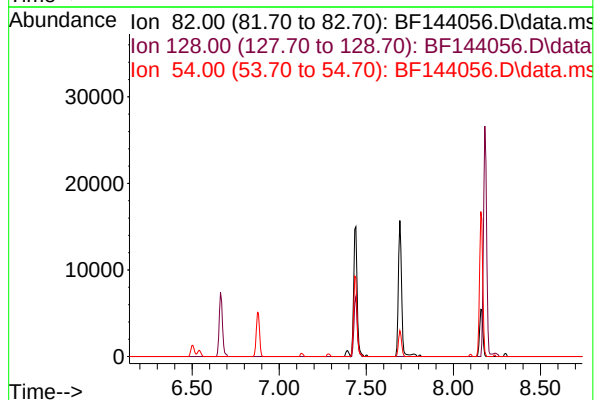
Tgt Ion: 82

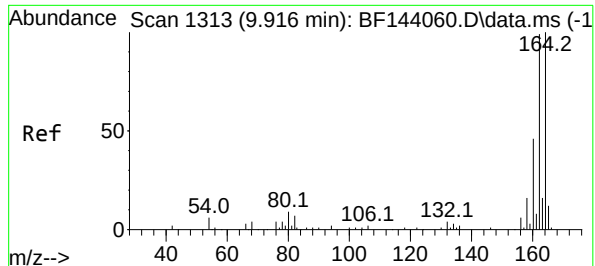
Sig Exp Ratio

82 100

128 40.5

54 67.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.000 min

Lab File: BF144056.D

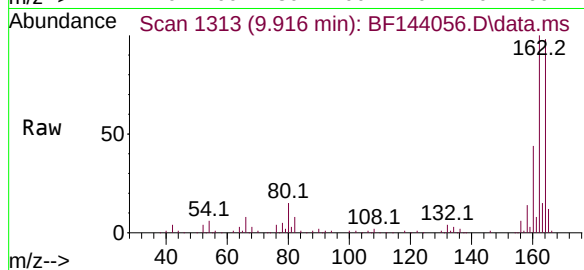
Acq: 24 Oct 2025 10:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



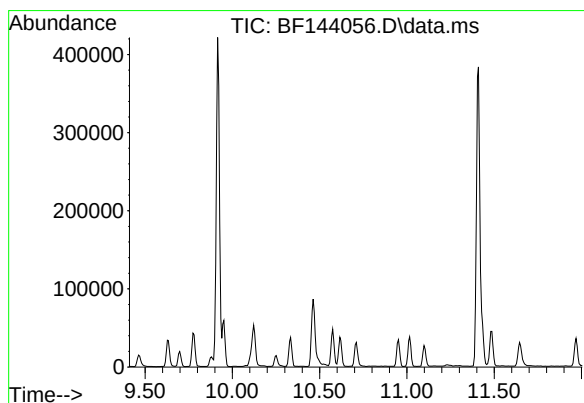
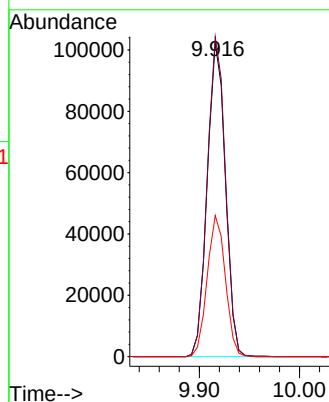
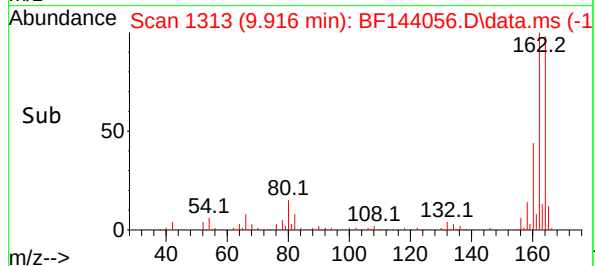
Tgt Ion:164 Resp: 128411

Ion Ratio Lower Upper

164 100

162 102.0 79.4 119.2

160 44.9 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.71 min

Lab File: BF144056.D

Acq: 24 Oct 2025 10:13

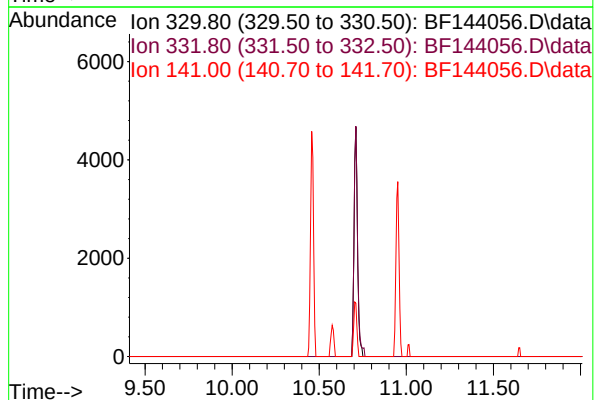
Tgt Ion: 330

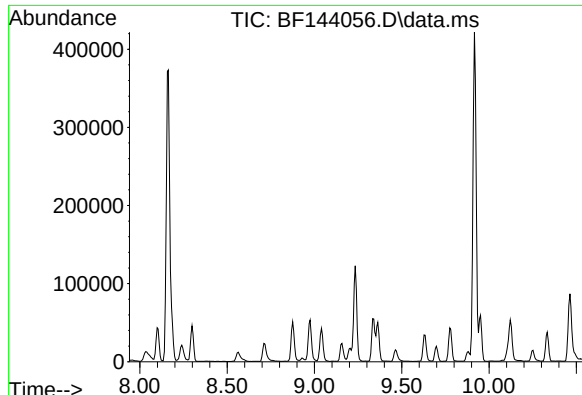
Sig Exp Ratio

330 100

332 96.3

141 24.2





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.24 min

Lab File: BF144056.D

Acq: 24 Oct 2025 10:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

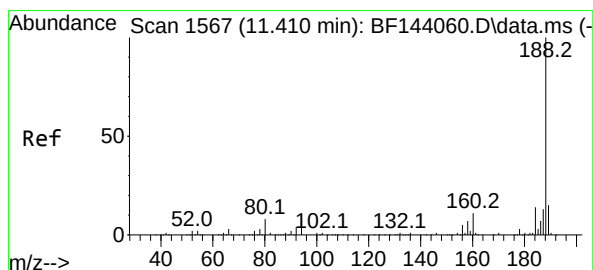
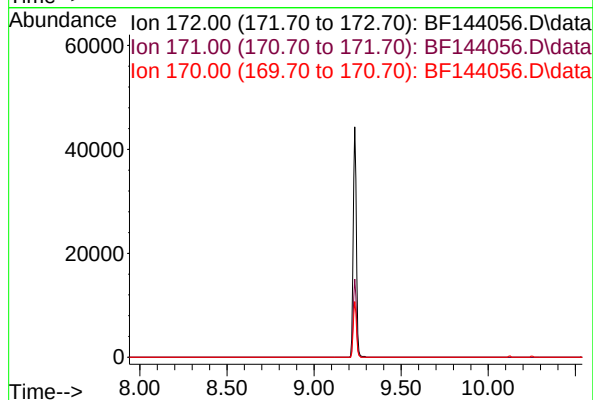
Tgt Ion: 172

Sig Exp Ratio

172 100

171 34.4

170 23.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BF144056.D

Acq: 24 Oct 2025 10:13

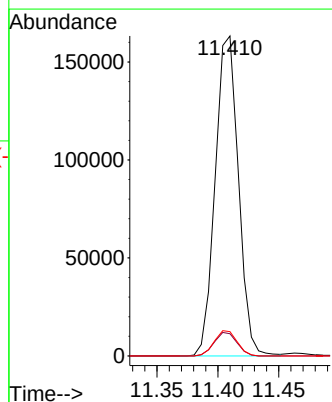
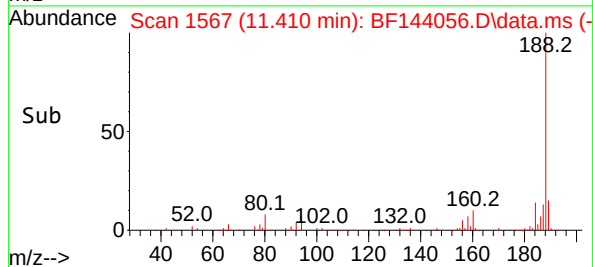
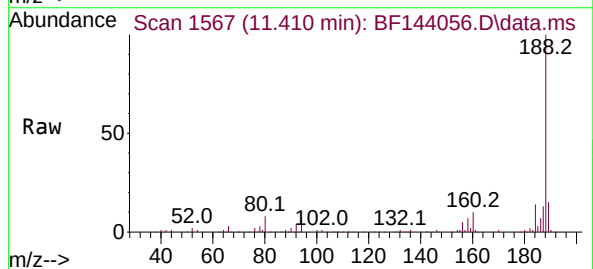
Tgt Ion: 188 Resp: 216866

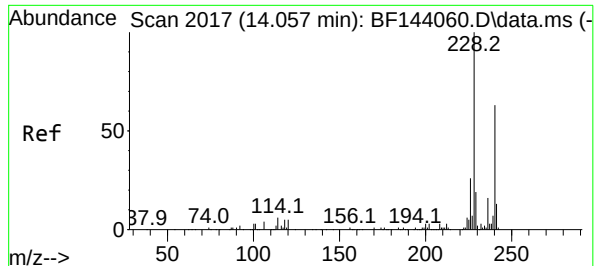
Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.0

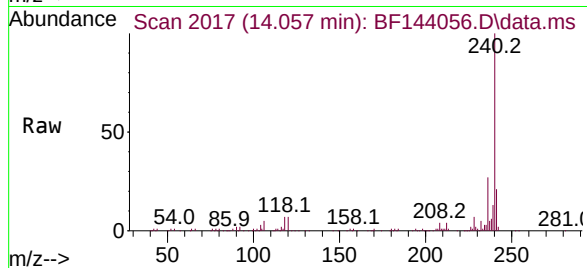
80 7.6 6.0 9.0



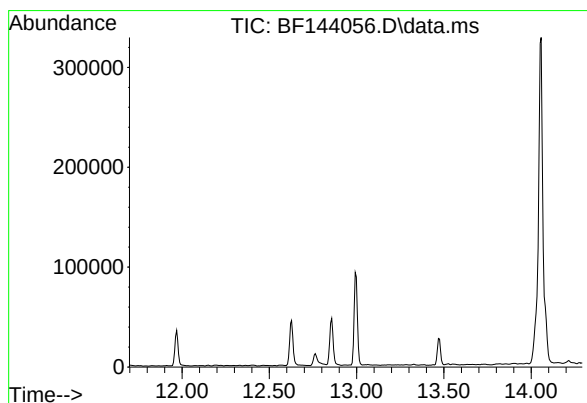
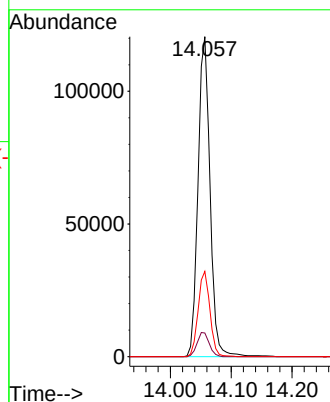
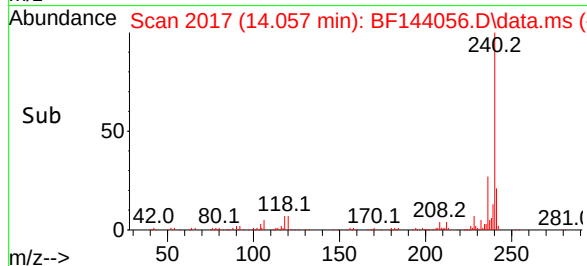


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



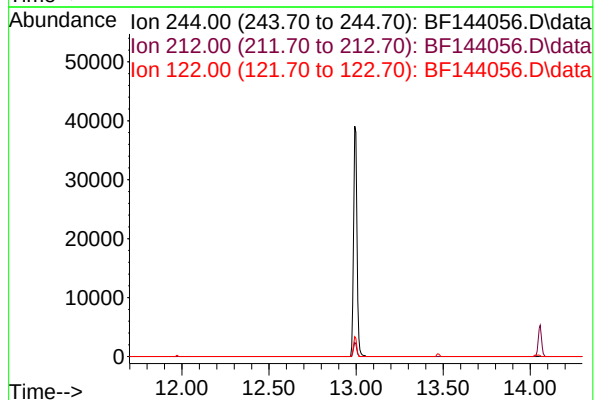
Tgt Ion: 240 Resp: 165196
Ion Ratio Lower Upper
240 100
120 7.4 6.5 9.7
236 26.6 20.1 30.1



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

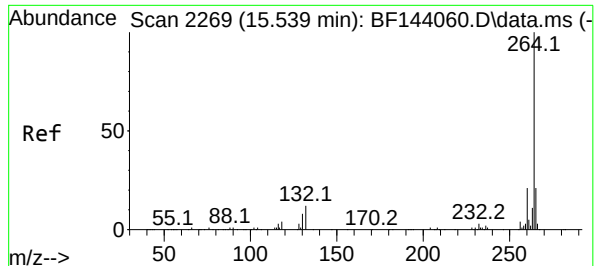
Lab File: BF144056.D
Acq: 24 Oct 2025 10:13

Tgt Ion: 244
Sig Exp Ratio
244 100
212 7.2
122 6.1



Ion 212.00 (211.70 to 212.70): BF144056.D\data

Ion 122.00 (121.70 to 122.70): BF144056.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144056.D

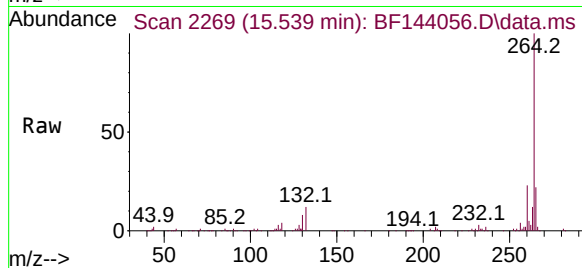
Acq: 24 Oct 2025 10:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



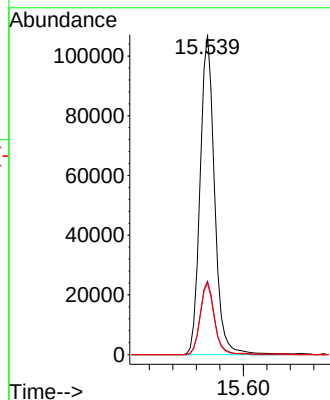
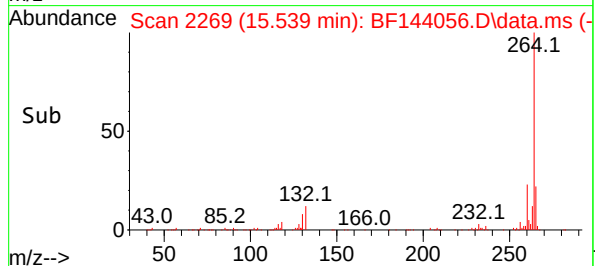
Tgt Ion:264 Resp: 182261

Ion Ratio Lower Upper

264 100

260 22.9 17.0 25.4

265 22.3 16.6 24.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144057.D
 Acq On : 24 Oct 2025 10:42
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Oct 24 17:01:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:52:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	64729	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	239688	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	127182	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	215493	20.000	ng	0.00
76) Chrysene-d12	14.057	240	170453	20.000	ng	0.00
86) Perylene-d12	15.539	264	190551	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	42841	10.471	ng	0.00
7) Phenol-d6	6.498	99	50099	11.088	ng	0.00
23) Nitrobenzene-d5	7.434	82	45136	10.317	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	15954	9.848	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	105210	11.641	ng	0.00
79) Terphenyl-d14	12.992	244	109089	11.189	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.640	88	11703	6.619	ng	95
3) Pyridine	3.428	79	22571	4.769	ng	# 95
6) Aniline	6.539	93	35169	5.441	ng	99
8) 2-Chlorophenol	6.663	128	22623	5.615	ng	93
10) Phenol	6.516	94	30686	5.505	ng	92
11) bis(2-Chloroethyl)ether	6.610	93	22757	5.650	ng	99
12) 1,3-Dichlorobenzene	6.822	146	27208	5.474	ng	98
13) 1,4-Dichlorobenzene	6.898	146	26614	5.433	ng	98
14) 1,2-Dichlorobenzene	7.045	146	25700	5.423	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.145	45	41443	5.474	ng	94
17) 2-Methylphenol	7.128	107	17019	5.492	ng	91
18) Hexachloroethane	7.392	117	8945	5.108	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	15719	5.380	ng	92
22) Acetophenone	7.281	105	28341	5.471	ng	94
24) Nitrobenzene	7.457	77	23655	5.111	ng	97
25) Isophorone	7.692	82	39860	5.211	ng	98
26) 2-Nitrophenol	7.775	139	11373	5.166	ng	# 89
27) 2,4-Dimethylphenol	7.810	122	17297	5.287	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	25751	5.399	ng	99
29) 2,4-Dichlorophenol	8.022	162	20009	5.259	ng	96
30) 1,2,4-Trichlorobenzene	8.098	180	20600	5.263	ng	99
31) Naphthalene	8.181	128	63185	5.585	ng	99
33) 4-Chloroaniline	8.233	127	19875	5.047	ng	94
34) Hexachlorobutadiene	8.298	225	16702	5.218	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	18077	5.384	ng	95
37) 2-Methylnaphthalene	8.875	142	43006	5.766	ng	98
38) 1-Methylnaphthalene	8.975	142	41029	5.806	ng	95
40) 1,2,4,5-Tetrachloroben...	9.039	216	24701	5.651	ng	96
43) 2,4,6-Trichlorophenol	9.151	196	13673	4.813	ng	93
44) 2,4,5-Trichlorophenol	9.198	196	15530	5.208	ng	94
46) 1,1'-Biphenyl	9.333	154	51299	5.635	ng	98
47) 2-Chloronaphthalene	9.363	162	42492	5.571	ng	97
48) 2-Nitroaniline	9.463	65	10347	4.568	ng	94
49) Acenaphthylene	9.775	152	56586	5.502	ng	99
50) Dimethylphthalate	9.627	163	44452	5.332	ng	99
51) 2,6-Dinitrotoluene	9.698	165	7239	4.392	ng	93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144057.D
Acq On : 24 Oct 2025 10:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

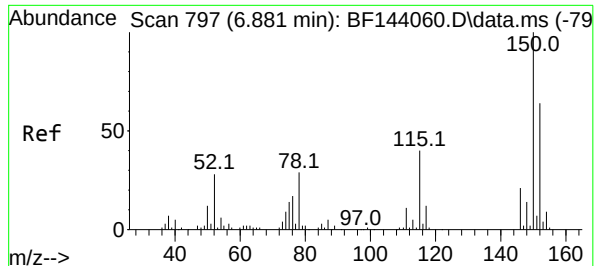
Quant Time: Oct 24 17:01:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.951	154	35769	5.208	ng	98
53) 3-Nitroaniline	9.875	138	8780	4.792	ng	97
55) Dibenzofuran	10.122	168	53591	5.620	ng	95
57) 2,4-Dinitrotoluene	10.104	165	9591	4.312	ng #	94
58) Fluorene	10.469	166	43217	5.948	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	10071	4.793	ng #	97
60) Diethylphthalate	10.333	149	40882	5.215	ng	97
61) 4-Chlorophenyl-phenyle...	10.457	204	22434	5.491	ng	97
62) 4-Nitroaniline	10.480	138	8315	4.789	ng	87
63) Azobenzene	10.616	77	37885	5.106	ng	96
66) n-Nitrosodiphenylamine	10.574	169	38552	5.599	ng	95
67) 4-Bromophenyl-phenylether	10.951	248	14748	5.466	ng	94
68) Hexachlorobenzene	11.016	284	16776	5.070	ng	96
69) Atrazine	11.098	200	12331	5.458	ng	95
71) Phenanthrene	11.433	178	57785	5.398	ng	99
72) Anthracene	11.486	178	63077	5.704	ng	97
73) Carbazole	11.645	167	50818	5.399	ng	98
74) Di-n-butylphthalate	11.969	149	58713	5.088	ng	99
75) Fluoranthene	12.627	202	63073	5.333	ng	97
78) Pyrene	12.857	202	68289	5.573	ng	98
80) Butylbenzylphthalate	13.474	149	21644	4.669	ng	94
81) Benzo(a)anthracene	14.045	228	57138	4.960	ng	99
83) Chrysene	14.080	228	56694	5.245	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	31727	5.013	ng	99
87) Indeno(1,2,3-cd)pyrene	17.039	276	64345	4.918	ng	98
88) Benzo(b)fluoranthene	15.104	252	54015	5.014	ng	97
89) Benzo(k)fluoranthene	15.133	252	57466	5.782	ng	99
90) Benzo(a)pyrene	15.474	252	49993	5.173	ng #	99
91) Dibenzo(a,h)anthracene	17.056	278	50377	4.865	ng	98
92) Benzo(g,h,i)perylene	17.486	276	50046	4.807	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

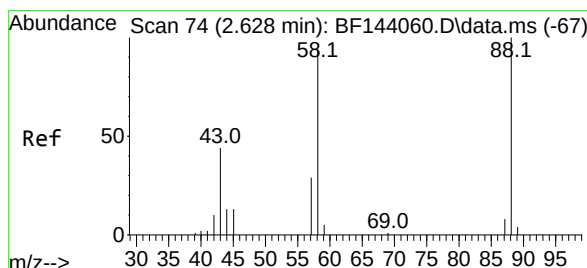
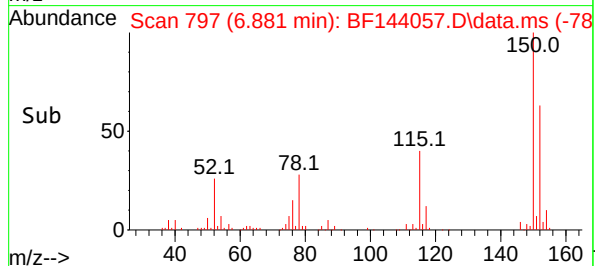
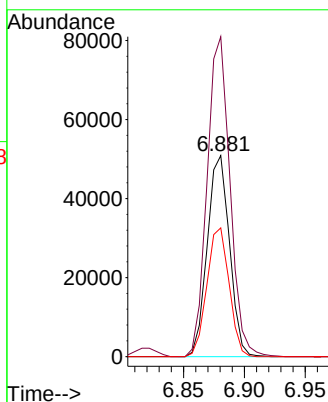
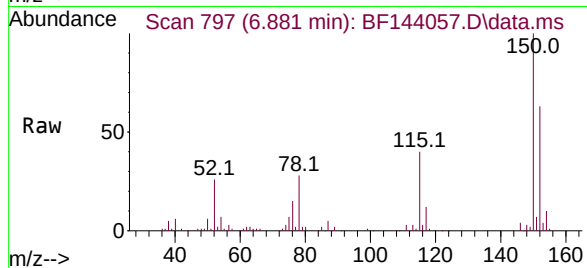
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- 2
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- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

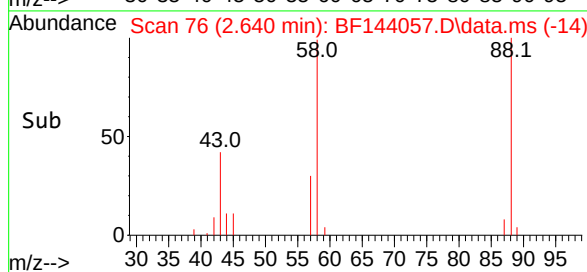
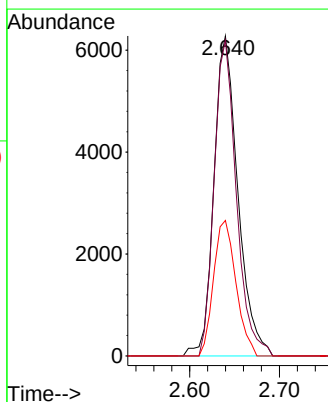
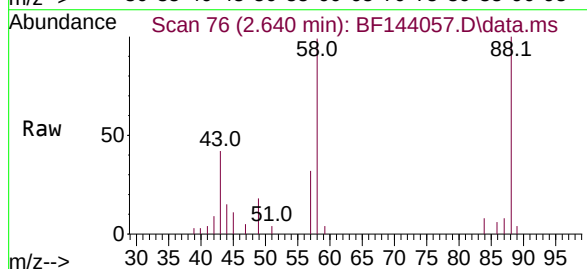
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

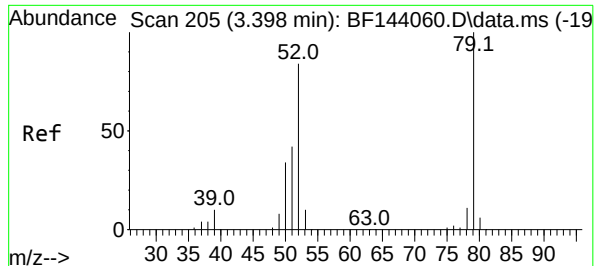
Tgt Ion:152 Resp: 64729
Ion Ratio Lower Upper
152 100
150 159.2 124.4 186.6
115 64.1 49.4 74.0



#2
1,4-Dioxane
Concen: 6.619 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.012 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion: 88 Resp: 11703
Ion Ratio Lower Upper
88 100
58 91.4 76.5 114.7
43 39.6 35.3 52.9





#3

Pyridine

Concen: 4.769 ng

RT: 3.428 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

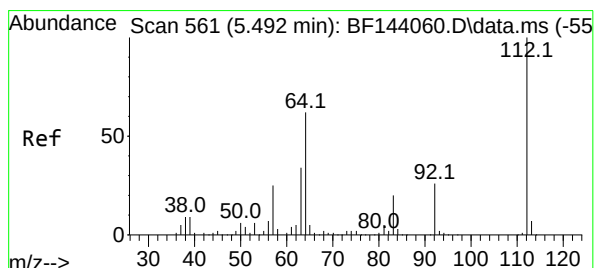
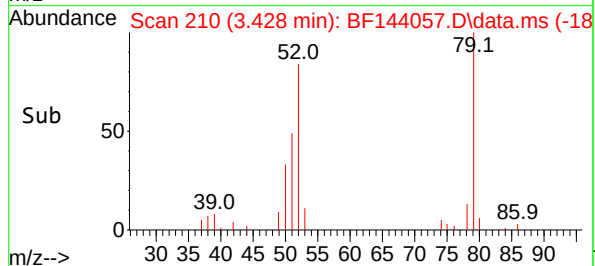
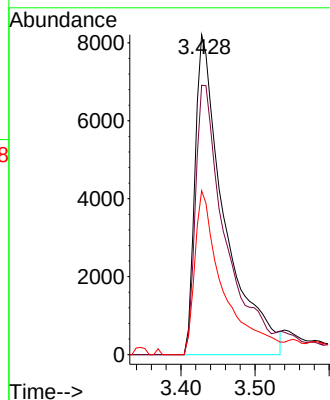
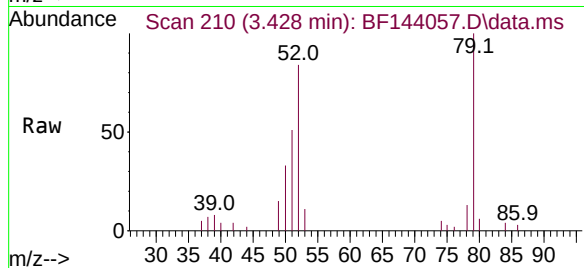
Tgt Ion: 79 Resp: 22571

Ion Ratio Lower Upper

79 100

52 84.2 67.5 101.3

51 51.2 33.6 50.4#



#5

2-Fluorophenol

Concen: 10.471 ng

RT: 5.492 min Scan# 561

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

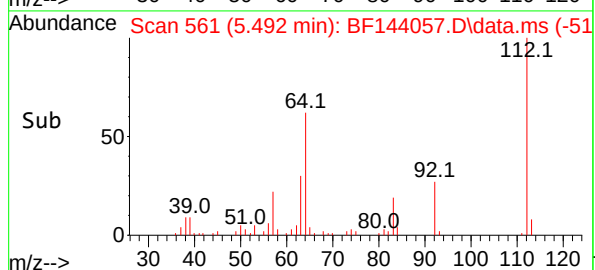
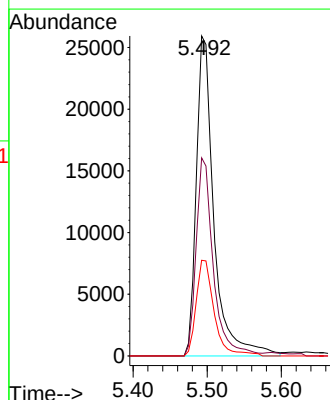
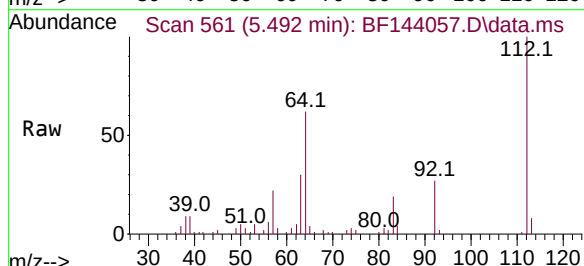
Tgt Ion: 112 Resp: 42841

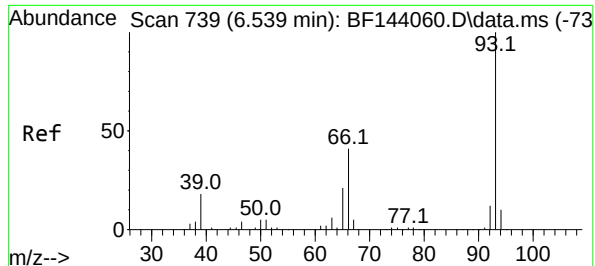
Ion Ratio Lower Upper

112 100

64 61.9 49.8 74.8

63 29.9 27.4 41.2

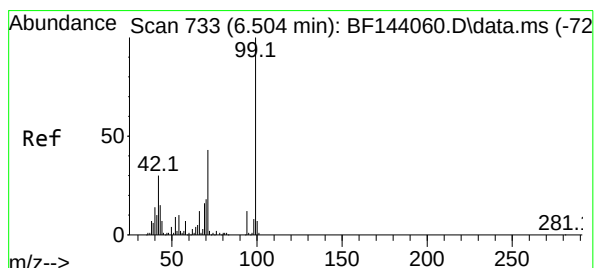
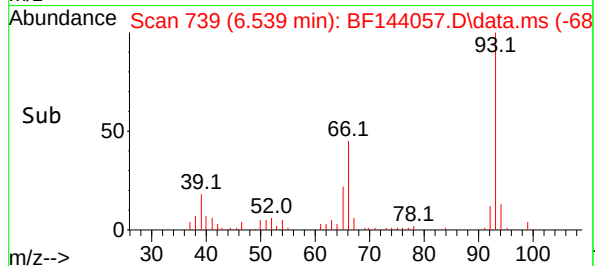
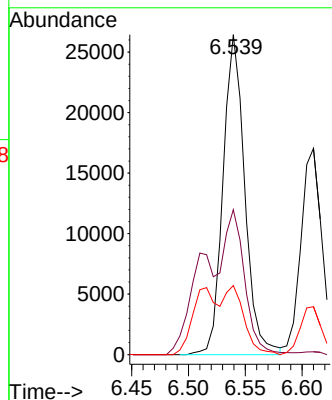
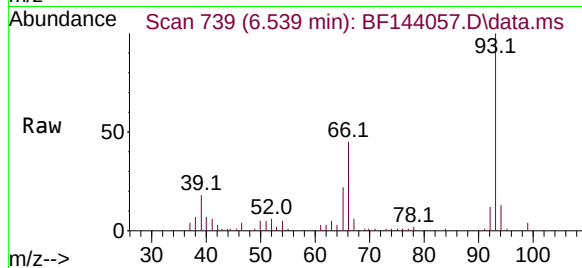




#6
Aniline
Concen: 5.441 ng
RT: 6.539 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

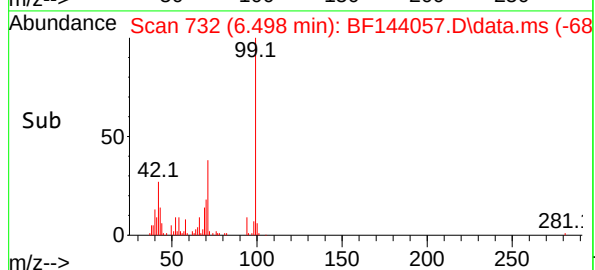
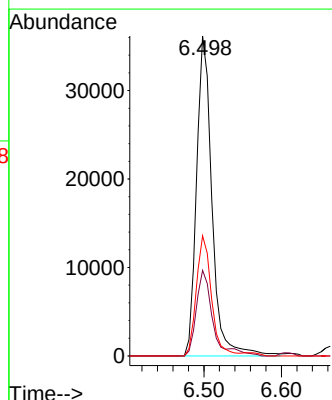
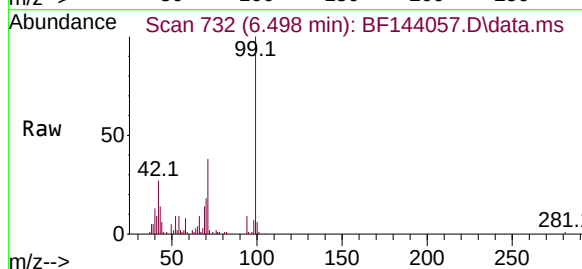
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

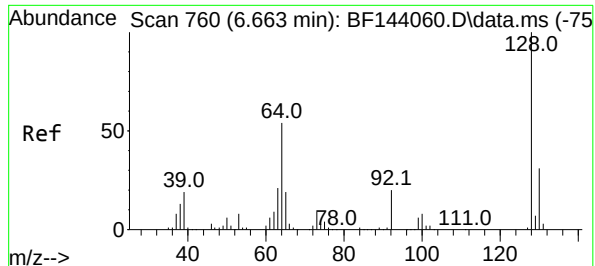
Tgt Ion: 93 Resp: 35169
Ion Ratio Lower Upper
93 100
66 45.3 35.7 53.5
65 21.6 17.0 25.6



#7
Phenol-d6
Concen: 11.088 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion: 99 Resp: 50099
Ion Ratio Lower Upper
99 100
42 26.7 23.9 35.9
71 37.5 34.4 51.6





#8

2-Chlorophenol

Concen: 5.615 ng

RT: 6.663 min Scan# 70

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

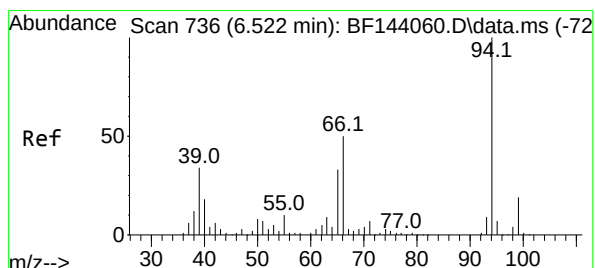
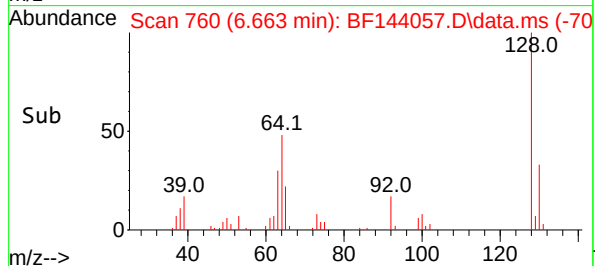
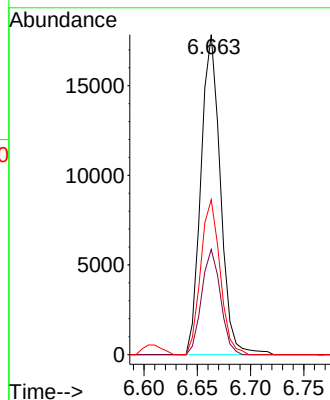
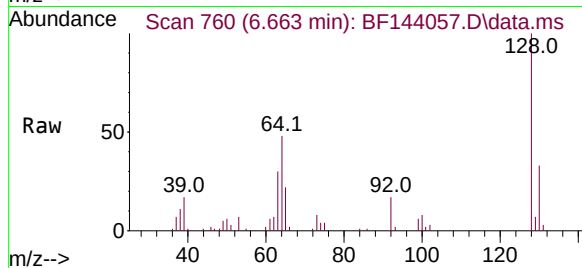
Tgt Ion:128 Resp: 22623

Ion Ratio Lower Upper

128 100

130 32.9 10.7 50.7

64 48.4 34.7 74.7



#10

Phenol

Concen: 5.505 ng

RT: 6.516 min Scan# 735

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

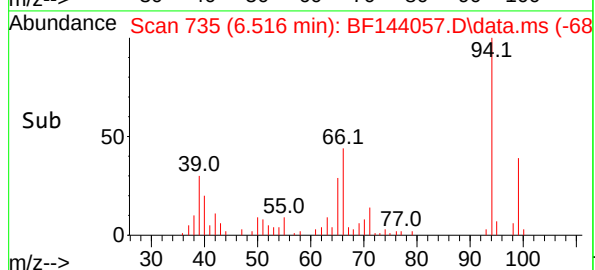
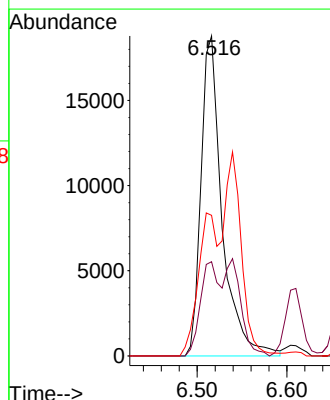
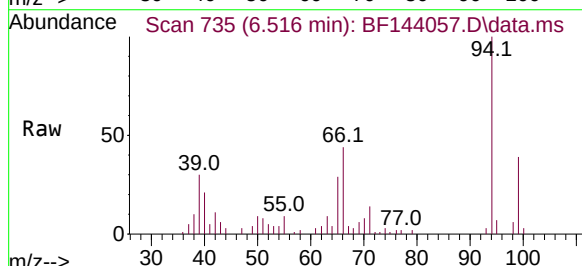
Tgt Ion: 94 Resp: 30686

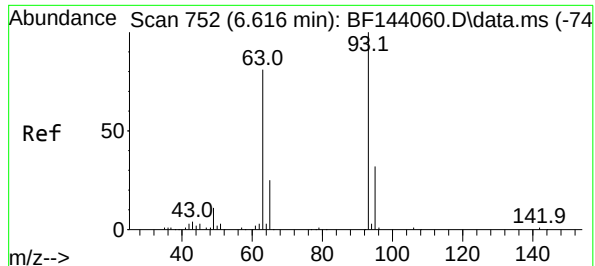
Ion Ratio Lower Upper

94 100

65 29.4 13.1 53.1

66 43.9 30.6 70.6

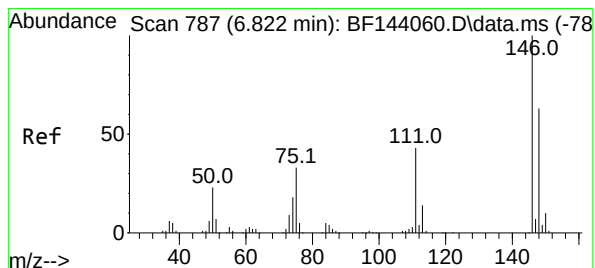
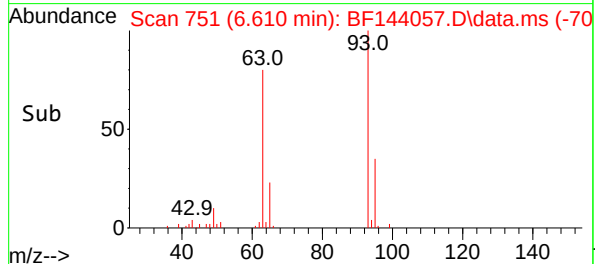
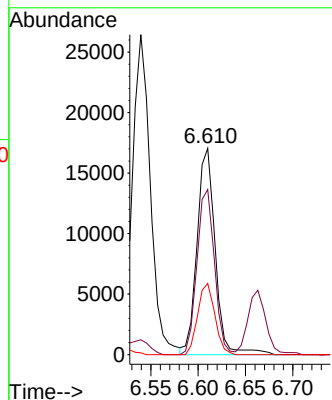
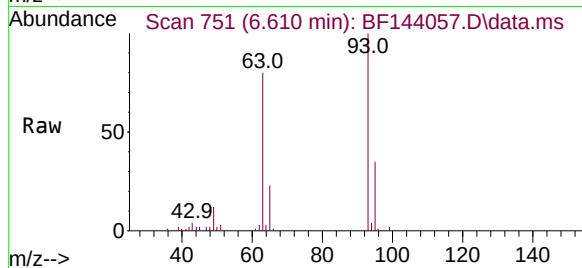




#11
bis(2-Chloroethyl)ether
Concen: 5.650 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

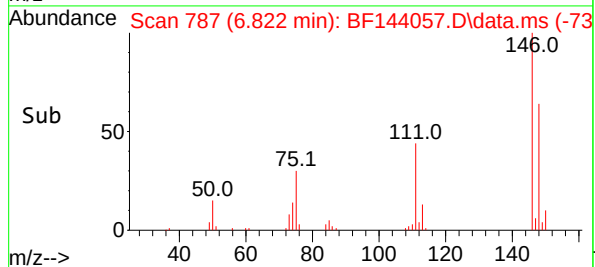
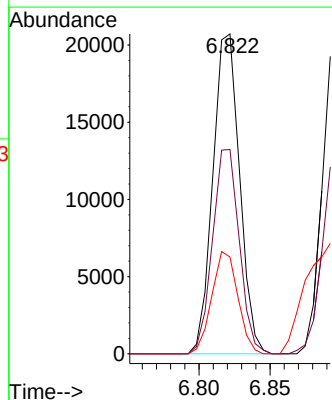
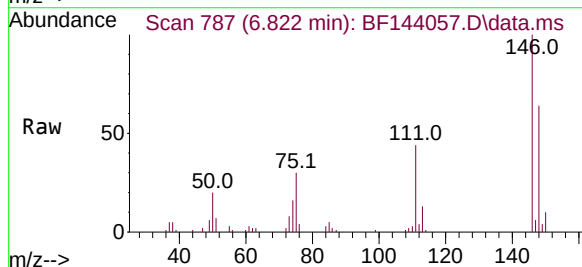
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

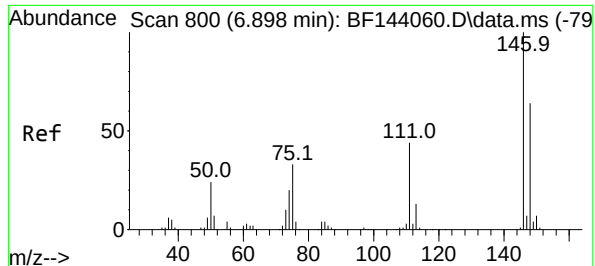
Tgt Ion: 93	Resp: 22757
Ion Ratio	Lower Upper
93 100	
63 80.0	60.2 100.2
95 34.5	12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 5.474 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion: 146	Resp: 27208
Ion Ratio	Lower Upper
146 100	
148 63.9	50.6 75.8
75 30.3	26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 5.433 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

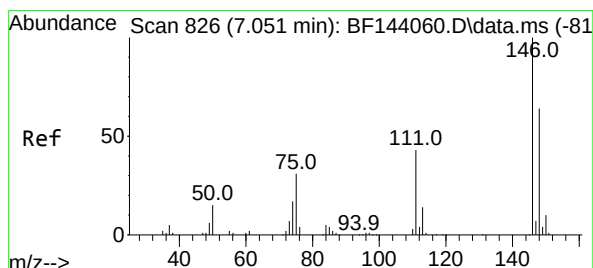
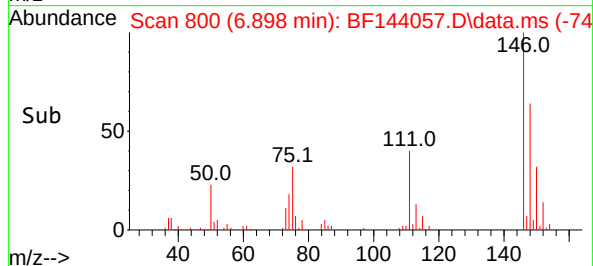
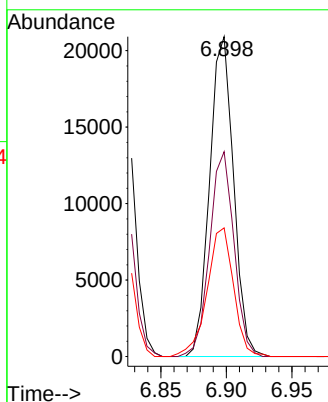
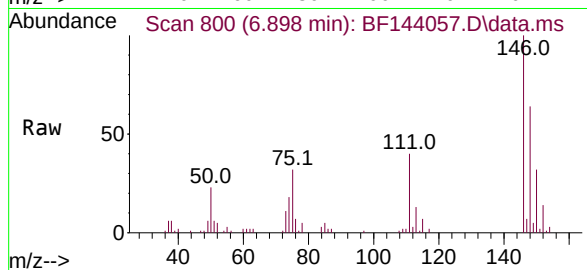
Tgt Ion:146 Resp: 26614

Ion Ratio Lower Upper

146 100

148 64.0 51.0 76.6

111 40.2 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 5.423 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

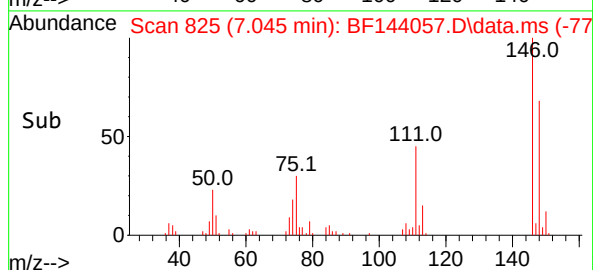
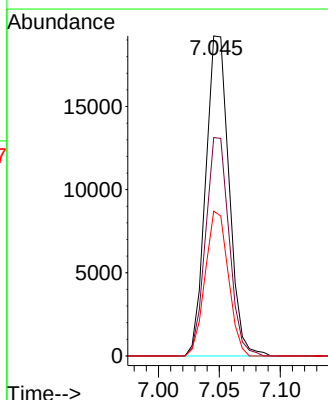
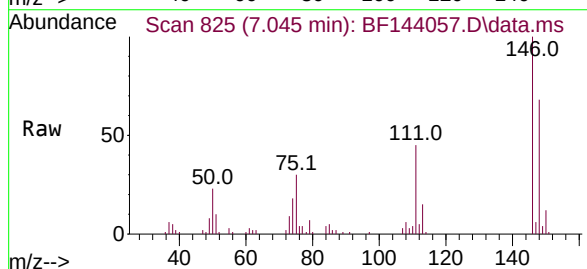
Tgt Ion:146 Resp: 25700

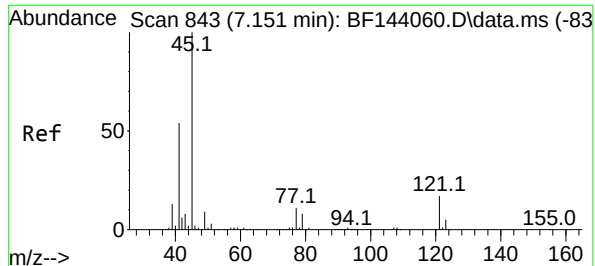
Ion Ratio Lower Upper

146 100

148 68.2 50.8 76.2

111 45.3 34.7 52.1





#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.474 ng

RT: 7.145 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

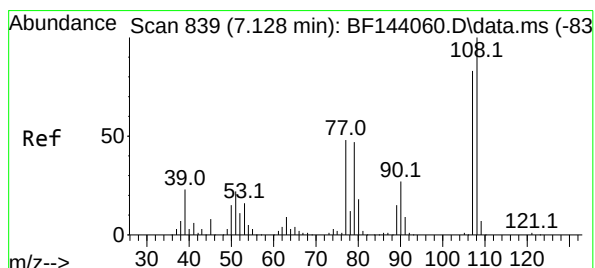
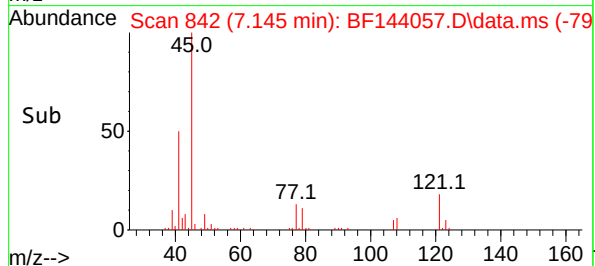
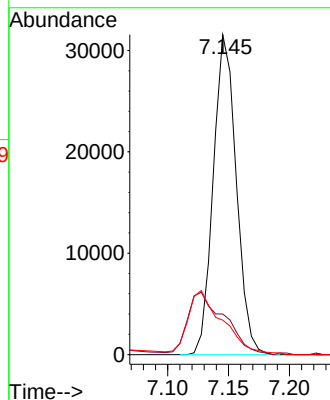
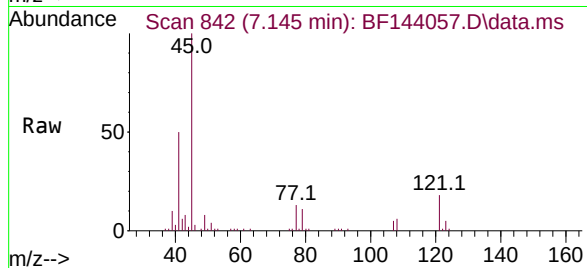
Tgt Ion: 45 Resp: 41443

Ion Ratio Lower Upper

45 100

77 12.7 0.0 30.9

79 10.8 0.0 28.2



#17

2-Methylphenol

Concen: 5.492 ng

RT: 7.128 min Scan# 839

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Tgt Ion: 107 Resp: 17019

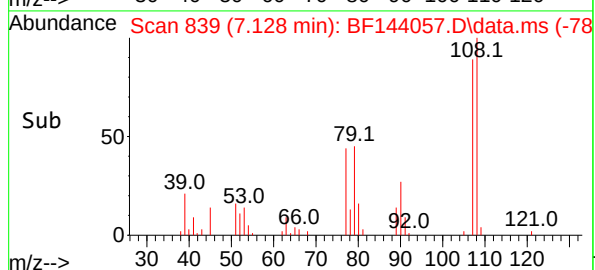
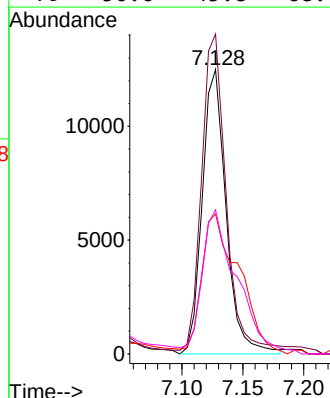
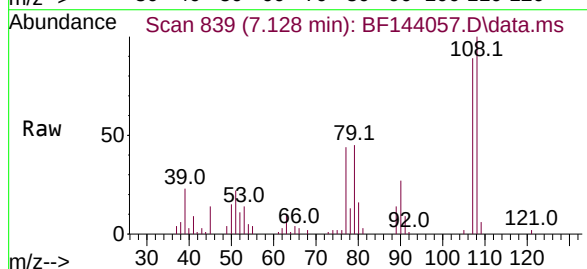
Ion Ratio Lower Upper

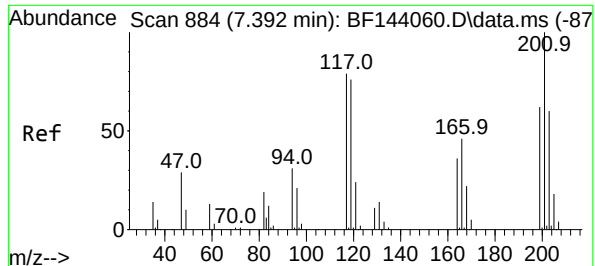
107 100

108 112.5 96.4 144.6

77 49.2 46.8 70.2

79 50.6 45.8 68.6





#18

Hexachloroethane

Concen: 5.108 ng

RT: 7.392 min Scan# 884

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

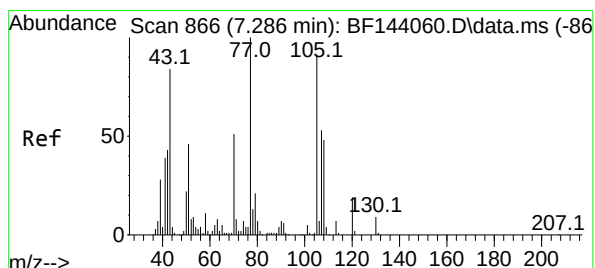
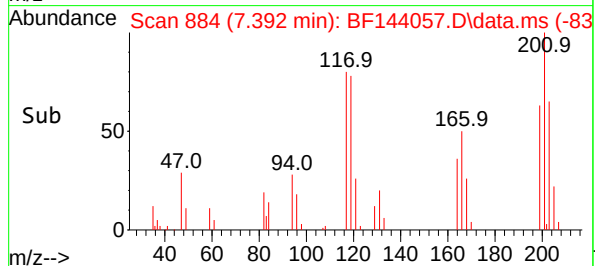
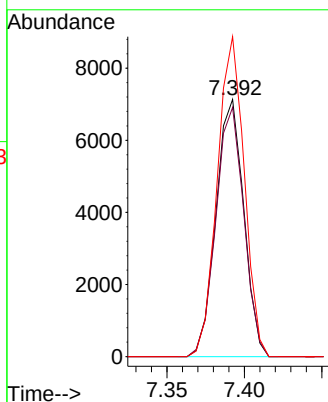
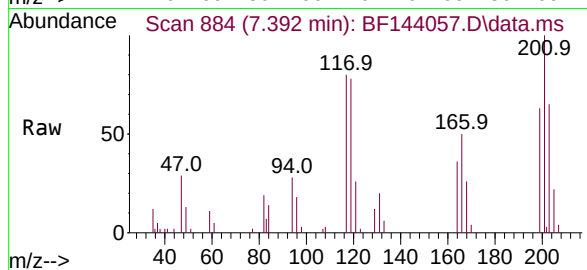
Tgt Ion:117 Resp: 8945

Ion Ratio Lower Upper

117 100

119 96.9 76.6 115.0

201 124.4 100.9 151.3



#19

n-Nitroso-di-n-propylamine

Concen: 5.380 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Tgt Ion: 70 Resp: 15719

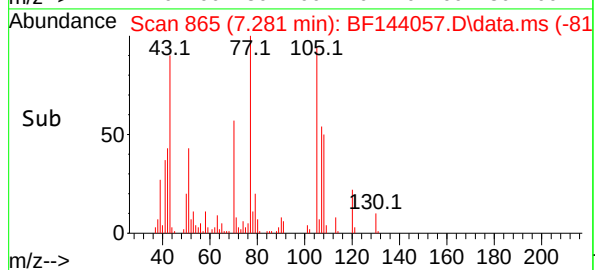
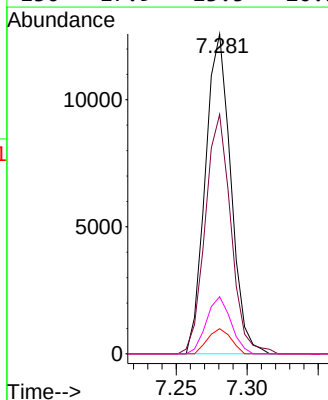
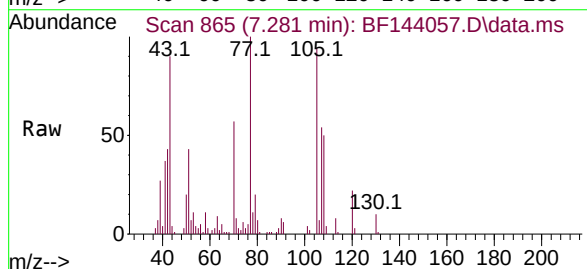
Ion Ratio Lower Upper

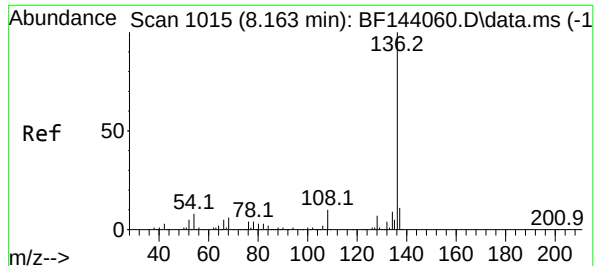
70 100

42 74.8 67.4 101.0

101 7.9 7.1 10.7

130 17.9 13.5 20.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF144057.D

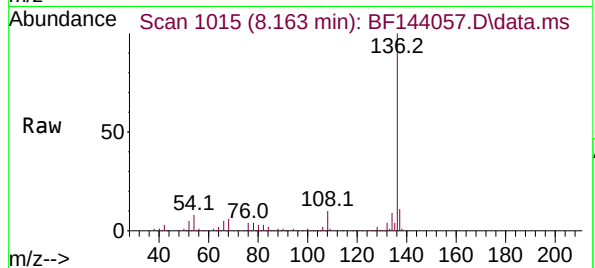
Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:136 Resp: 239688

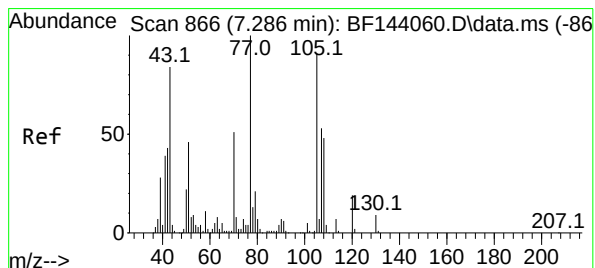
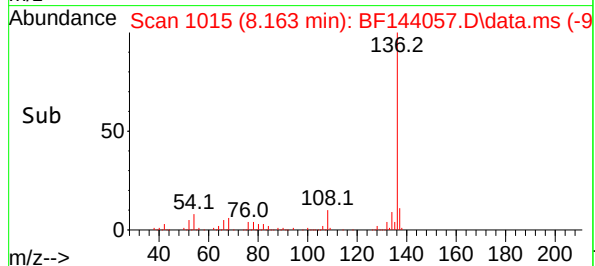
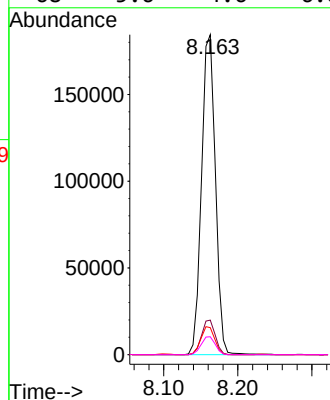
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.4 6.6 9.8

68 5.6 4.6 6.8



#22

Acetophenone

Concen: 5.471 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Tgt Ion:105 Resp: 28341

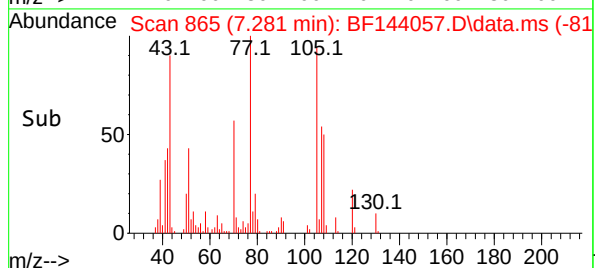
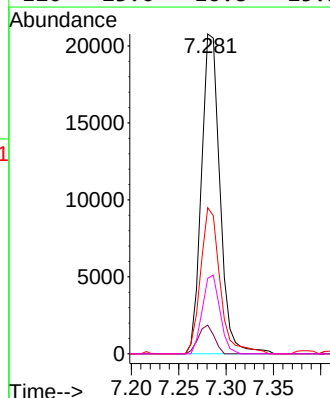
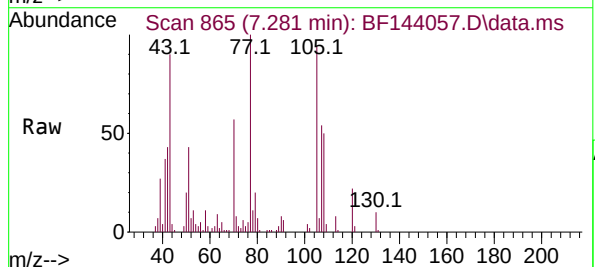
Ion Ratio Lower Upper

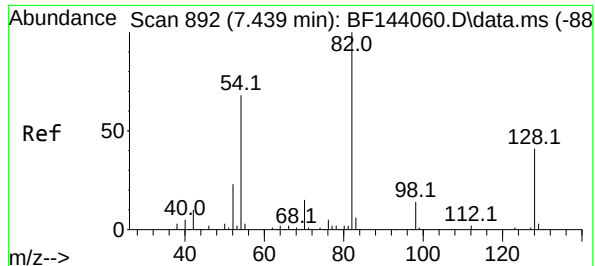
105 100

71 9.0 6.9 10.3

51 45.7 40.6 60.8

120 23.6 16.8 25.2





#23

Nitrobenzene-d5

Concen: 10.317 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

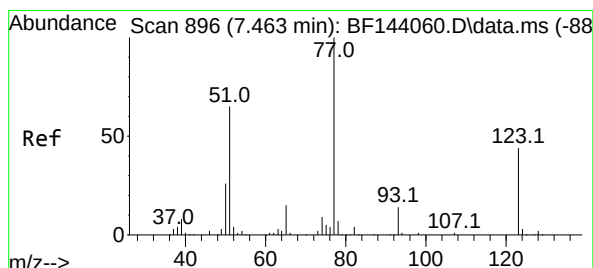
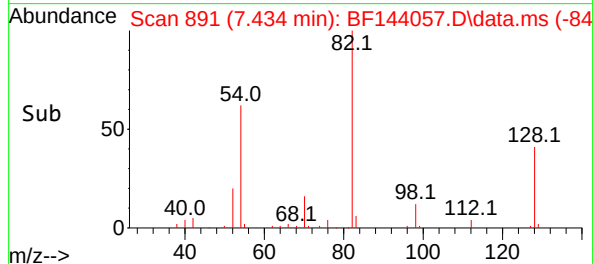
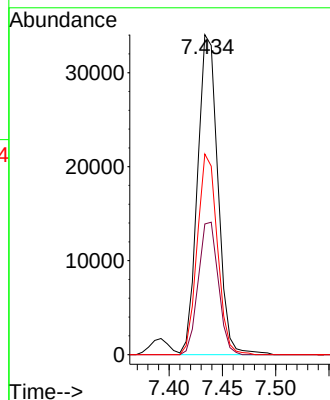
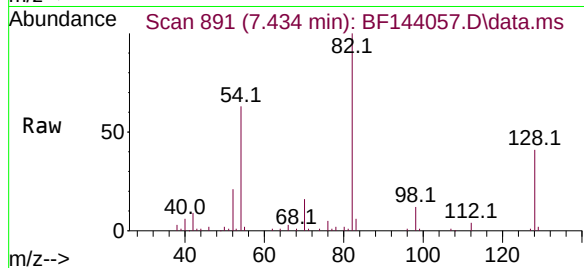
Tgt Ion: 82 Resp: 45136

Ion Ratio Lower Upper

82 100

128 40.9 32.4 48.6

54 62.7 54.0 81.0



#24

Nitrobenzene

Concen: 5.111 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

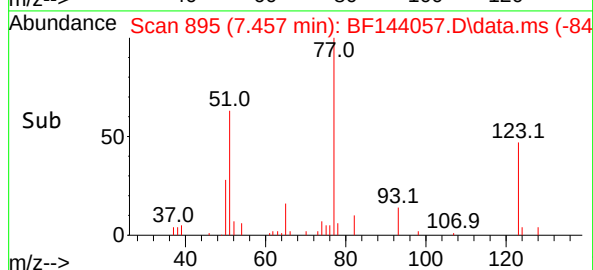
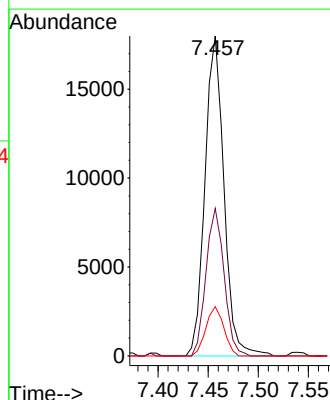
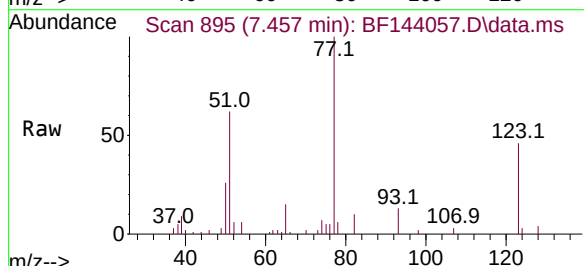
Tgt Ion: 77 Resp: 23655

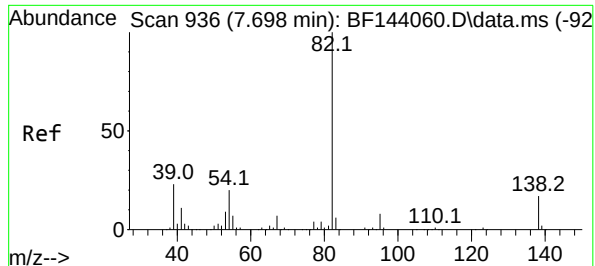
Ion Ratio Lower Upper

77 100

123 46.1 35.0 52.6

65 15.4 12.2 18.2

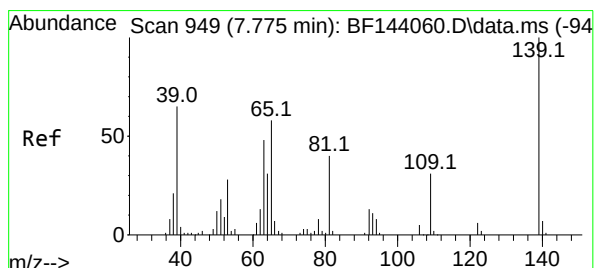
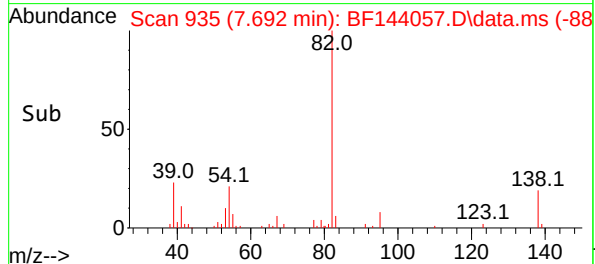
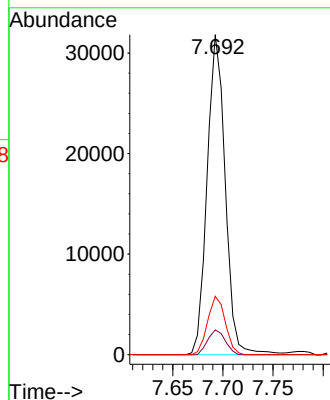
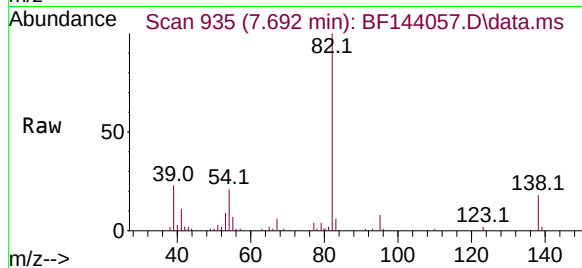




#25
Isophorone
Concen: 5.211 ng
RT: 7.692 min Scan# 936
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

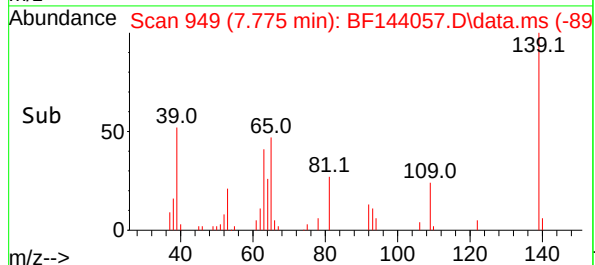
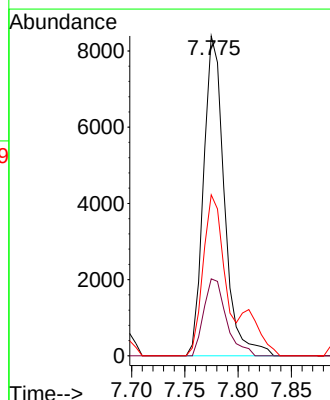
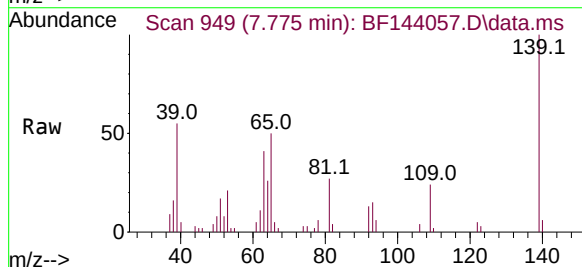
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

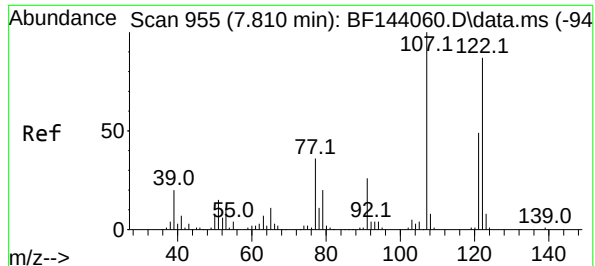
Tgt Ion:	82	Resp:	39860
Ion Ratio	Lower	Upper	
82	100		
95	7.7	6.6	9.8
138	18.2	13.8	20.8



#26
2-Nitrophenol
Concen: 5.166 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:	139	Resp:	11373
Ion Ratio	Lower	Upper	
139	100		
109	24.1	24.6	37.0#
65	50.3	46.6	69.8





#27

2,4-Dimethylphenol

Concen: 5.287 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

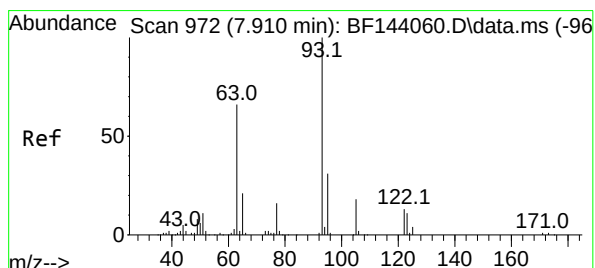
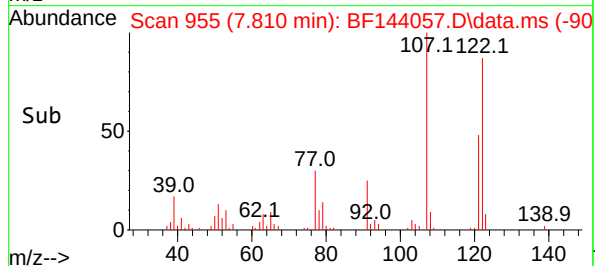
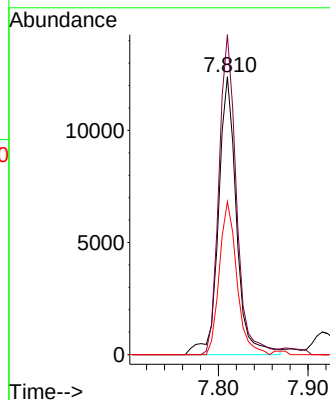
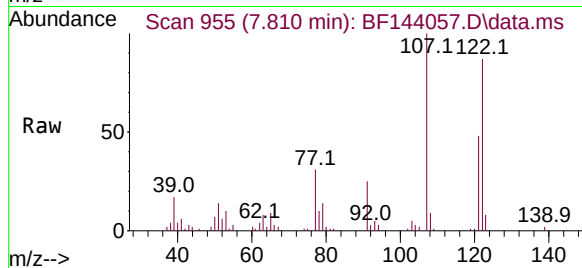
Tgt Ion:122 Resp: 17297

Ion Ratio Lower Upper

122 100

107 115.2 91.8 137.8

121 55.0 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 5.399 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

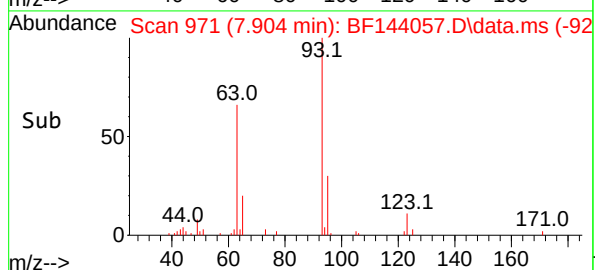
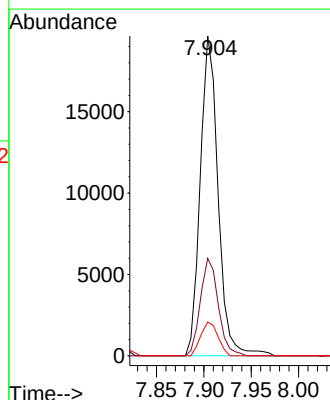
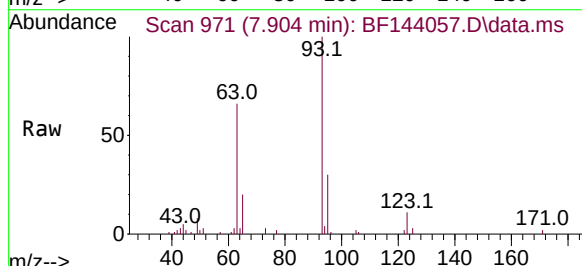
Tgt Ion: 93 Resp: 25751

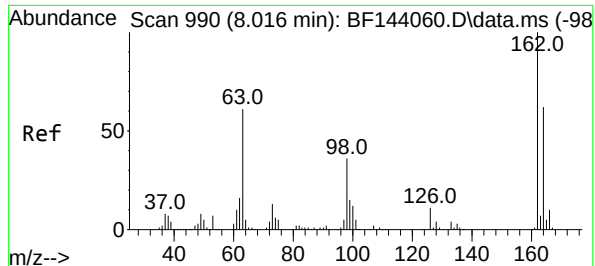
Ion Ratio Lower Upper

93 100

95 30.5 24.6 36.8

123 10.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 5.259 ng

RT: 8.022 min Scan# 99

Delta R.T. 0.006 min

Lab File: BF144057.D

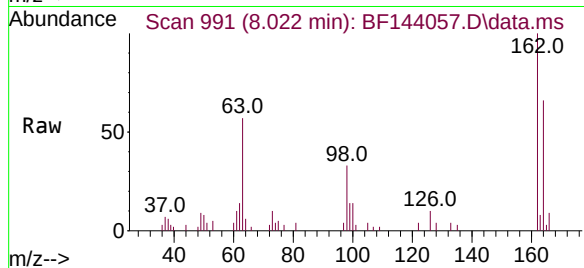
Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDIC005



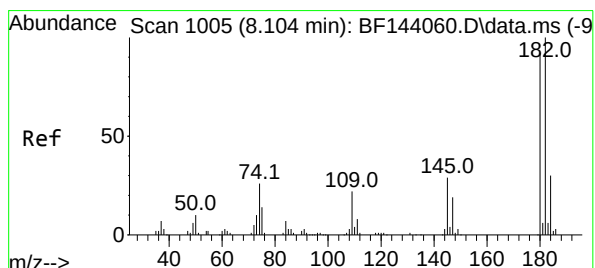
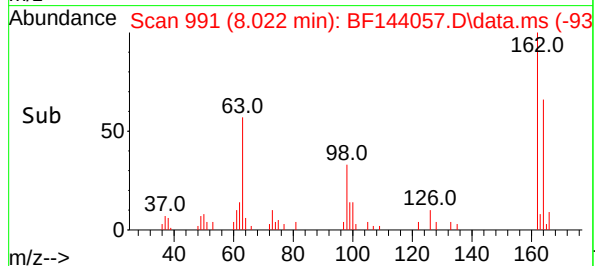
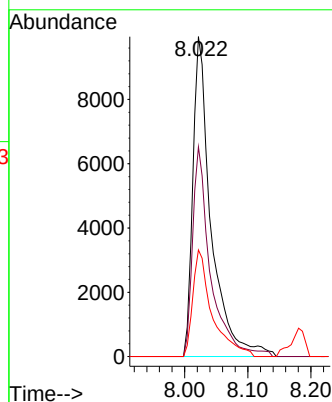
Tgt Ion:162 Resp: 20009

Ion Ratio Lower Upper

162 100

164 65.5 42.1 82.1

98 33.3 16.0 56.0



#30

1,2,4-Trichlorobenzene

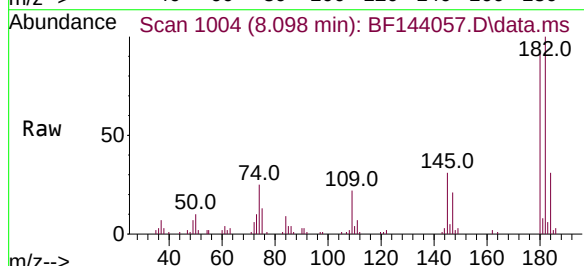
Concen: 5.263 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42



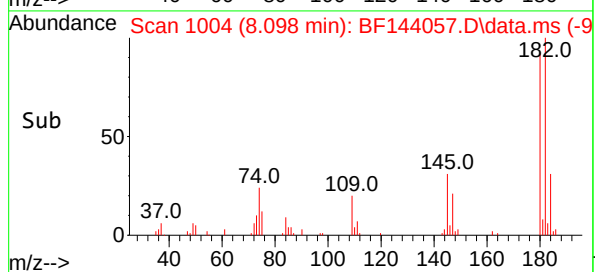
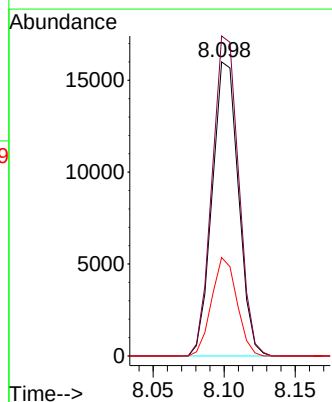
Tgt Ion:180 Resp: 20600

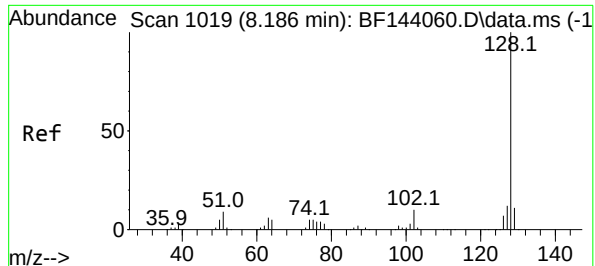
Ion Ratio Lower Upper

180 100

182 108.9 87.1 130.7

145 33.4 25.3 37.9





#31

Naphthalene

Concen: 5.585 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

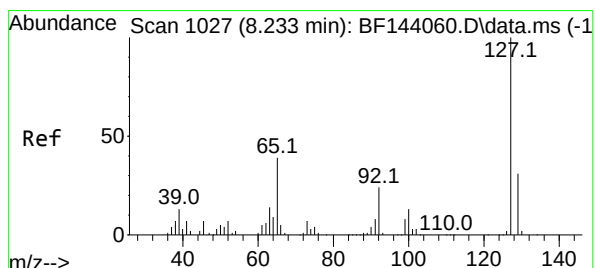
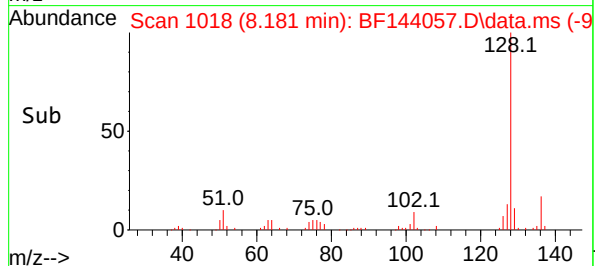
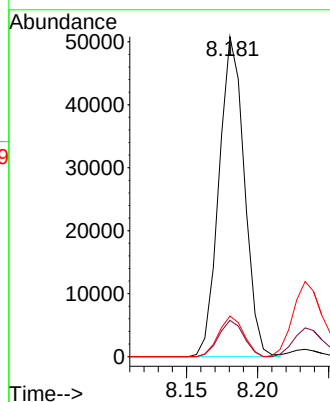
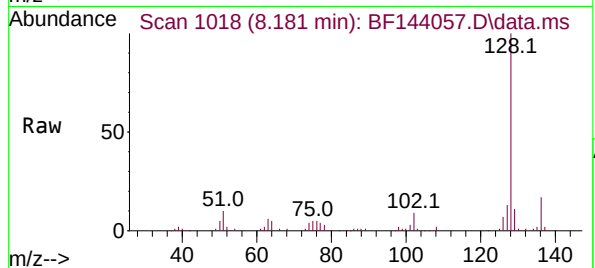
Tgt Ion:128 Resp: 63185

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

127 12.7 9.9 14.9



#33

4-Chloroaniline

Concen: 5.047 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Tgt Ion:127 Resp: 19875

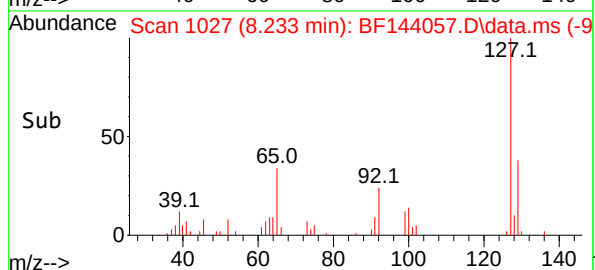
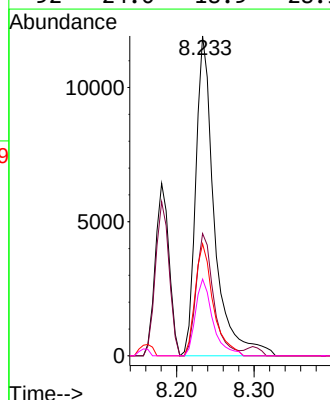
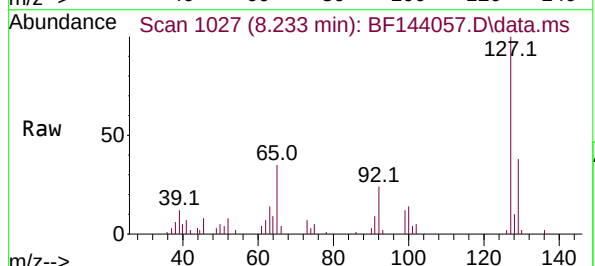
Ion Ratio Lower Upper

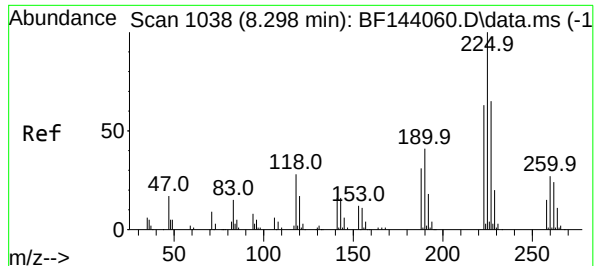
127 100

129 38.2 25.6 38.4

65 35.0 30.9 46.3

92 24.0 18.9 28.3





#34

Hexachlorobutadiene

Concen: 5.218 ng

RT: 8.298 min Scan# 1038

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

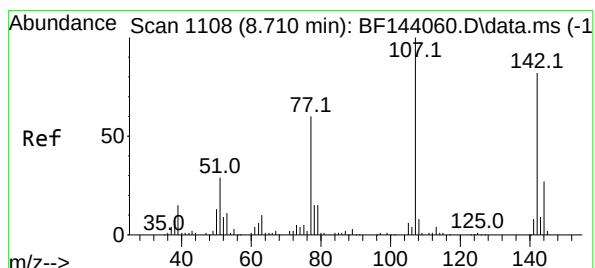
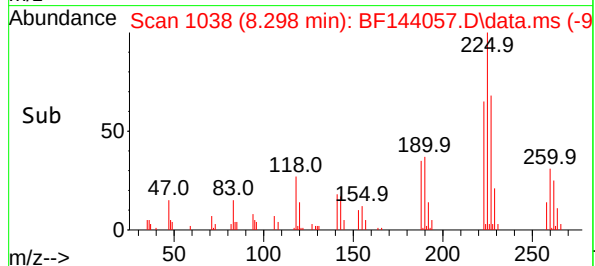
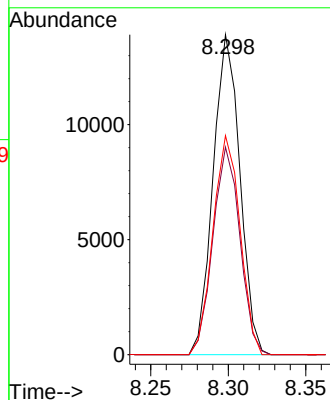
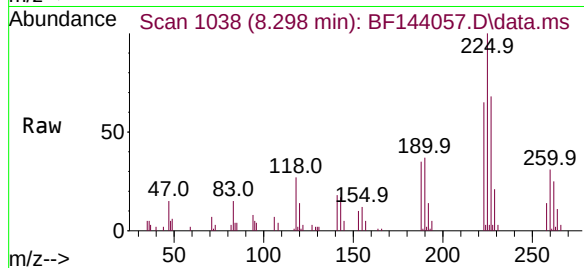
Tgt Ion:225 Resp: 16702

Ion Ratio Lower Upper

225 100

223 64.8 50.6 76.0

227 68.4 51.8 77.8



#36

4-Chloro-3-methylphenol

Concen: 5.384 ng

RT: 8.710 min Scan# 1108

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

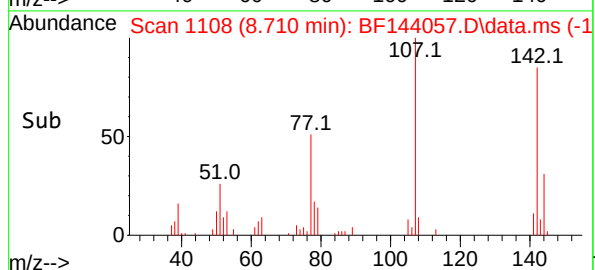
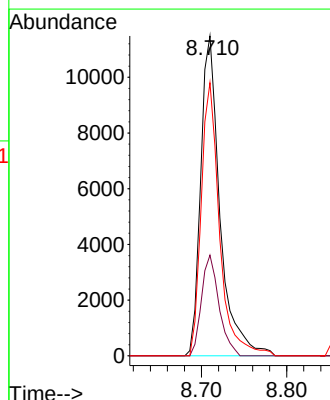
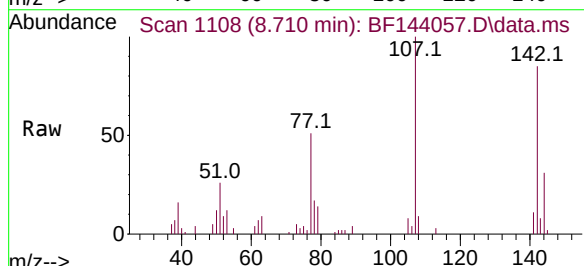
Tgt Ion:107 Resp: 18077

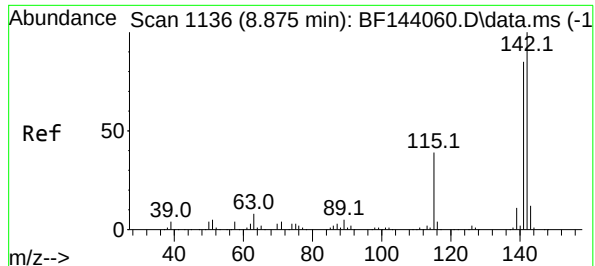
Ion Ratio Lower Upper

107 100

144 31.5 21.6 32.4

142 85.4 65.4 98.0





#37

2-Methylnaphthalene

Concen: 5.766 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

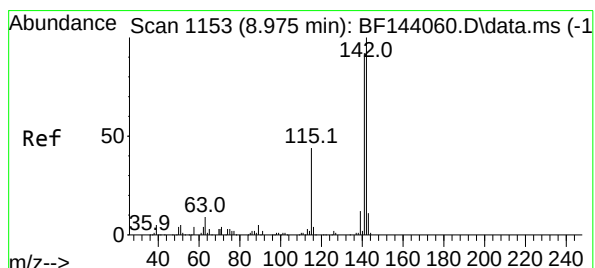
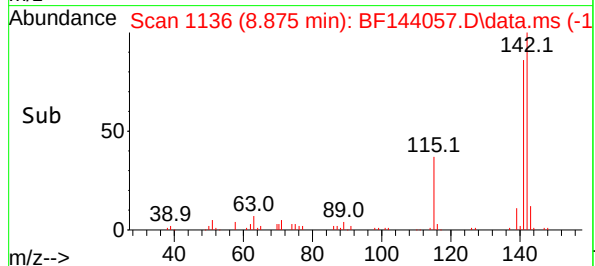
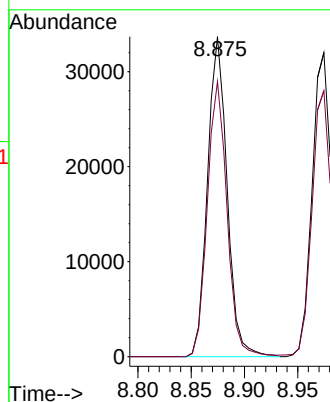
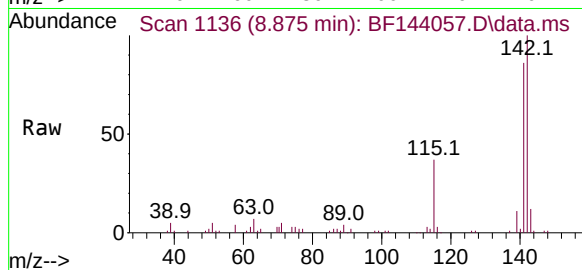
SSTDICC005

Tgt Ion:142 Resp: 43006

Ion Ratio Lower Upper

142 100

141 86.0 67.6 101.4



#38

1-Methylnaphthalene

Concen: 5.806 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF144057.D

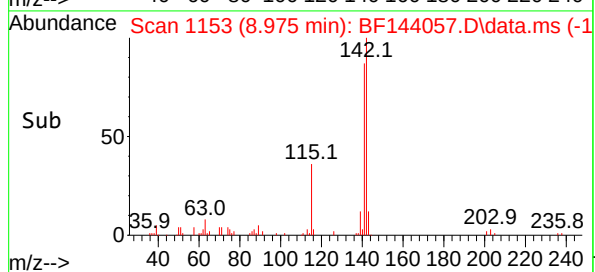
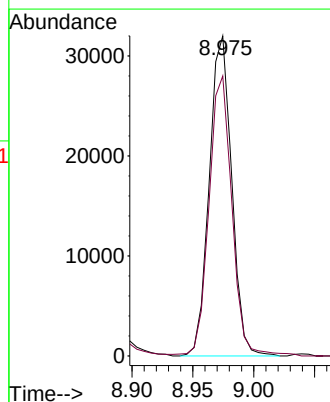
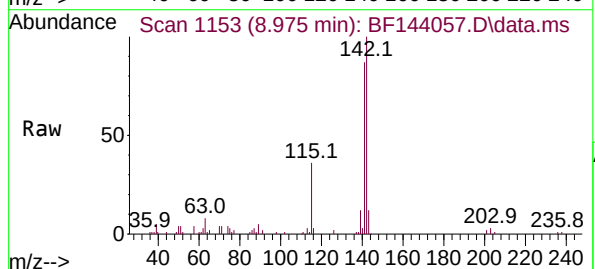
Acq: 24 Oct 2025 10:42

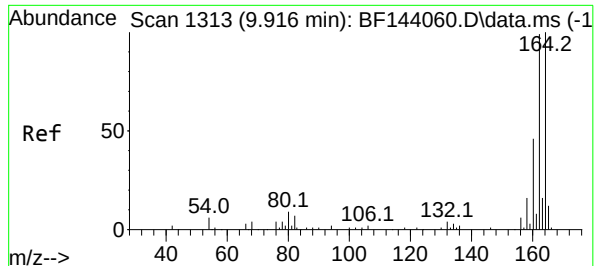
Tgt Ion:142 Resp: 41029

Ion Ratio Lower Upper

142 100

141 87.5 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

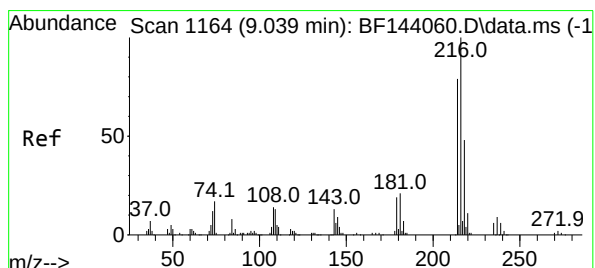
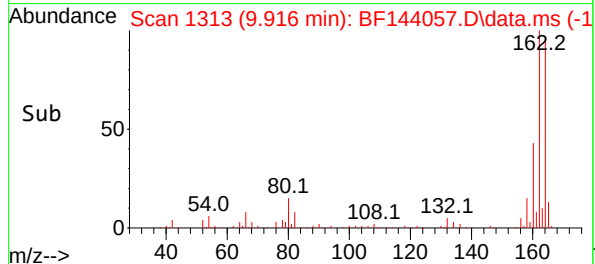
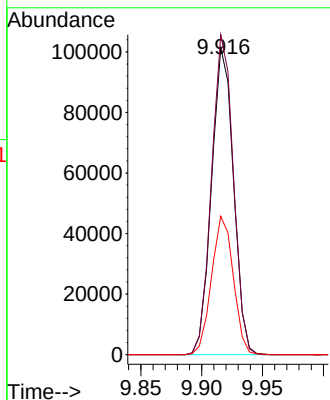
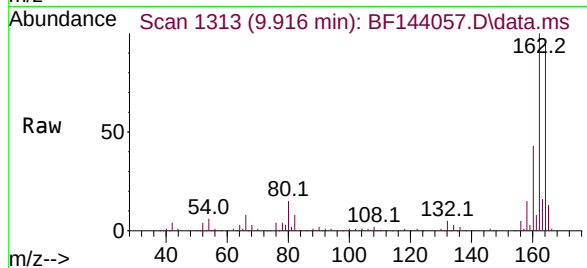
Tgt Ion:164 Resp: 127182

Ion Ratio Lower Upper

164 100

162 104.2 79.4 119.2

160 45.0 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.651 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Tgt Ion:216 Resp: 24701

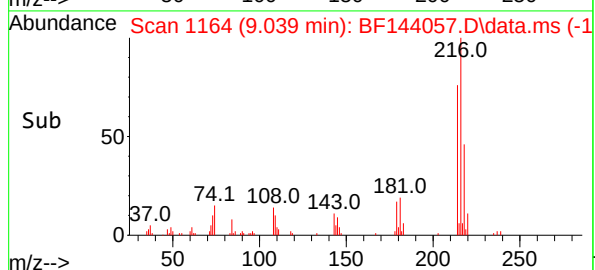
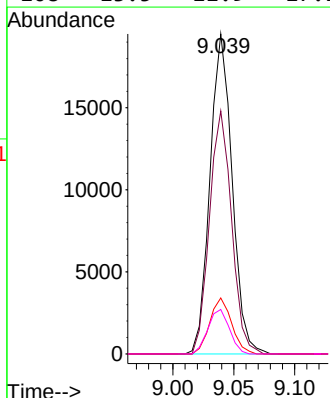
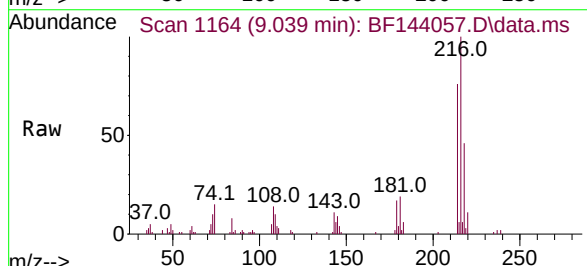
Ion Ratio Lower Upper

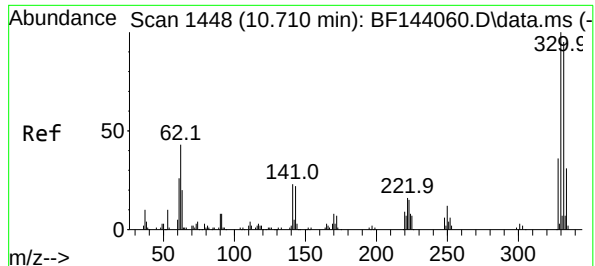
216 100

214 75.6 63.2 94.8

179 17.3 15.2 22.8

108 13.5 11.9 17.9





#42

2,4,6-Tribromophenol

Concen: 9.848 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

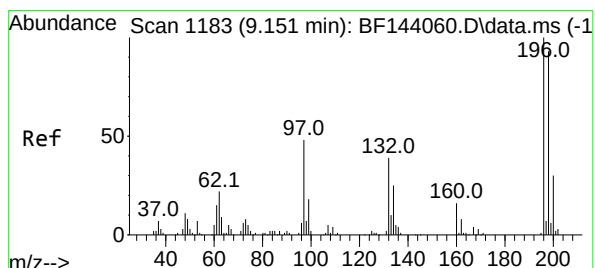
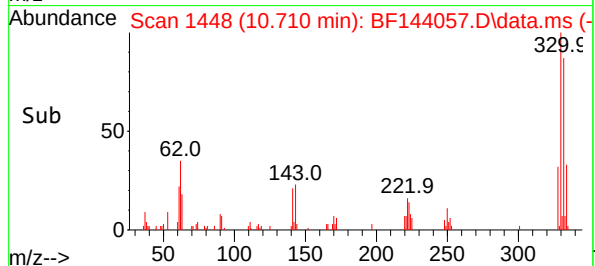
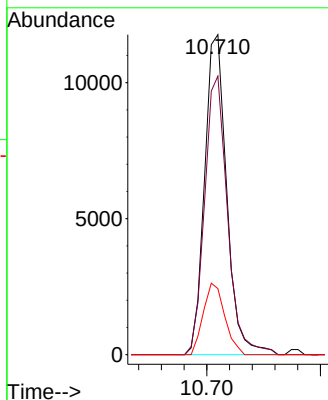
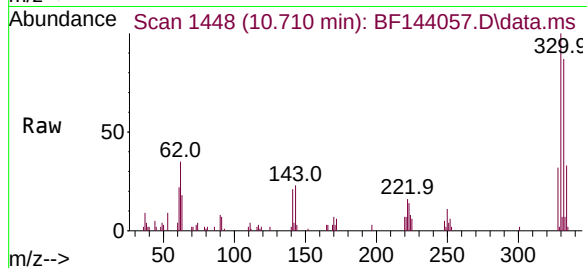
Tgt Ion:330 Resp: 15954

Ion Ratio Lower Upper

330 100

332 89.7 77.0 115.6

141 21.6 19.4 29.0



#43

2,4,6-Trichlorophenol

Concen: 4.813 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

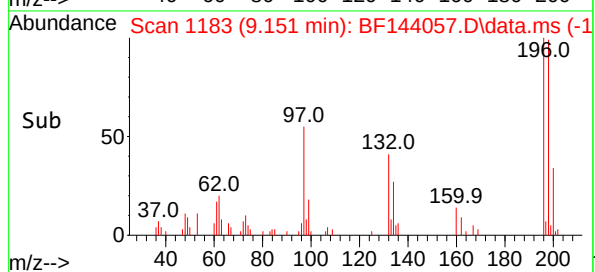
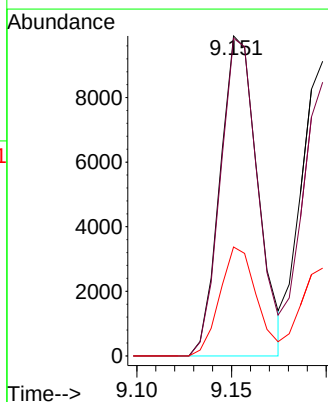
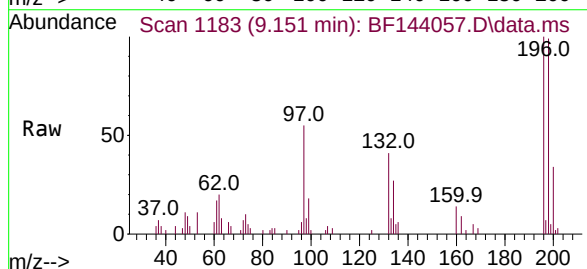
Tgt Ion:196 Resp: 13673

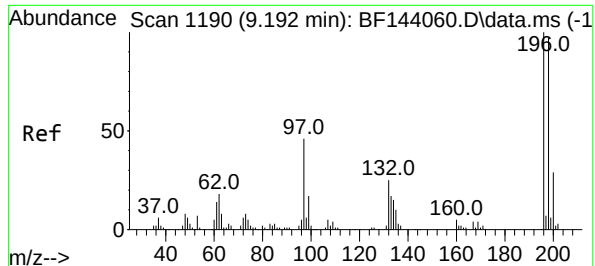
Ion Ratio Lower Upper

196 100

198 99.3 74.4 111.6

200 34.0 23.8 35.8





#44

2,4,5-Trichlorophenol

Concen: 5.208 ng

RT: 9.198 min Scan# 1190

Delta R.T. 0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:196 Resp: 15530

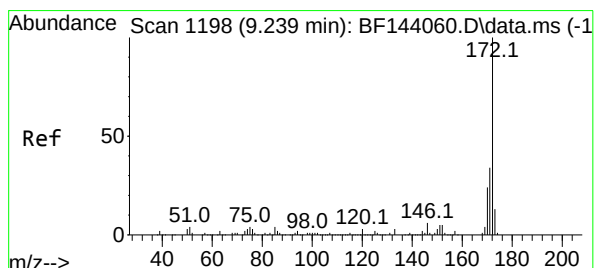
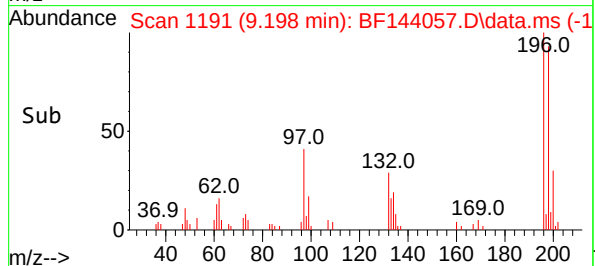
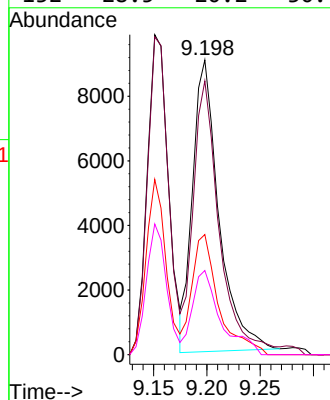
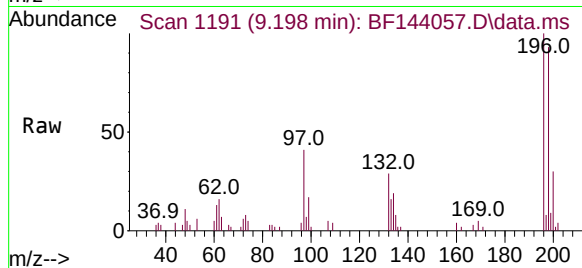
Ion Ratio Lower Upper

196 100

198 92.9 78.0 117.0

97 40.7 37.7 56.5

132 28.5 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 11.641 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

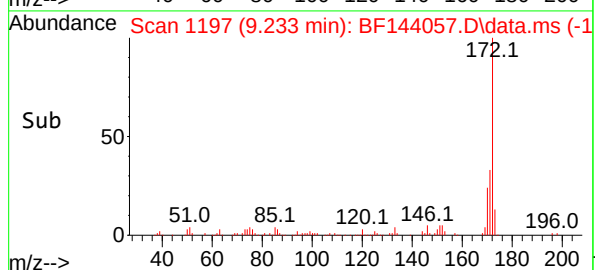
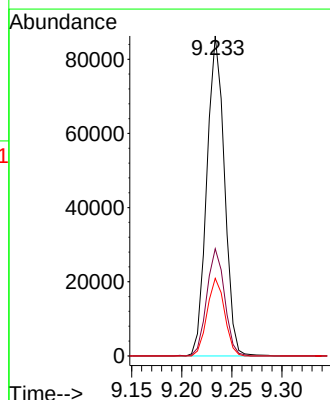
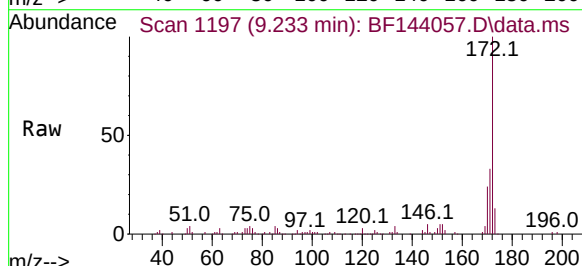
Tgt Ion:172 Resp: 105210

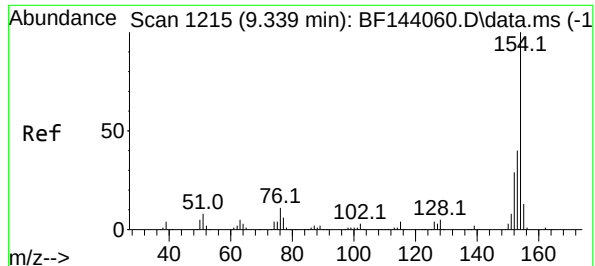
Ion Ratio Lower Upper

172 100

171 33.5 27.5 41.3

170 24.2 19.0 28.6





#46

1,1'-Biphenyl

Concen: 5.635 ng

RT: 9.333 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

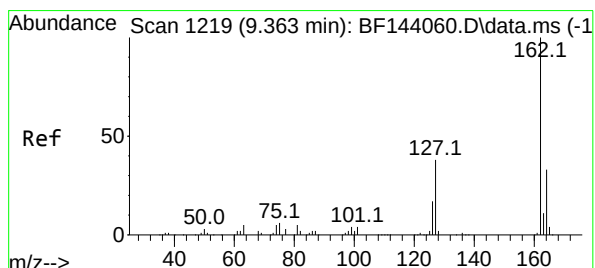
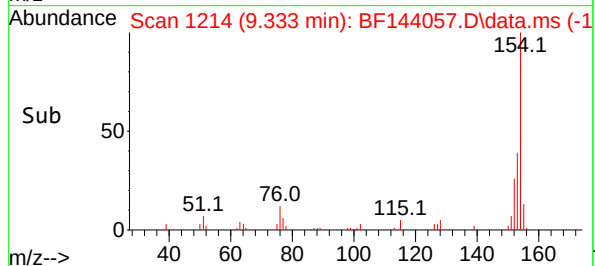
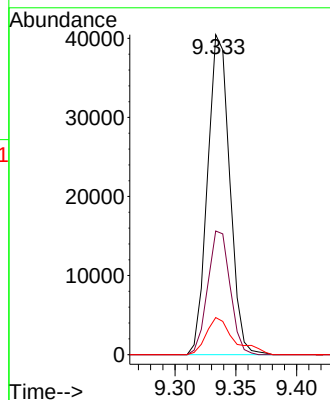
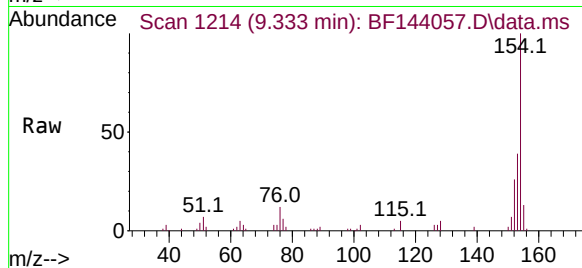
Tgt Ion:154 Resp: 51299

Ion Ratio Lower Upper

154 100

153 38.6 19.7 59.7

76 11.6 0.0 31.1



#47

2-Chloronaphthalene

Concen: 5.571 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

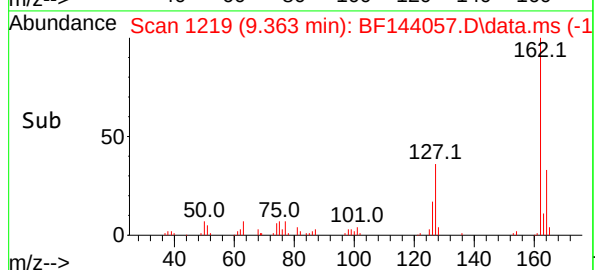
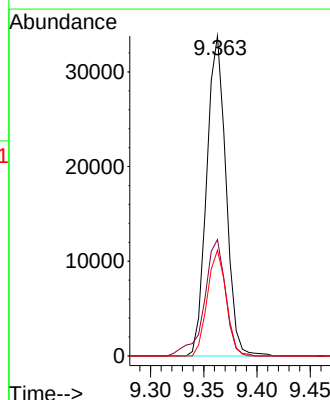
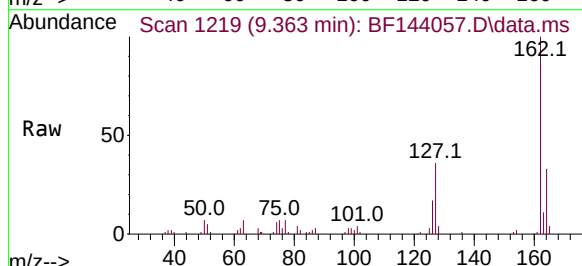
Tgt Ion:162 Resp: 42492

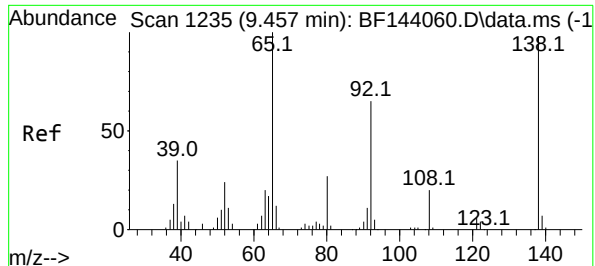
Ion Ratio Lower Upper

162 100

127 36.4 31.6 47.4

164 33.0 26.5 39.7





#48

2-Nitroaniline

Concen: 4.568 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

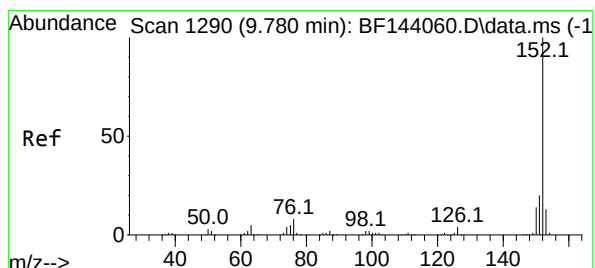
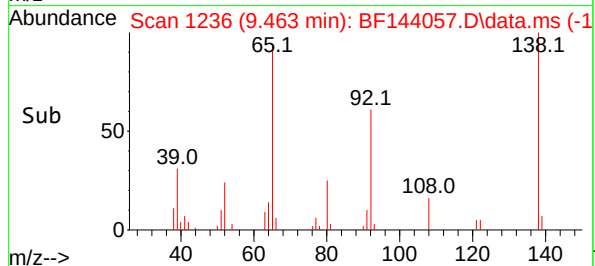
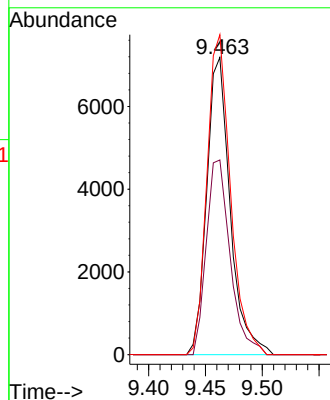
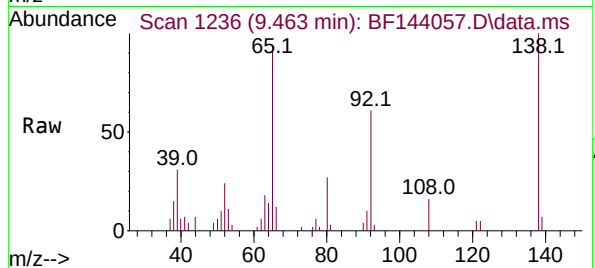
Tgt Ion: 65 Resp: 10347

Ion Ratio Lower Upper

65 100

92 65.5 52.3 78.5

138 107.7 78.3 117.5



#49

Acenaphthylene

Concen: 5.502 ng

RT: 9.775 min Scan# 1289

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

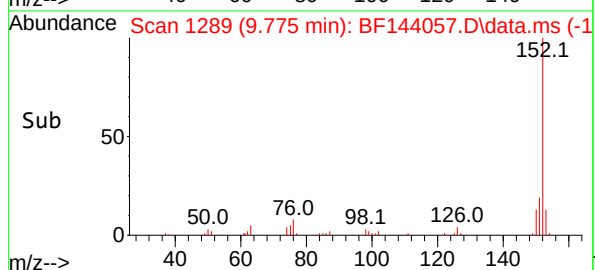
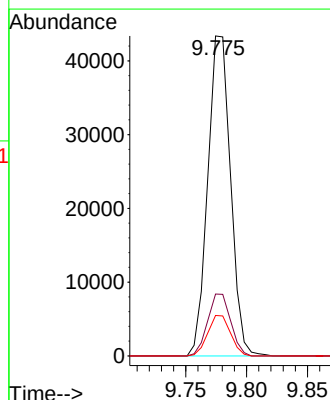
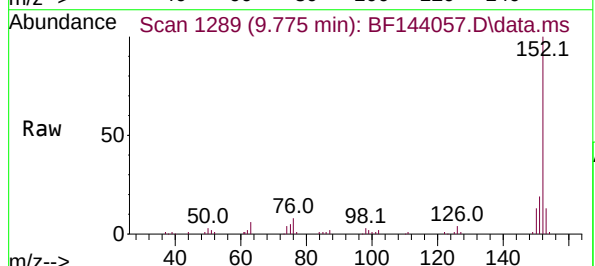
Tgt Ion: 152 Resp: 56586

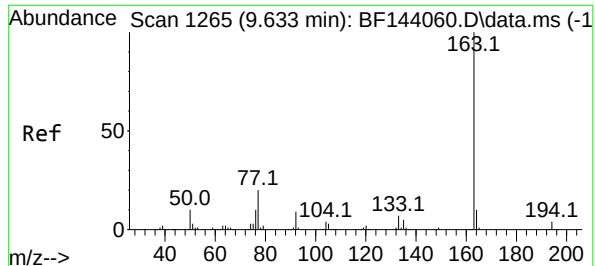
Ion Ratio Lower Upper

152 100

151 19.4 15.9 23.9

153 12.6 10.4 15.6

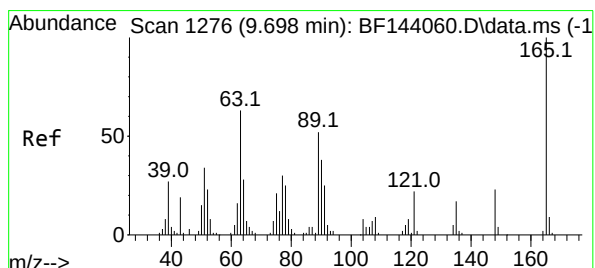
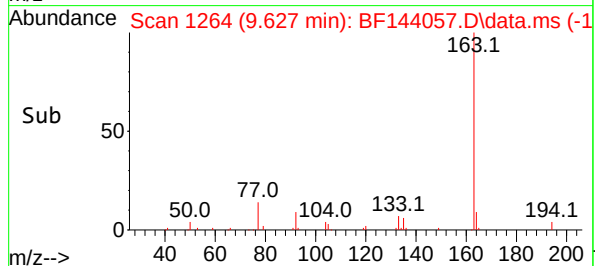
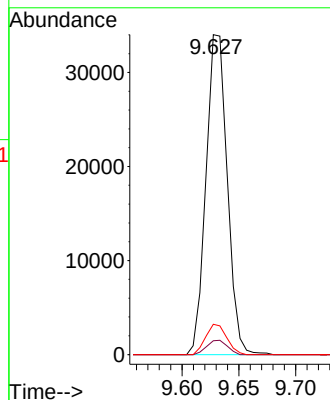
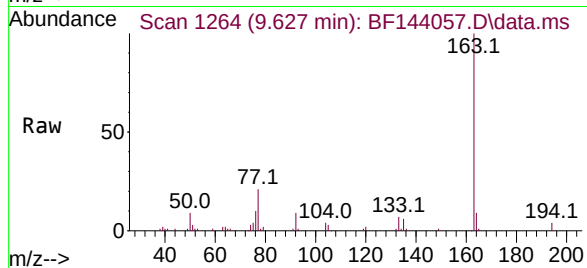




#50
Dimethylphthalate
Concen: 5.332 ng
RT: 9.627 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

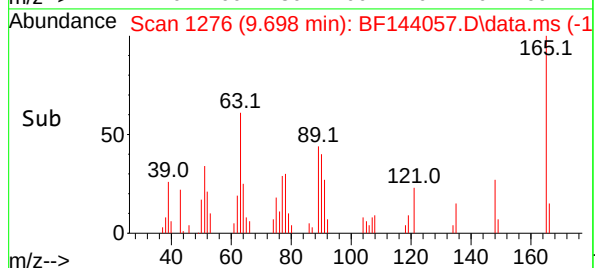
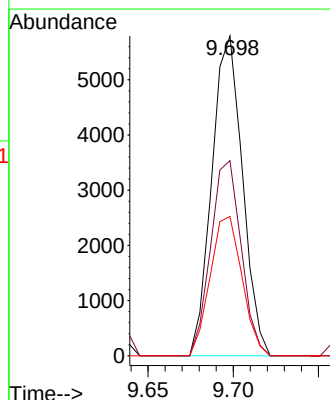
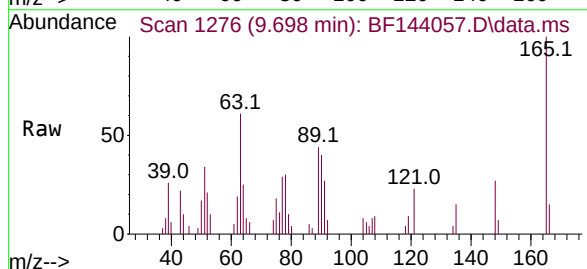
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

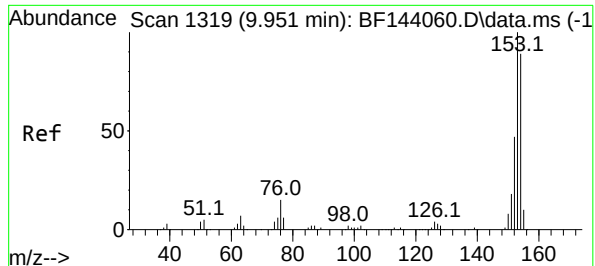
Tgt Ion:163 Resp: 44452
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 9.5 7.8 11.8



#51
2,6-Dinitrotoluene
Concen: 4.392 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:165 Resp: 7239
Ion Ratio Lower Upper
165 100
63 61.0 50.4 75.6
89 43.6 41.4 62.2





#52

Acenaphthene

Concen: 5.208 ng

RT: 9.951 min Scan# 1319

Delta R.T. -0.000 min

Lab File: BF144057.D

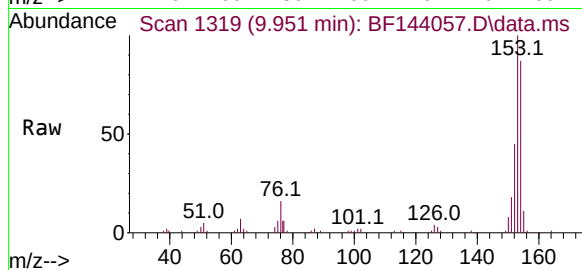
Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

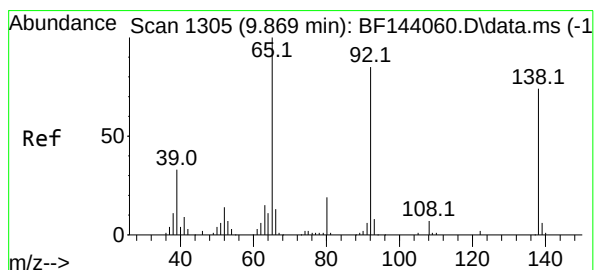
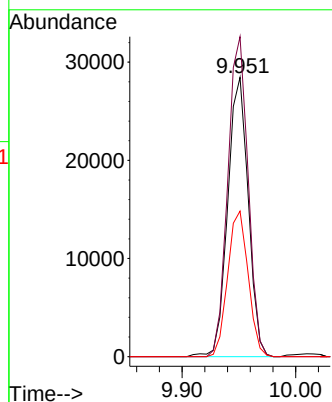
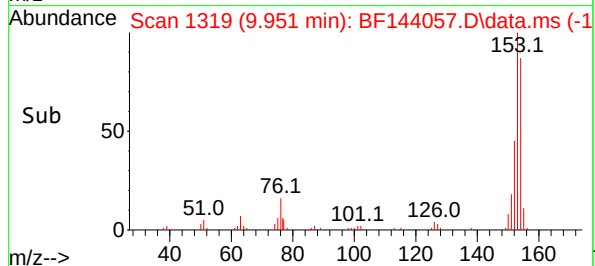
ClientSampleId :

SSTDICC005



Tgt Ion:154 Resp: 35769

Ion	Ratio	Lower	Upper
154	100		
153	114.6	89.9	134.9
152	52.1	42.0	63.0



#53

3-Nitroaniline

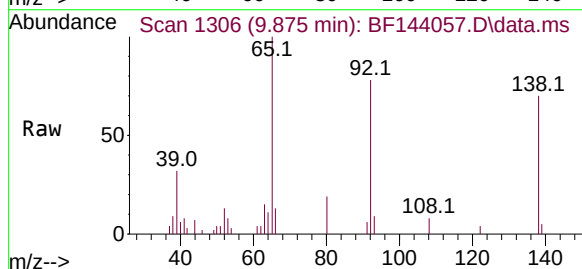
Concen: 4.792 ng

RT: 9.875 min Scan# 1306

Delta R.T. 0.006 min

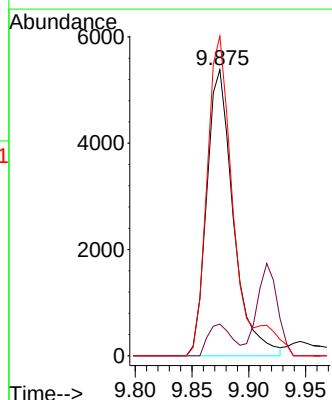
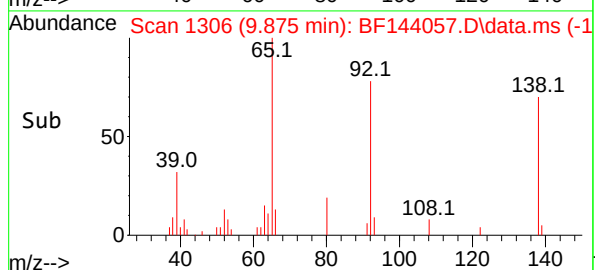
Lab File: BF144057.D

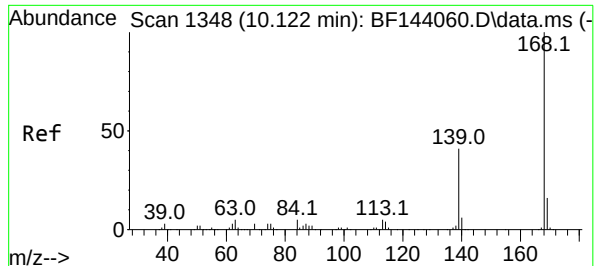
Acq: 24 Oct 2025 10:42



Tgt Ion:138 Resp: 8780

Ion	Ratio	Lower	Upper
138	100		
108	11.1	7.9	11.9
92	111.8	92.0	138.0





#55

Dibenzenofuran

Concen: 5.620 ng

RT: 10.122 min Scan# 1348

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

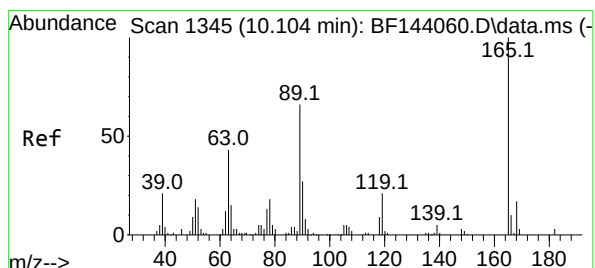
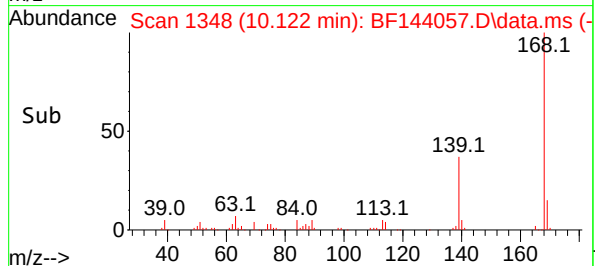
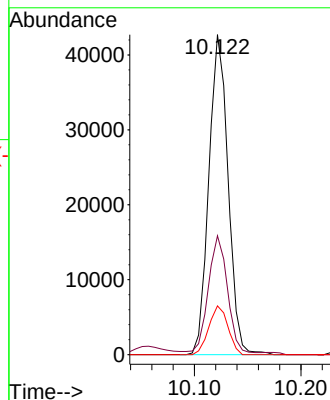
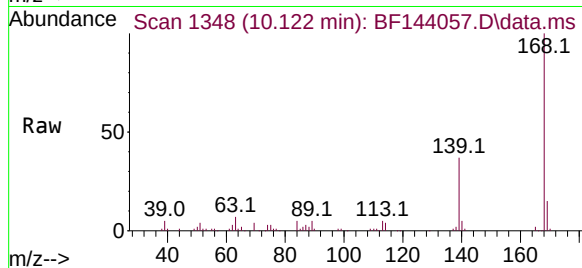
Tgt Ion:168 Resp: 53591

Ion Ratio Lower Upper

168 100

139 37.1 33.2 49.8

169 15.2 12.6 19.0



#57

2,4-Dinitrotoluene

Concen: 4.312 ng

RT: 10.104 min Scan# 1345

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Tgt Ion:165 Resp: 9591

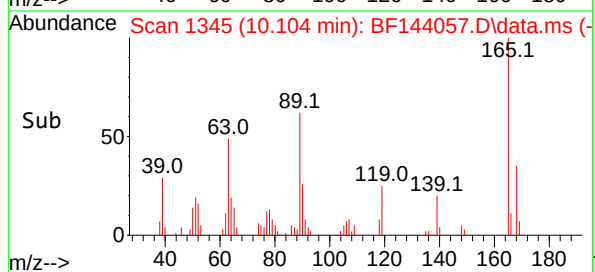
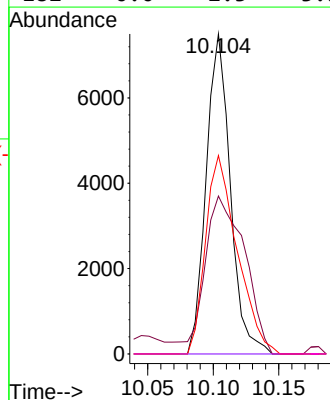
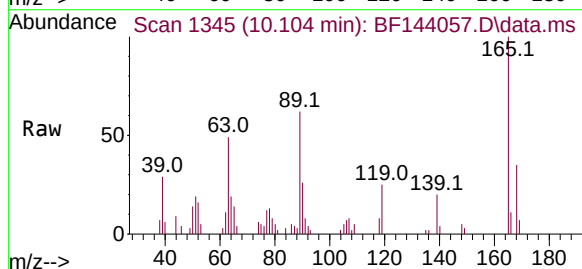
Ion Ratio Lower Upper

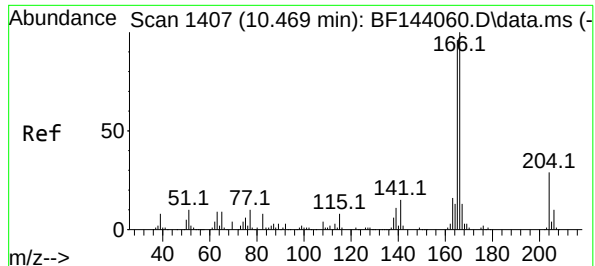
165 100

63 49.3 35.4 53.2

89 62.0 52.7 79.1

182 0.0 2.3 3.5#





#58

Fluorene

Concen: 5.948 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

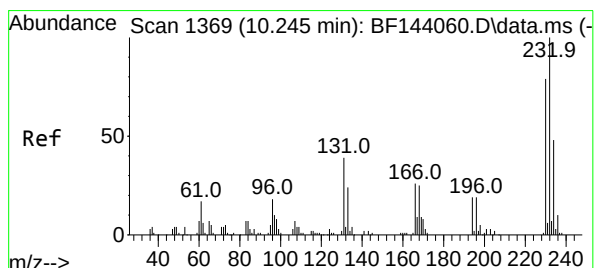
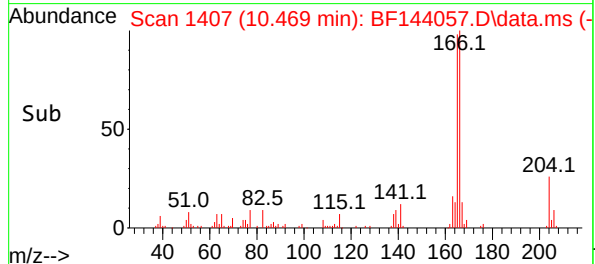
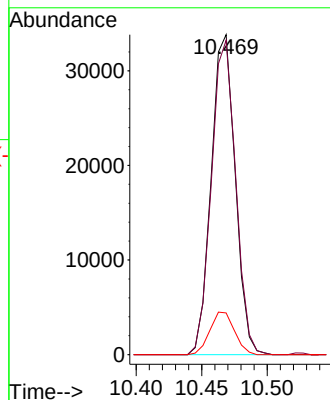
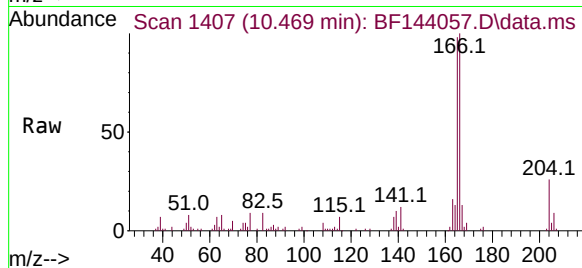
Tgt Ion:166 Resp: 43217

Ion Ratio Lower Upper

166 100

165 98.3 77.0 115.4

167 13.0 10.2 15.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.793 ng

RT: 10.245 min Scan# 1369

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Tgt Ion:232 Resp: 10071

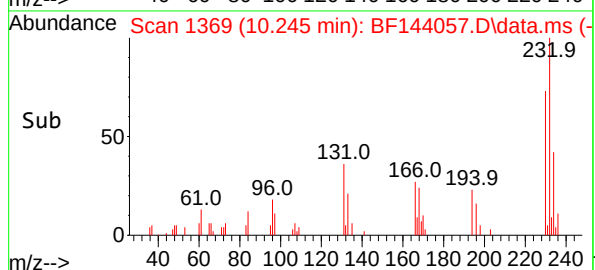
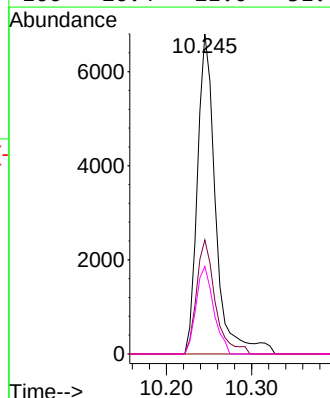
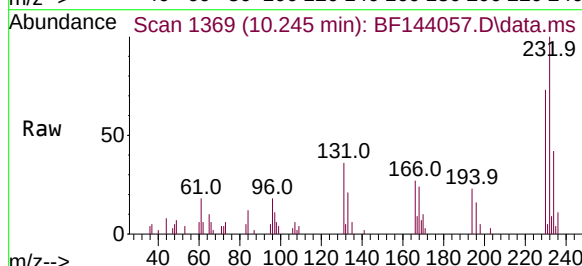
Ion Ratio Lower Upper

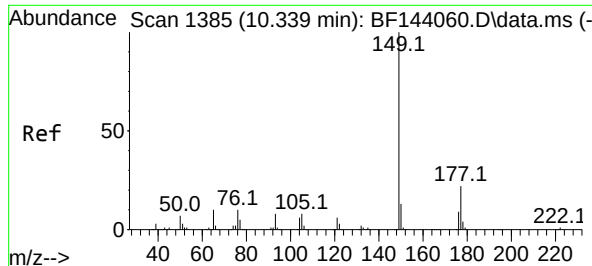
232 100

131 36.6 31.9 47.9

130 0.0 1.1 1.7#

166 26.4 21.0 31.4

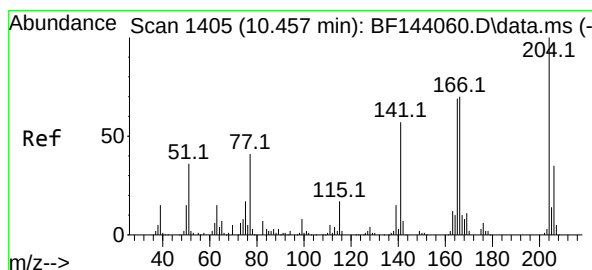
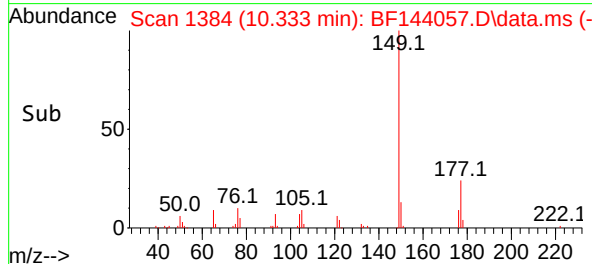
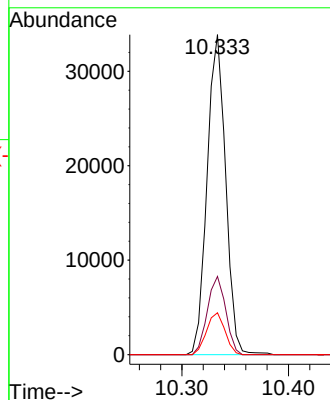
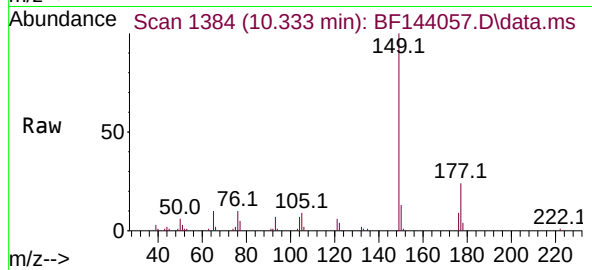




#60
Diethylphthalate
Concen: 5.215 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

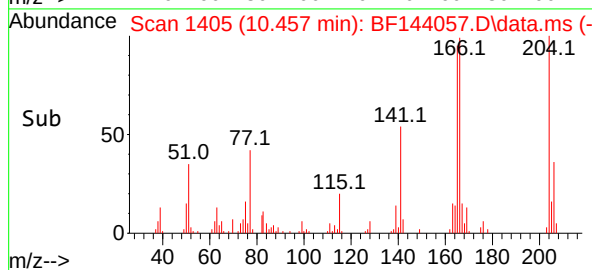
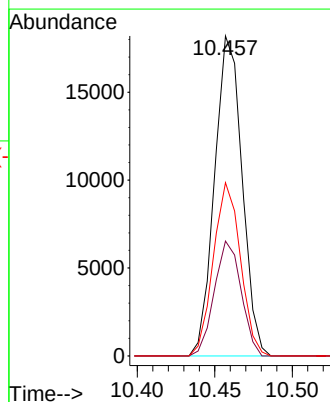
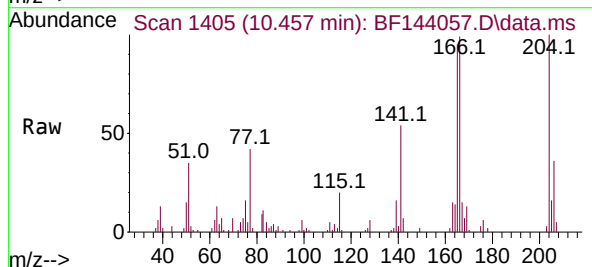
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

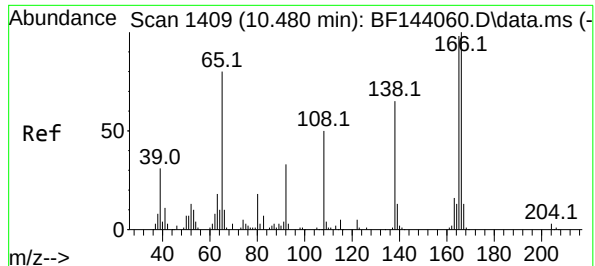
Tgt Ion:149 Resp: 40882
Ion Ratio Lower Upper
149 100
177 24.4 17.8 26.6
150 13.1 10.1 15.1



#61
4-Chlorophenyl-phenylether
Concen: 5.491 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:204 Resp: 22434
Ion Ratio Lower Upper
204 100
206 35.9 27.8 41.6
141 54.1 45.4 68.2

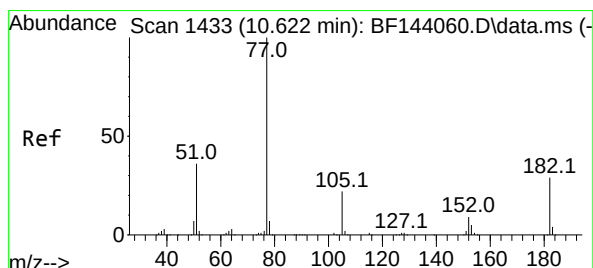
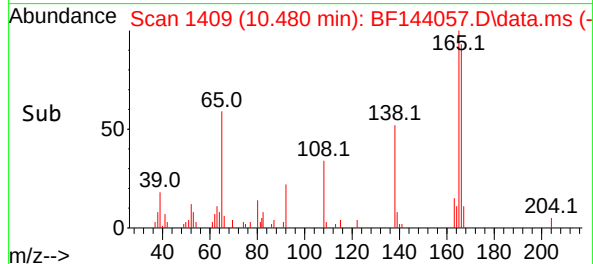
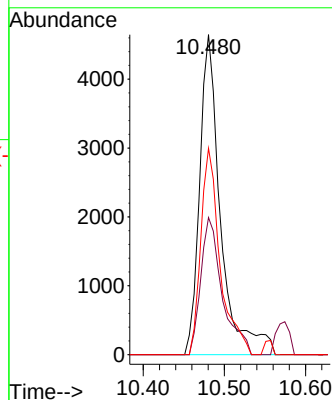
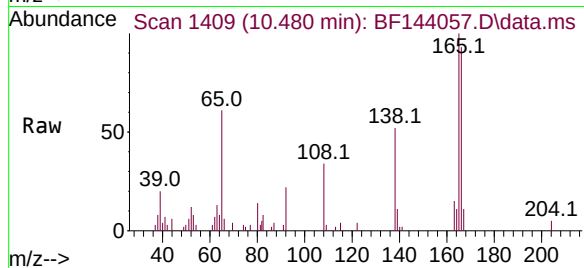




#62
4-Nitroaniline
Concen: 4.789 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

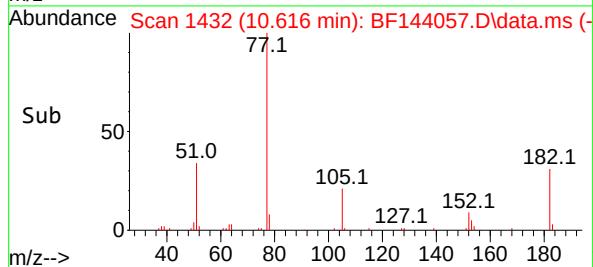
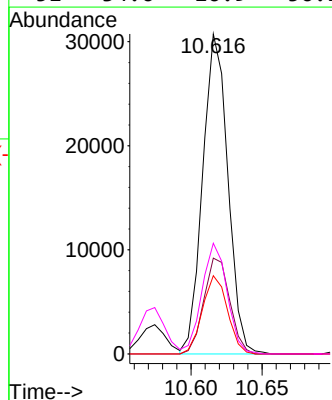
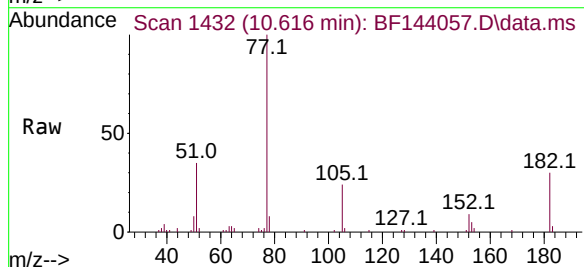
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

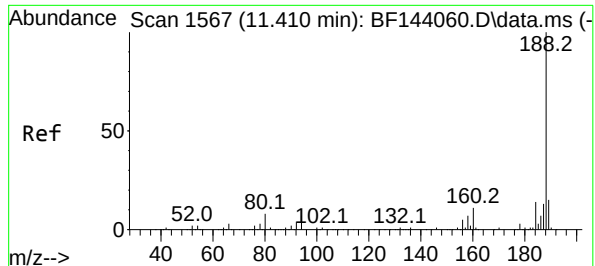
Tgt Ion	Ratio	Lower	Upper
138	100		
92	42.8	30.5	70.5
108	64.5	56.2	96.2



#63
Azobenzene
Concen: 5.106 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.9	9.0	49.0
105	24.4	1.4	41.4
51	34.6	16.9	56.9

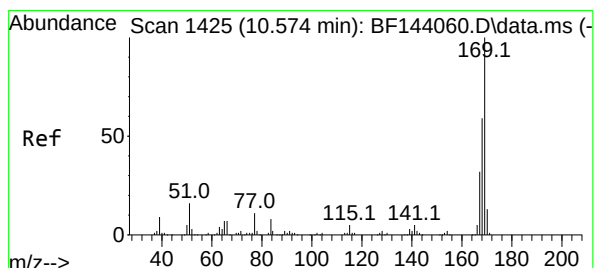
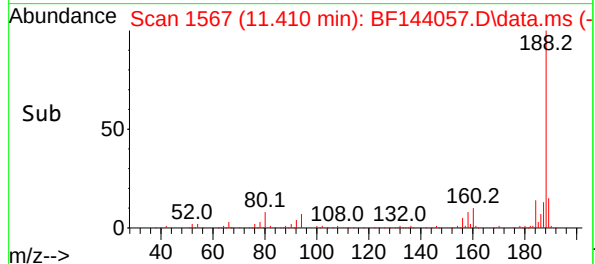
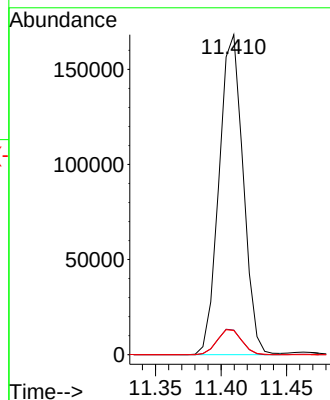
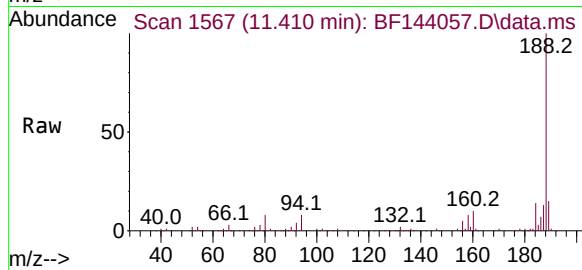




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

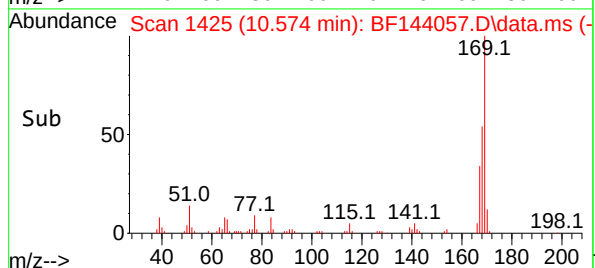
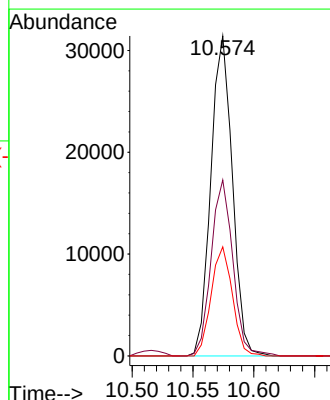
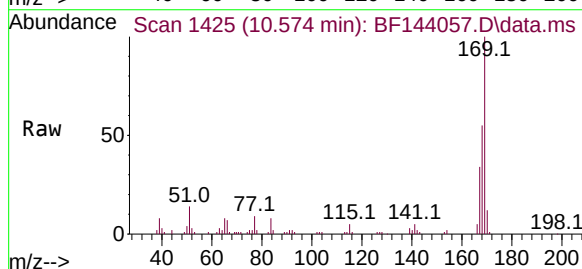
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

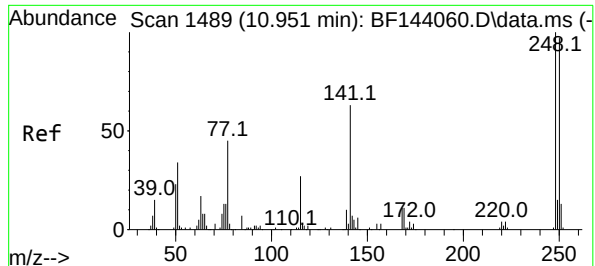
Tgt Ion:188 Resp: 215493
Ion Ratio Lower Upper
188 100
94 7.7 5.4 8.0
80 7.5 6.0 9.0



#66
n-Nitrosodiphenylamine
Concen: 5.599 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:169 Resp: 38552
Ion Ratio Lower Upper
169 100
168 55.0 47.4 71.2
167 34.1 25.5 38.3

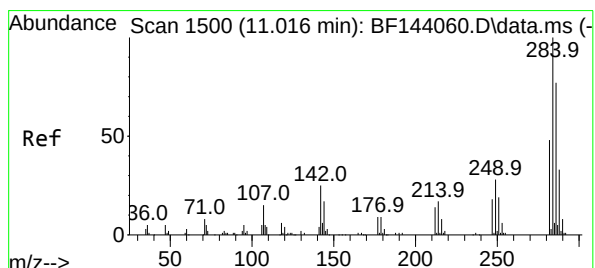
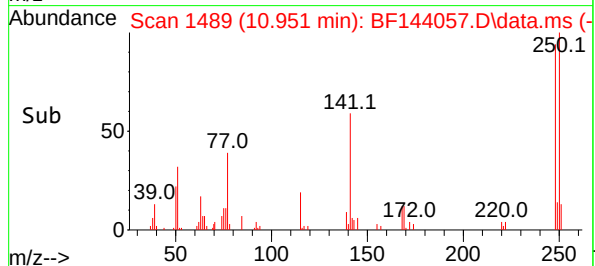
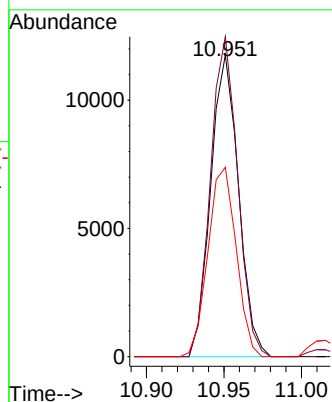
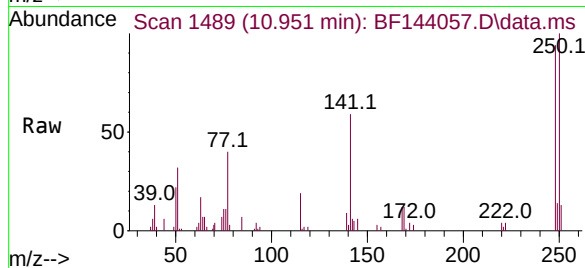




#67
4-Bromophenyl-phenylether
Concen: 5.466 ng
RT: 10.951 min Scan# 1489
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

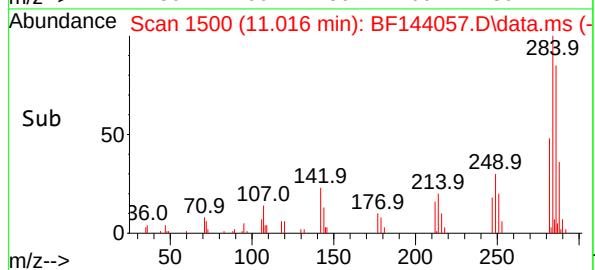
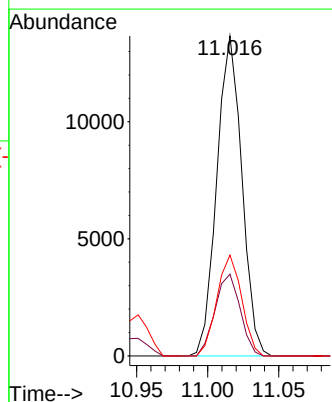
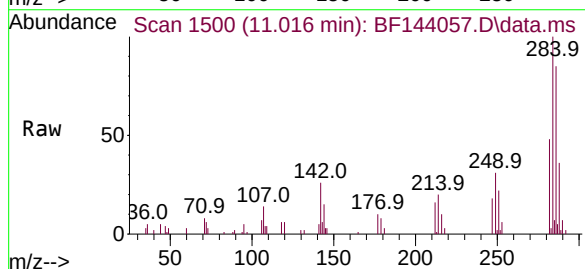
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

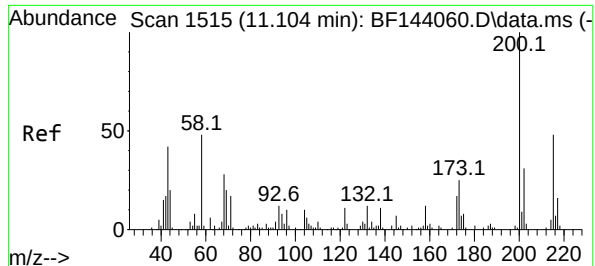
Tgt Ion:248 Resp: 14748
Ion Ratio Lower Upper
248 100
250 106.1 77.8 116.6
141 62.8 50.5 75.7



#68
Hexachlorobenzene
Concen: 5.070 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:284 Resp: 16776
Ion Ratio Lower Upper
284 100
142 25.5 20.0 30.0
249 31.5 22.2 33.2





#69

Atrazine

Concen: 5.458 ng

RT: 11.098 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

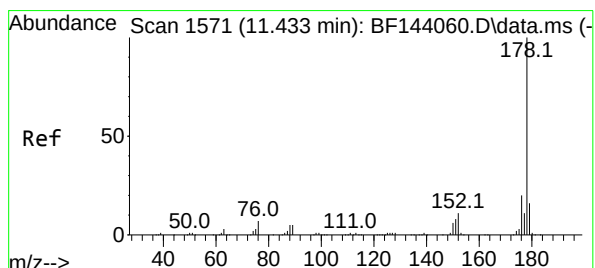
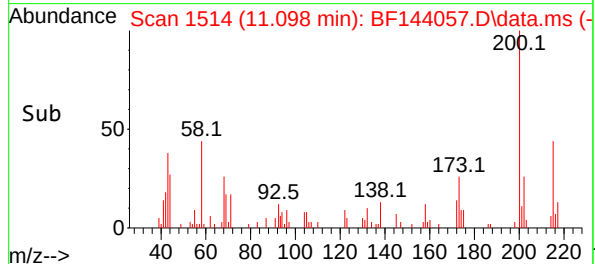
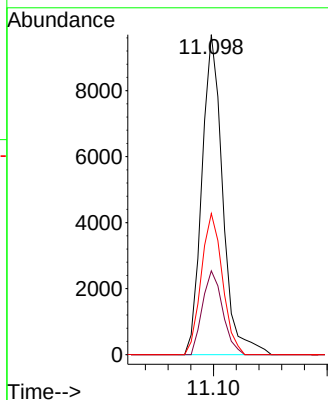
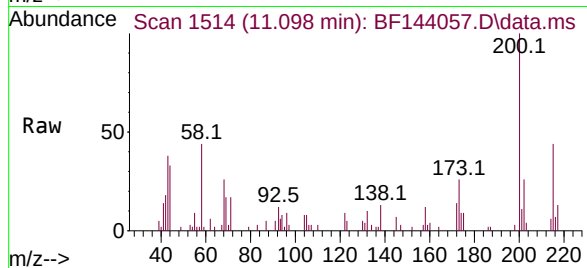
Tgt Ion:200 Resp: 12331

Ion Ratio Lower Upper

200 100

173 26.2 4.9 44.9

215 44.1 28.2 68.2



#71

Phenanthrene

Concen: 5.398 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

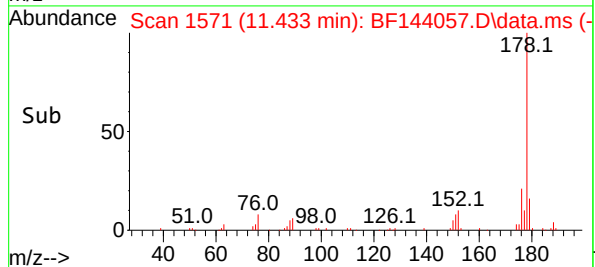
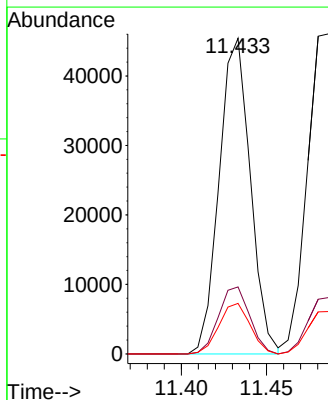
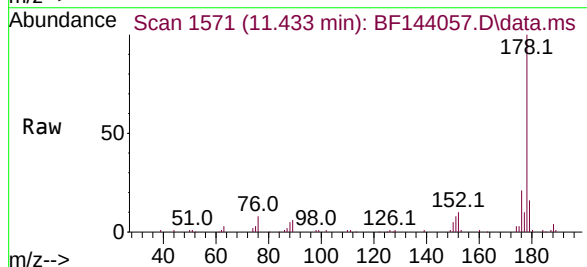
Tgt Ion:178 Resp: 57785

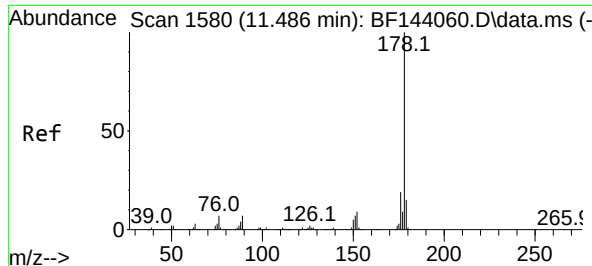
Ion Ratio Lower Upper

178 100

176 21.2 16.3 24.5

179 16.0 12.6 18.8

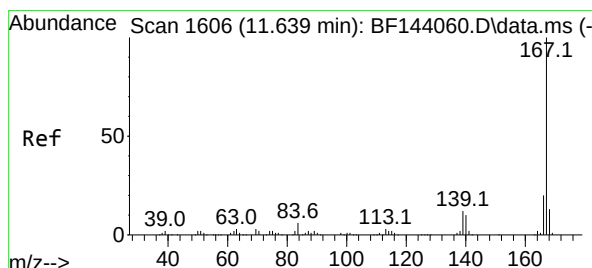
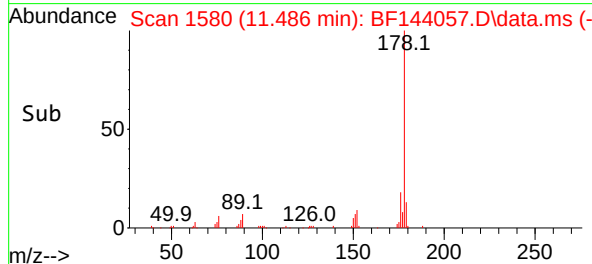
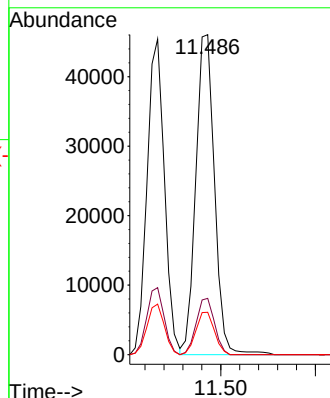
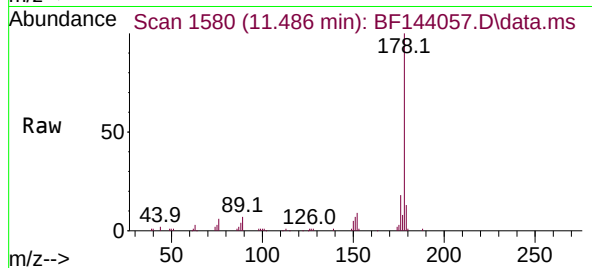




#72
Anthracene
Concen: 5.704 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

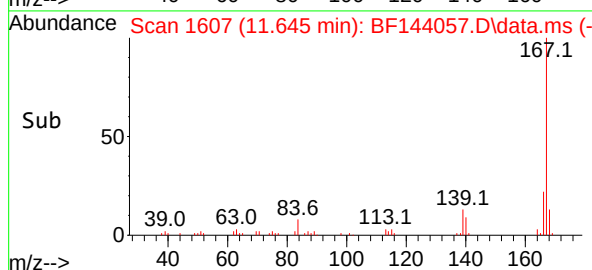
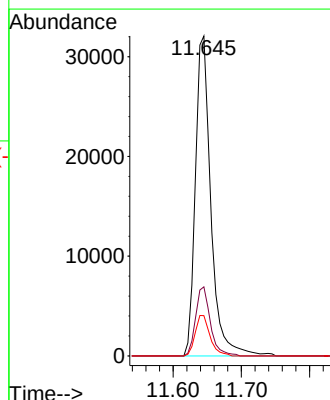
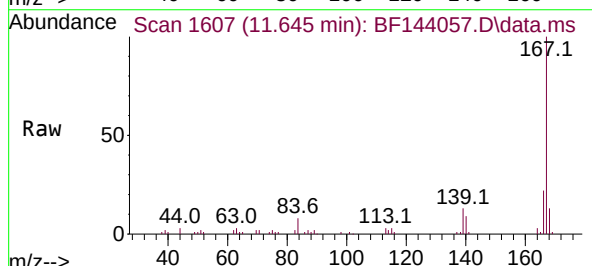
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

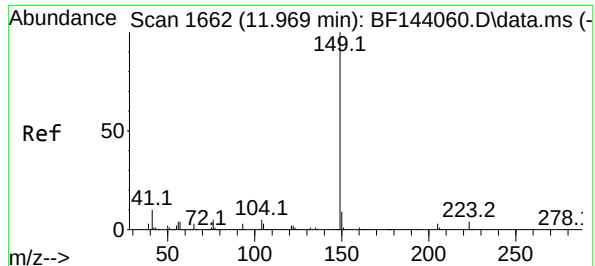
Tgt Ion:178 Resp: 63077
Ion Ratio Lower Upper
178 100
176 17.6 15.0 22.4
179 13.2 11.8 17.6



#73
Carbazole
Concen: 5.399 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:167 Resp: 50818
Ion Ratio Lower Upper
167 100
166 21.6 16.1 24.1
139 12.6 9.8 14.6

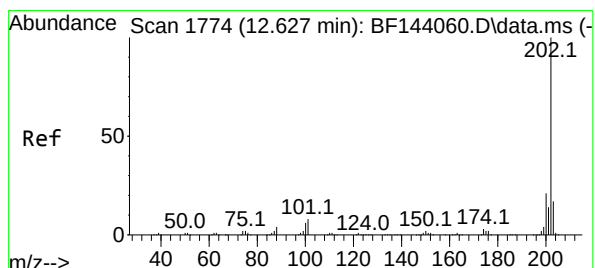
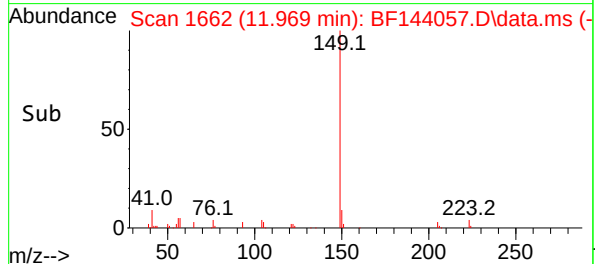
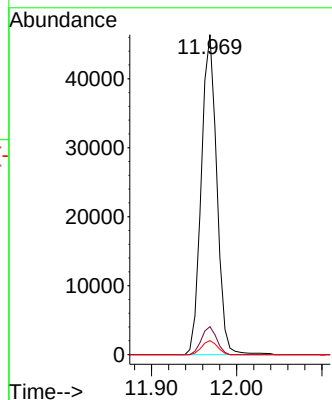
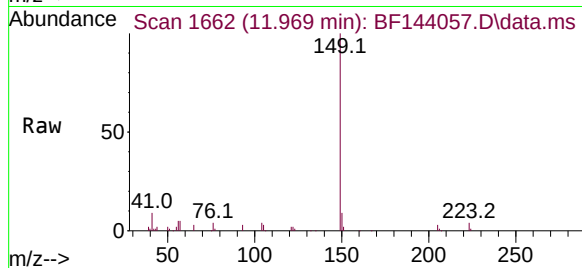




#74
Di-n-butylphthalate
Concen: 5.088 ng
RT: 11.969 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

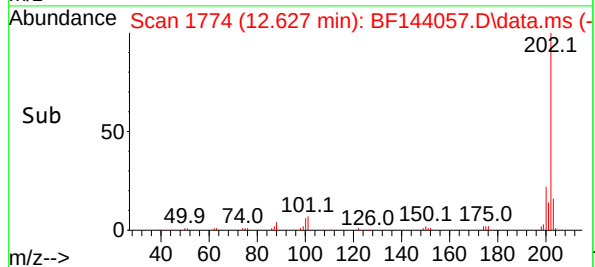
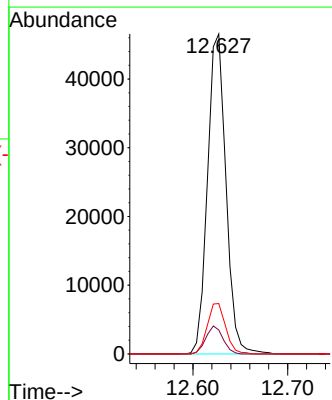
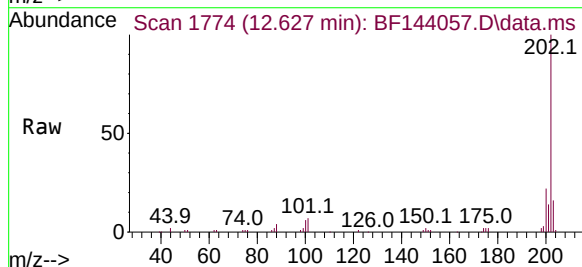
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

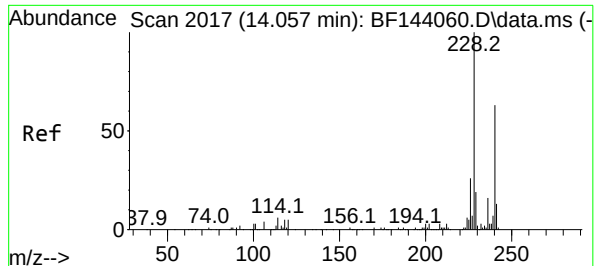
Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.3	10.9
104	4.4	3.6	5.4



#75
Fluoranthene
Concen: 5.333 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	27.7
203	15.7	0.0	37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

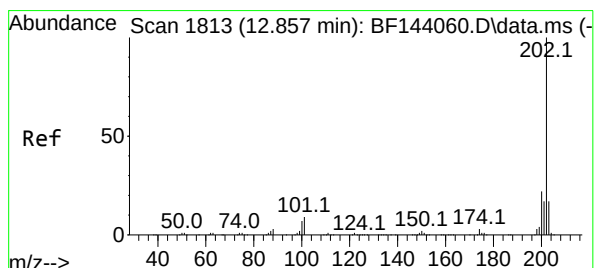
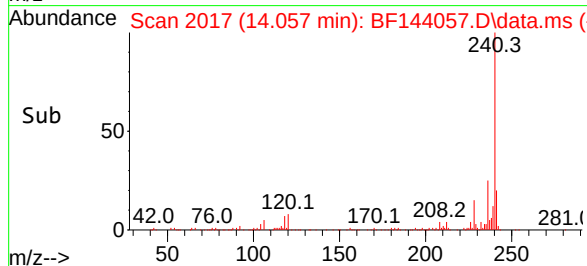
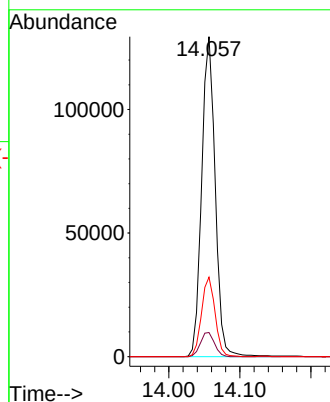
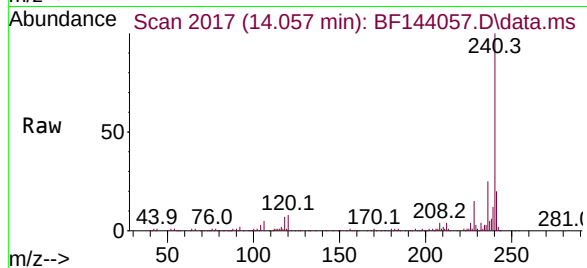
Tgt Ion:240 Resp: 170453

Ion Ratio Lower Upper

240 100

120 7.5 6.5 9.7

236 24.8 20.1 30.1



#78

Pyrene

Concen: 5.573 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

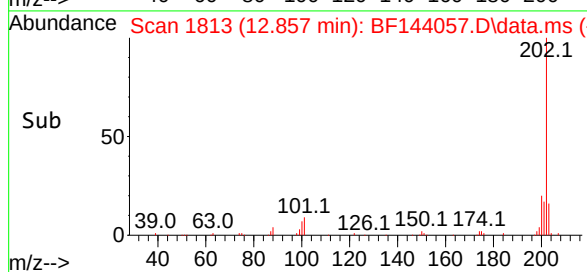
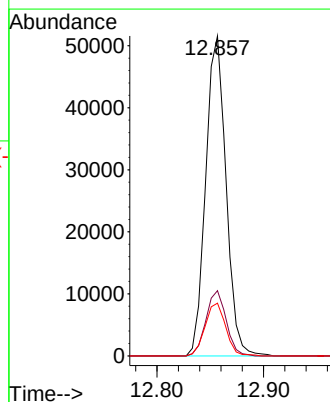
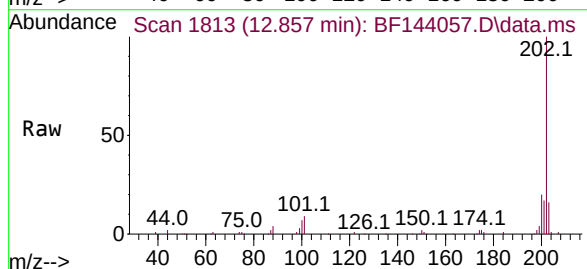
Tgt Ion:202 Resp: 68289

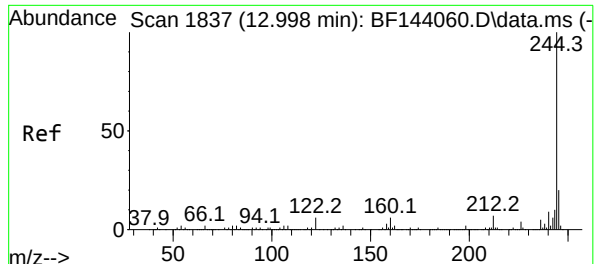
Ion Ratio Lower Upper

202 100

200 20.4 17.2 25.8

203 16.5 13.5 20.3





#79

Terphenyl-d14

Concen: 11.189 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

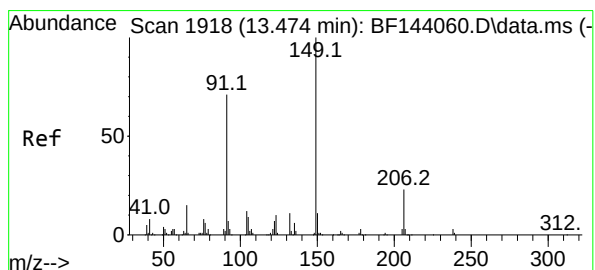
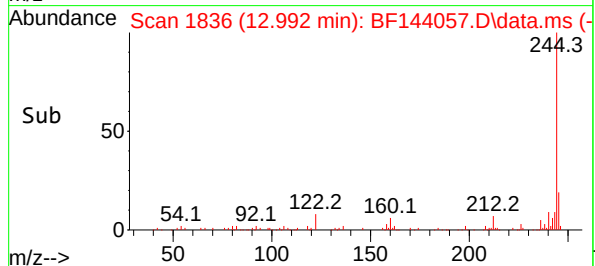
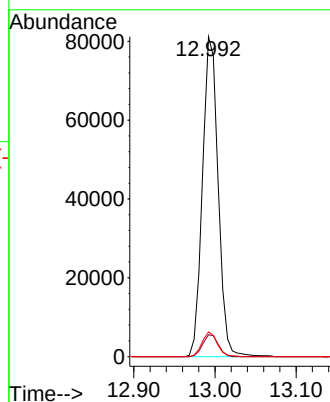
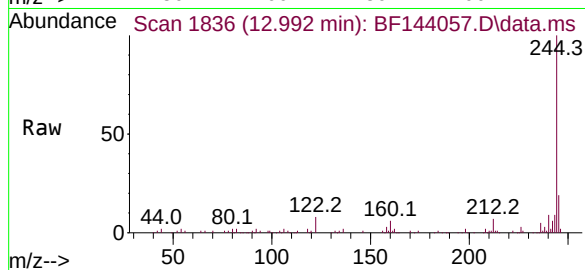
Tgt Ion:244 Resp: 109089

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 7.7 4.9 7.3#



#80

Butylbenzylphthalate

Concen: 4.669 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

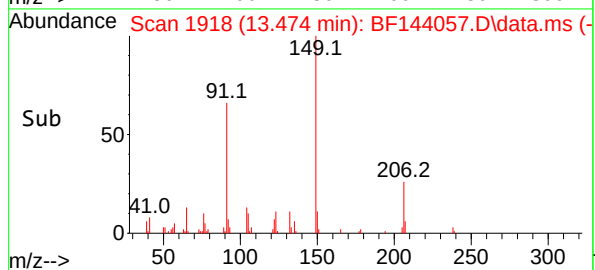
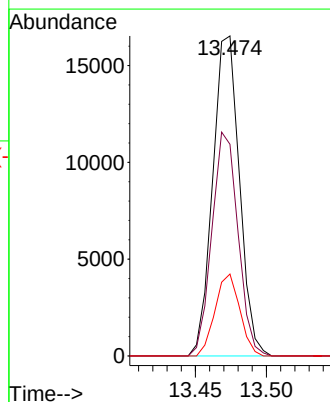
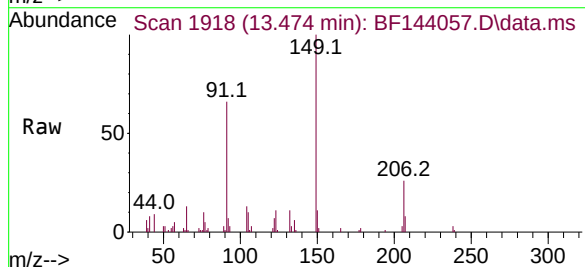
Tgt Ion:149 Resp: 21644

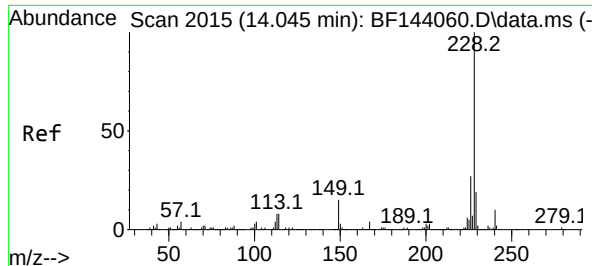
Ion Ratio Lower Upper

149 100

91 66.1 56.6 84.8

206 25.6 18.3 27.5

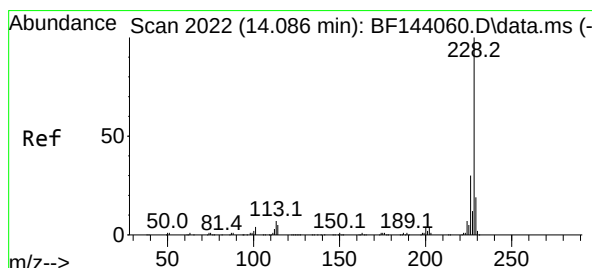
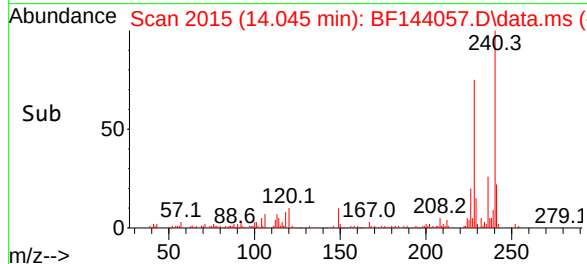
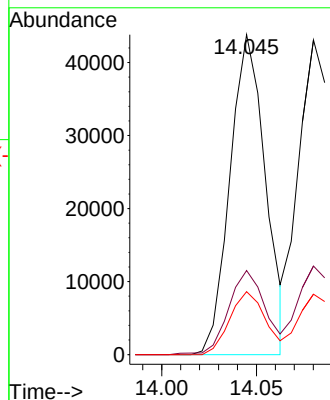
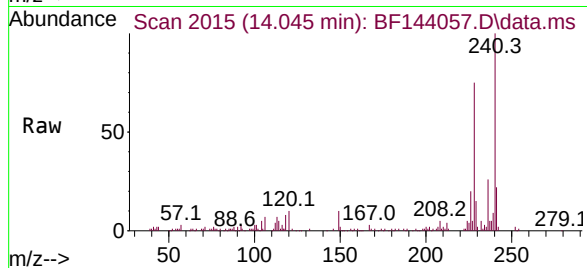




#81
Benzo(a)anthracene
Concen: 4.960 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

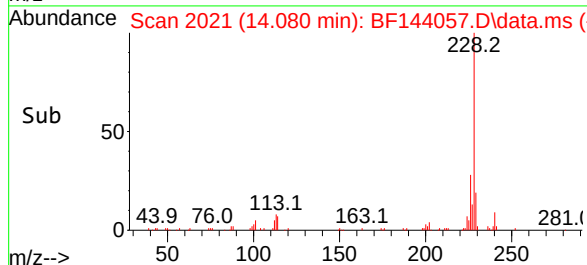
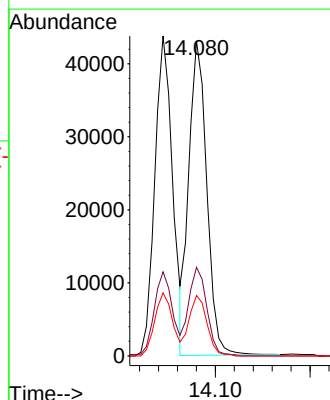
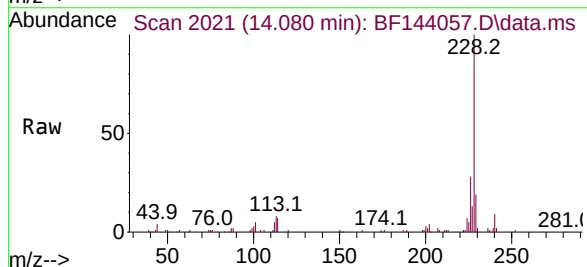
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

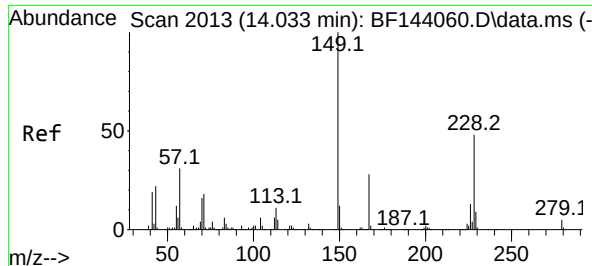
Tgt Ion:228 Resp: 57138
Ion Ratio Lower Upper
228 100
226 26.3 21.4 32.2
229 19.7 15.3 22.9



#83
Chrysene
Concen: 5.245 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144057.D
Acq: 24 Oct 2025 10:42

Tgt Ion:228 Resp: 56694
Ion Ratio Lower Upper
228 100
226 28.2 23.8 35.6
229 19.2 15.6 23.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.013 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

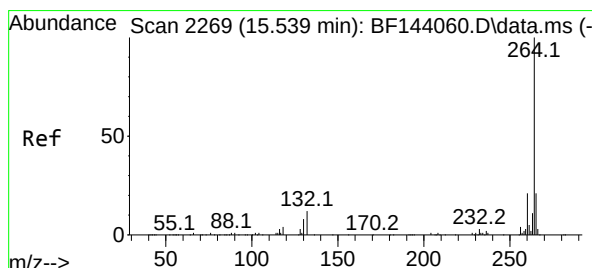
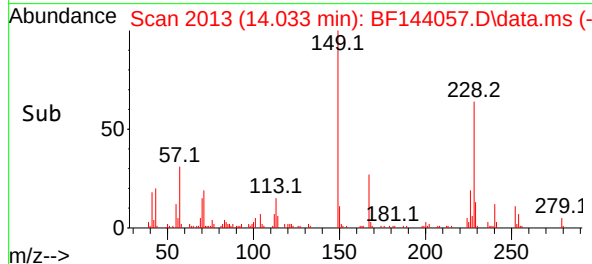
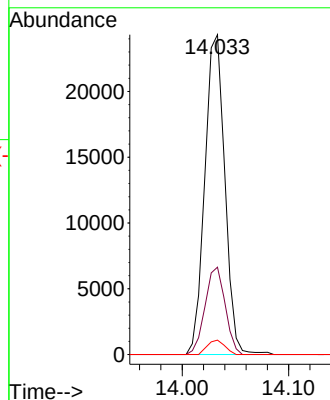
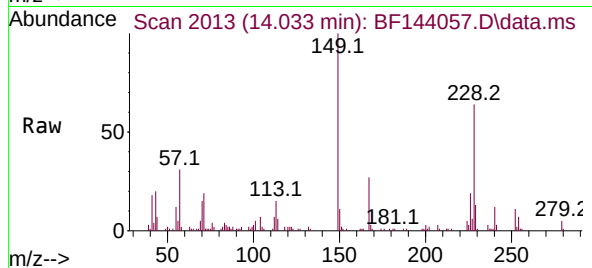
Tgt Ion:149 Resp: 31727

Ion Ratio Lower Upper

149 100

167 27.3 22.5 33.7

279 4.5 3.6 5.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

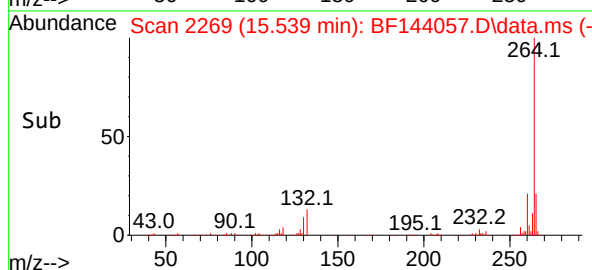
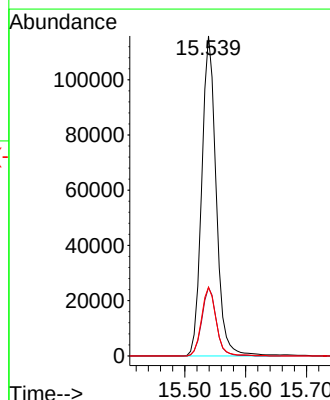
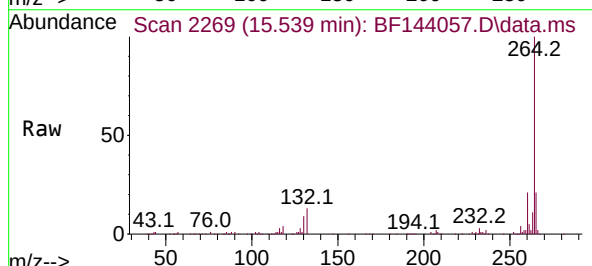
Tgt Ion:264 Resp: 190551

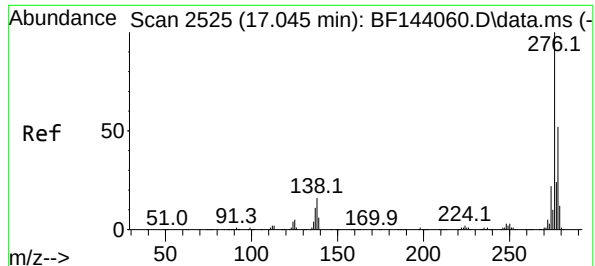
Ion Ratio Lower Upper

264 100

260 21.4 17.0 25.4

265 21.5 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.918 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

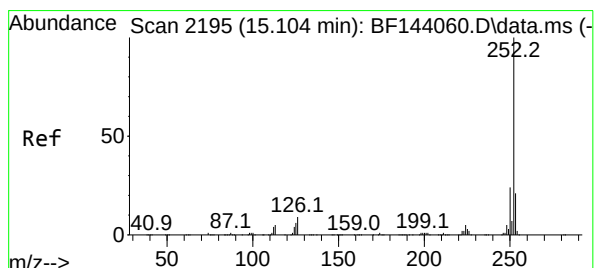
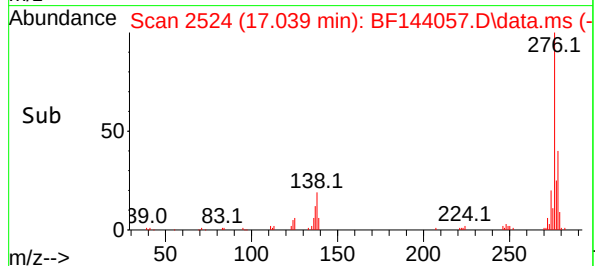
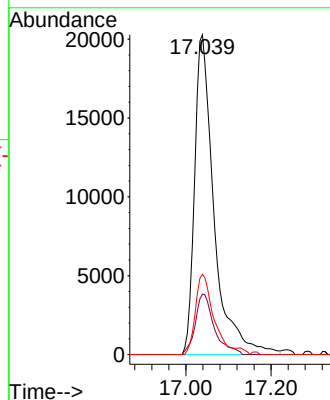
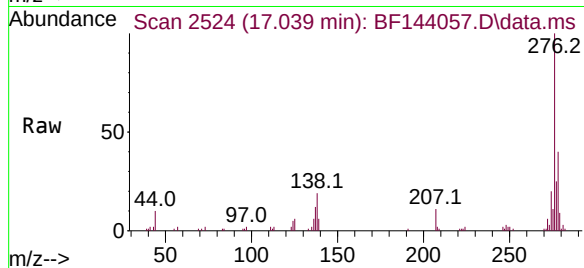
Tgt Ion:276 Resp: 64345

Ion Ratio Lower Upper

276 100

138 18.4 13.0 19.6

277 24.2 19.4 29.0



#88

Benzo(b)fluoranthene

Concen: 5.014 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

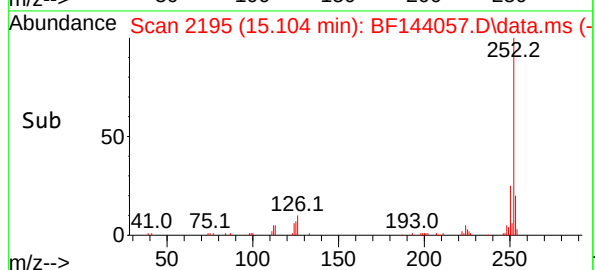
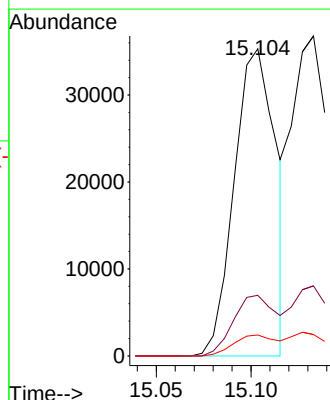
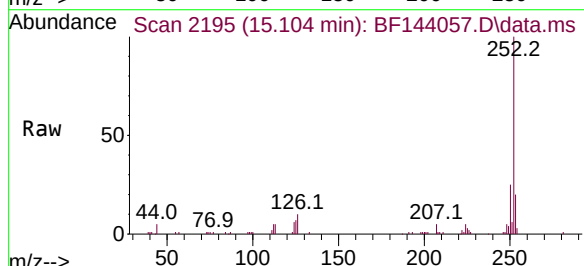
Tgt Ion:252 Resp: 54015

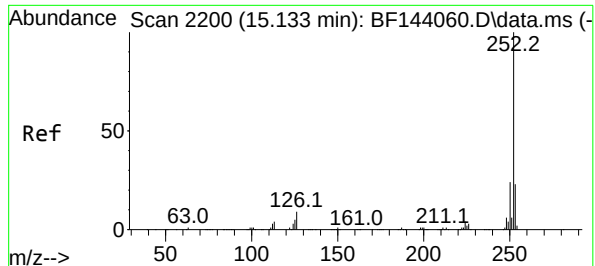
Ion Ratio Lower Upper

252 100

253 19.7 17.2 25.8

125 6.8 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 5.782 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

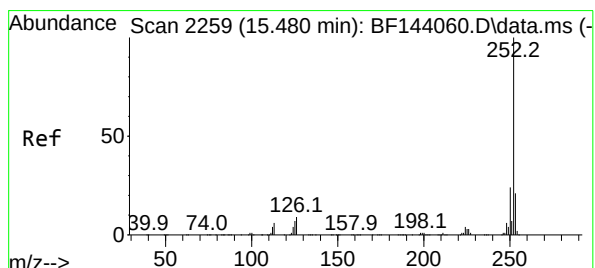
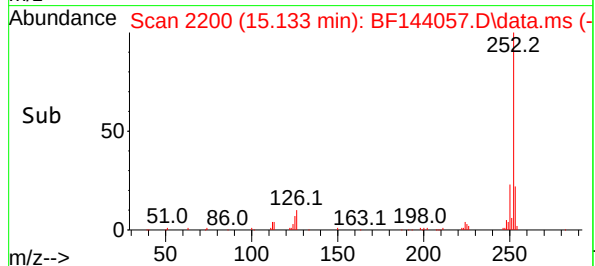
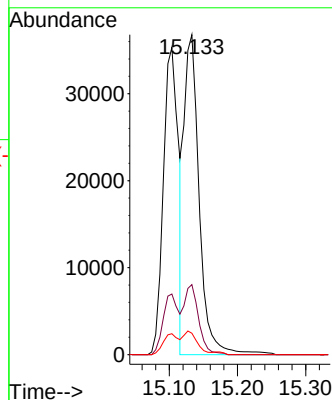
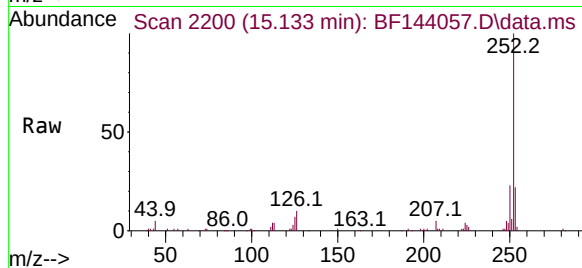
Tgt Ion:252 Resp: 57466

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 6.7 4.9 7.3



#90

Benzo(a)pyrene

Concen: 5.173 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

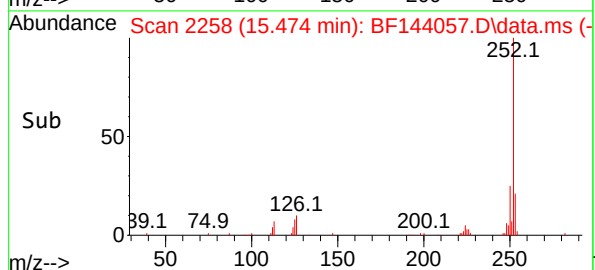
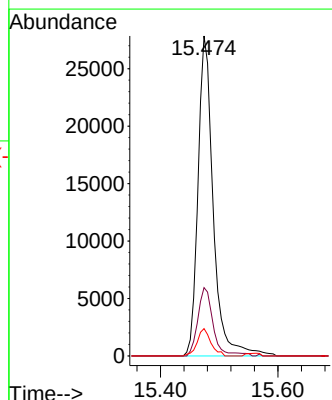
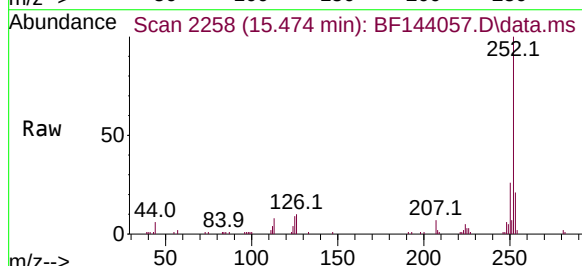
Tgt Ion:252 Resp: 49993

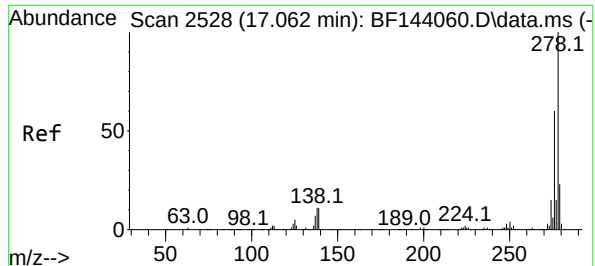
Ion Ratio Lower Upper

252 100

253 21.3 17.1 25.7

125 8.5 5.4 8.2#





#91

Dibenzo(a,h)anthracene

Concen: 4.865 ng

RT: 17.056 min Scan# 2527

Delta R.T. -0.006 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

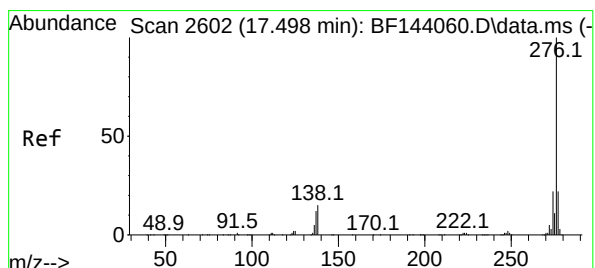
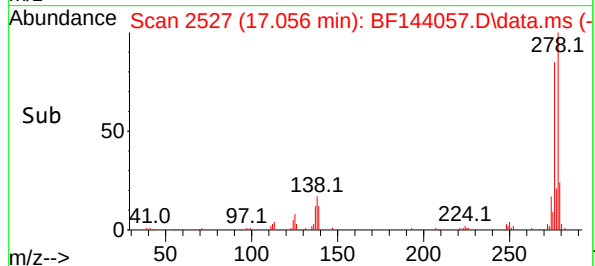
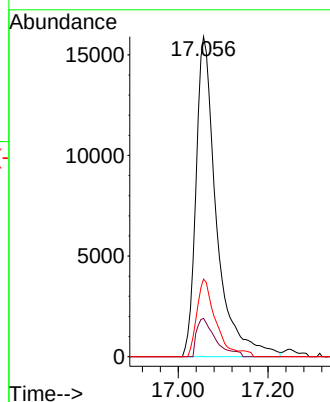
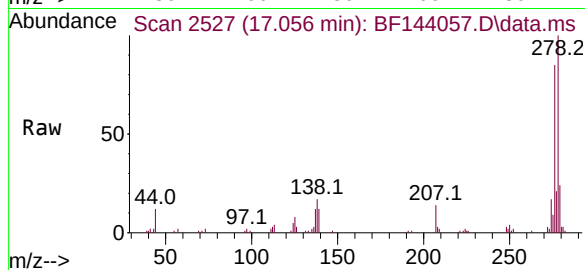
Tgt Ion:278 Resp: 50377

Ion Ratio Lower Upper

278 100

139 11.9 8.5 12.7

279 24.2 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 4.807 ng

RT: 17.486 min Scan# 2600

Delta R.T. -0.012 min

Lab File: BF144057.D

Acq: 24 Oct 2025 10:42

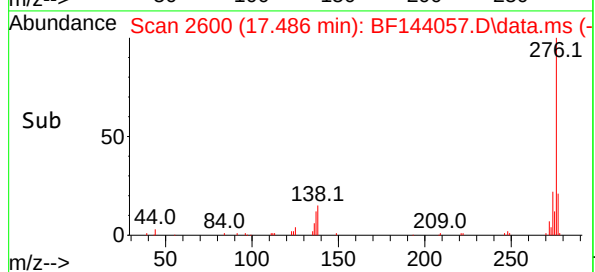
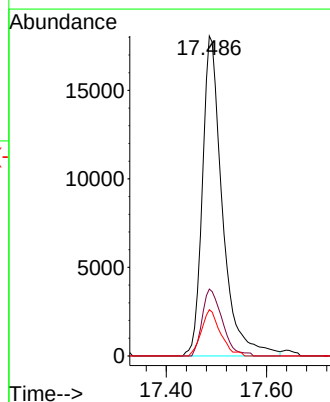
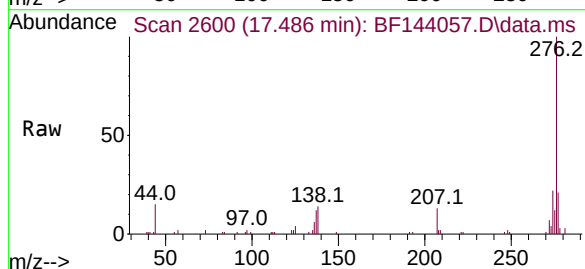
Tgt Ion:276 Resp: 50046

Ion Ratio Lower Upper

276 100

277 20.9 17.9 26.9

138 14.5 12.0 18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144058.D
 Acq On : 24 Oct 2025 11:39
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Oct 24 17:01:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:52:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	93506	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	345633	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	181955	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	301308	20.000	ng	0.00
76) Chrysene-d12	14.057	240	243705	20.000	ng	0.00
86) Perylene-d12	15.539	264	290045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	123660	20.923	ng	0.00
7) Phenol-d6	6.498	99	134938	20.673	ng	0.00
23) Nitrobenzene-d5	7.440	82	130813	20.735	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	45367	19.574	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	273504	21.152	ng	0.00
79) Terphenyl-d14	12.992	244	276477	19.833	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	23088	9.040	ng	96
3) Pyridine	3.410	79	64703	9.463	ng	95
4) n-Nitrosodimethylamine	3.340	42	37657	8.963	ng	98
6) Aniline	6.540	93	100630	10.776	ng	97
8) 2-Chlorophenol	6.663	128	61265	10.526	ng	96
9) Benzaldehyde	6.428	77	51089	10.081	ng	99
10) Phenol	6.516	94	86962	10.799	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	59764	10.271	ng	99
12) 1,3-Dichlorobenzene	6.816	146	73976	10.303	ng	99
13) 1,4-Dichlorobenzene	6.898	146	73246	10.352	ng	96
14) 1,2-Dichlorobenzene	7.045	146	72385	10.573	ng	97
15) Benzyl Alcohol	7.016	79	52766	9.942	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.145	45	113682	10.395	ng	98
17) 2-Methylphenol	7.128	107	47217	10.548	ng	93
18) Hexachloroethane	7.393	117	25444	10.058	ng	95
19) n-Nitroso-di-n-propyla...	7.281	70	45435	10.764	ng	92
20) 3+4-Methylphenols	7.281	107	59370	11.219	ng	# 82
22) Acetophenone	7.287	105	79330	10.620	ng	91
24) Nitrobenzene	7.457	77	66345	9.941	ng	95
25) Isophorone	7.692	82	114333	10.366	ng	99
26) 2-Nitrophenol	7.775	139	31721	9.992	ng	98
27) 2,4-Dimethylphenol	7.810	122	48192	10.215	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	70437	10.241	ng	96
29) 2,4-Dichlorophenol	8.016	162	59570	10.858	ng	96
30) 1,2,4-Trichlorobenzene	8.098	180	58514	10.367	ng	99
31) Naphthalene	8.181	128	173217	10.618	ng	99
32) Benzoic acid	7.904	122	37467	12.520	ng	# 81
33) 4-Chloroaniline	8.234	127	61541	10.837	ng	96
34) Hexachlorobutadiene	8.298	225	47643	10.323	ng	96
35) Caprolactam	8.575	113	13454	9.779	ng	92
36) 4-Chloro-3-methylphenol	8.704	107	50000	10.327	ng	95
37) 2-Methylnaphthalene	8.875	142	113005	10.507	ng	98
38) 1-Methylnaphthalene	8.975	142	108437	10.642	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	64302	10.283	ng	99
41) Hexachlorocyclopentadiene	9.028	237	13467	6.972	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	40647	10.000	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144058.D
Acq On : 24 Oct 2025 11:39
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

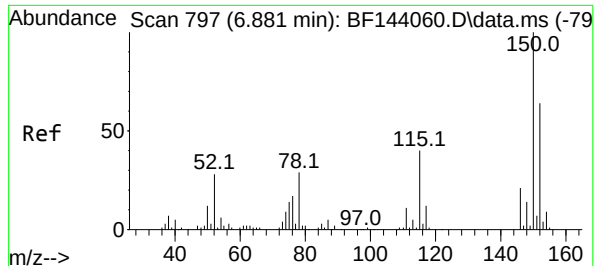
Quant Time: Oct 24 17:01:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	44114	10.341	ng	96
46) 1,1'-Biphenyl	9.334	154	139423	10.704	ng	99
47) 2-Chloronaphthalene	9.363	162	115014	10.540	ng	94
48) 2-Nitroaniline	9.457	65	32649	10.076	ng	99
49) Acenaphthylene	9.775	152	154058	10.470	ng	99
50) Dimethylphthalate	9.628	163	120856	10.133	ng	99
51) 2,6-Dinitrotoluene	9.698	165	23341	9.899	ng	93
52) Acenaphthene	9.951	154	104855	10.671	ng	99
53) 3-Nitroaniline	9.869	138	26729	10.196	ng	97
54) 2,4-Dinitrophenol	9.981	184	14660	11.496	ng	91
55) Dibenzofuran	10.122	168	142976	10.481	ng	98
56) 4-Nitrophenol	10.028	139	20383	11.482	ng	94
57) 2,4-Dinitrotoluene	10.098	165	31163	9.793	ng	96
58) Fluorene	10.469	166	106355	10.232	ng	96
59) 2,3,4,6-Tetrachlorophenol	10.239	232	28893	9.612	ng	99
60) Diethylphthalate	10.334	149	115029	10.256	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	60704	10.385	ng	97
62) 4-Nitroaniline	10.481	138	24222	9.752	ng	98
63) Azobenzene	10.616	77	107163	10.095	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	20093	10.394	ng	95
66) n-Nitrosodiphenylamine	10.575	169	100334	10.422	ng	97
67) 4-Bromophenyl-phenylether	10.951	248	38639	10.242	ng	99
68) Hexachlorobenzene	11.016	284	50850	10.990	ng	96
69) Atrazine	11.098	200	33605	10.638	ng	99
70) Pentachlorophenol	11.216	266	18468	8.386	ng	97
71) Phenanthrene	11.433	178	156663	10.467	ng	96
72) Anthracene	11.486	178	162203	10.491	ng	100
73) Carbazole	11.639	167	138634	10.534	ng	99
74) Di-n-butylphthalate	11.969	149	164302	10.183	ng	100
75) Fluoranthene	12.622	202	173397	10.486	ng	98
77) Benzidine	12.751	184	83945	11.068	ng	99
78) Pyrene	12.857	202	178638	10.196	ng	99
80) Butylbenzylphthalate	13.469	149	66048	9.964	ng	97
81) Benzo(a)anthracene	14.045	228	161042	9.778	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	57120	9.963	ng	97
83) Chrysene	14.080	228	153845	9.954	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	88365	9.765	ng	99
85) Di-n-octyl phthalate	14.645	149	149635	9.616	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	193064	9.695	ng	99
88) Benzo(b)fluoranthene	15.104	252	160748	9.803	ng	100
89) Benzo(k)fluoranthene	15.133	252	156128	10.320	ng	100
90) Benzo(a)pyrene	15.474	252	143530	9.757	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	153941	9.766	ng	98
92) Benzo(g,h,i)perylene	17.486	276	152368	9.614	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

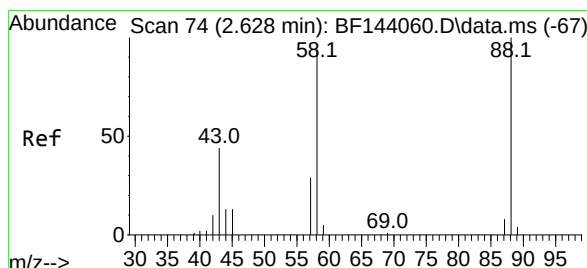
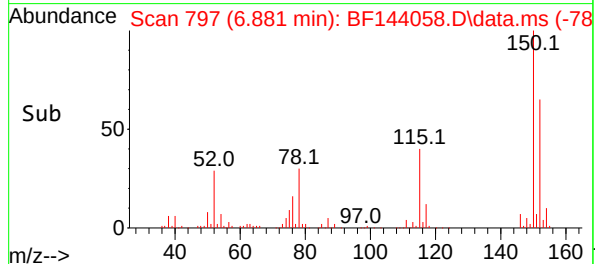
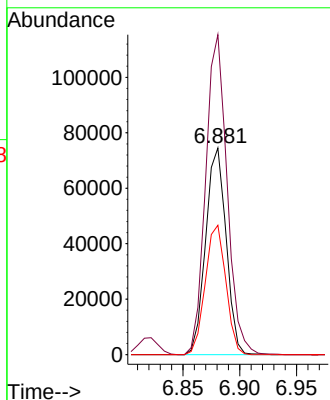
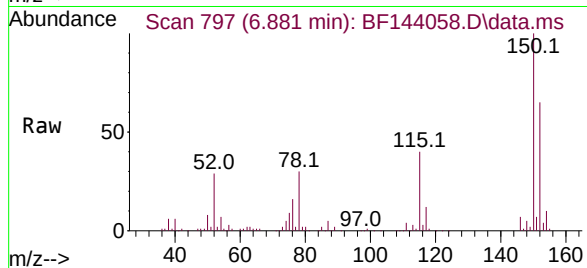
- 1
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- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

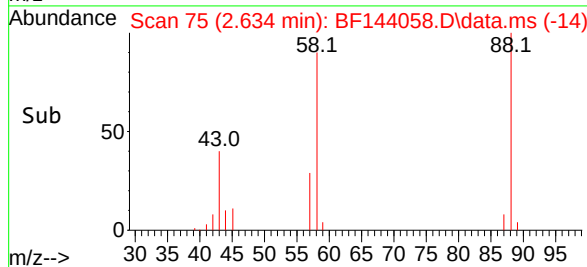
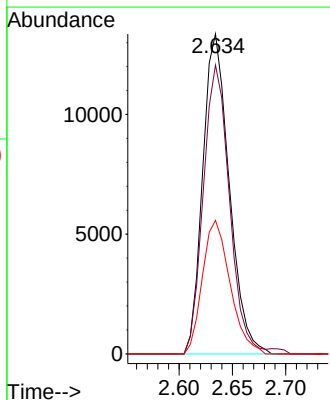
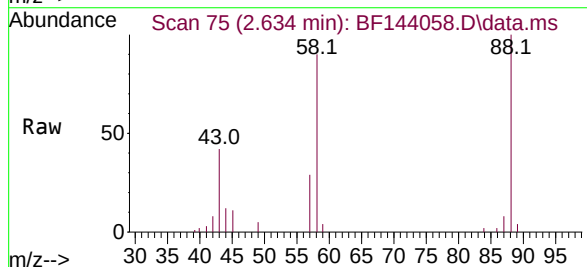
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

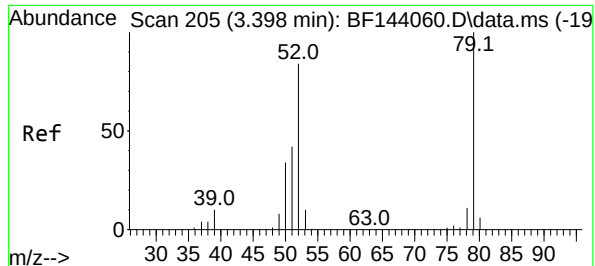
Tgt Ion:152 Resp: 93506
Ion Ratio Lower Upper
152 100
150 154.9 124.4 186.6
115 62.6 49.4 74.0



#2
1,4-Dioxane
Concen: 9.040 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 88 Resp: 23088
Ion Ratio Lower Upper
88 100
58 89.8 76.5 114.7
43 43.6 35.3 52.9





#3

Pyridine

Concen: 9.463 ng

RT: 3.410 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

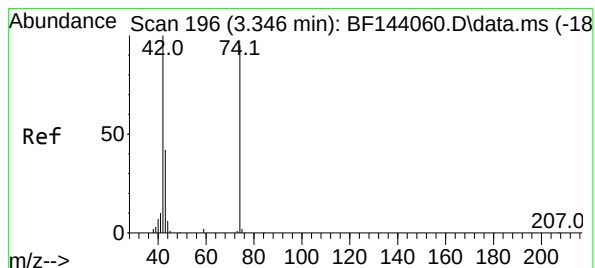
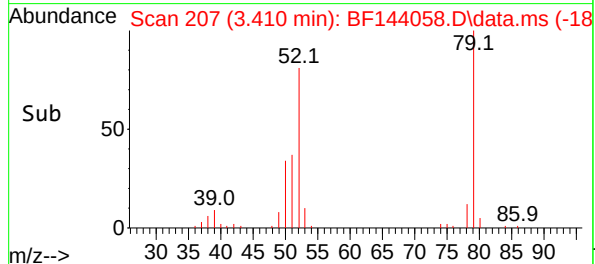
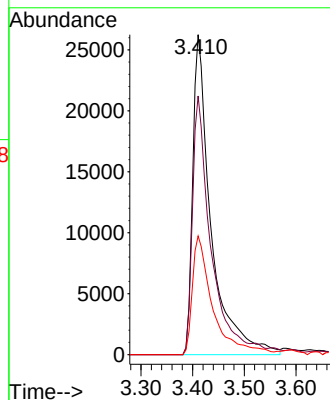
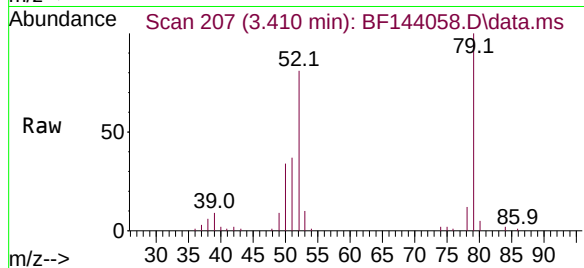
Tgt Ion: 79 Resp: 64703

Ion Ratio Lower Upper

79 100

52 80.8 67.5 101.3

51 37.1 33.6 50.4



#4

n-Nitrosodimethylamine

Concen: 8.963 ng

RT: 3.340 min Scan# 195

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

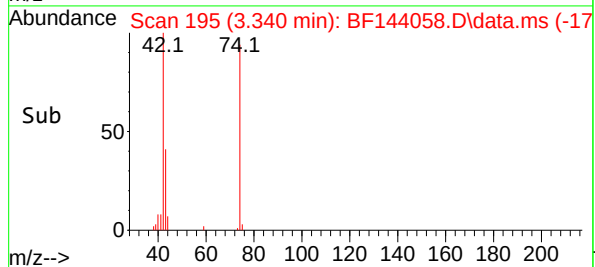
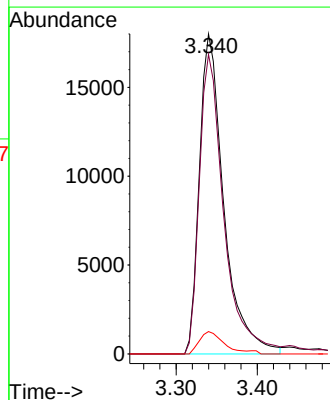
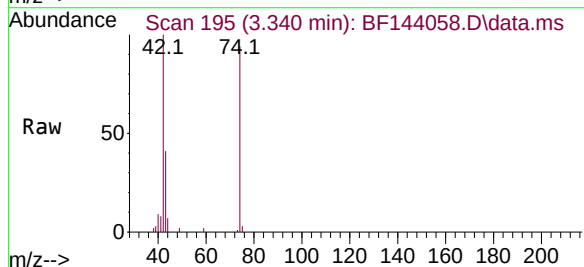
Tgt Ion: 42 Resp: 37657

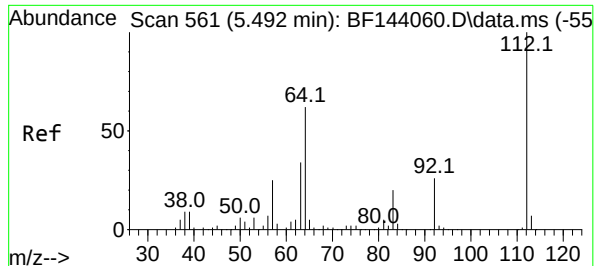
Ion Ratio Lower Upper

42 100

74 93.6 76.4 114.6

44 7.0 5.2 7.8

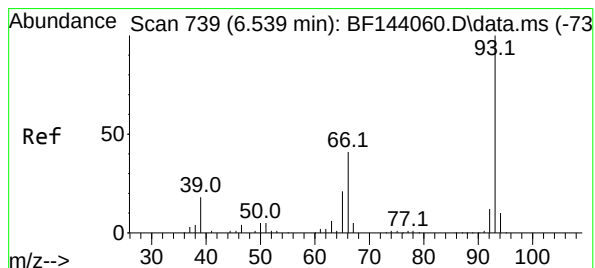
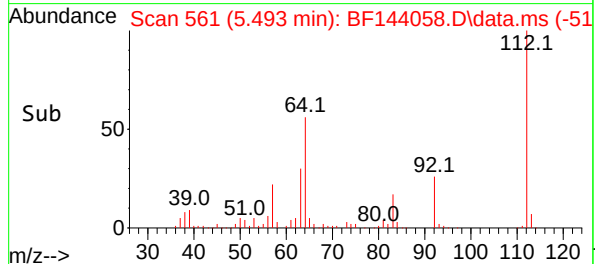
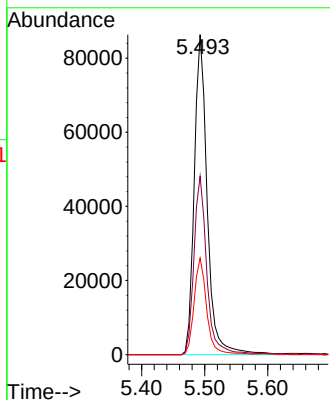
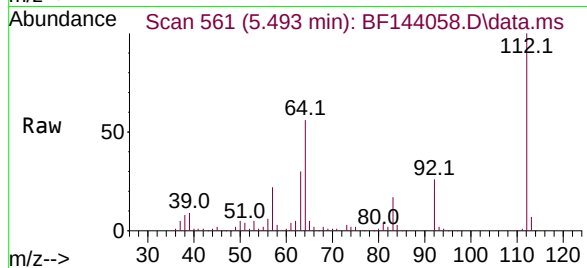




#5
2-Fluorophenol
Concen: 20.923 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

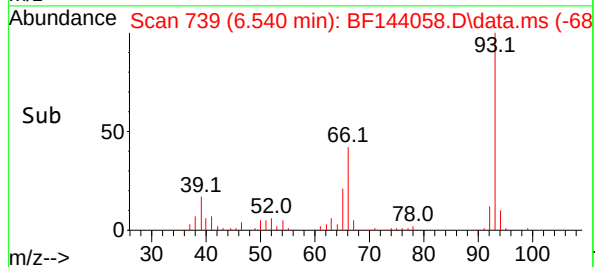
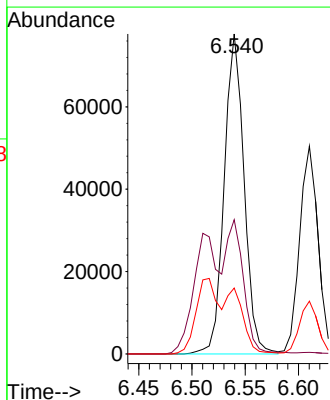
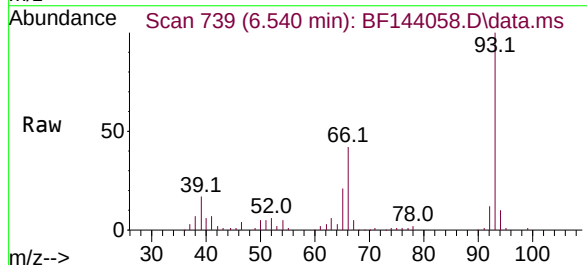
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

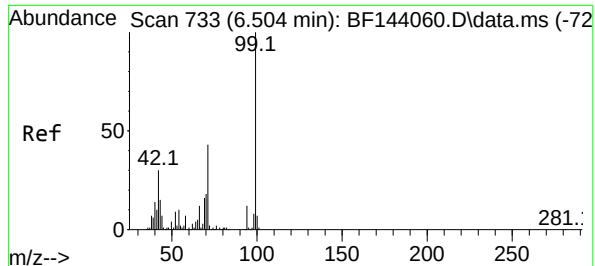
Tgt Ion:112 Resp: 123660
Ion Ratio Lower Upper
112 100
64 55.8 49.8 74.8
63 30.2 27.4 41.2



#6
Aniline
Concen: 10.776 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 93 Resp: 100630
Ion Ratio Lower Upper
93 100
66 41.9 35.7 53.5
65 20.6 17.0 25.6





#7

Phenol-d6

Concen: 20.673 ng

RT: 6.498 min Scan# 733

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

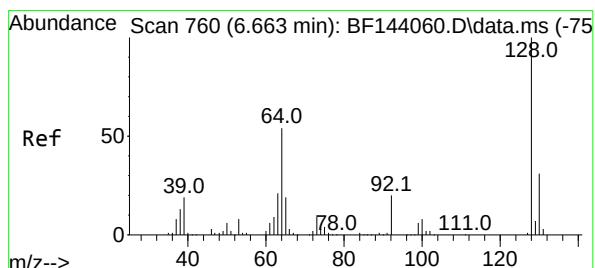
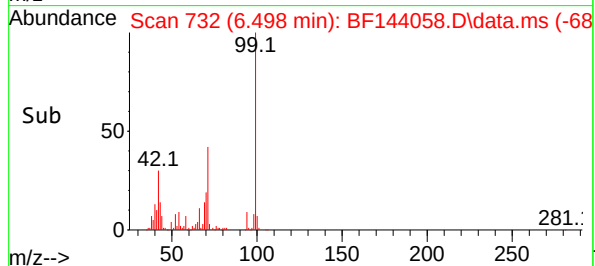
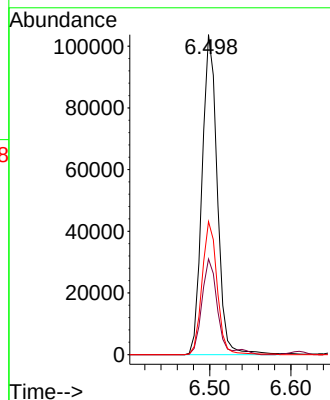
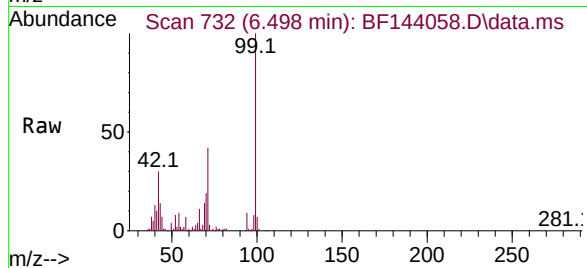
Tgt Ion: 99 Resp: 134938

Ion Ratio Lower Upper

99 100

42 29.9 23.9 35.9

71 41.6 34.4 51.6



#8

2-Chlorophenol

Concen: 10.526 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

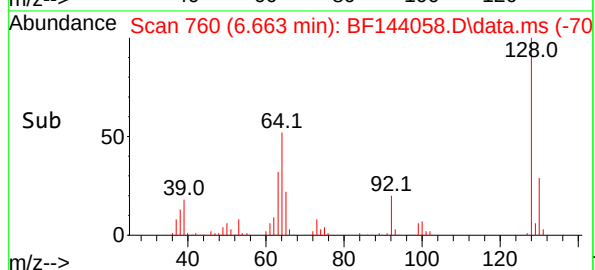
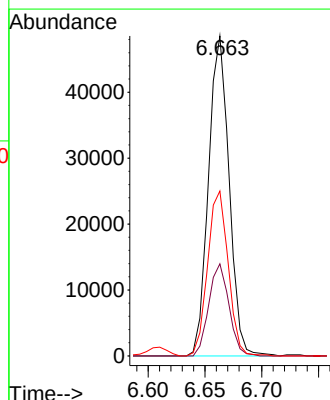
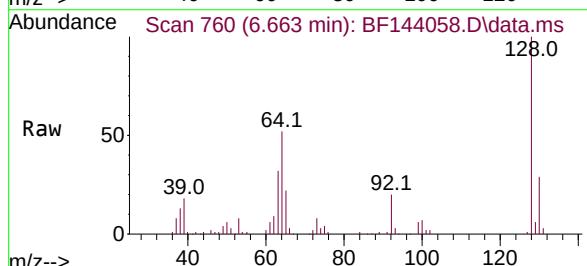
Tgt Ion: 128 Resp: 61265

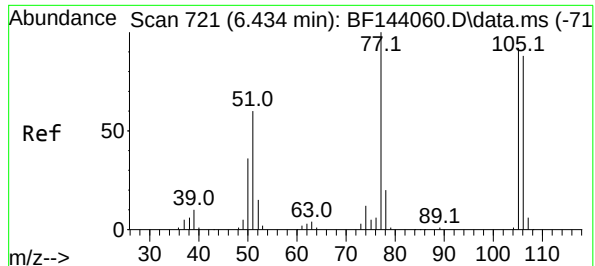
Ion Ratio Lower Upper

128 100

130 28.8 10.7 50.7

64 51.5 34.7 74.7





#9

Benzaldehyde

Concen: 10.081 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

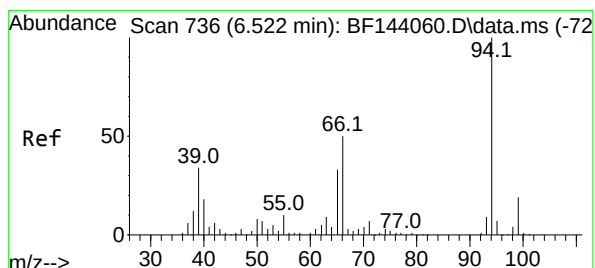
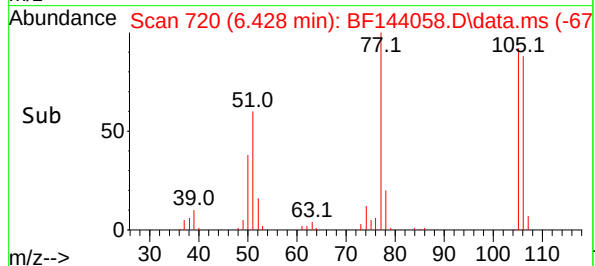
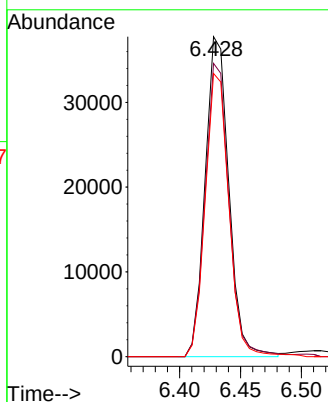
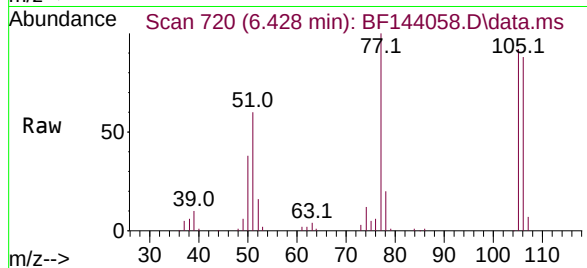
Tgt Ion: 77 Resp: 51089

Ion Ratio Lower Upper

77 100

105 91.6 72.2 112.2

106 88.5 67.9 107.9



#10

Phenol

Concen: 10.799 ng

RT: 6.516 min Scan# 735

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

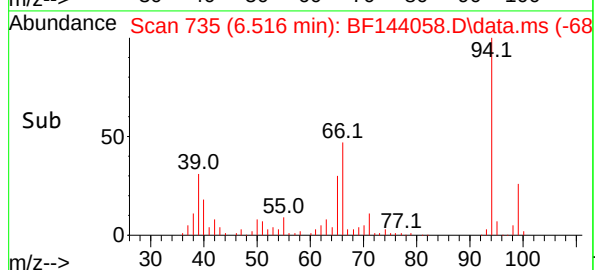
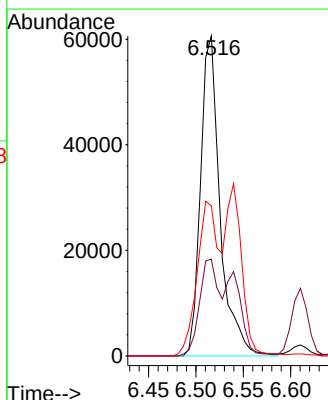
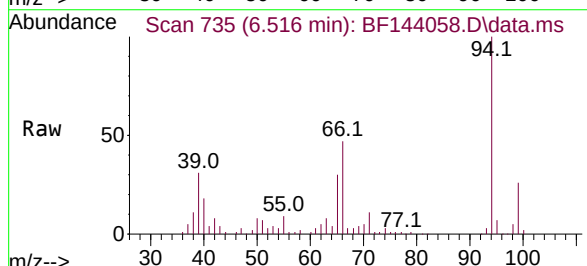
Tgt Ion: 94 Resp: 86962

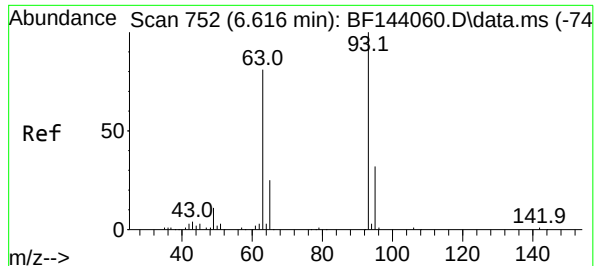
Ion Ratio Lower Upper

94 100

65 30.2 13.1 53.1

66 46.9 30.6 70.6

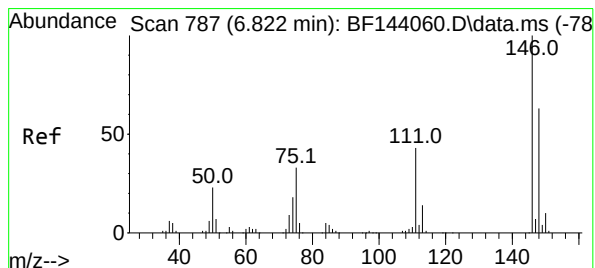
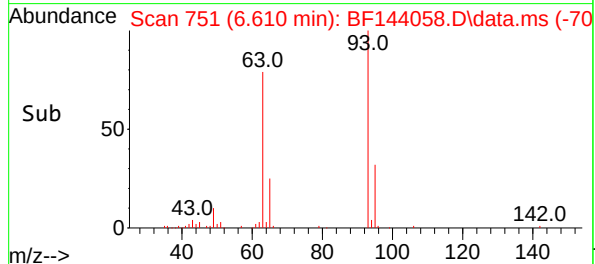
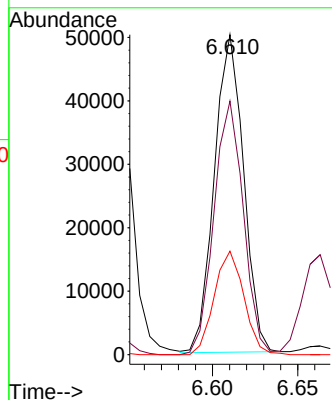
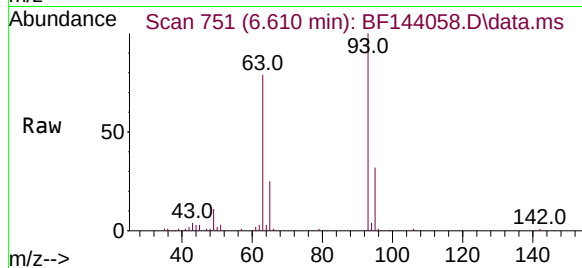




#11
bis(2-Chloroethyl)ether
Concen: 10.271 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

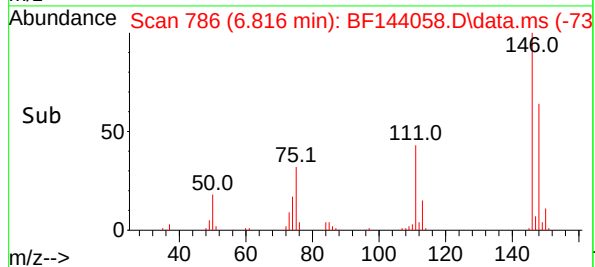
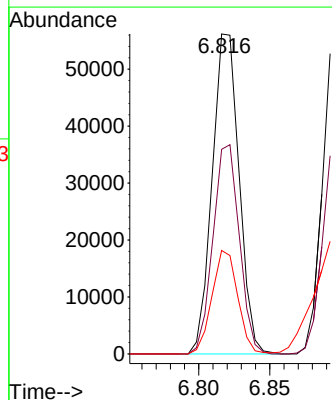
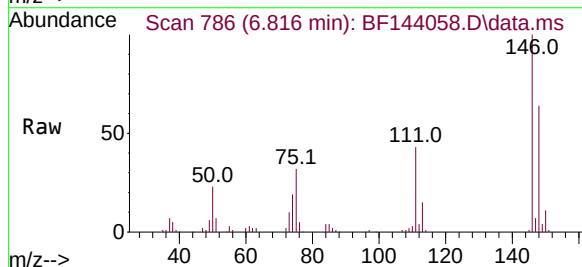
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

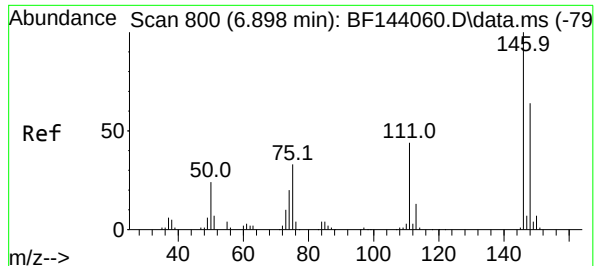
Tgt Ion: 93 Resp: 59764
Ion Ratio Lower Upper
93 100
63 79.2 60.2 100.2
95 32.3 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 10.303 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 146 Resp: 73976
Ion Ratio Lower Upper
146 100
148 63.9 50.6 75.8
75 32.3 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 10.352 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

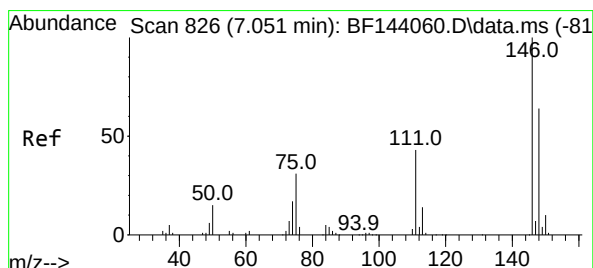
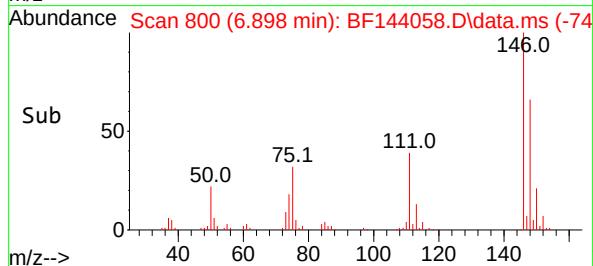
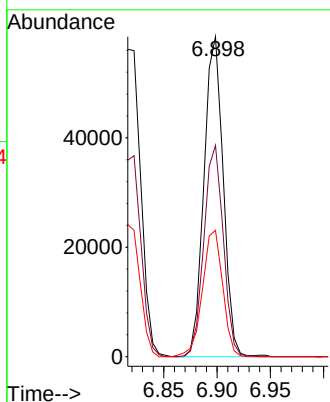
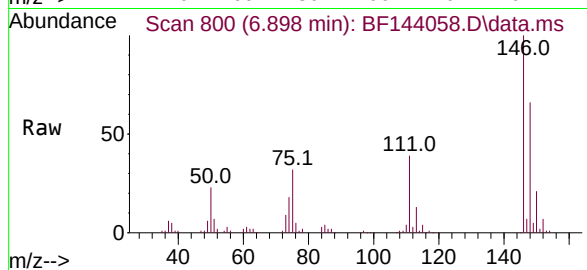
Tgt Ion:146 Resp: 73246

Ion Ratio Lower Upper

146 100

148 66.0 51.0 76.6

111 39.5 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 10.573 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

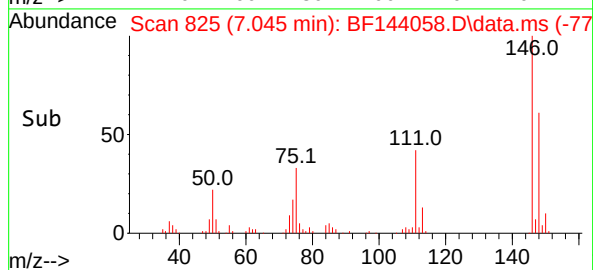
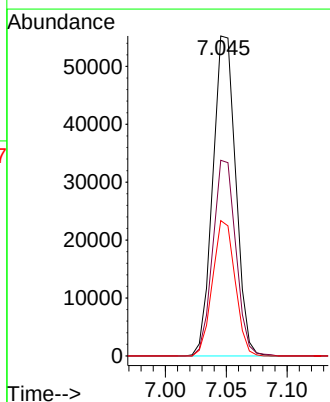
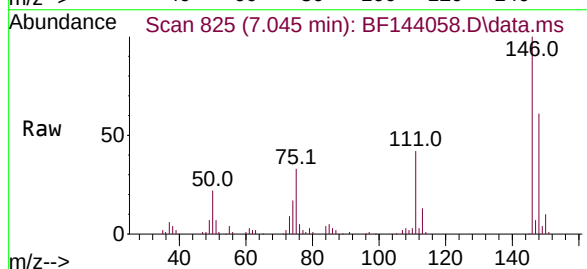
Tgt Ion:146 Resp: 72385

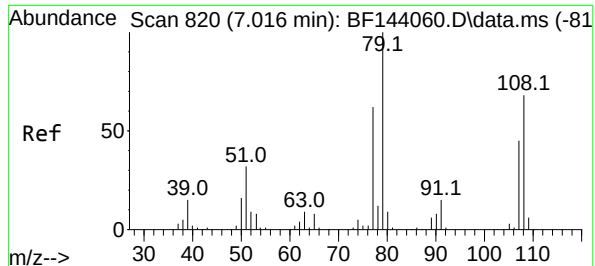
Ion Ratio Lower Upper

146 100

148 61.1 50.8 76.2

111 42.3 34.7 52.1





#15

Benzyl Alcohol

Concen: 9.942 ng

RT: 7.016 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

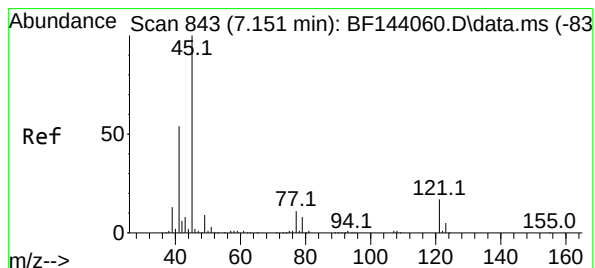
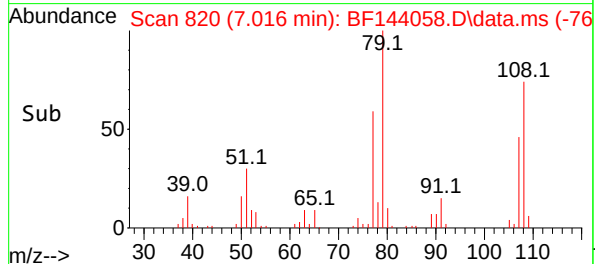
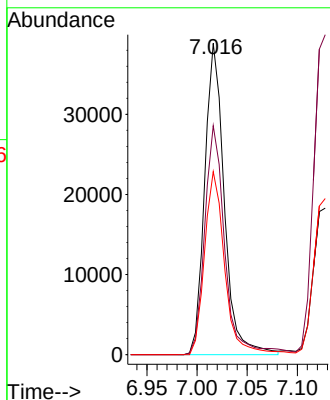
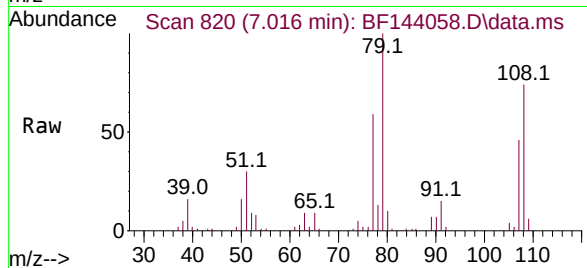
Tgt Ion: 79 Resp: 52766

Ion Ratio Lower Upper

79 100

108 73.5 54.8 82.2

77 58.8 49.4 74.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 10.395 ng

RT: 7.145 min Scan# 842

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

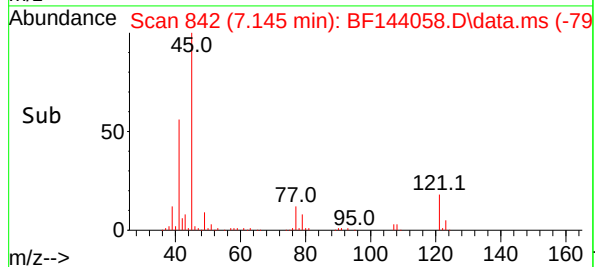
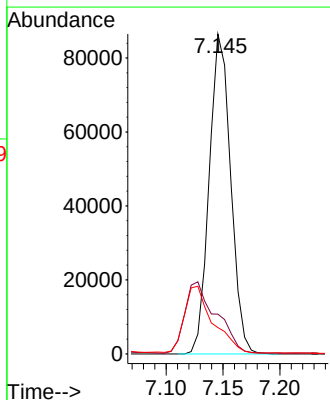
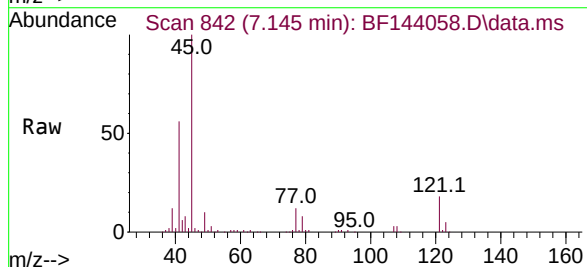
Tgt Ion: 45 Resp: 113682

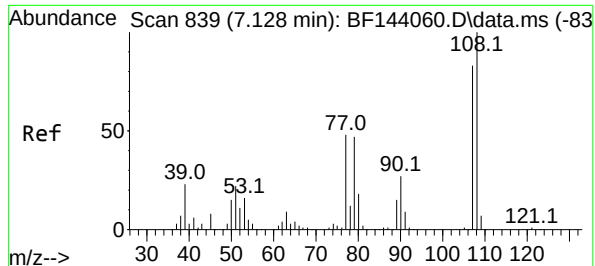
Ion Ratio Lower Upper

45 100

77 12.4 0.0 30.9

79 8.2 0.0 28.2

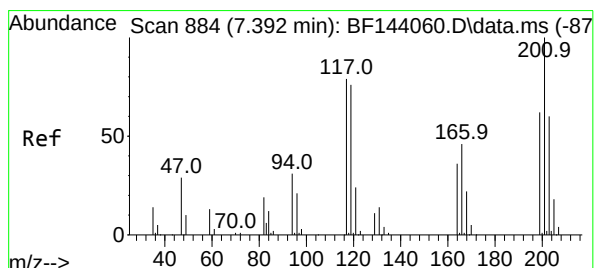
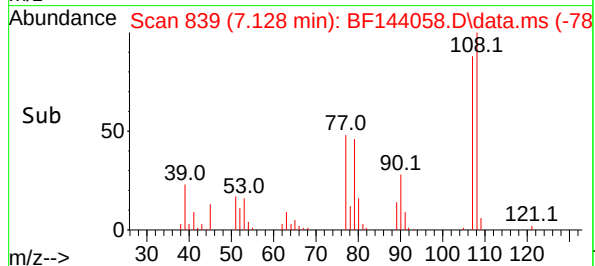
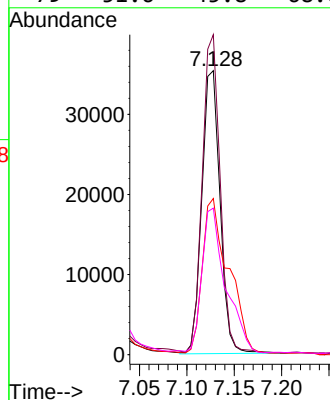
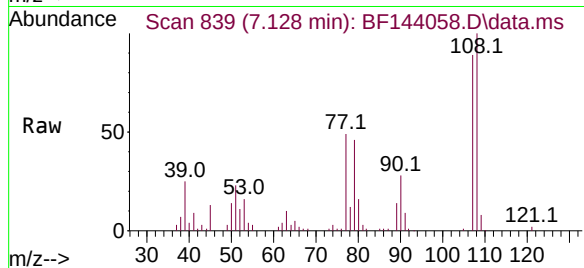




#17
2-Methylphenol
Concen: 10.548 ng
RT: 7.128 min Scan# 839
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

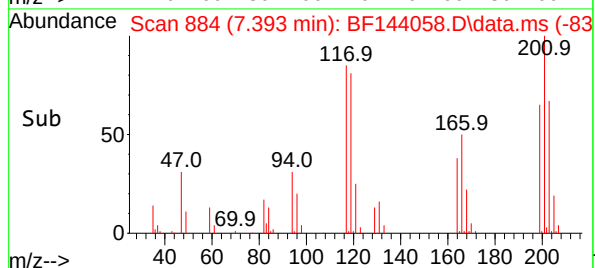
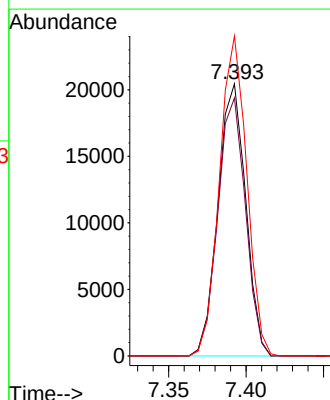
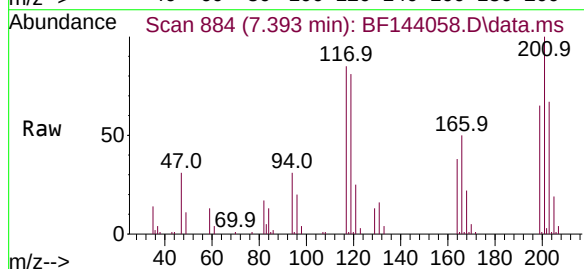
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

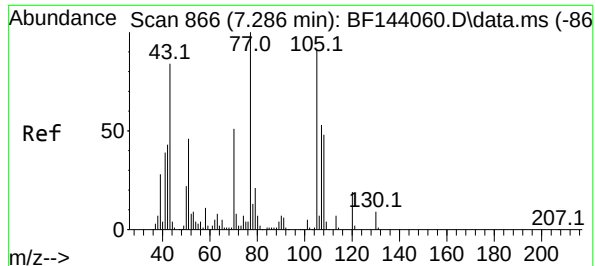
Tgt Ion:	107	Resp:	47217
Ion	Ratio	Lower	Upper
107	100		
108	112.7	96.4	144.6
77	55.0	46.8	70.2
79	51.6	45.8	68.6



#18
Hexachloroethane
Concen: 10.058 ng
RT: 7.393 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:	117	Resp:	25444
Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.6	115.0
201	117.6	100.9	151.3





#19

n-Nitroso-di-n-propylamine

Concen: 10.764 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF144058.D

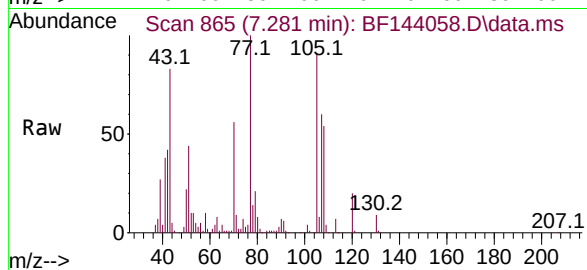
Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC010



Tgt Ion: 70 Resp: 45435

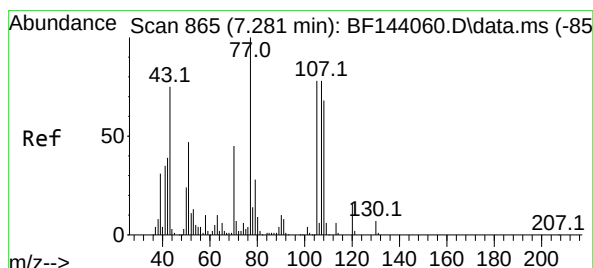
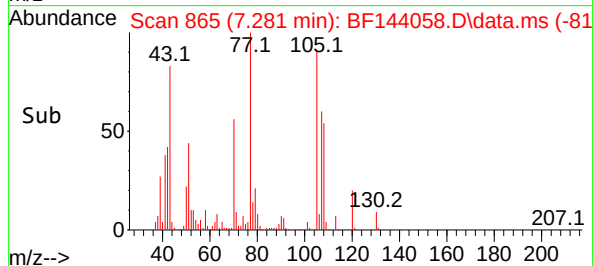
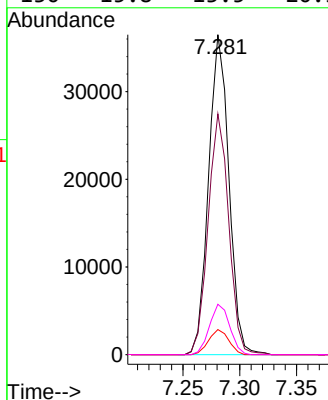
Ion Ratio Lower Upper

70 100

42 75.2 67.4 101.0

101 7.8 7.1 10.7

130 15.8 13.5 20.3



#20

3+4-Methylphenols

Concen: 11.219 ng

RT: 7.281 min Scan# 865

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Tgt Ion: 107 Resp: 59370

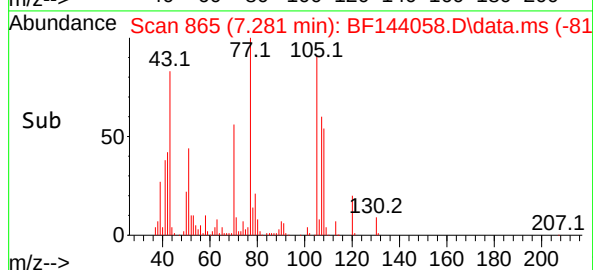
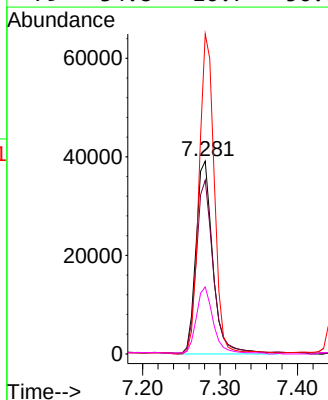
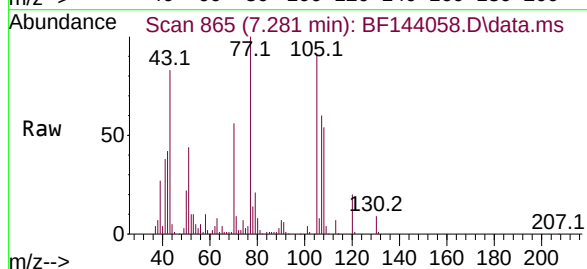
Ion Ratio Lower Upper

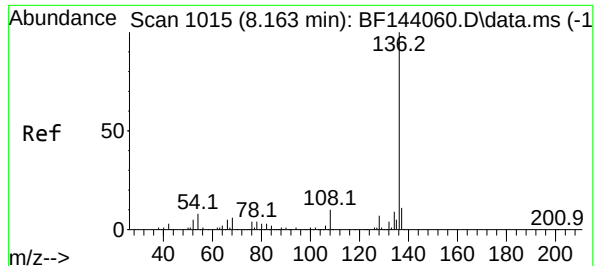
107 100

108 90.1 68.0 108.0

77 166.0 108.7 148.7#

79 34.8 16.7 56.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1015

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 345633

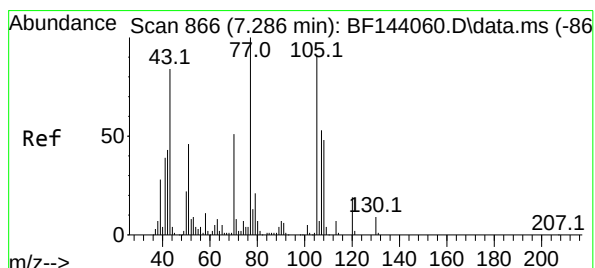
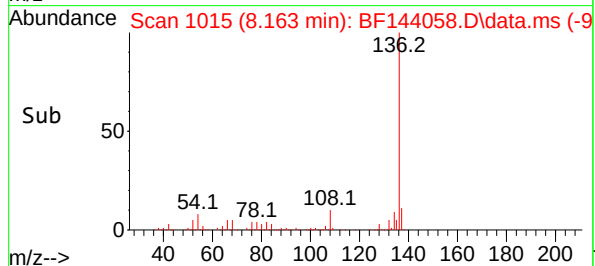
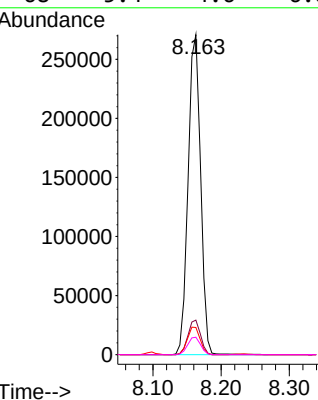
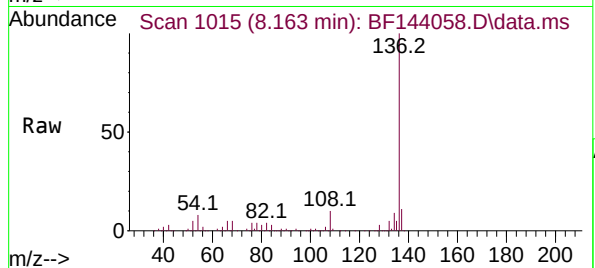
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.5 6.6 9.8

68 5.4 4.6 6.8



#22

Acetophenone

Concen: 10.620 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Tgt Ion:105 Resp: 79330

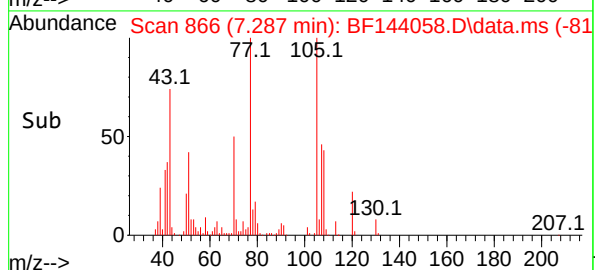
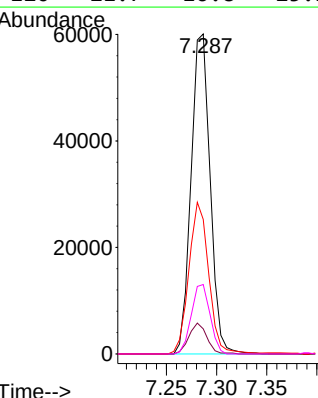
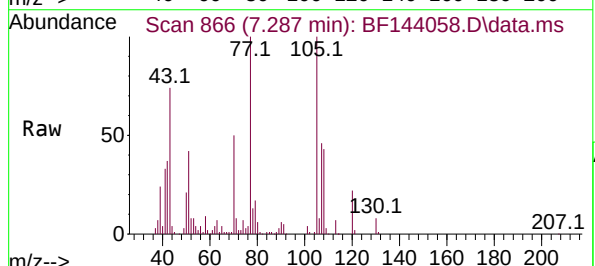
Ion Ratio Lower Upper

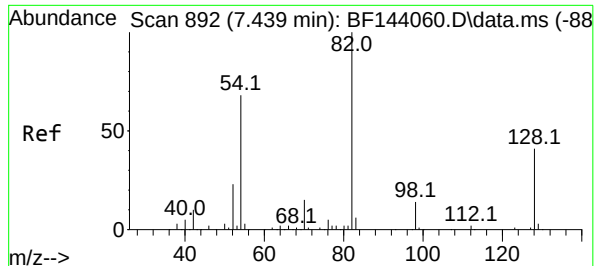
105 100

71 7.8 6.9 10.3

51 42.0 40.6 60.8

120 21.7 16.8 25.2

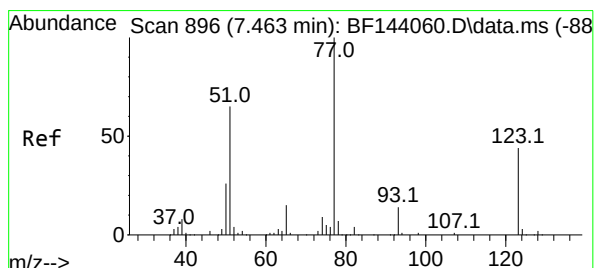
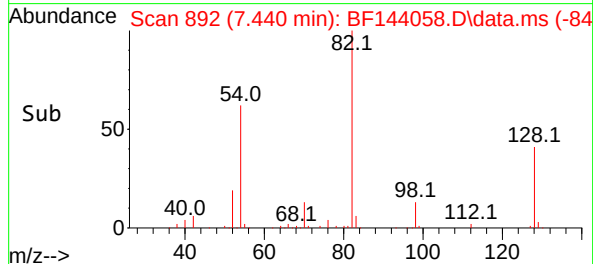
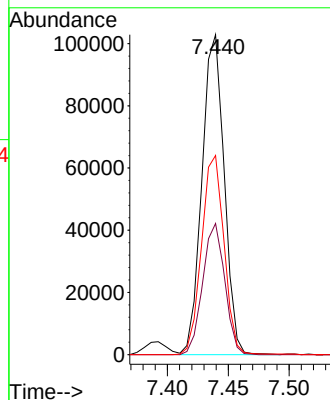
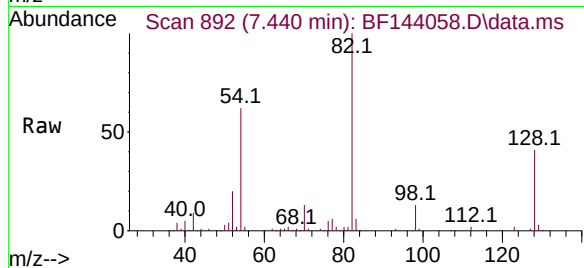




#23
Nitrobenzene-d5
Concen: 20.735 ng
RT: 7.440 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

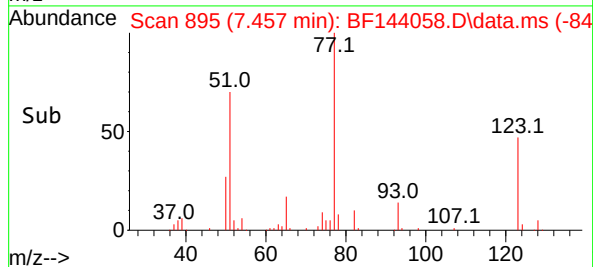
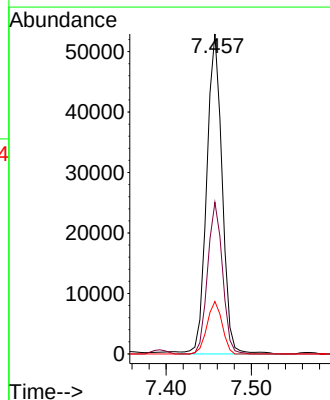
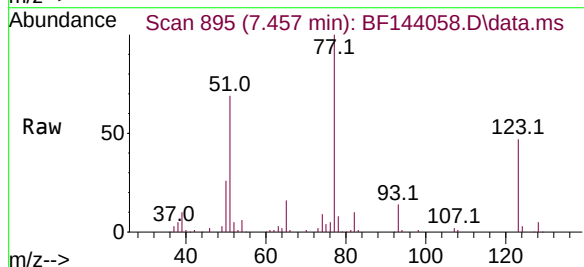
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

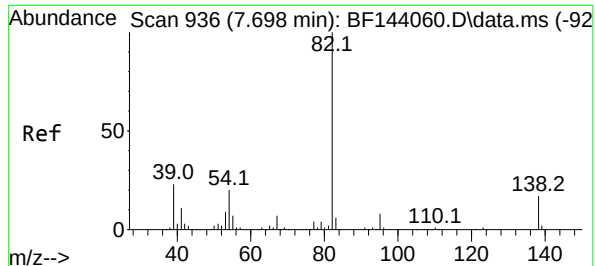
Tgt Ion: 82 Resp: 130813
Ion Ratio Lower Upper
82 100
128 41.0 32.4 48.6
54 62.2 54.0 81.0



#24
Nitrobenzene
Concen: 9.941 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 77 Resp: 66345
Ion Ratio Lower Upper
77 100
123 47.4 35.0 52.6
65 16.4 12.2 18.2

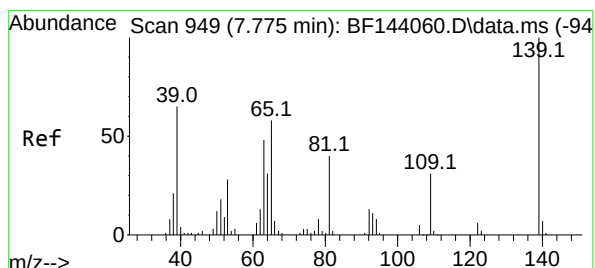
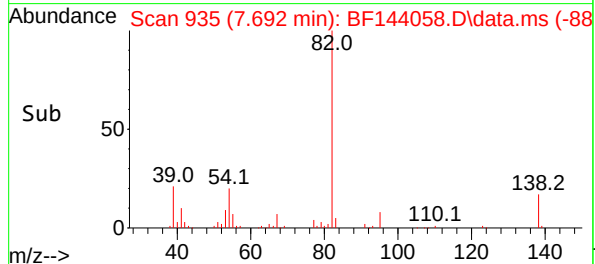
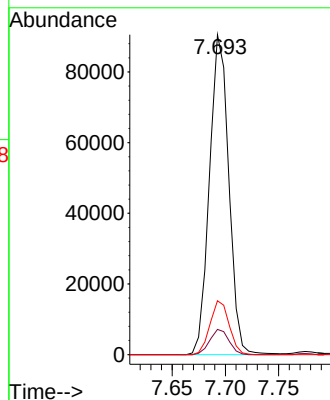
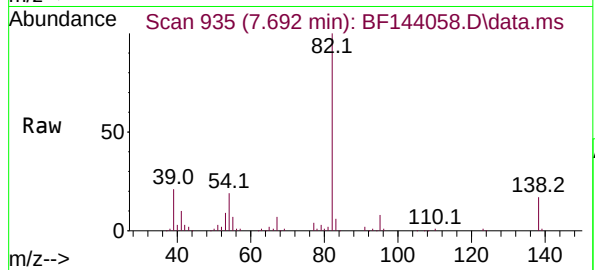




#25
Isophorone
Concen: 10.366 ng
RT: 7.692 min Scan# 936
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

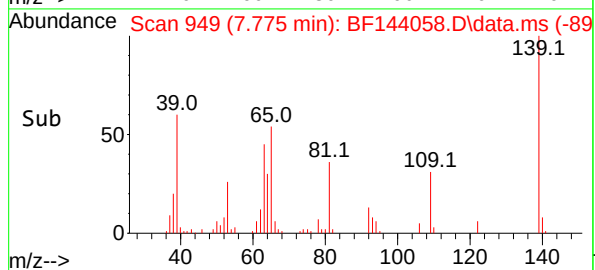
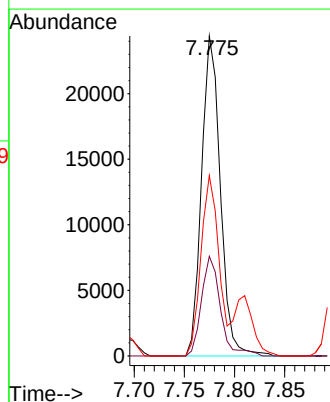
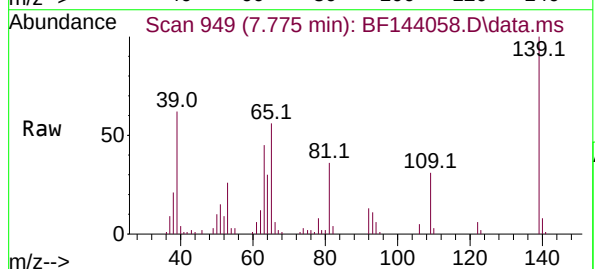
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

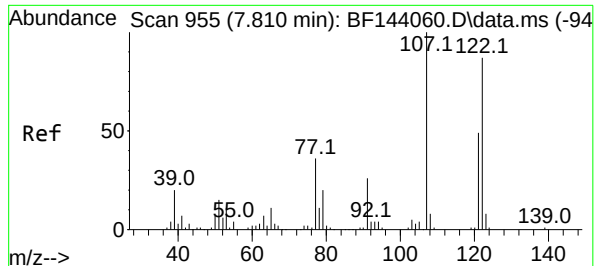
Tgt Ion: 82 Resp: 114333
Ion Ratio Lower Upper
82 100
95 7.9 6.6 9.8
138 16.8 13.8 20.8



#26
2-Nitrophenol
Concen: 9.992 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 139 Resp: 31721
Ion Ratio Lower Upper
139 100
109 31.1 24.6 37.0
65 56.3 46.6 69.8





#27

2,4-Dimethylphenol

Concen: 10.215 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

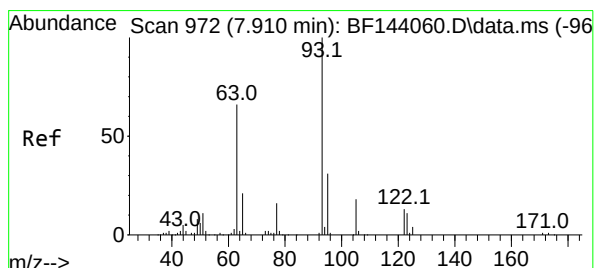
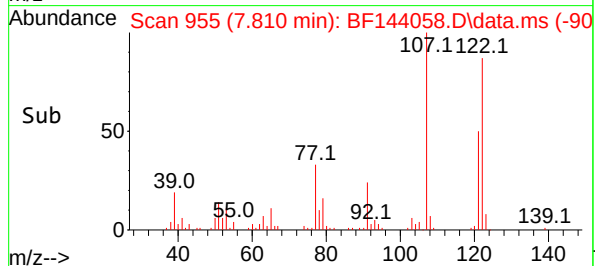
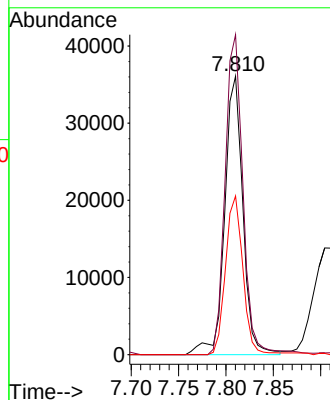
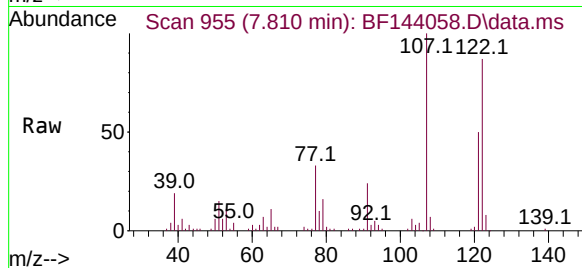
Tgt Ion:122 Resp: 48192

Ion Ratio Lower Upper

122 100

107 114.9 91.8 137.8

121 56.9 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 10.241 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

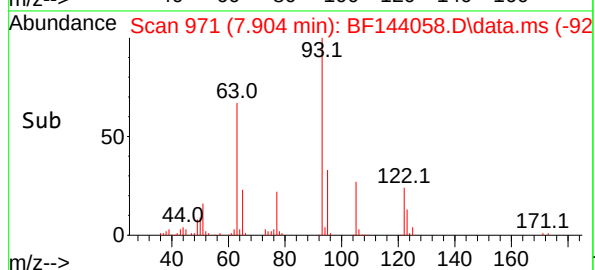
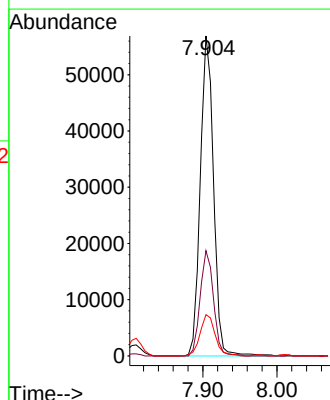
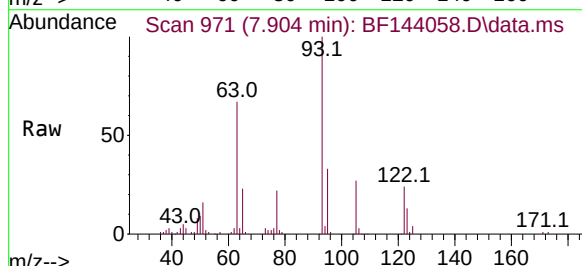
Tgt Ion: 93 Resp: 70437

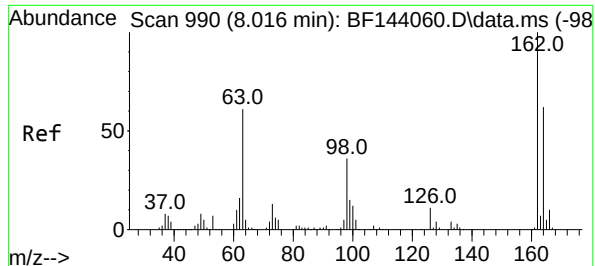
Ion Ratio Lower Upper

93 100

95 32.9 24.6 36.8

123 12.9 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 10.858 ng

RT: 8.016 min Scan# 99

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

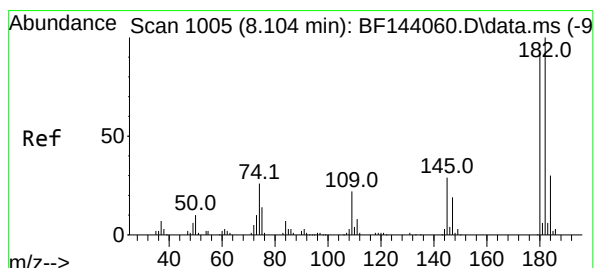
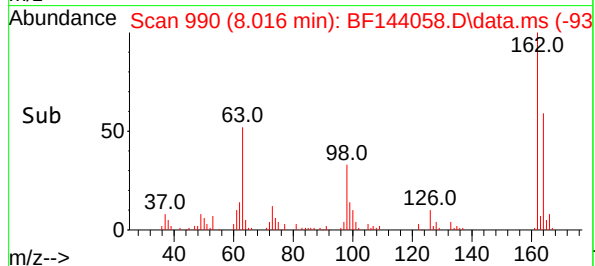
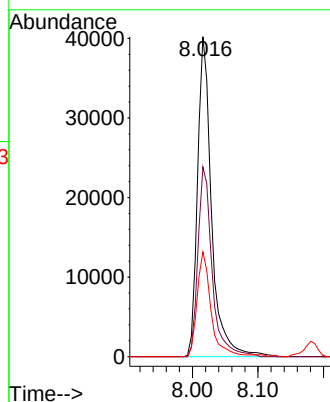
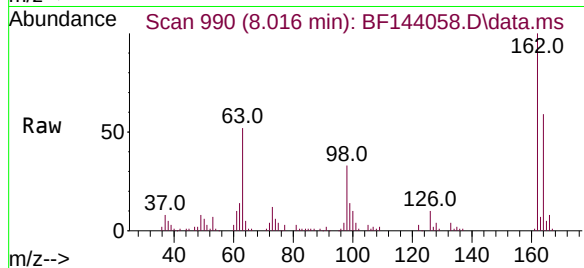
Tgt Ion:162 Resp: 59570

Ion Ratio Lower Upper

162 100

164 59.2 42.1 82.1

98 32.7 16.0 56.0



#30

1,2,4-Trichlorobenzene

Concen: 10.367 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

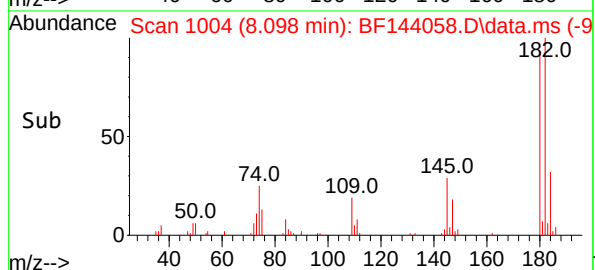
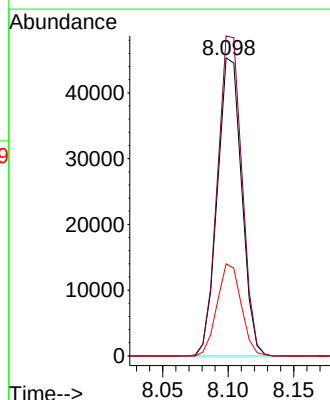
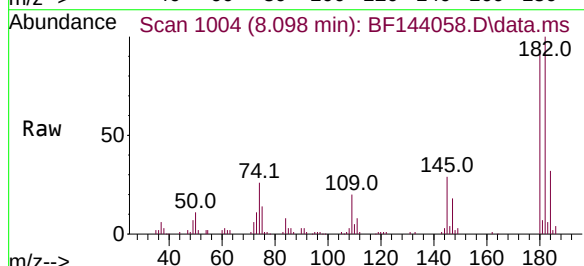
Tgt Ion:180 Resp: 58514

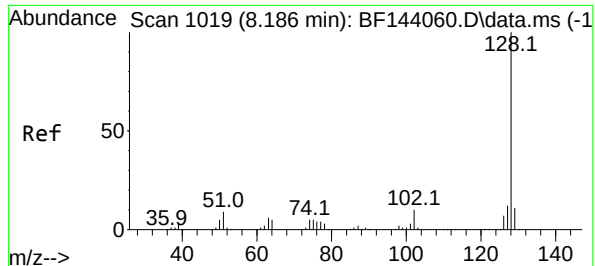
Ion Ratio Lower Upper

180 100

182 107.4 87.1 130.7

145 30.9 25.3 37.9

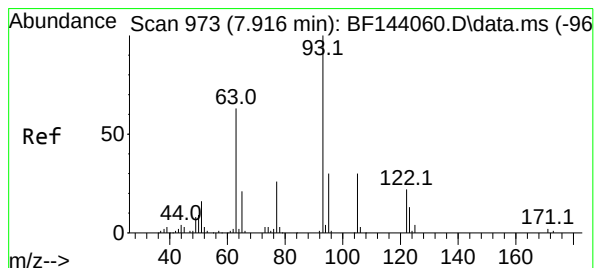
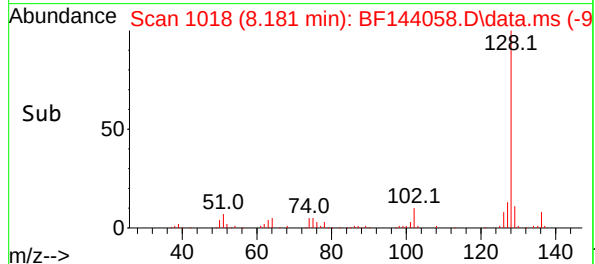
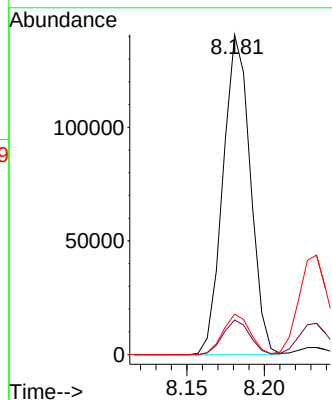
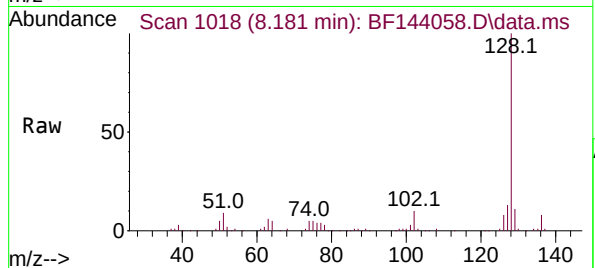




#31
Naphthalene
Concen: 10.618 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

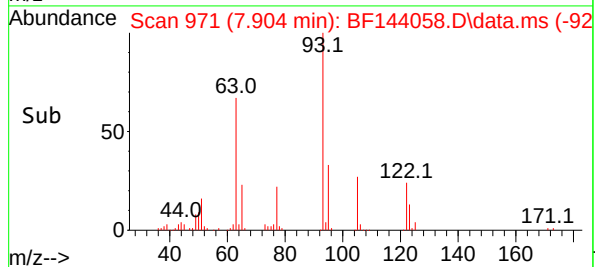
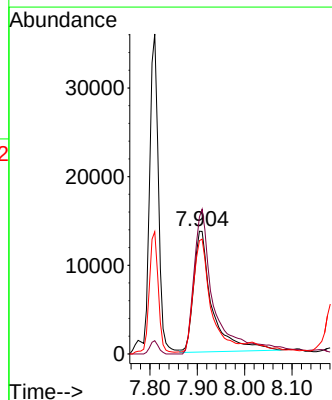
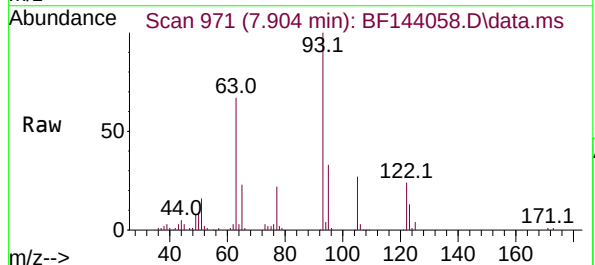
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

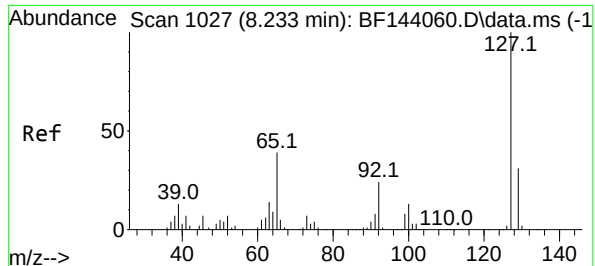
Tgt Ion:128 Resp: 173217
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 12.6 9.9 14.9



#32
Benzoic acid
Concen: 12.520 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.012 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:122 Resp: 37467
Ion Ratio Lower Upper
122 100
105 111.5 111.3 151.3
77 92.4 96.7 136.7#





#33

4-Chloroaniline

Concen: 10.837 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:127 Resp: 61541

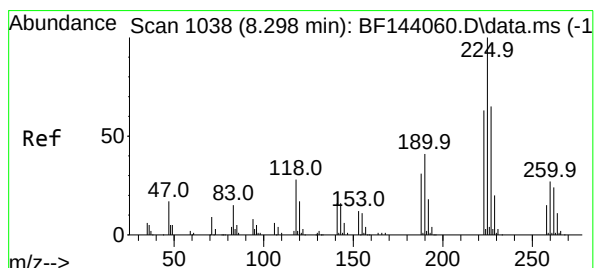
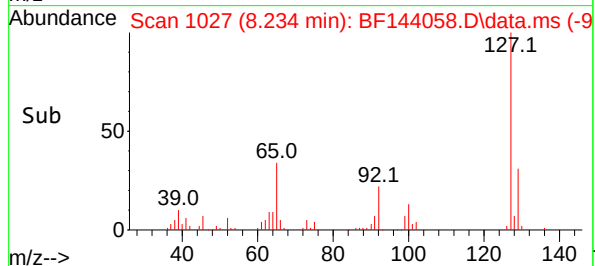
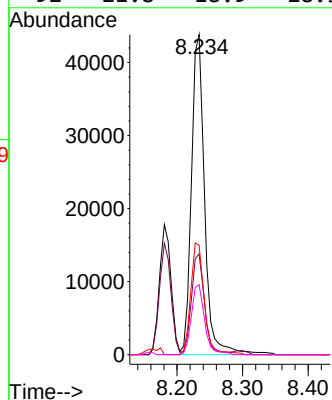
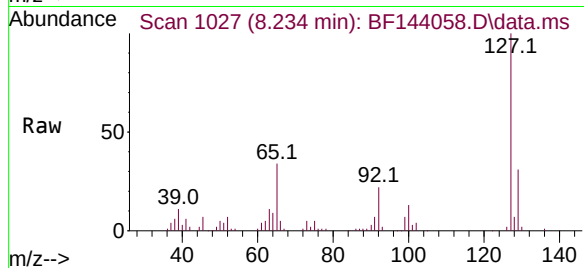
Ion Ratio Lower Upper

127 100

129 31.5 25.6 38.4

65 34.2 30.9 46.3

92 21.8 18.9 28.3



#34

Hexachlorobutadiene

Concen: 10.323 ng

RT: 8.298 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

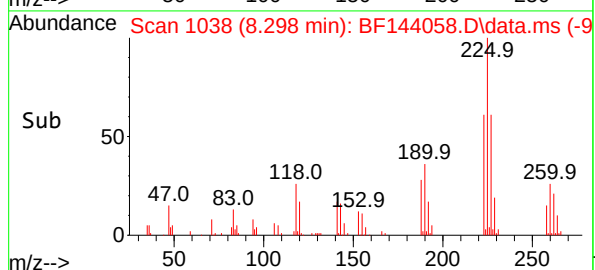
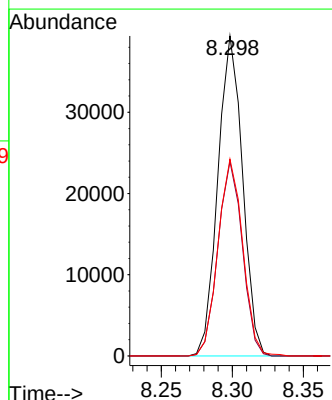
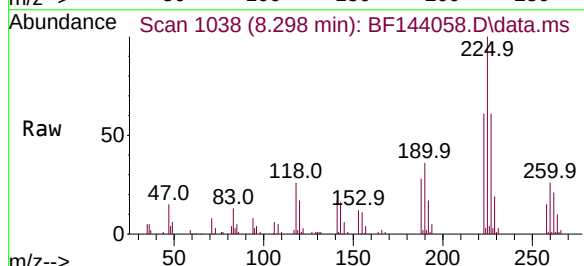
Tgt Ion:225 Resp: 47643

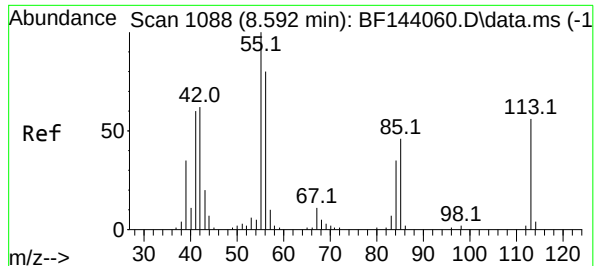
Ion Ratio Lower Upper

225 100

223 60.7 50.6 76.0

227 61.5 51.8 77.8





#35

Caprolactam

Concen: 9.779 ng

RT: 8.575 min Scan# 1085

Delta R.T. -0.017 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

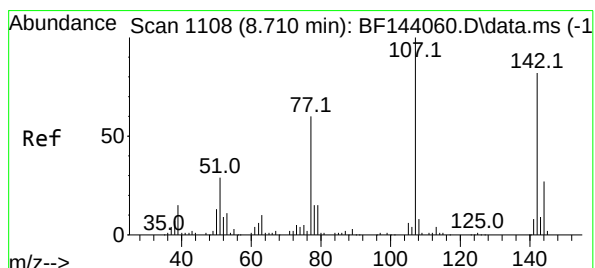
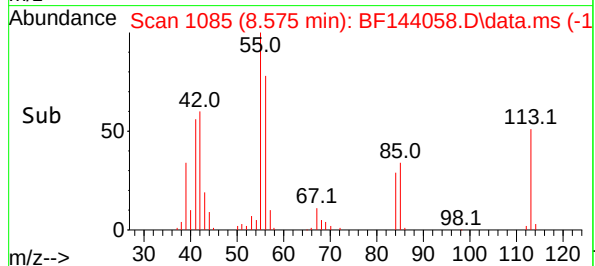
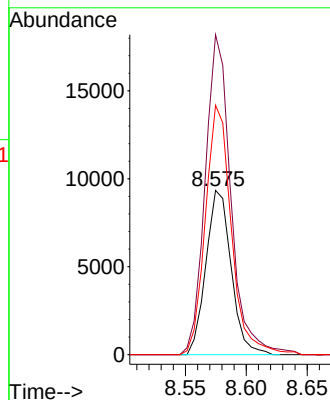
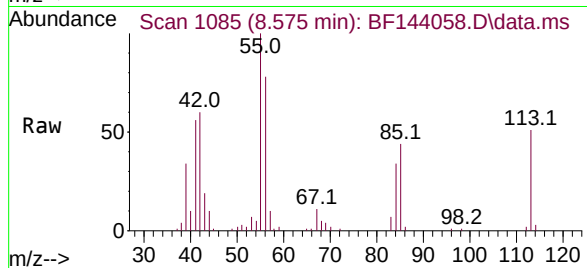
Tgt Ion:113 Resp: 13454

Ion Ratio Lower Upper

113 100

55 194.9 160.1 200.1

56 151.9 124.9 164.9



#36

4-Chloro-3-methylphenol

Concen: 10.327 ng

RT: 8.704 min Scan# 1107

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

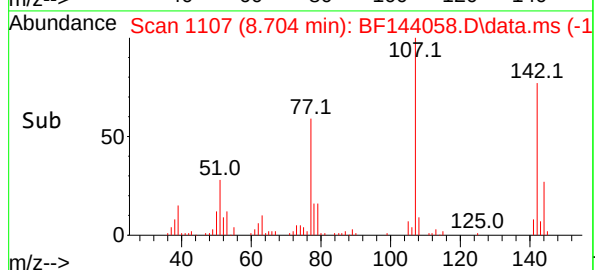
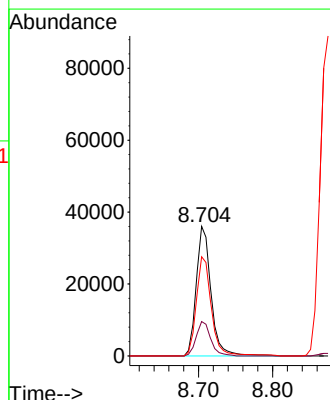
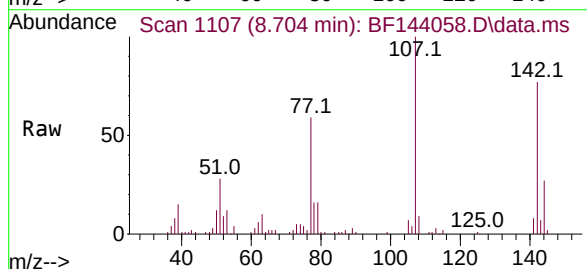
Tgt Ion:107 Resp: 50000

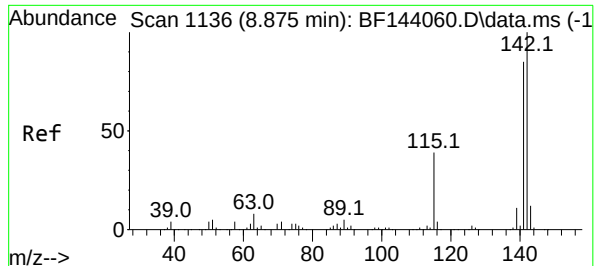
Ion Ratio Lower Upper

107 100

144 26.5 21.6 32.4

142 76.6 65.4 98.0





#37

2-Methylnaphthalene

Concen: 10.507 ng

RT: 8.875 min Scan# 1136

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

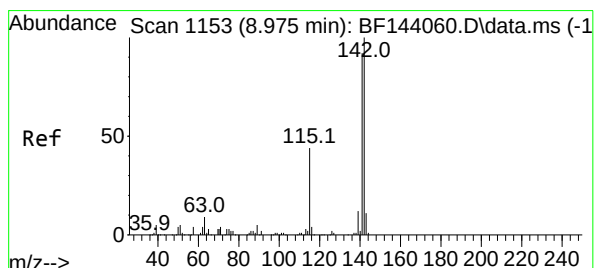
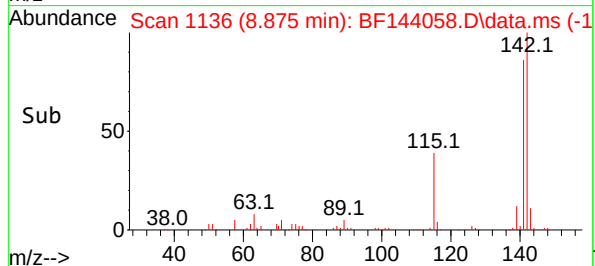
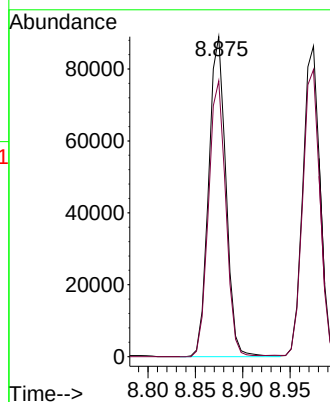
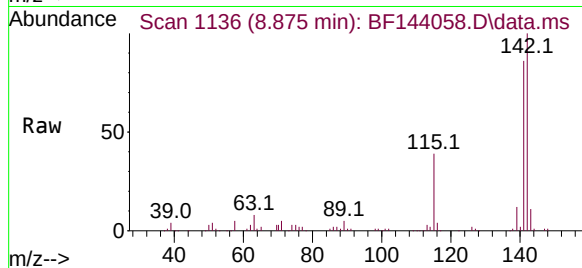
SSTDICC010

Tgt Ion:142 Resp: 113005

Ion Ratio Lower Upper

142 100

141 86.2 67.6 101.4



#38

1-Methylnaphthalene

Concen: 10.642 ng

RT: 8.975 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF144058.D

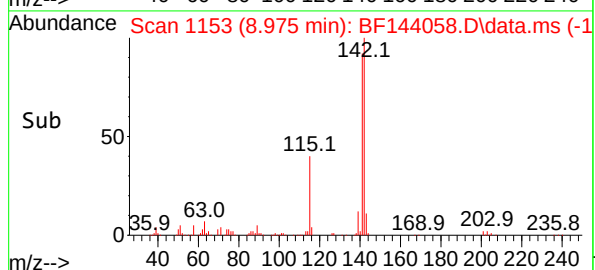
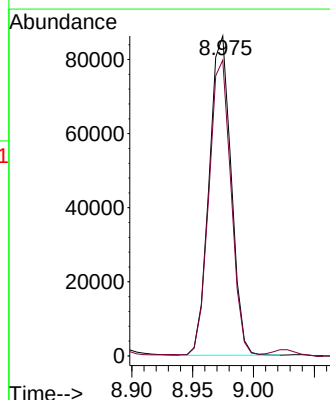
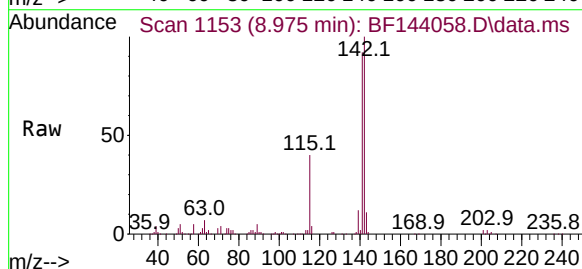
Acq: 24 Oct 2025 11:39

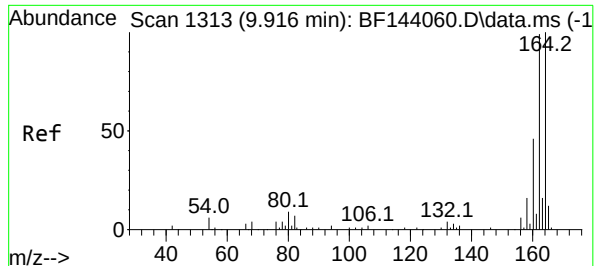
Tgt Ion:142 Resp: 108437

Ion Ratio Lower Upper

142 100

141 92.4 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

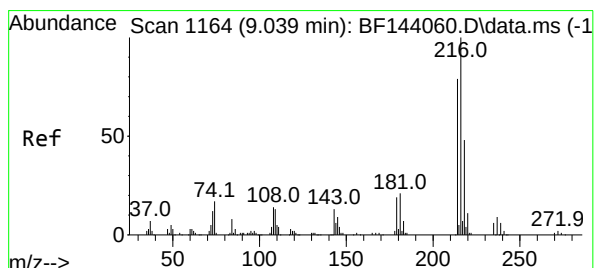
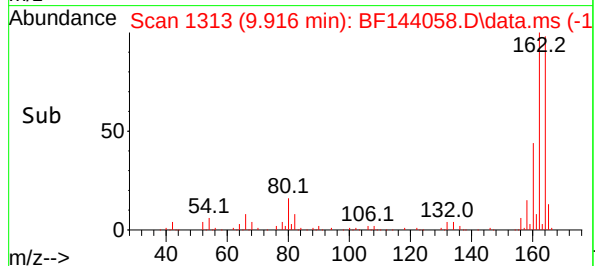
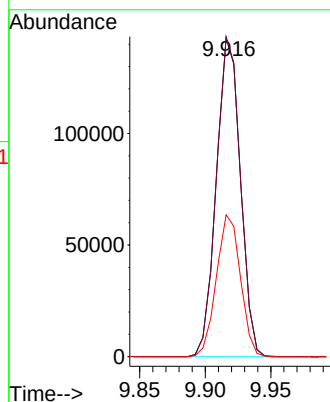
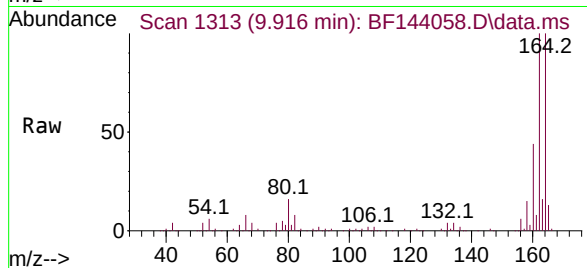
Tgt Ion:164 Resp: 181955

Ion Ratio Lower Upper

164 100

162 100.4 79.4 119.2

160 44.5 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.283 ng

RT: 9.039 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Tgt Ion:216 Resp: 64302

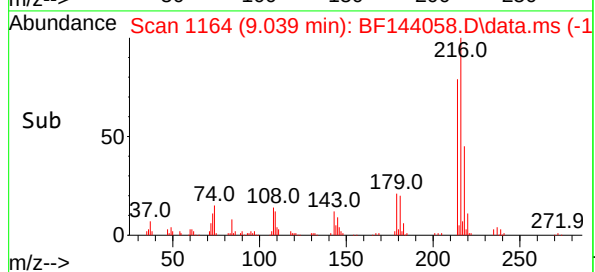
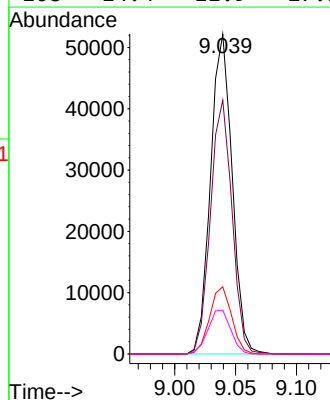
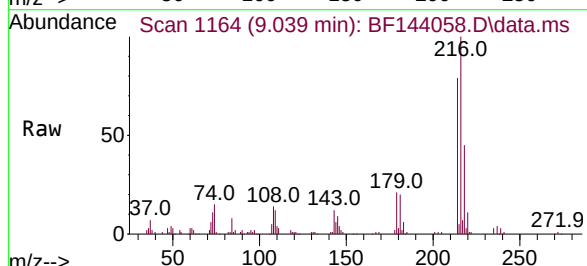
Ion Ratio Lower Upper

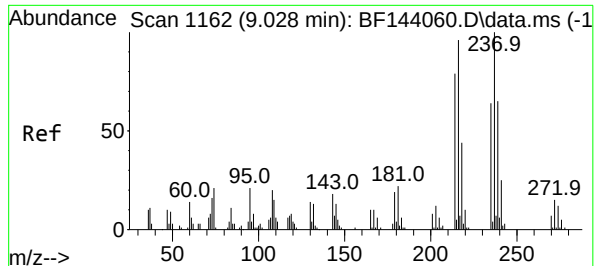
216 100

214 78.8 63.2 94.8

179 21.3 15.2 22.8

108 14.4 11.9 17.9

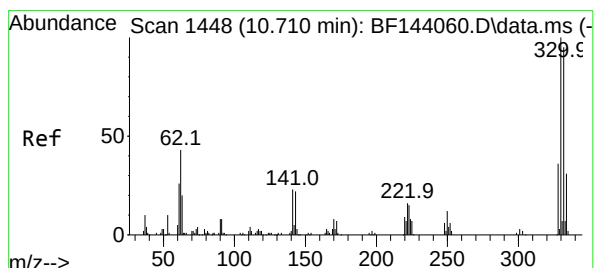
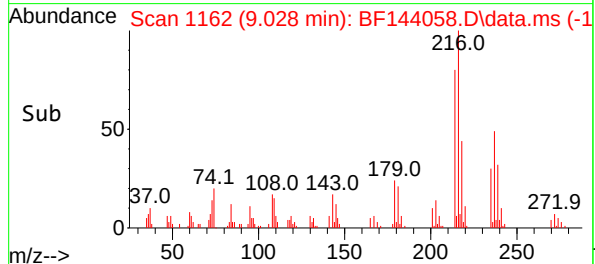
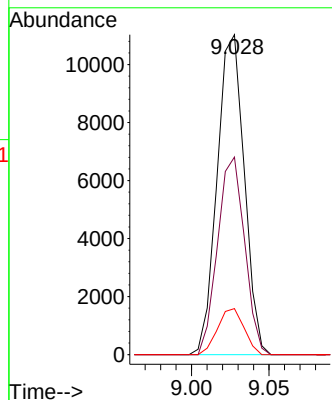
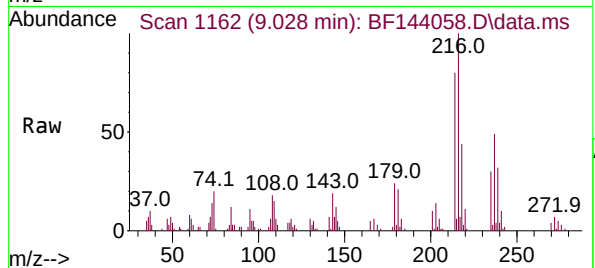




#41
Hexachlorocyclopentadiene
Concen: 6.972 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

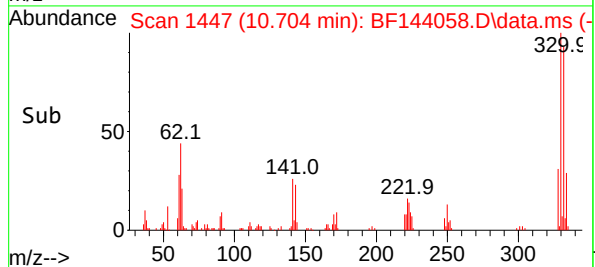
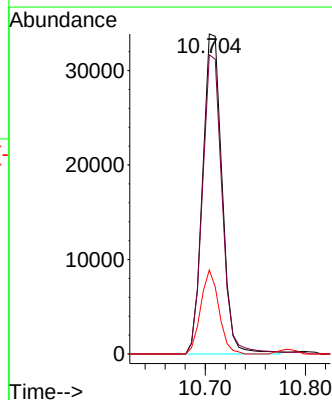
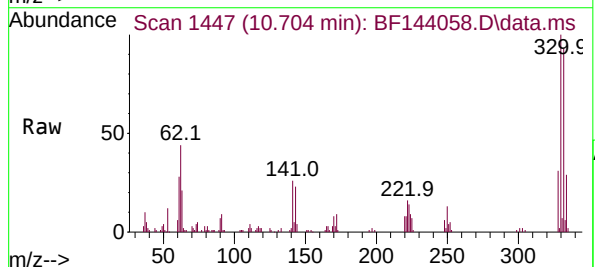
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

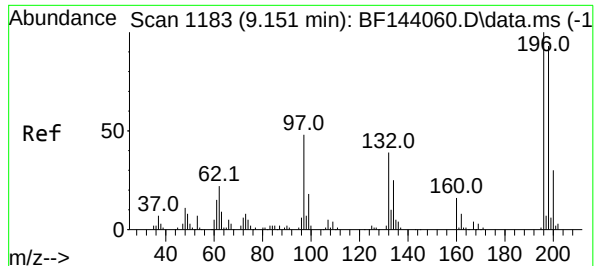
Tgt Ion: 237 Resp: 13467
Ion Ratio Lower Upper
237 100
235 61.7 44.3 84.3
272 14.4 0.0 35.2



#42
2,4,6-Tribromophenol
Concen: 19.574 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 330 Resp: 45367
Ion Ratio Lower Upper
330 100
332 94.9 77.0 115.6
141 24.4 19.4 29.0





#43

2,4,6-Trichlorophenol

Concen: 10.000 ng

RT: 9.151 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

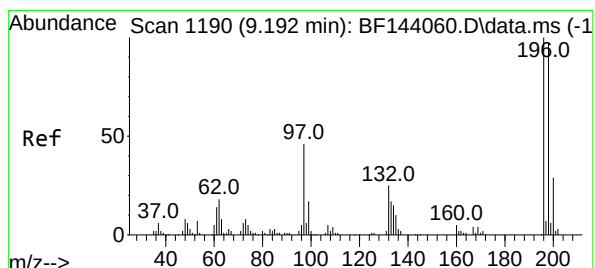
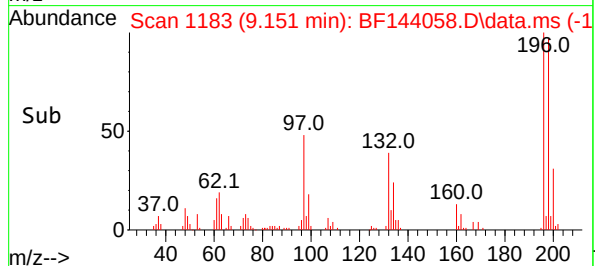
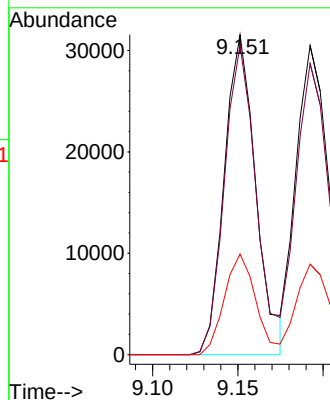
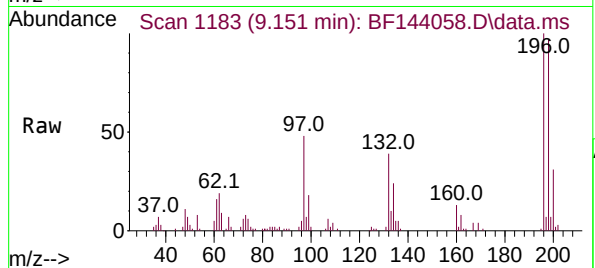
Tgt Ion:196 Resp: 40647

Ion Ratio Lower Upper

196 100

198 96.6 74.4 111.6

200 31.4 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 10.341 ng

RT: 9.192 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Tgt Ion:196 Resp: 44114

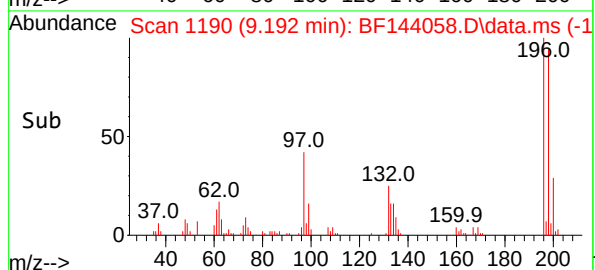
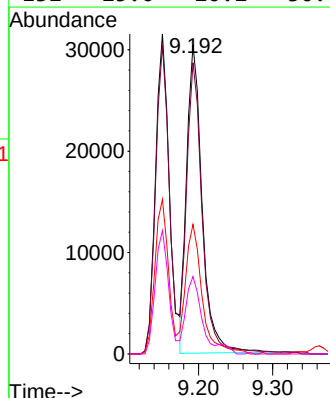
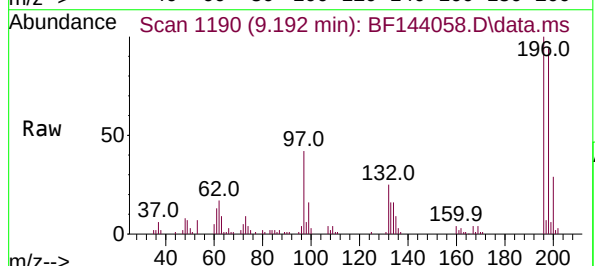
Ion Ratio Lower Upper

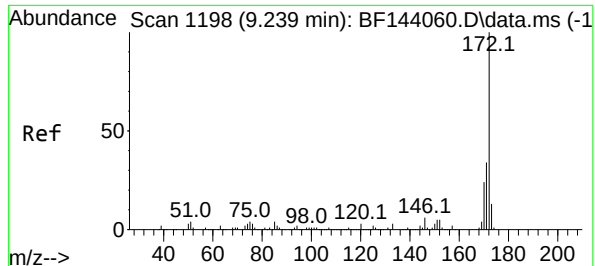
196 100

198 94.2 78.0 117.0

97 41.9 37.7 56.5

132 25.0 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 21.152 ng

RT: 9.234 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

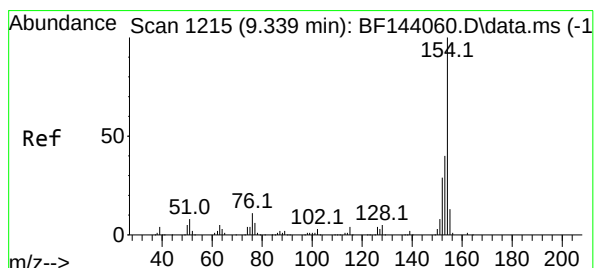
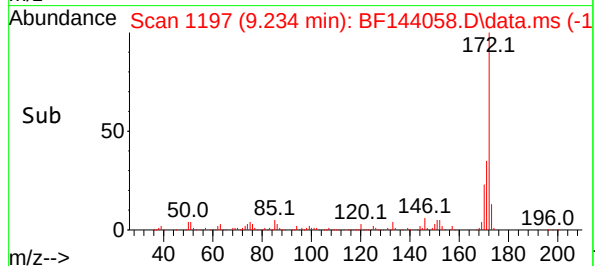
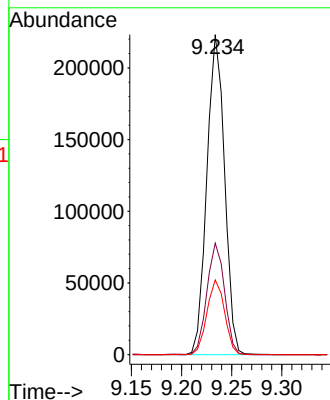
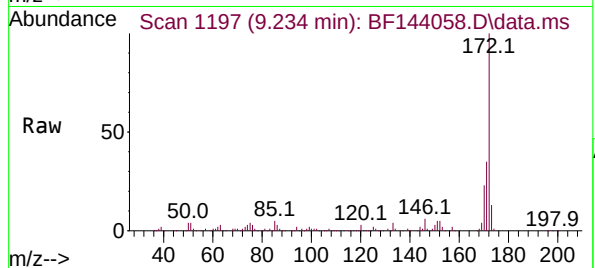
Tgt Ion:172 Resp: 273504

Ion Ratio Lower Upper

172 100

171 34.8 27.5 41.3

170 23.3 19.0 28.6



#46

1,1'-Biphenyl

Concen: 10.704 ng

RT: 9.334 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

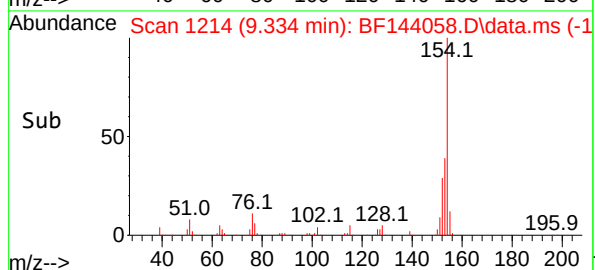
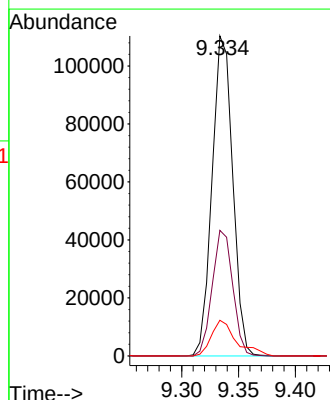
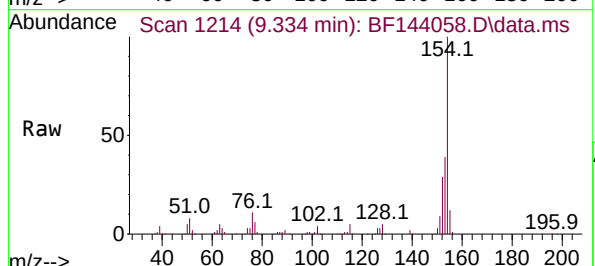
Tgt Ion:154 Resp: 139423

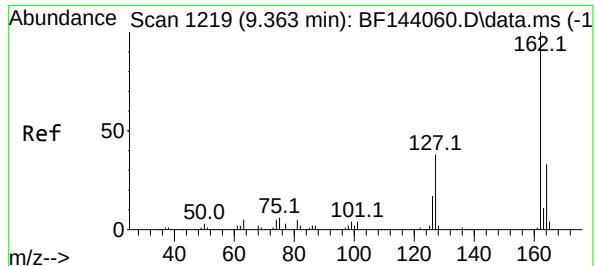
Ion Ratio Lower Upper

154 100

153 39.2 19.7 59.7

76 11.1 0.0 31.1





#47

2-Chloronaphthalene

Concen: 10.540 ng

RT: 9.363 min Scan# 1219

Delta R.T. 0.000 min

Lab File: BF144058.D

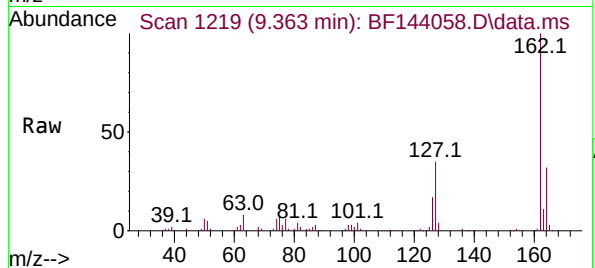
Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



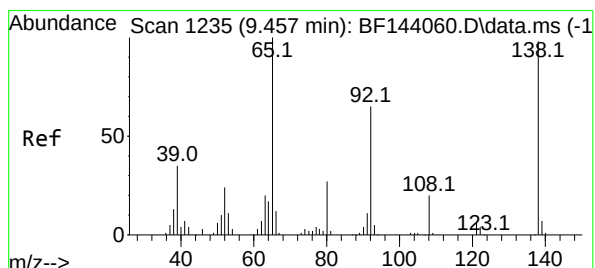
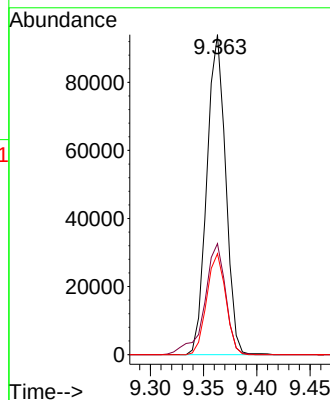
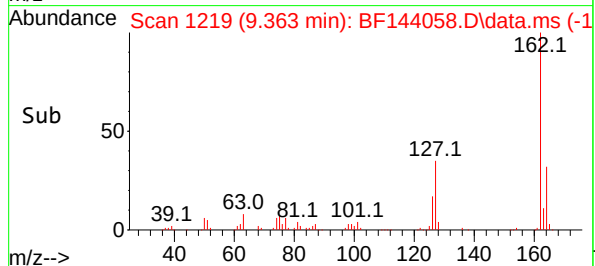
Tgt Ion:162 Resp: 115014

Ion Ratio Lower Upper

162 100

127 34.7 31.6 47.4

164 31.5 26.5 39.7



#48

2-Nitroaniline

Concen: 10.076 ng

RT: 9.457 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

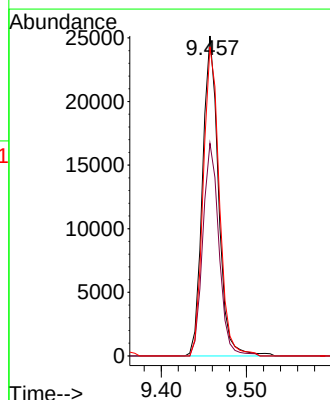
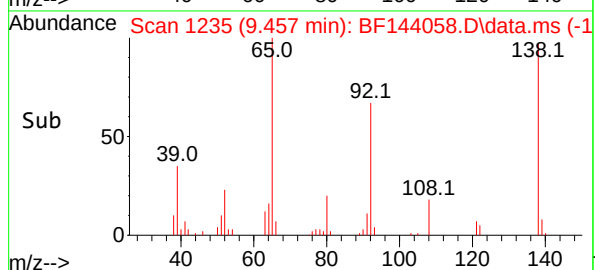
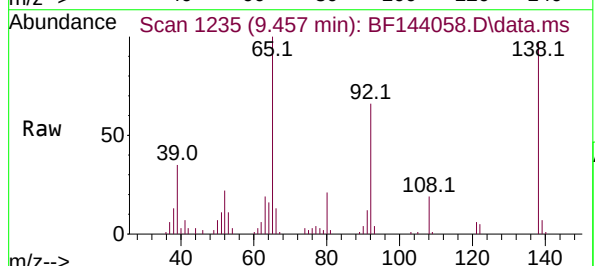
Tgt Ion: 65 Resp: 32649

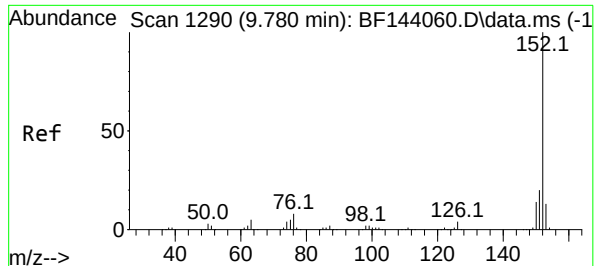
Ion Ratio Lower Upper

65 100

92 66.4 52.3 78.5

138 96.6 78.3 117.5





#49

Acenaphthylene

Concen: 10.470 ng

RT: 9.775 min Scan# 1289

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

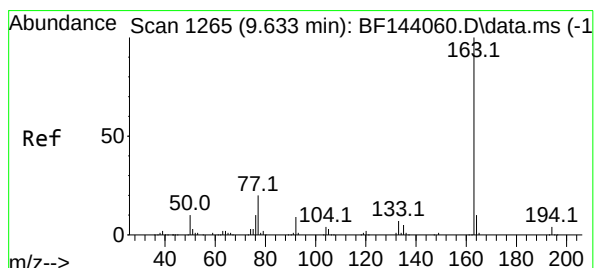
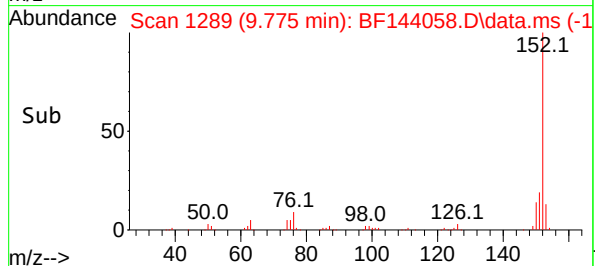
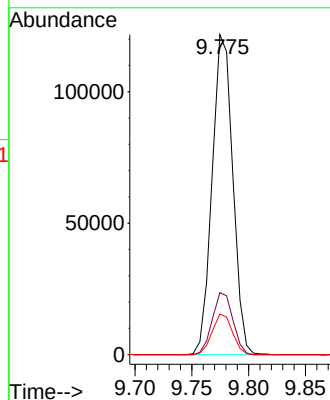
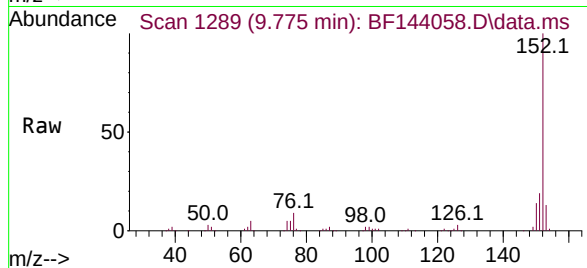
Tgt Ion:152 Resp: 154058

Ion Ratio Lower Upper

152 100

151 19.4 15.9 23.9

153 12.7 10.4 15.6



#50

Dimethylphthalate

Concen: 10.133 ng

RT: 9.628 min Scan# 1264

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

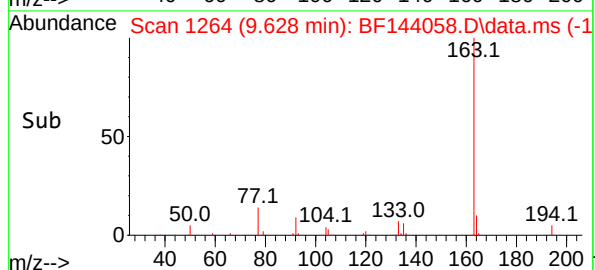
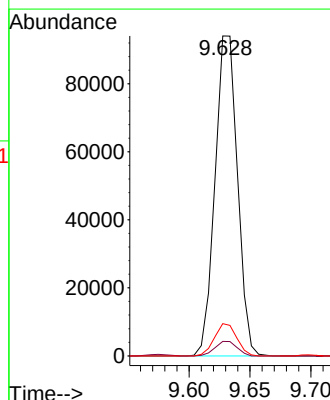
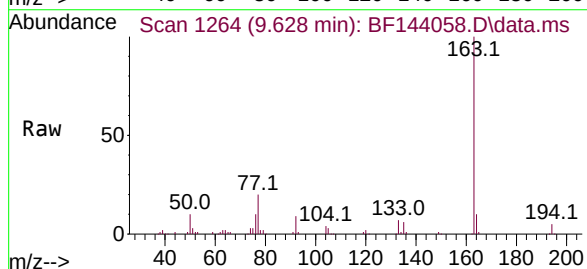
Tgt Ion:163 Resp: 120856

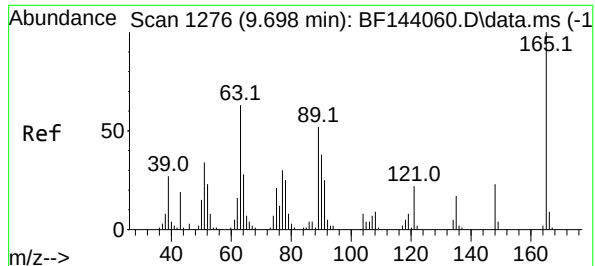
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

164 10.1 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 9.899 ng

RT: 9.698 min Scan# 1276

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

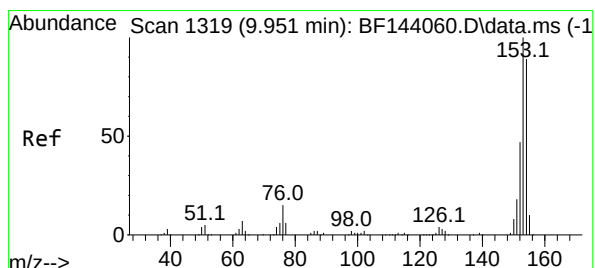
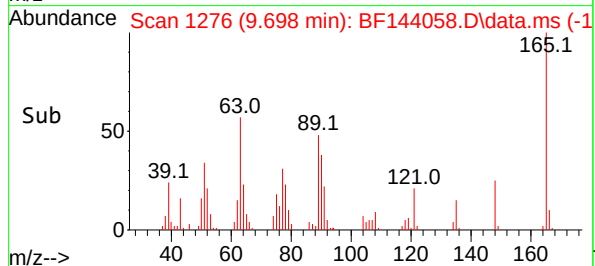
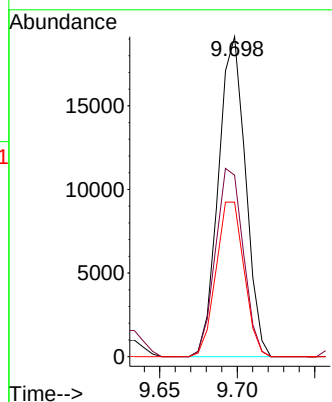
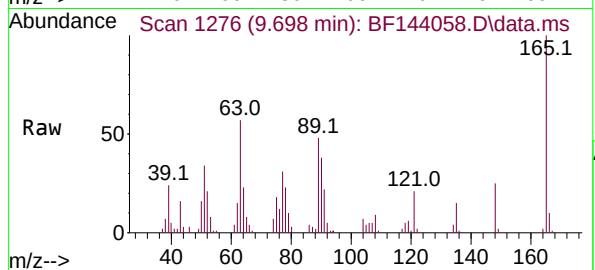
Tgt Ion:165 Resp: 23341

Ion Ratio Lower Upper

165 100

63 56.7 50.4 75.6

89 48.3 41.4 62.2



#52

Acenaphthene

Concen: 10.671 ng

RT: 9.951 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

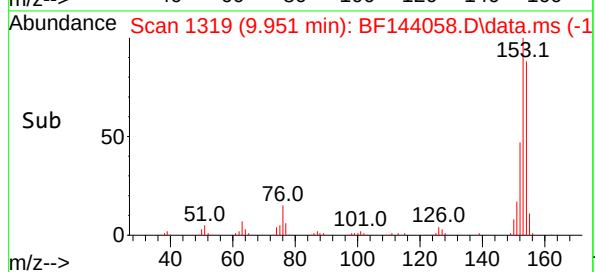
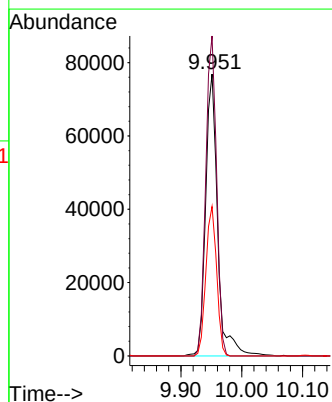
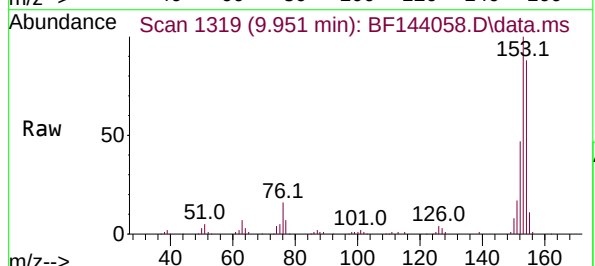
Tgt Ion:154 Resp: 104855

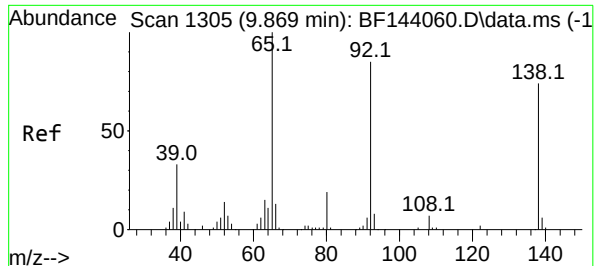
Ion Ratio Lower Upper

154 100

153 113.5 89.9 134.9

152 53.0 42.0 63.0





#53

3-Nitroaniline

Concen: 10.196 ng

RT: 9.869 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

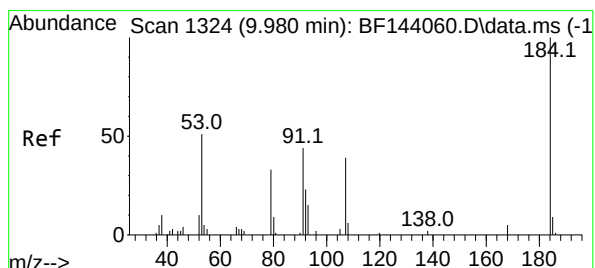
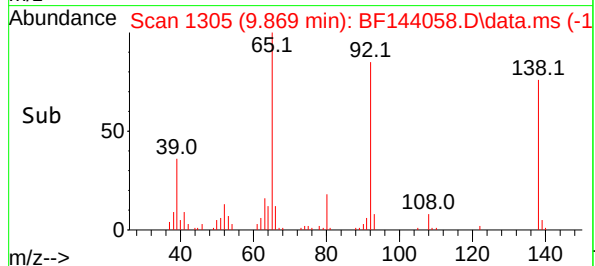
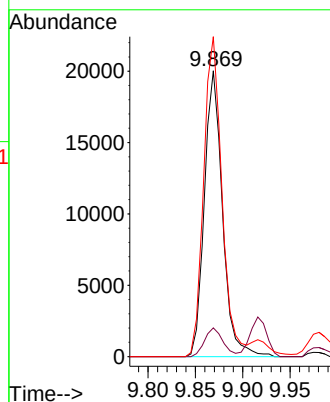
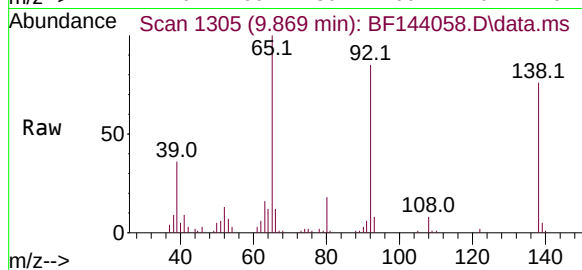
Tgt Ion:138 Resp: 26729

Ion Ratio Lower Upper

138 100

108 10.1 7.9 11.9

92 111.9 92.0 138.0



#54

2,4-Dinitrophenol

Concen: 11.496 ng

RT: 9.981 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

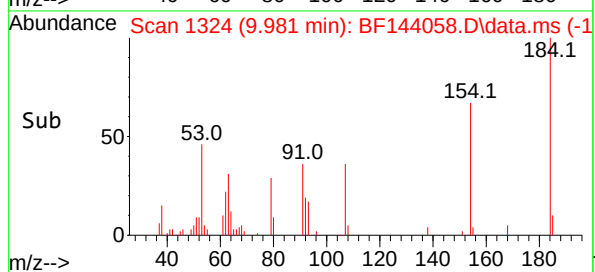
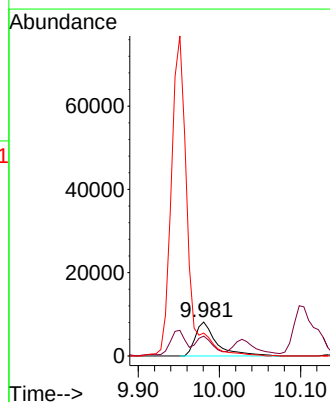
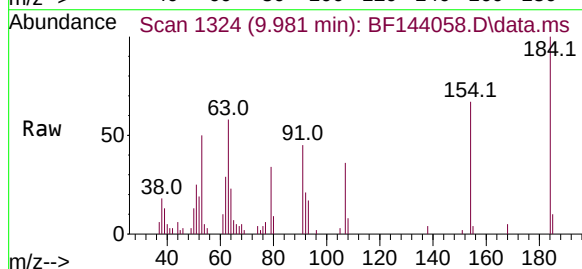
Tgt Ion:184 Resp: 14660

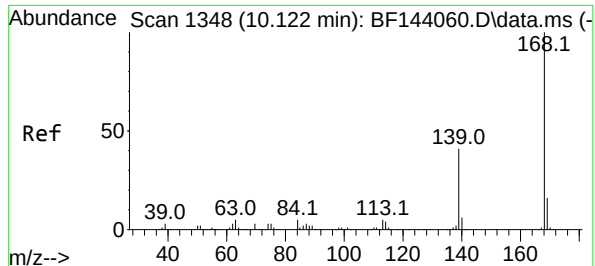
Ion Ratio Lower Upper

184 100

63 58.3 52.1 78.1

154 67.4 47.9 71.9

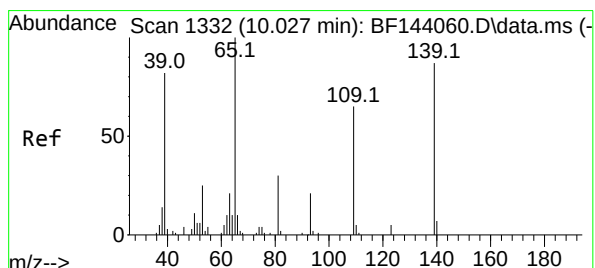
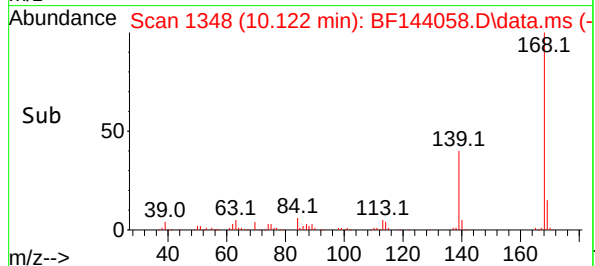
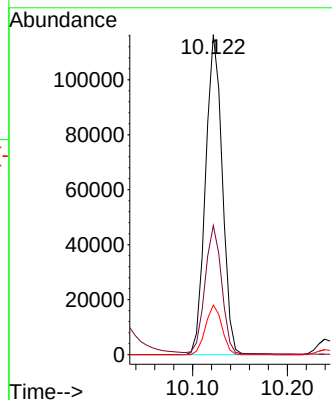
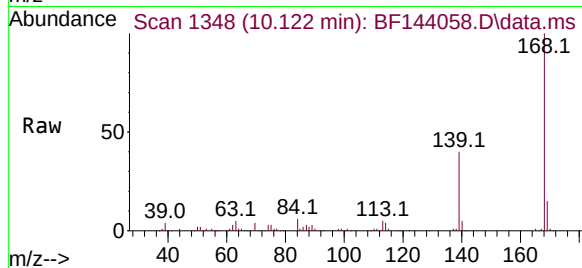




#55
Dibenzenofuran
Concen: 10.481 ng
RT: 10.122 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

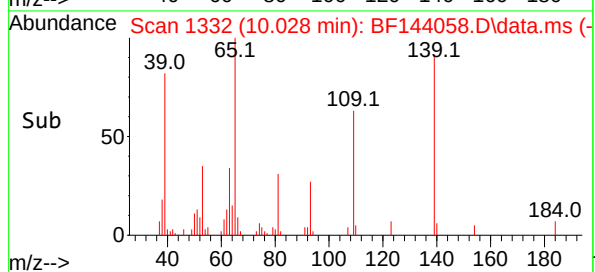
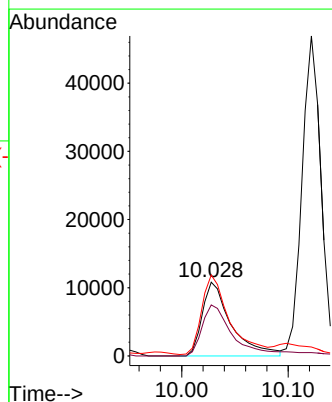
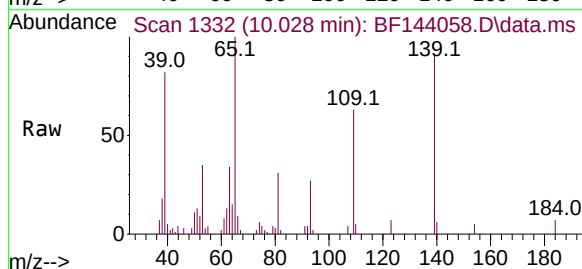
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

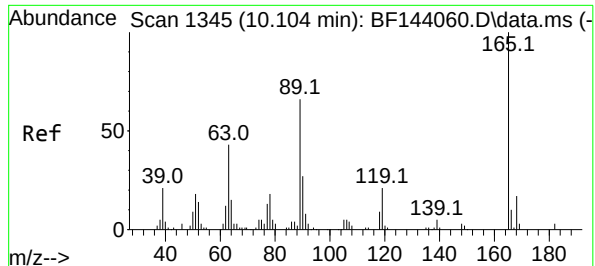
Tgt Ion:168 Resp: 142976
Ion Ratio Lower Upper
168 100
139 40.3 33.2 49.8
169 15.5 12.6 19.0



#56
4-Nitrophenol
Concen: 11.482 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:139 Resp: 20383
Ion Ratio Lower Upper
139 100
109 69.1 53.8 93.8
65 109.7 95.9 135.9

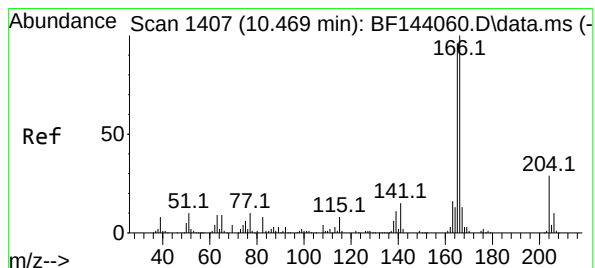
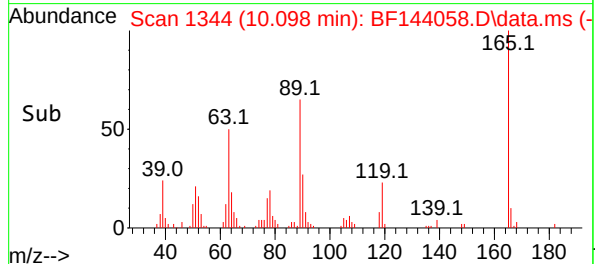
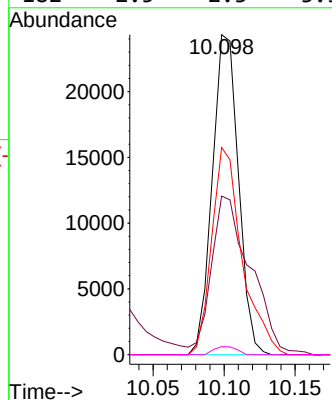
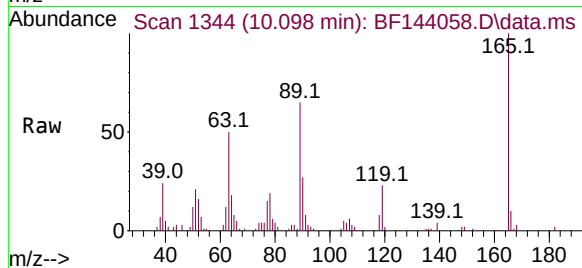




#57
2,4-Dinitrotoluene
Concen: 9.793 ng
RT: 10.098 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

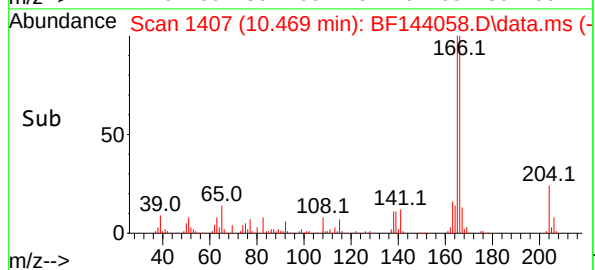
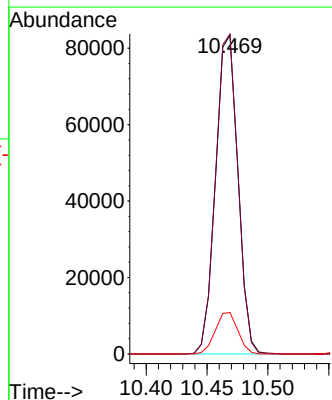
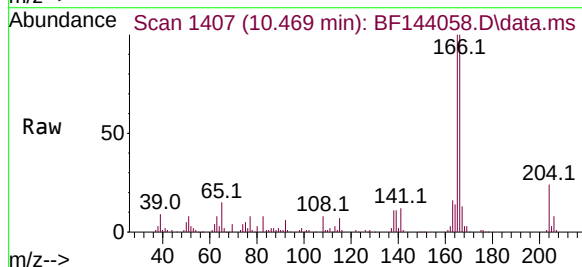
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

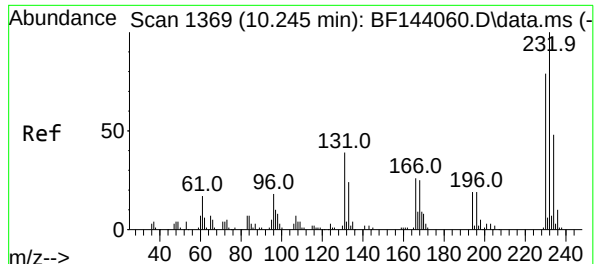
Tgt Ion:	165	Resp:	31163
Ion Ratio	Lower	Upper	
165	100		
63	49.5	35.4	53.2
89	64.7	52.7	79.1
182	2.5	2.3	3.5



#58
Fluorene
Concen: 10.232 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:	166	Resp:	106355
Ion Ratio	Lower	Upper	
166	100		
165	100.5	77.0	115.4
167	13.0	10.2	15.4

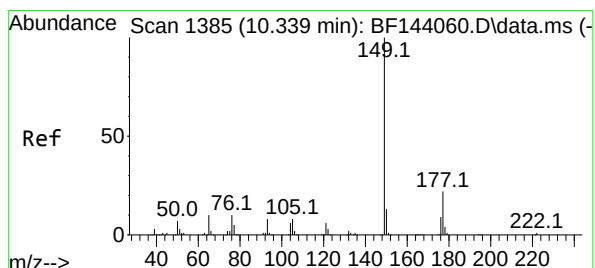
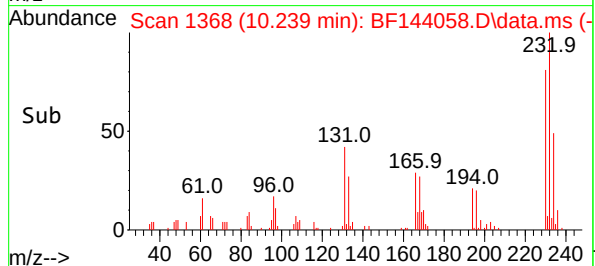
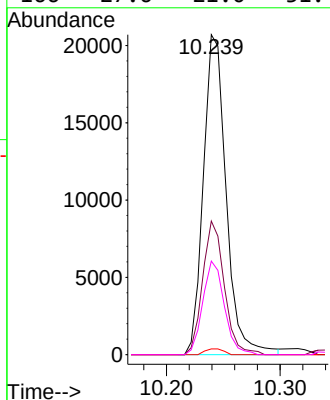
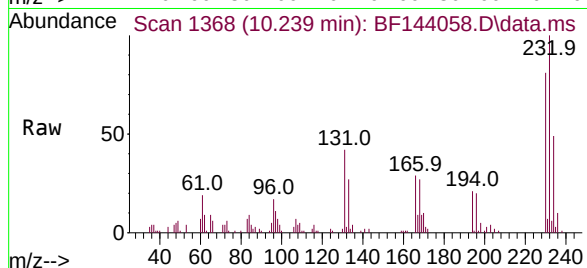




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.612 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

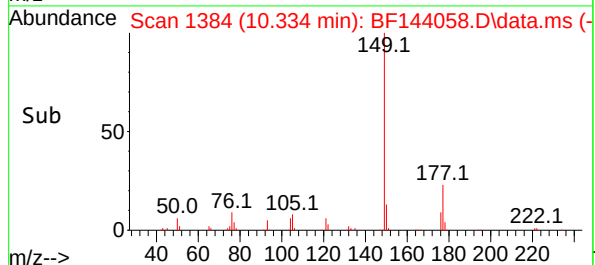
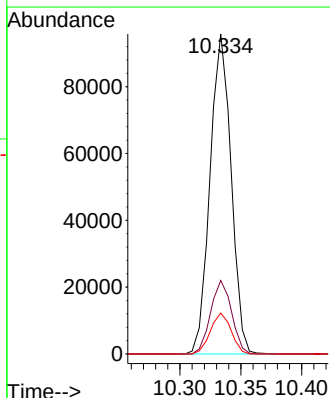
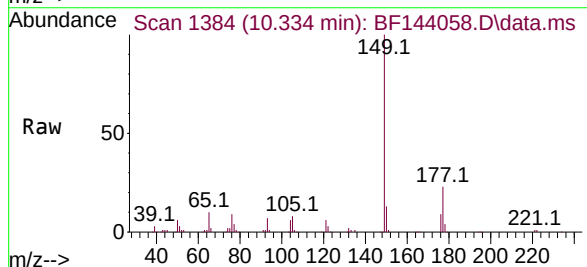
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

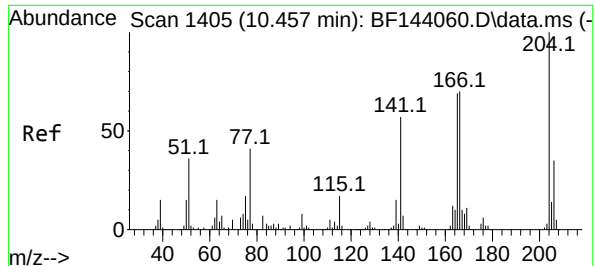
Tgt Ion:	232	Resp:	28893
Ion	Ratio	Lower	Upper
232	100		
131	39.6	31.9	47.9
130	1.4	1.1	1.7
166	27.6	21.0	31.4



#60
Diethylphthalate
Concen: 10.256 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:	149	Resp:	115029
Ion	Ratio	Lower	Upper
149	100		
177	22.9	17.8	26.6
150	12.8	10.1	15.1

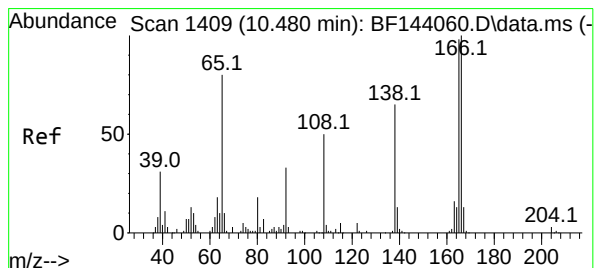
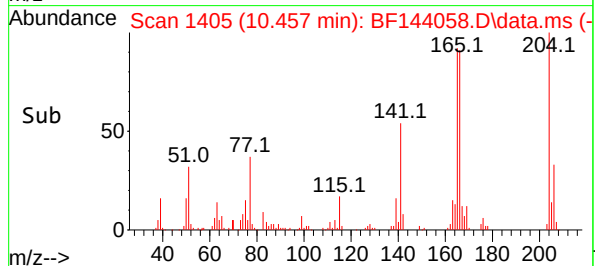
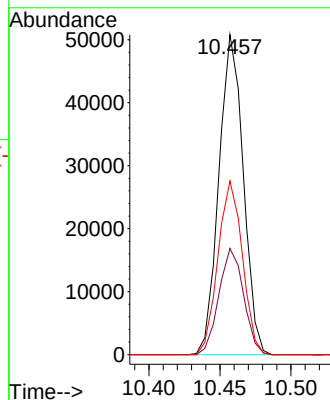
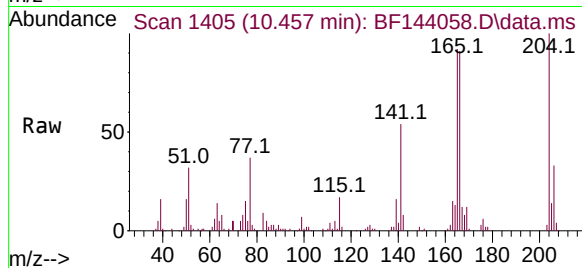




#61
4-Chlorophenyl-phenylether
Concen: 10.385 ng
RT: 10.457 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

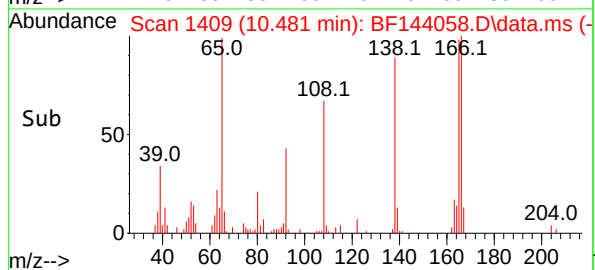
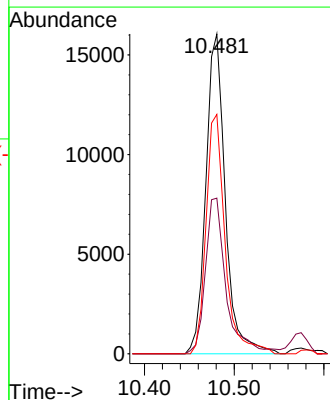
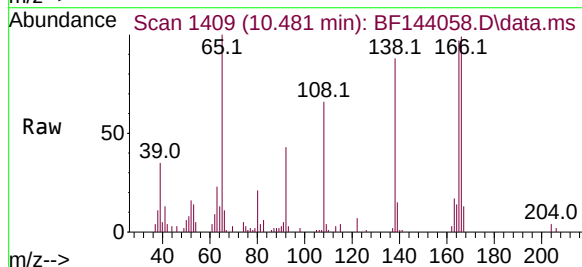
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

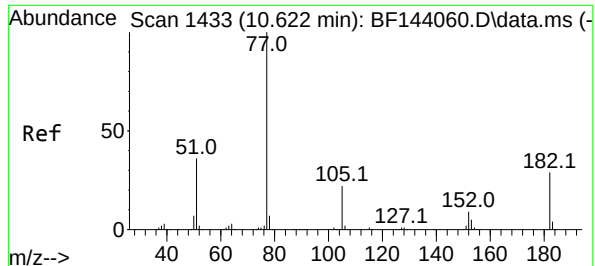
Tgt Ion:	204	Resp:	60704
Ion Ratio	Lower	Upper	
204	100		
206	33.2	27.8	41.6
141	54.3	45.4	68.2



#62
4-Nitroaniline
Concen: 9.752 ng
RT: 10.481 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:	138	Resp:	24222
Ion Ratio	Lower	Upper	
138	100		
92	48.7	30.5	70.5
108	74.9	56.2	96.2

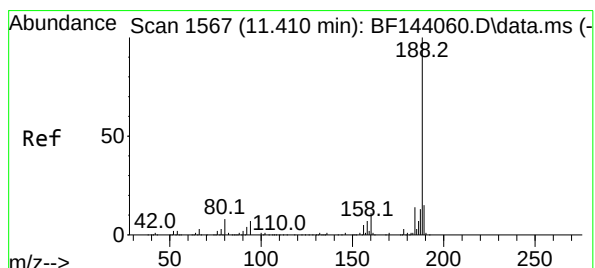
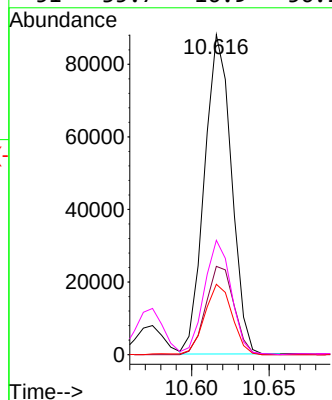
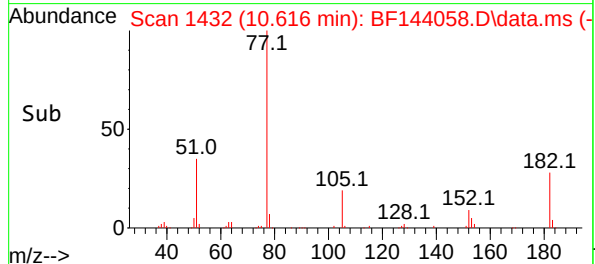
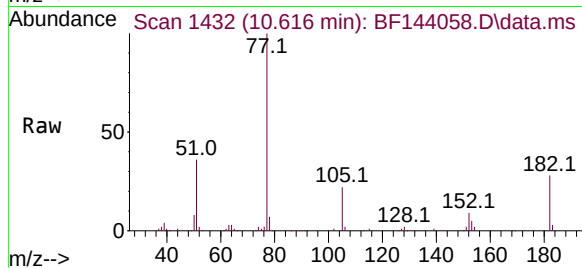




#63
Azobenzene
Concen: 10.095 ng
RT: 10.616 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

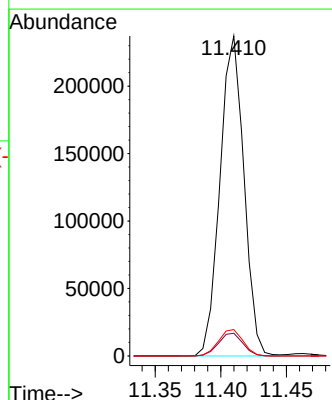
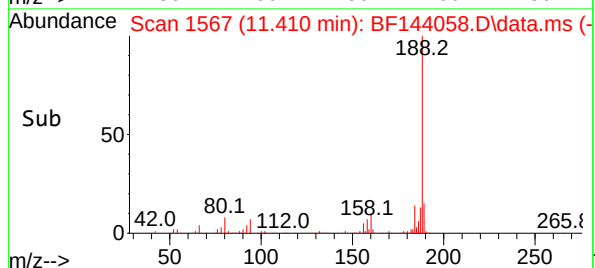
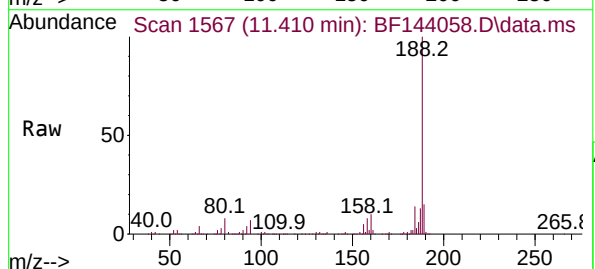
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

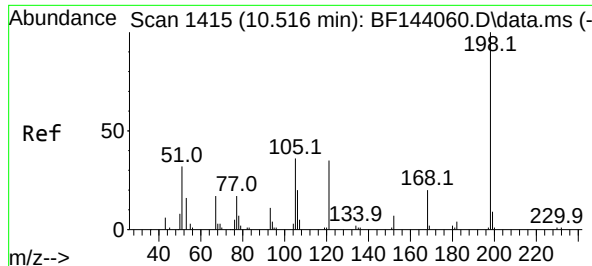
Tgt Ion: 77	Resp: 107163
Ion Ratio	Lower Upper
77	100
182	27.6 9.0 49.0
105	22.0 1.4 41.4
51	35.7 16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion: 188	Resp: 301308
Ion Ratio	Lower Upper
188	100
94	7.1 5.4 8.0
80	8.2 6.0 9.0

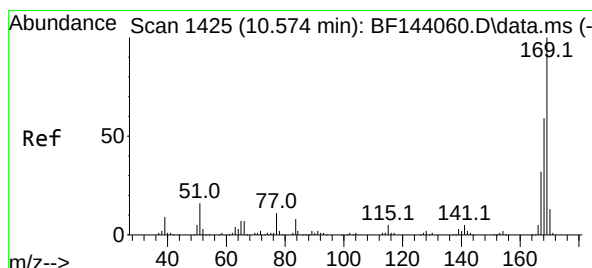
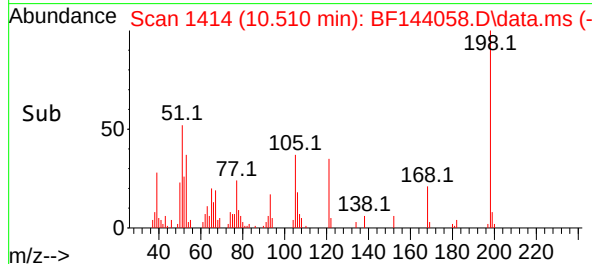
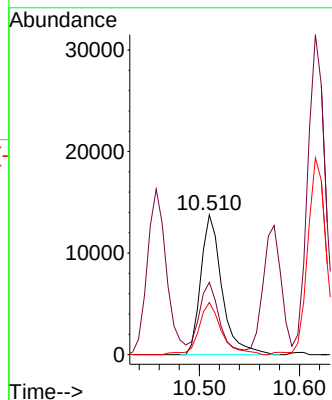
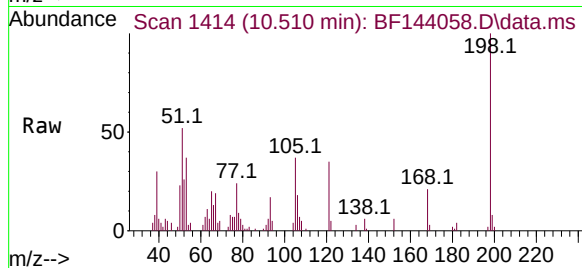




#65
4,6-Dinitro-2-methylphenol
Concen: 10.394 ng
RT: 10.510 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

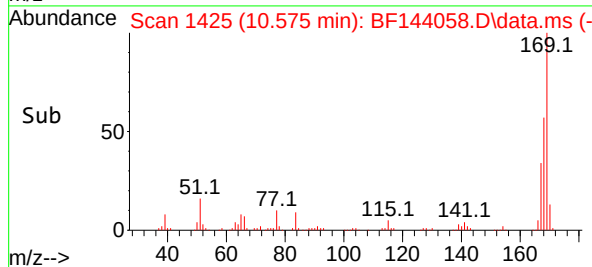
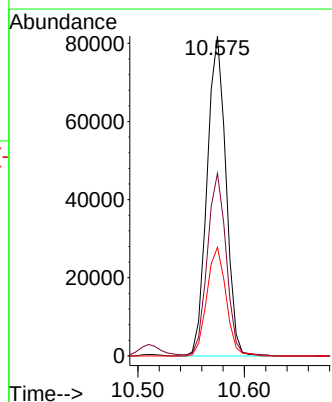
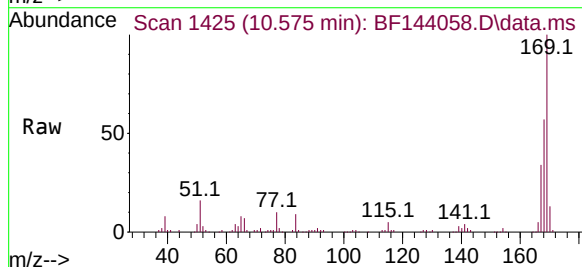
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

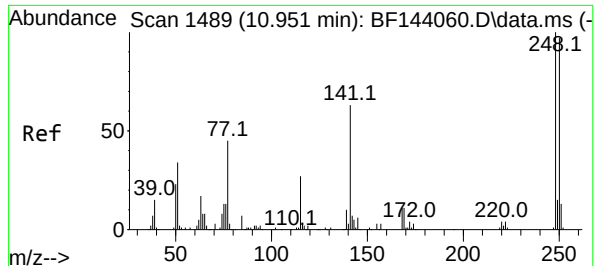
Tgt Ion	Ratio	Lower	Upper
198	100		
51	51.6	25.8	65.8
105	37.3	17.2	57.2



#66
n-Nitrosodiphenylamine
Concen: 10.422 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion	Ratio	Lower	Upper
169	100		
168	57.1	47.4	71.2
167	33.9	25.5	38.3

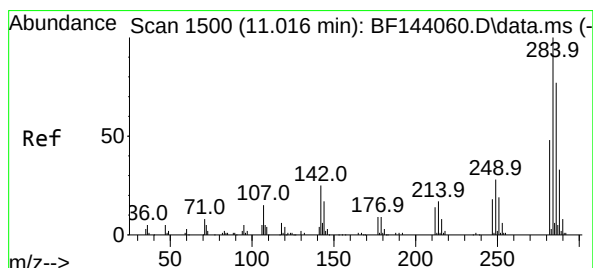
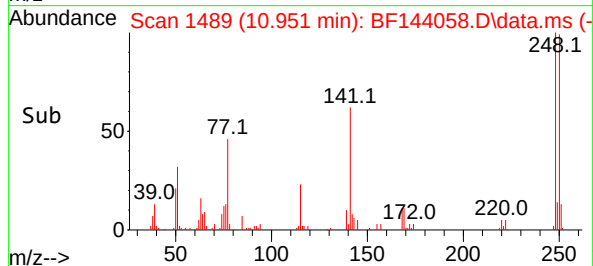
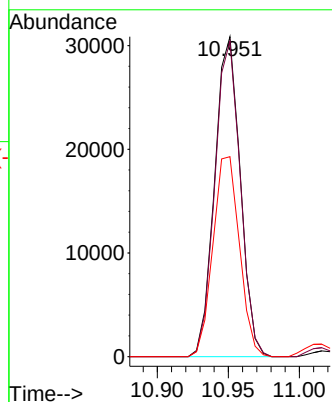
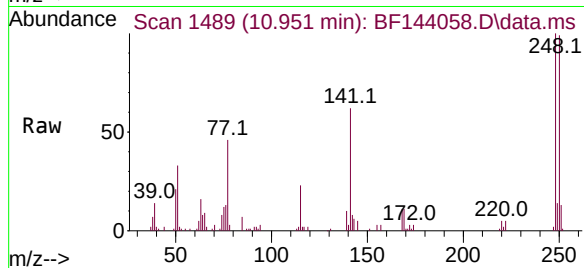




#67
4-Bromophenyl-phenylether
Concen: 10.242 ng
RT: 10.951 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

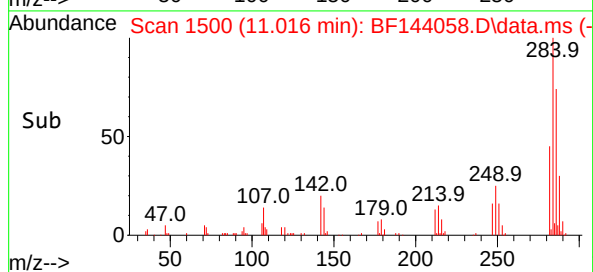
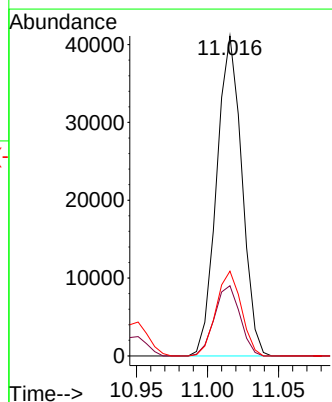
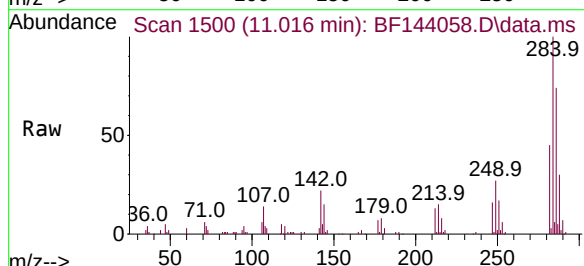
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

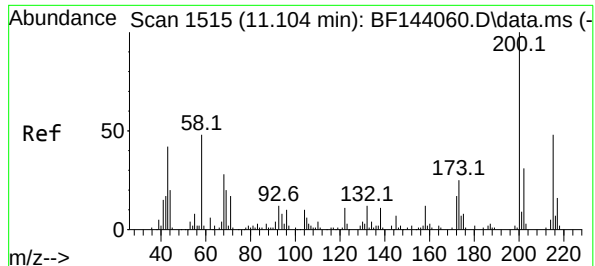
Tgt Ion:248 Resp: 38639
Ion Ratio Lower Upper
248 100
250 98.5 77.8 116.6
141 62.5 50.5 75.7



#68
Hexachlorobenzene
Concen: 10.990 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:284 Resp: 50850
Ion Ratio Lower Upper
284 100
142 22.0 20.0 30.0
249 26.5 22.2 33.2





#69

Atrazine

Concen: 10.638 ng

RT: 11.098 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

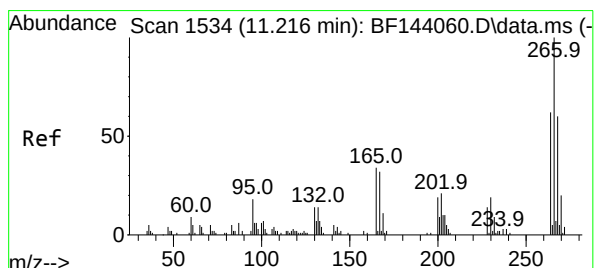
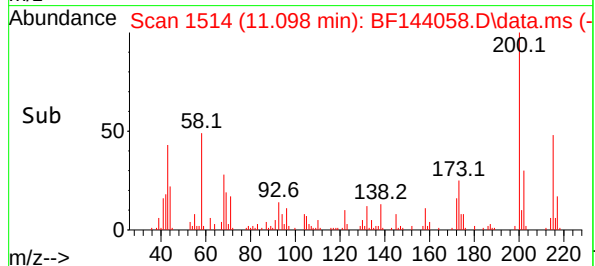
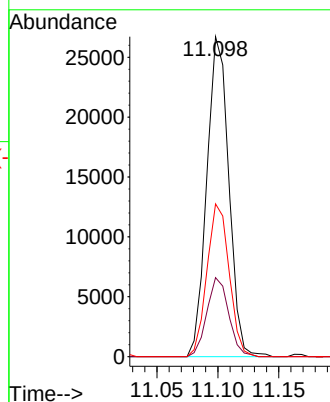
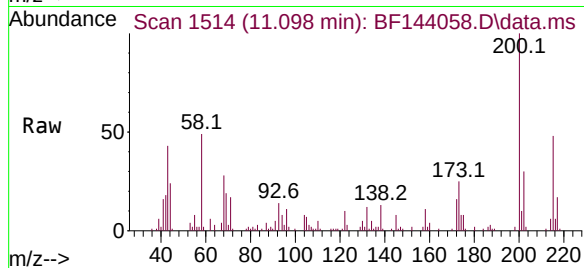
Tgt Ion:200 Resp: 33605

Ion Ratio Lower Upper

200 100

173 24.7 4.9 44.9

215 47.7 28.2 68.2



#70

Pentachlorophenol

Concen: 8.386 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

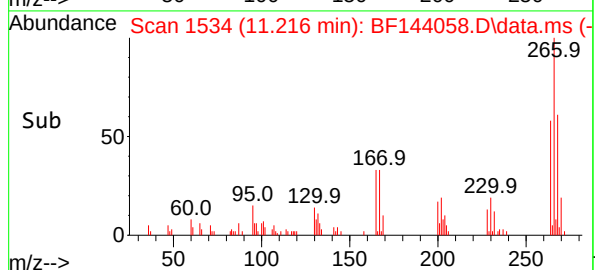
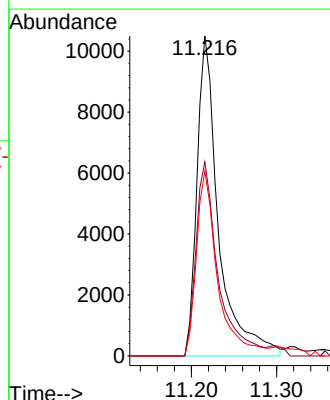
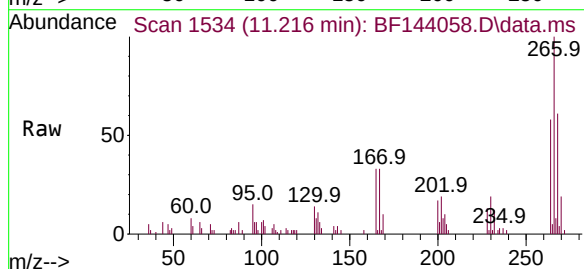
Tgt Ion:266 Resp: 18468

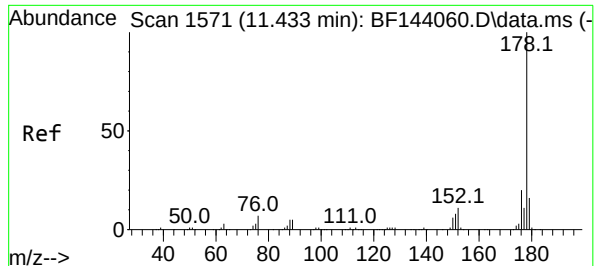
Ion Ratio Lower Upper

266 100

268 60.6 48.2 72.4

264 57.7 49.4 74.0





#71

Phenanthrene

Concen: 10.467 ng

RT: 11.433 min Scan# 1571

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

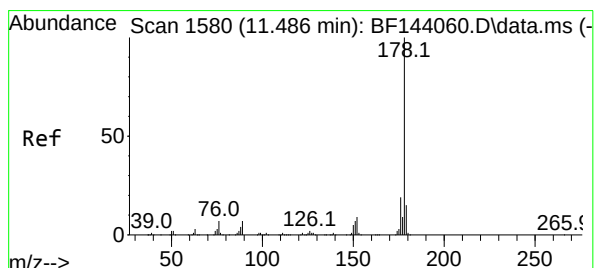
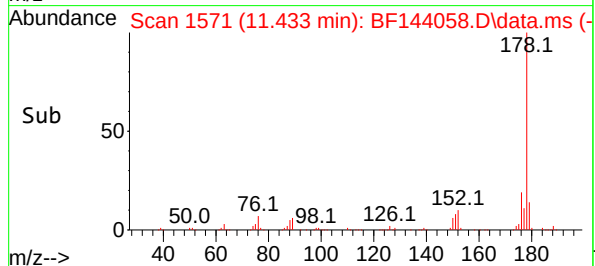
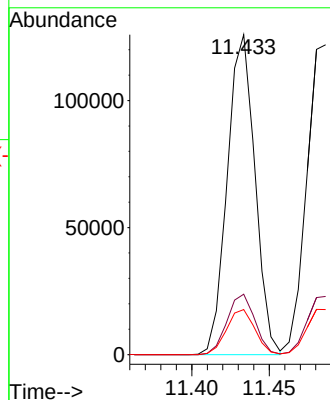
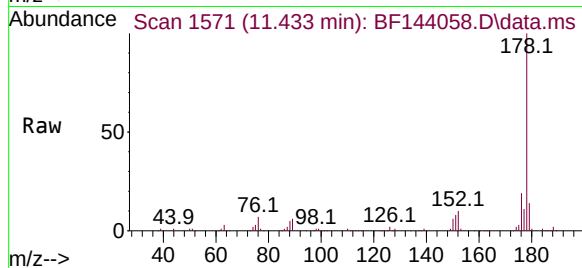
Tgt Ion:178 Resp: 156663

Ion Ratio Lower Upper

178 100

176 18.9 16.3 24.5

179 14.1 12.6 18.8



#72

Anthracene

Concen: 10.491 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

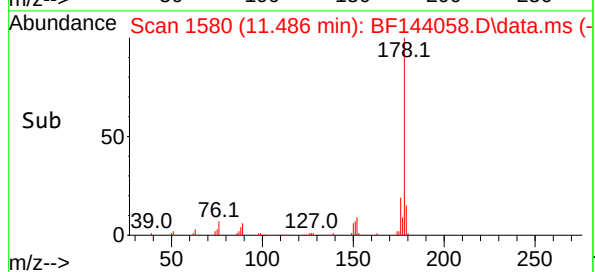
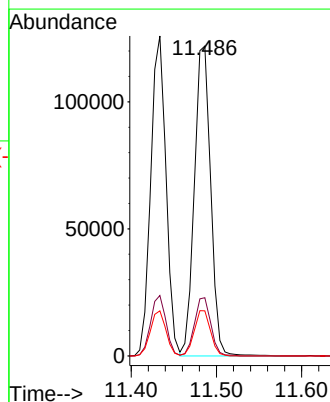
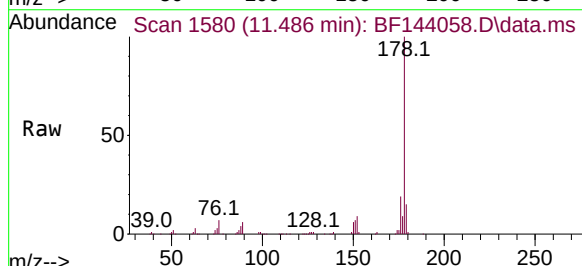
Tgt Ion:178 Resp: 162203

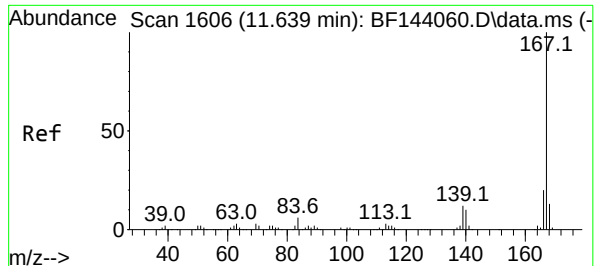
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 14.5 11.8 17.6

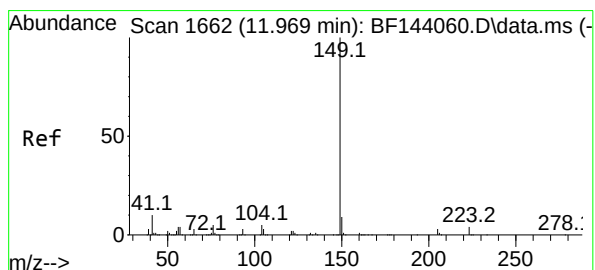
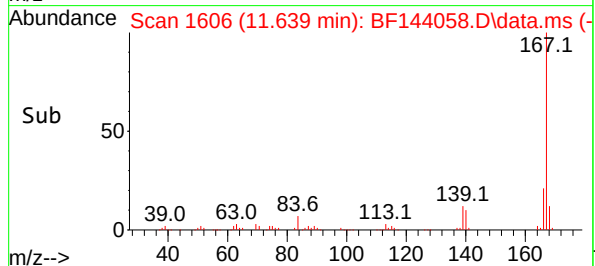
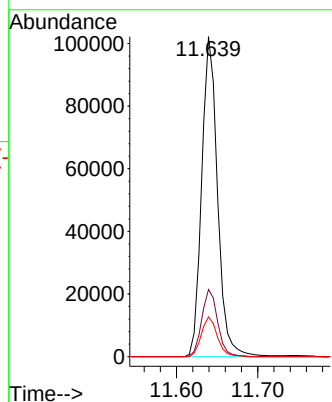
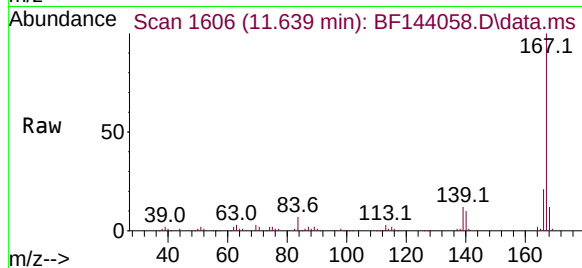




#73
Carbazole
Concen: 10.534 ng
RT: 11.639 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

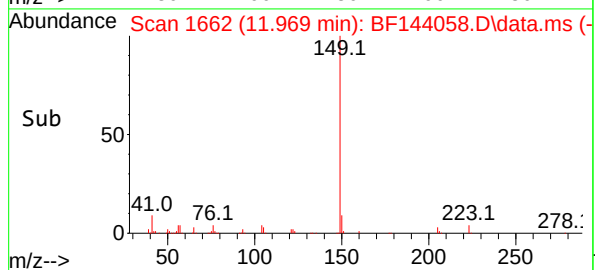
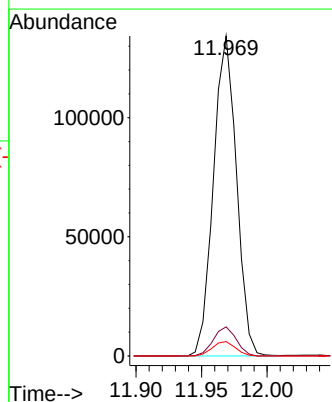
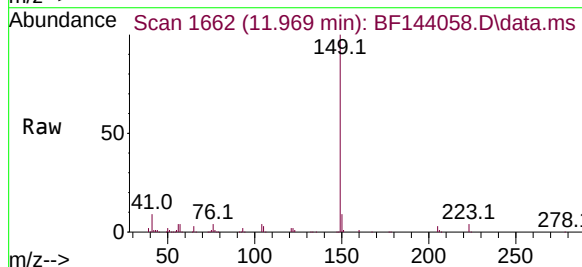
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

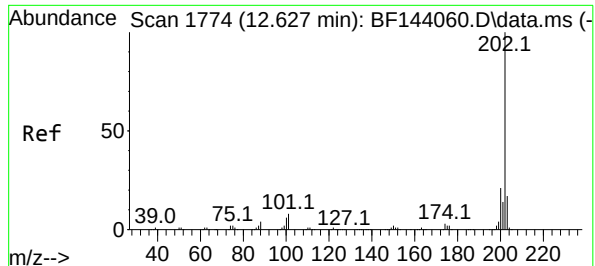
Tgt Ion:167 Resp: 138634
Ion Ratio Lower Upper
167 100
166 21.0 16.1 24.1
139 12.4 9.8 14.6



#74
Di-n-butylphthalate
Concen: 10.183 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion:149 Resp: 164302
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 4.5 3.6 5.4

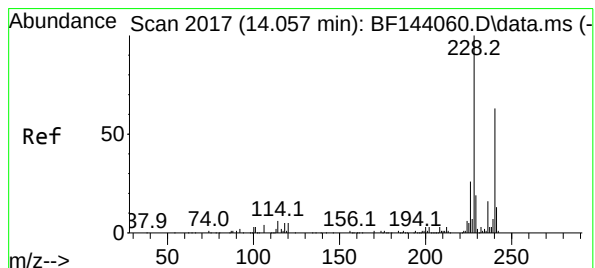
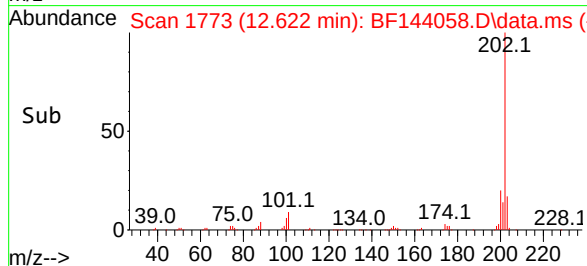
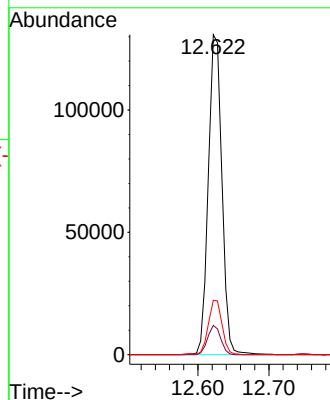
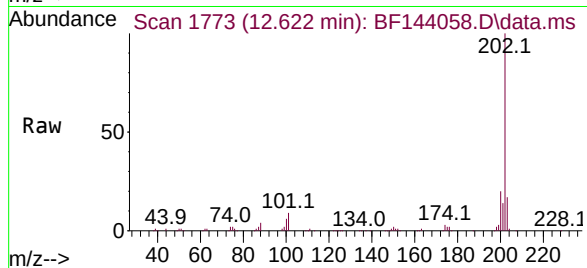




#75
Fluoranthene
Concen: 10.486 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

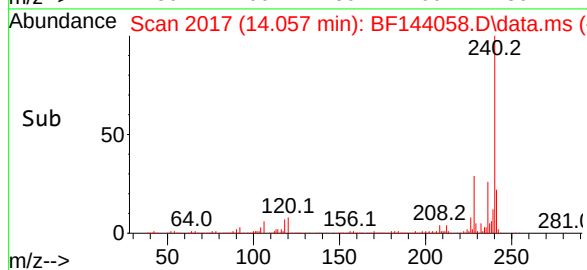
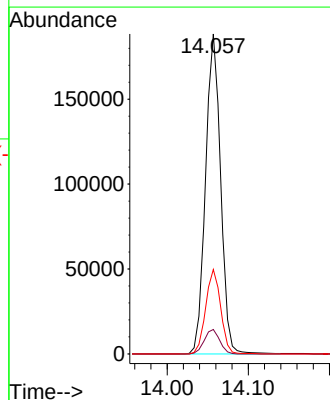
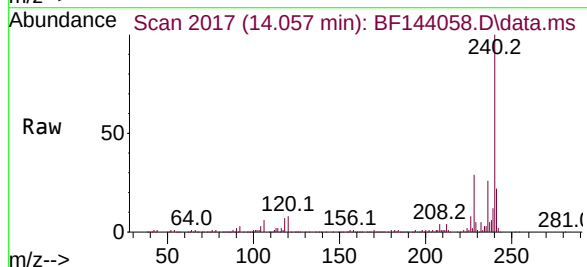
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

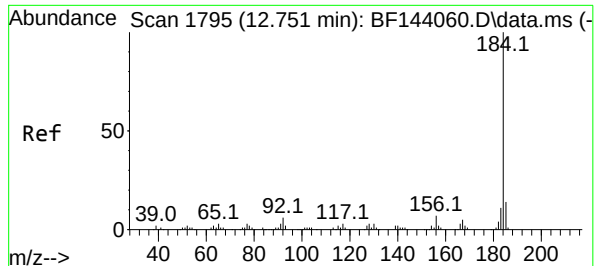
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	27.7
203	17.0	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	26.4	20.1	30.1





#77

Benzidine

Concen: 11.068 ng

RT: 12.751 min Scan# 1795

Delta R.T. 0.000 min

Lab File: BF144058.D

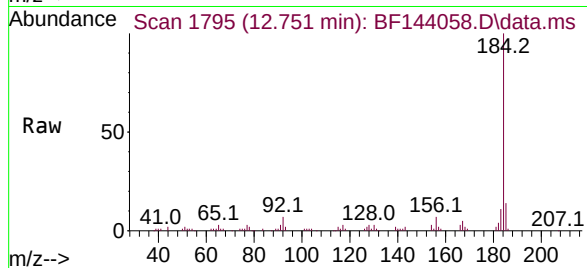
Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC010



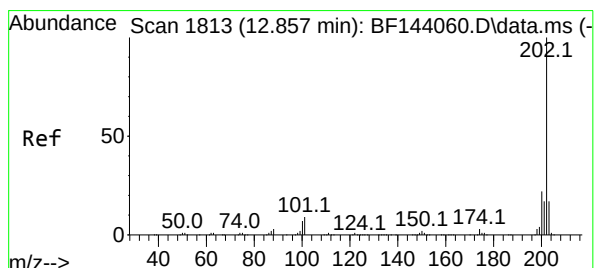
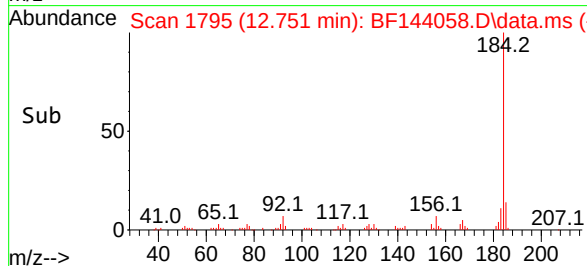
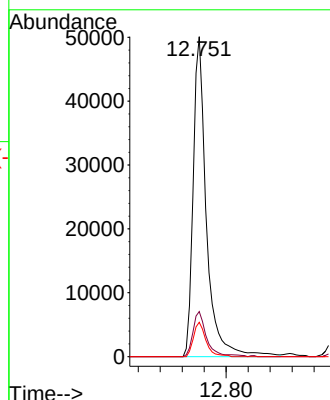
Tgt Ion:184 Resp: 83945

Ion Ratio Lower Upper

184 100

185 14.1 11.6 17.4

183 10.7 8.5 12.7



#78

Pyrene

Concen: 10.196 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

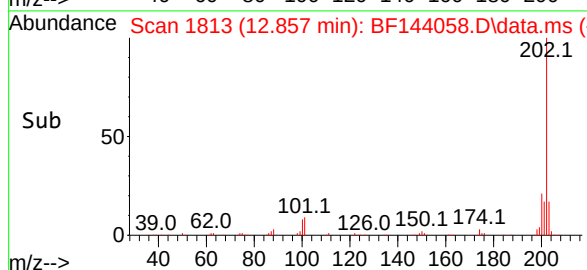
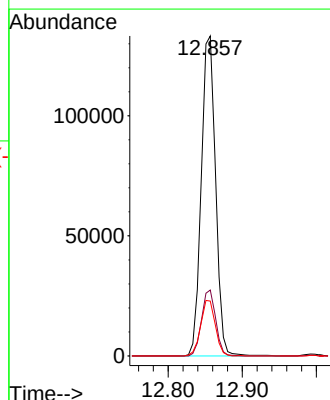
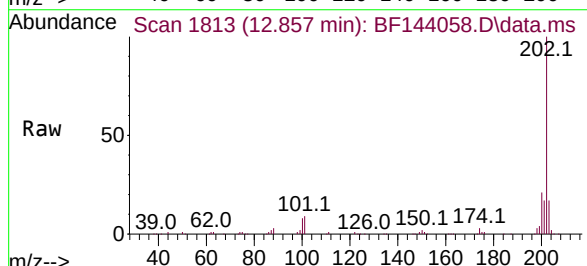
Tgt Ion:202 Resp: 178638

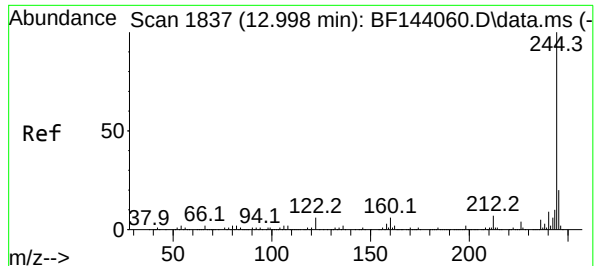
Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

203 17.1 13.5 20.3





#79

Terphenyl-d14

Concen: 19.833 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

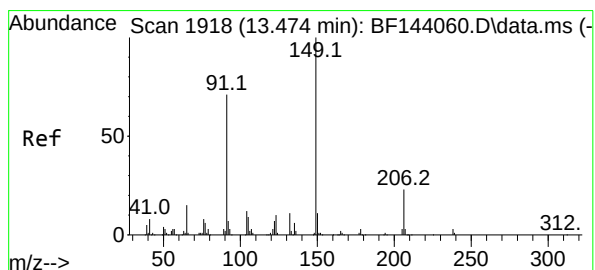
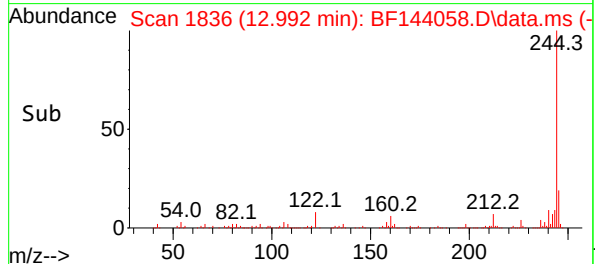
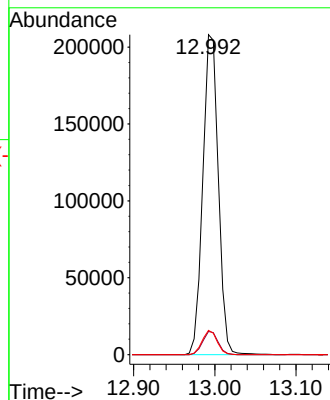
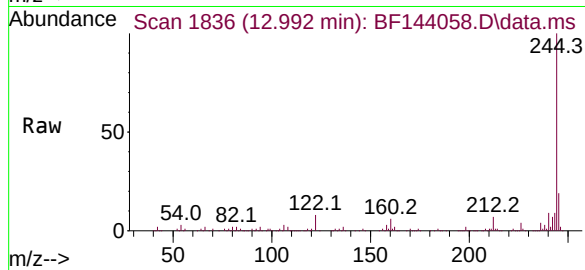
Tgt Ion:244 Resp: 276477

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 7.6 4.9 7.3#



#80

Butylbenzylphthalate

Concen: 9.964 ng

RT: 13.469 min Scan# 1917

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

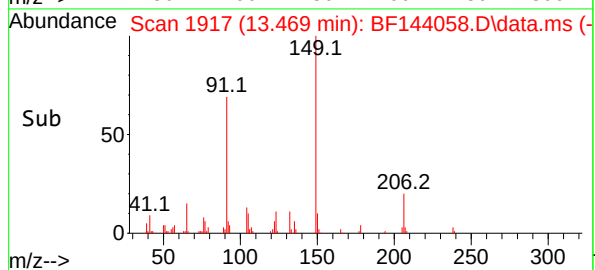
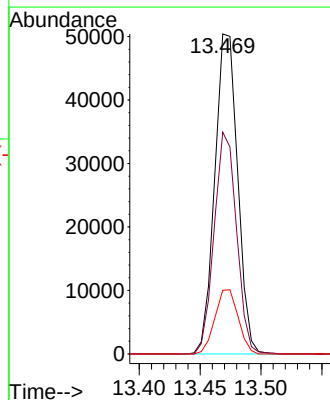
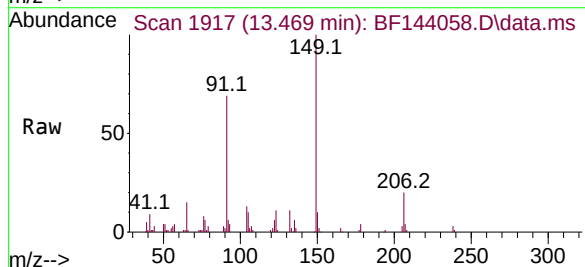
Tgt Ion:149 Resp: 66048

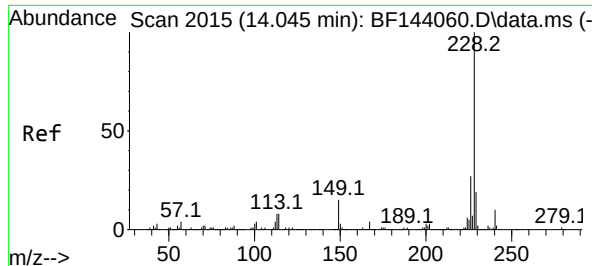
Ion Ratio Lower Upper

149 100

91 69.3 56.6 84.8

206 19.9 18.3 27.5





#81

Benzo(a)anthracene

Concen: 9.778 ng

RT: 14.045 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

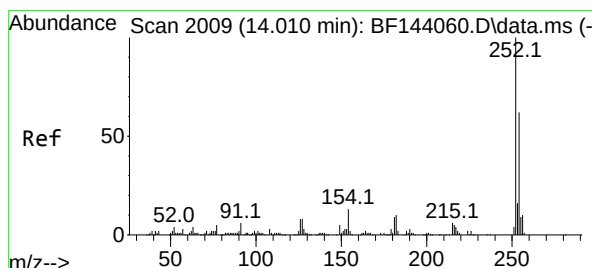
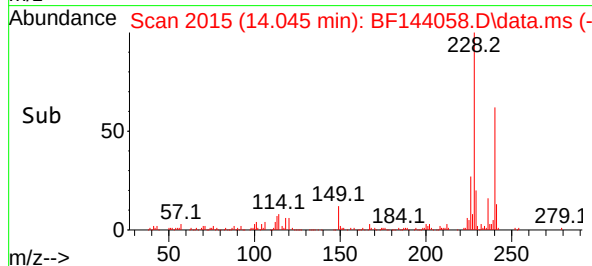
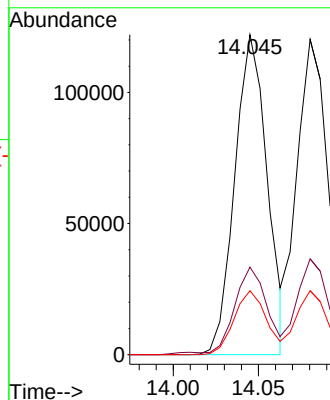
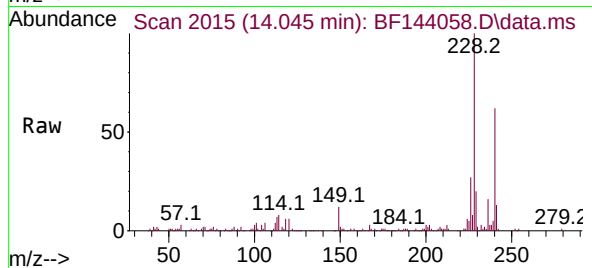
Tgt Ion:228 Resp: 161042

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.2

229 20.0 15.3 22.9



#82

3,3'-Dichlorobenzidine

Concen: 9.963 ng

RT: 14.010 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

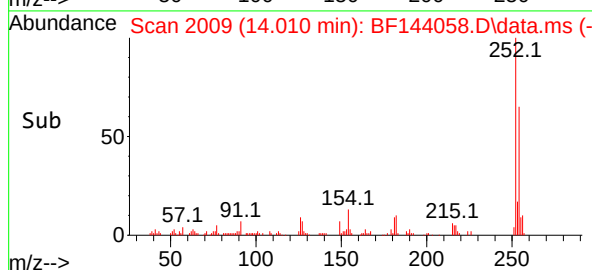
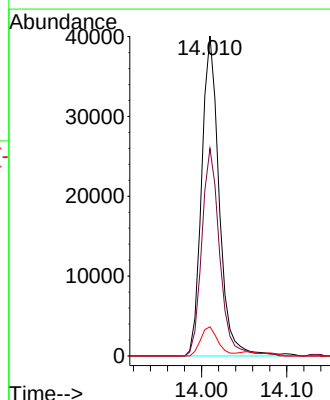
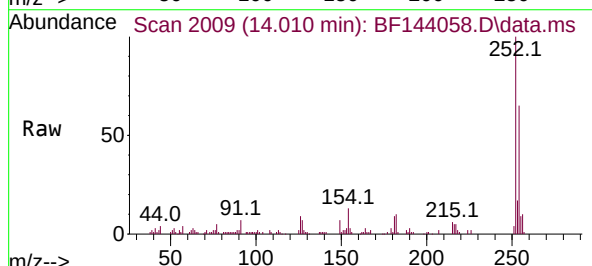
Tgt Ion:252 Resp: 57120

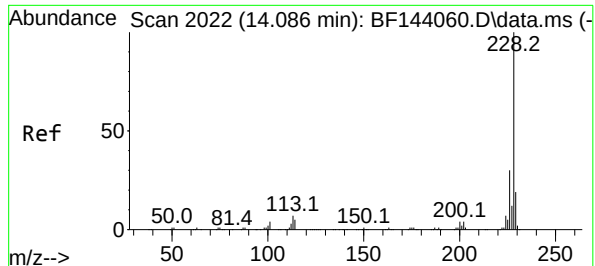
Ion Ratio Lower Upper

252 100

254 64.8 49.9 74.9

126 9.1 6.5 9.7





#83

Chrysene

Concen: 9.954 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

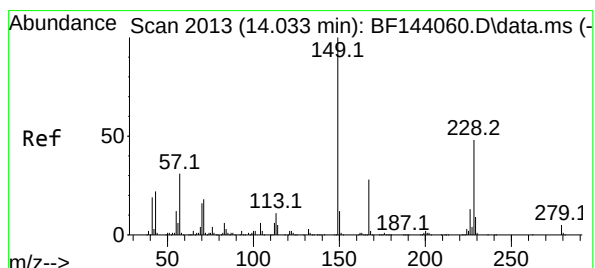
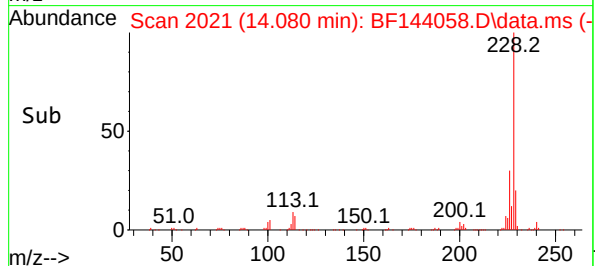
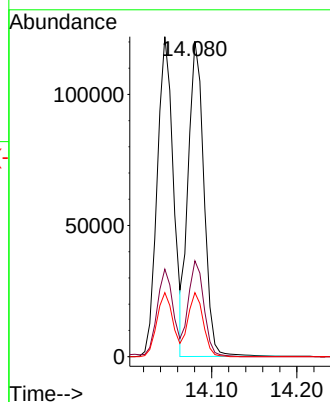
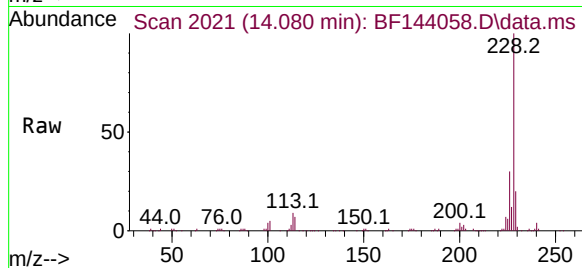
Tgt Ion:228 Resp: 153845

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.6

229 20.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.765 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

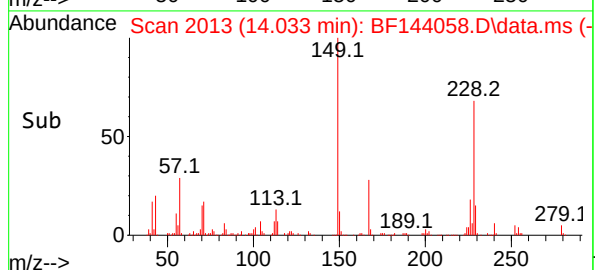
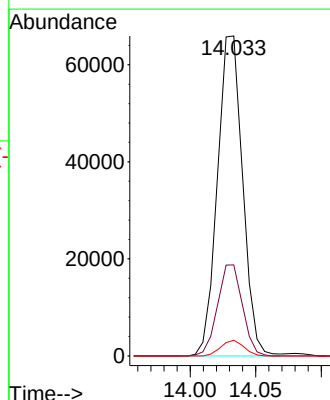
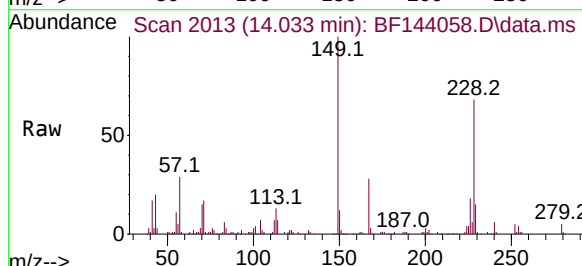
Tgt Ion:149 Resp: 88365

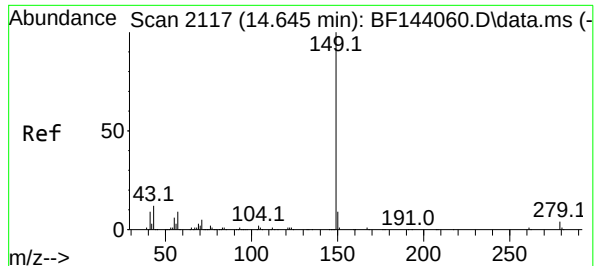
Ion Ratio Lower Upper

149 100

167 28.5 22.5 33.7

279 4.9 3.6 5.4

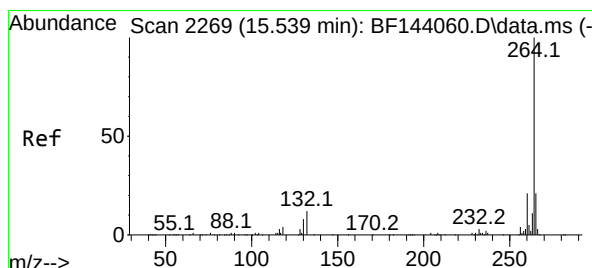
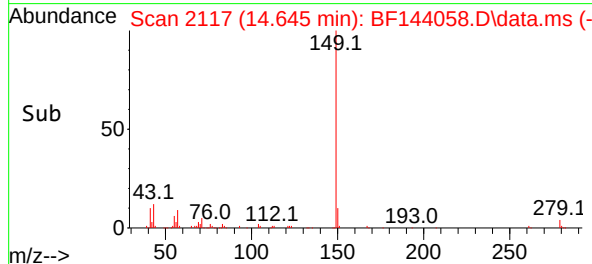
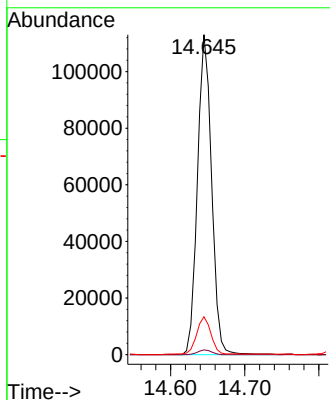
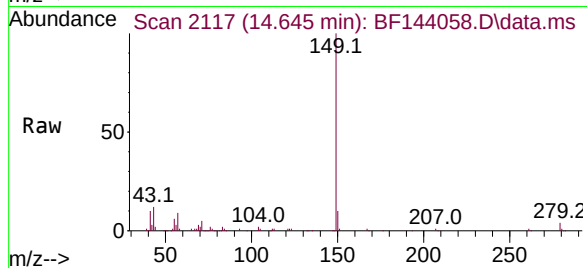




#85
Di-n-octyl phthalate
Concen: 9.616 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

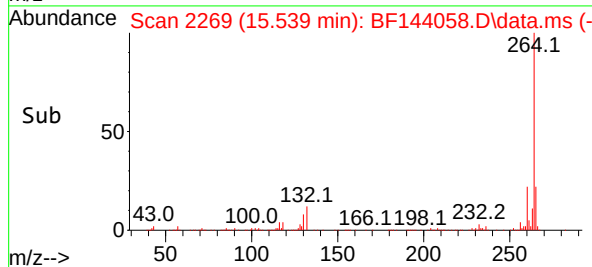
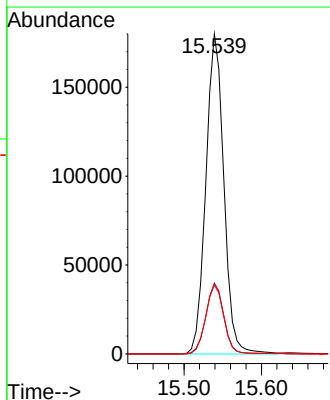
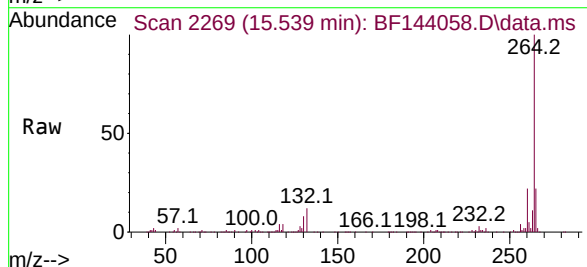
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

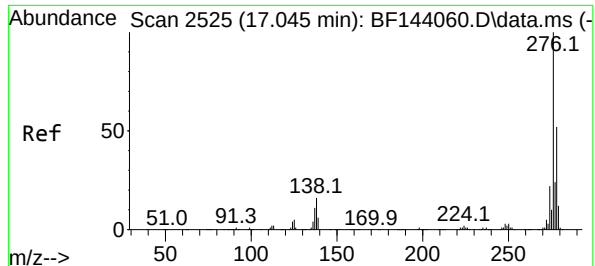
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	12.8	9.3	13.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144058.D
Acq: 24 Oct 2025 11:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.0	25.4
265	21.5	16.6	24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.695 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

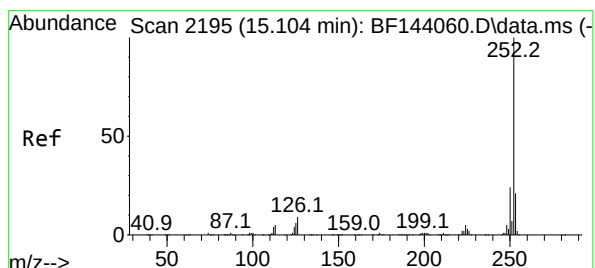
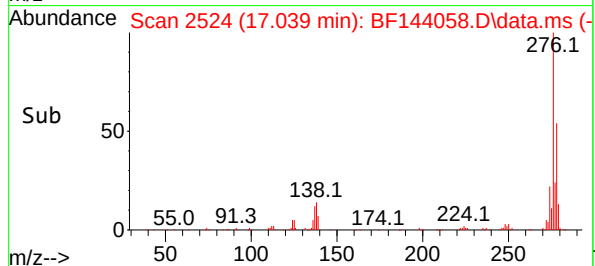
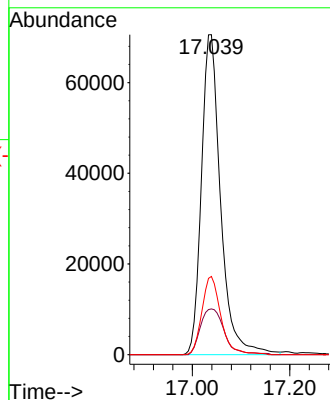
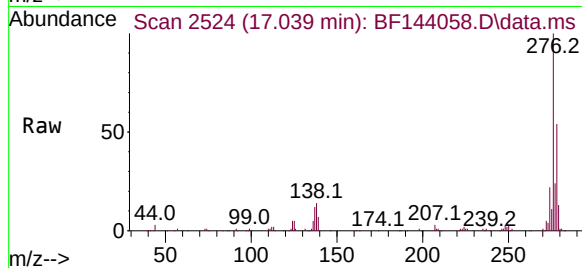
Tgt Ion:276 Resp: 193064

Ion Ratio Lower Upper

276 100

138 17.8 13.0 19.6

277 24.2 19.4 29.0



#88

Benzo(b)fluoranthene

Concen: 9.803 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

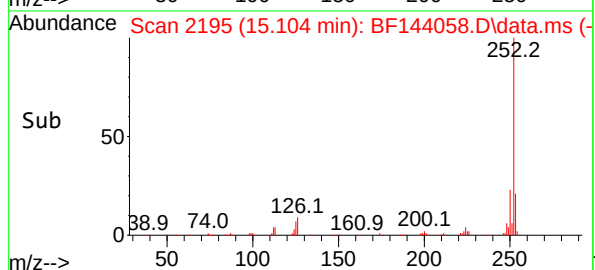
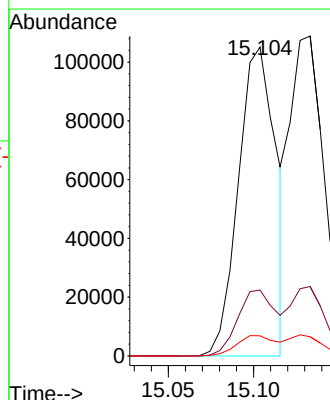
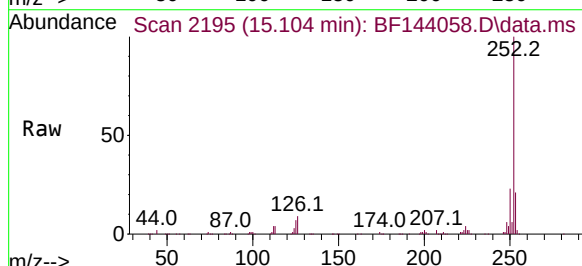
Tgt Ion:252 Resp: 160748

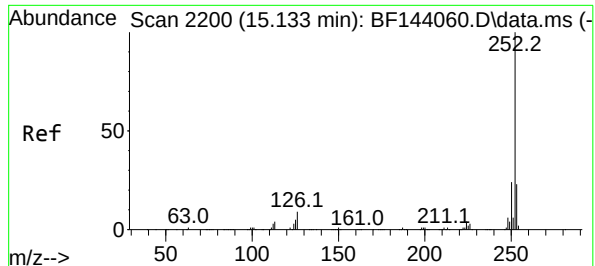
Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

125 6.5 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 10.320 ng

RT: 15.133 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

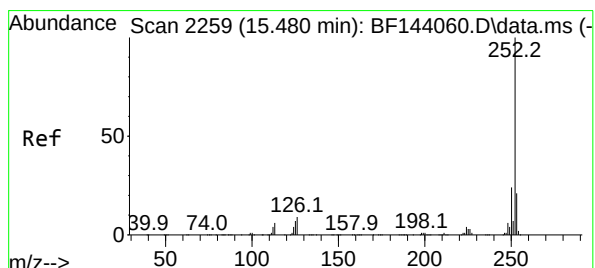
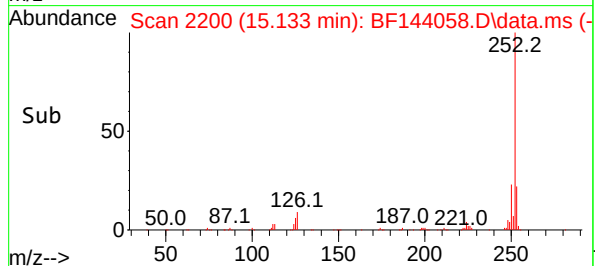
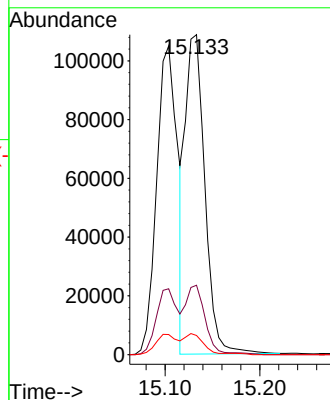
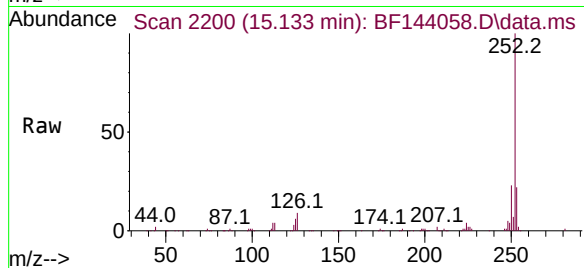
Tgt Ion:252 Resp: 156128

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 6.0 4.9 7.3



#90

Benzo(a)pyrene

Concen: 9.757 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

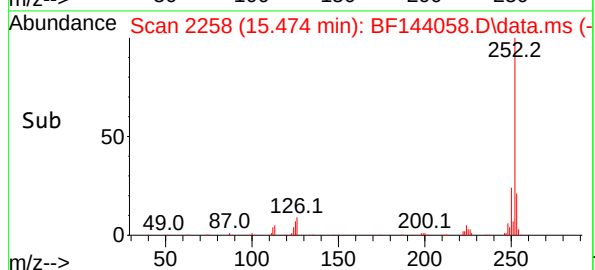
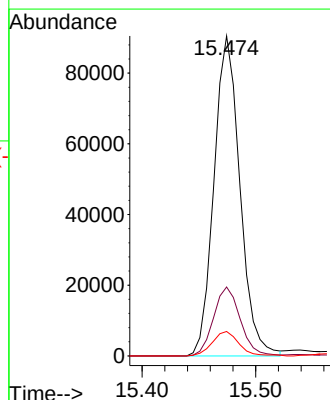
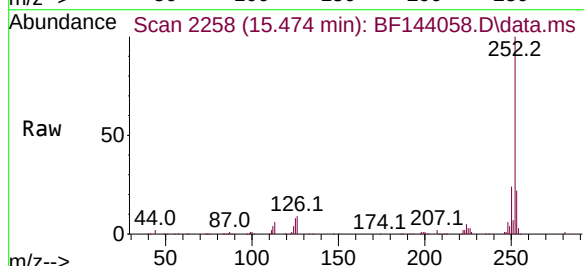
Tgt Ion:252 Resp: 143530

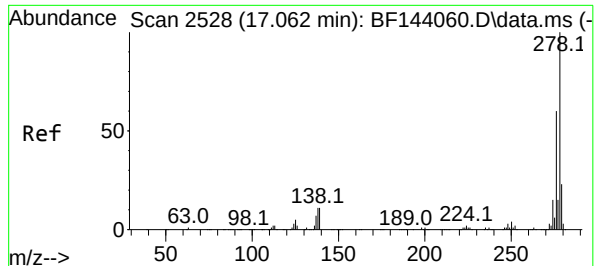
Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

125 7.6 5.4 8.2





#91

Dibenzo(a,h)anthracene

Concen: 9.766 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

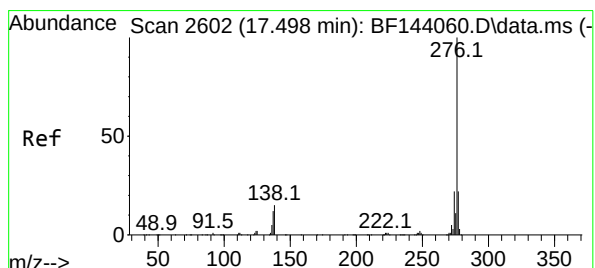
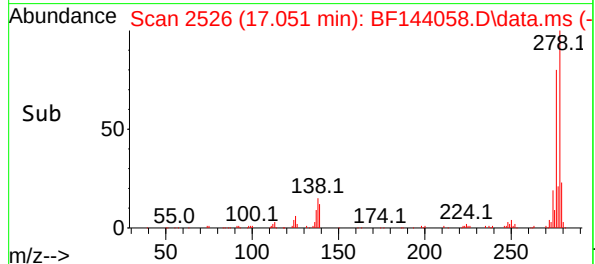
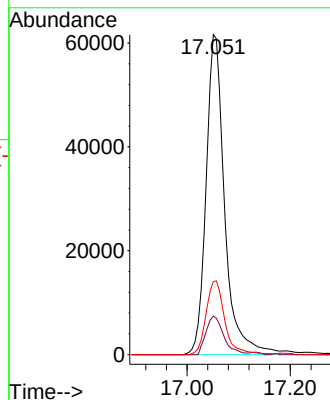
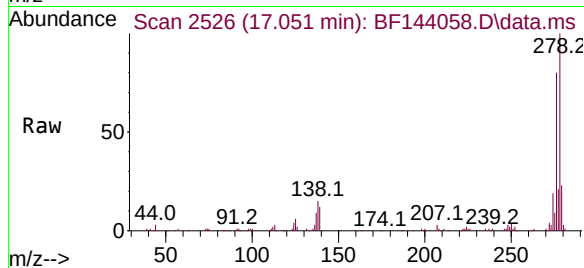
Tgt Ion:278 Resp: 153941

Ion Ratio Lower Upper

278 100

139 12.0 8.5 12.7

279 22.8 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 9.614 ng

RT: 17.486 min Scan# 2600

Delta R.T. -0.012 min

Lab File: BF144058.D

Acq: 24 Oct 2025 11:39

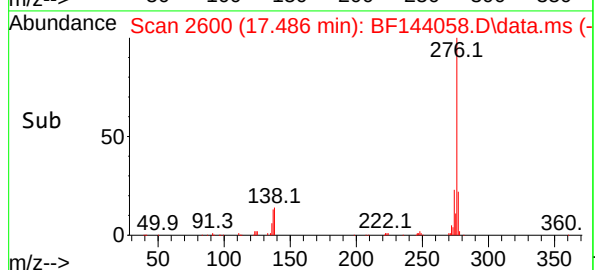
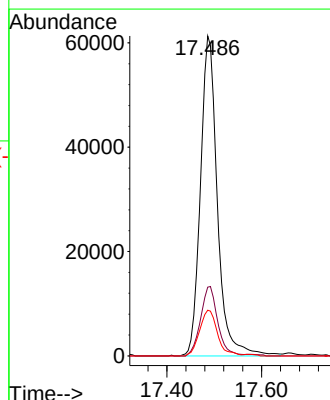
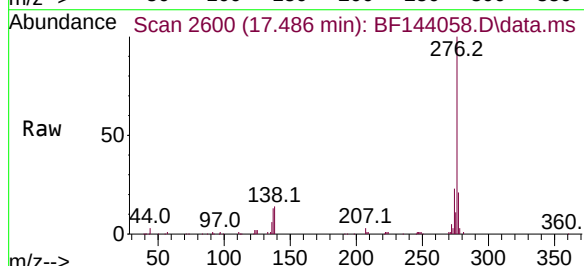
Tgt Ion:276 Resp: 152368

Ion Ratio Lower Upper

276 100

277 21.5 17.9 26.9

138 14.3 12.0 18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144059.D
 Acq On : 24 Oct 2025 12:36
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Oct 24 17:02:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:52:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	112429	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	417749	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	217706	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	369584	20.000	ng	0.00
76) Chrysene-d12	14.063	240	292368	20.000	ng	0.00
86) Perylene-d12	15.545	264	364339	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	298616	42.021	ng	0.00
7) Phenol-d6	6.504	99	332945	42.423	ng	0.00
23) Nitrobenzene-d5	7.445	82	312746	41.016	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	111292	40.132	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	614559	39.724	ng	0.00
79) Terphenyl-d14	12.998	244	655393	39.189	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	54561	17.768	ng	96
3) Pyridine	3.398	79	172002	20.922	ng	97
4) n-Nitrosodimethylamine	3.351	42	108274	21.434	ng	98
6) Aniline	6.545	93	236820	21.092	ng	99
8) 2-Chlorophenol	6.663	128	146877	20.988	ng	100
9) Benzaldehyde	6.434	77	108472	17.802	ng	99
10) Phenol	6.522	94	204649	21.136	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	144490	20.652	ng	99
12) 1,3-Dichlorobenzene	6.822	146	184376	21.358	ng	99
13) 1,4-Dichlorobenzene	6.898	146	178962	21.035	ng	99
14) 1,2-Dichlorobenzene	7.051	146	172463	20.951	ng	100
15) Benzyl Alcohol	7.022	79	138784	21.748	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	281645	21.419	ng	99
17) 2-Methylphenol	7.128	107	115994	21.550	ng	94
18) Hexachloroethane	7.392	117	63937	21.020	ng	95
19) n-Nitroso-di-n-propyla...	7.292	70	106671	21.019	ng	97
20) 3+4-Methylphenols	7.281	107	133833	21.033	ng	95
22) Acetophenone	7.286	105	181010	20.050	ng	97
24) Nitrobenzene	7.463	77	168641	20.907	ng	99
25) Isophorone	7.698	82	269356	20.206	ng	98
26) 2-Nitrophenol	7.781	139	81754	21.306	ng	97
27) 2,4-Dimethylphenol	7.810	122	109494	19.202	ng	95
28) bis(2-Chloroethoxy)met...	7.910	93	172327	20.729	ng	99
29) 2,4-Dichlorophenol	8.016	162	135856	20.487	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	139458	20.442	ng	99
31) Naphthalene	8.186	128	401788	20.378	ng	99
32) Benzoic acid	7.928	122	83503	23.086	ng	87
33) 4-Chloroaniline	8.233	127	145706	21.228	ng	99
34) Hexachlorobutadiene	8.298	225	114614	20.546	ng	98
35) Caprolactam	8.598	113	34241	20.591	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	119127	20.357	ng	95
37) 2-Methylnaphthalene	8.875	142	263628	20.280	ng	98
38) 1-Methylnaphthalene	8.975	142	246748	20.035	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	150836	20.160	ng	99
41) Hexachlorocyclopentadiene	9.028	237	45275	19.591	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	104484	21.484	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144059.D
 Acq On : 24 Oct 2025 12:36
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Oct 24 17:02:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:52:41 2025
 Response via : Initial Calibration

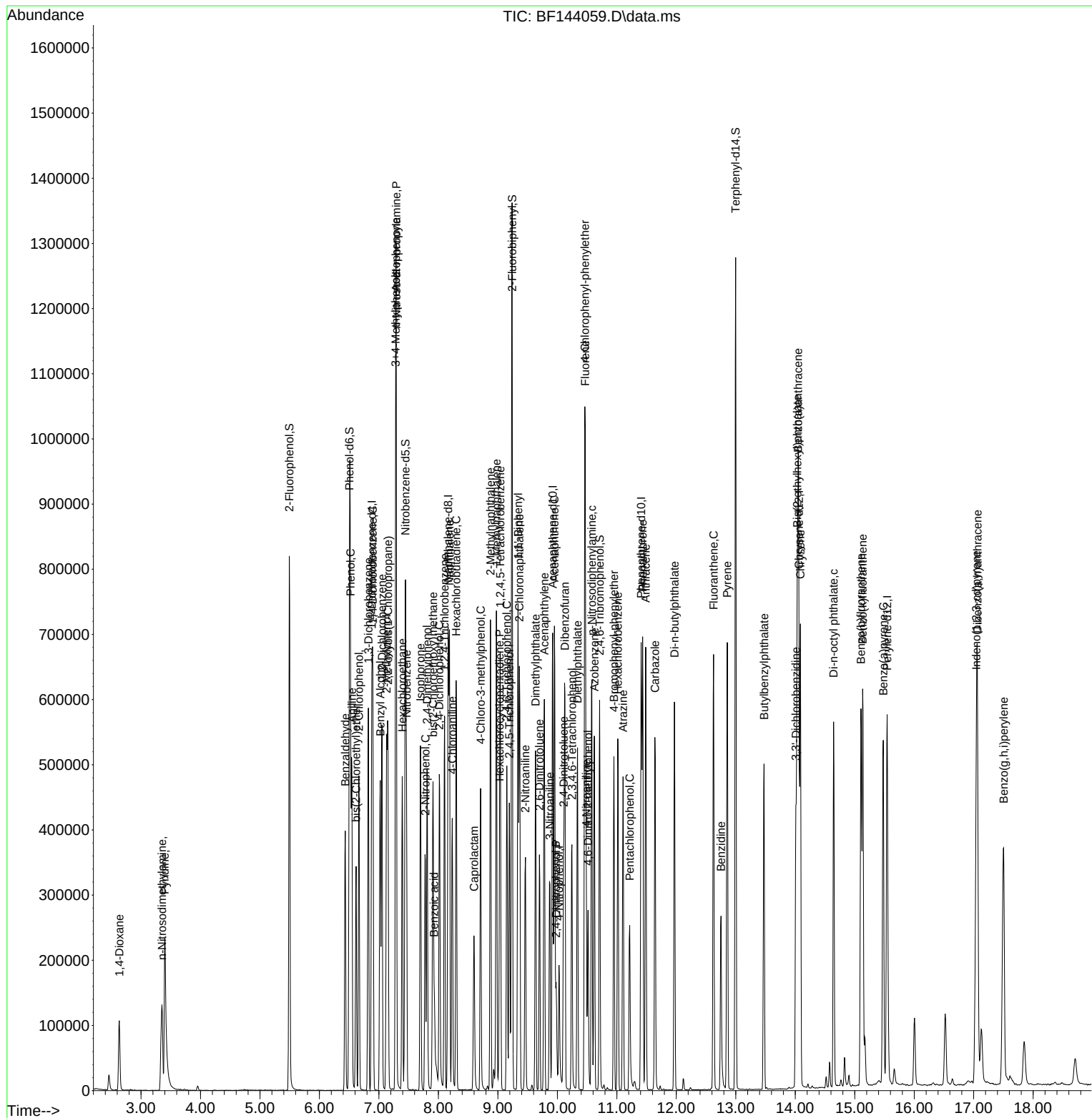
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	105424	20.655	ng	98
46) 1,1'-Biphenyl	9.339	154	313680	20.128	ng	99
47) 2-Chloronaphthalene	9.363	162	268452	20.561	ng	96
48) 2-Nitroaniline	9.463	65	80171	20.678	ng	97
49) Acenaphthylene	9.780	152	362218	20.575	ng	99
50) Dimethylphthalate	9.633	163	290025	20.324	ng	99
51) 2,6-Dinitrotoluene	9.698	165	59905	21.235	ng	100
52) Acenaphthene	9.951	154	246935	21.003	ng	99
53) 3-Nitroaniline	9.875	138	63852	20.358	ng	97
54) 2,4-Dinitrophenol	9.980	184	35229	23.089	ng	94
55) Dibenzofuran	10.127	168	329079	20.162	ng	99
56) 4-Nitrophenol	10.027	139	43333	20.402	ng	90
57) 2,4-Dinitrotoluene	10.104	165	80566	21.160	ng	96
58) Fluorene	10.469	166	246753	19.841	ng	96
59) 2,3,4,6-Tetrachlorophenol	10.245	232	72554	20.172	ng	# 96
60) Diethylphthalate	10.339	149	270864	20.184	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	142719	20.406	ng	99
62) 4-Nitroaniline	10.486	138	59903	20.157	ng	95
63) Azobenzene	10.622	77	258435	20.346	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	55850	23.553	ng	98
66) n-Nitrosodiphenylamine	10.580	169	242811	20.563	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	91405	19.753	ng	98
68) Hexachlorobenzene	11.016	284	114304	20.141	ng	96
69) Atrazine	11.104	200	80666	20.818	ng	98
70) Pentachlorophenol	11.216	266	55240	20.449	ng	95
71) Phenanthrene	11.433	178	372967	20.315	ng	97
72) Anthracene	11.486	178	380455	20.060	ng	99
73) Carbazole	11.639	167	326491	20.225	ng	98
74) Di-n-butylphthalate	11.969	149	412471	20.841	ng	100
75) Fluoranthene	12.627	202	414382	20.430	ng	99
77) Benzidine	12.751	184	179581	19.736	ng	99
78) Pyrene	12.857	202	416839	19.831	ng	99
80) Butylbenzylphthalate	13.474	149	165613	20.827	ng	98
81) Benzo(a)anthracene	14.045	228	397414	20.114	ng	98
82) 3,3'-Dichlorobenzidine	14.010	252	141681	20.599	ng	98
83) Chrysene	14.086	228	366241	19.753	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	222446	20.491	ng	98
85) Di-n-octyl phthalate	14.645	149	378673	20.284	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	507947	20.307	ng	100
88) Benzo(b)fluoranthene	15.104	252	420103	20.396	ng	99
89) Benzo(k)fluoranthene	15.133	252	368139	19.372	ng	100
90) Benzo(a)pyrene	15.480	252	377387	20.423	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	403214	20.364	ng	98
92) Benzo(g,h,i)perylene	17.503	276	409358	20.563	ng	99

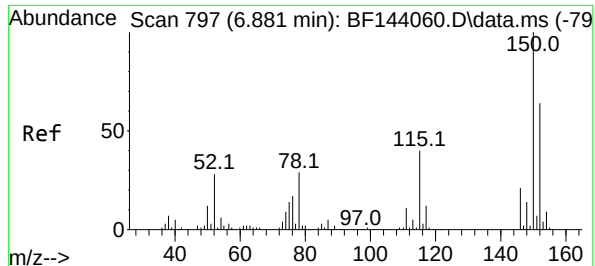
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF144059.D  
Acq On    : 24 Oct 2025  12:36  
Operator  : RC/JU  
Sample    : SSTDICC020  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Oct 24 17:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

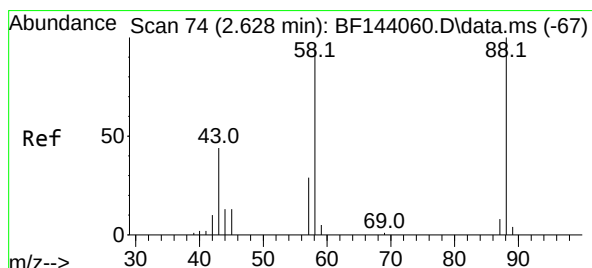
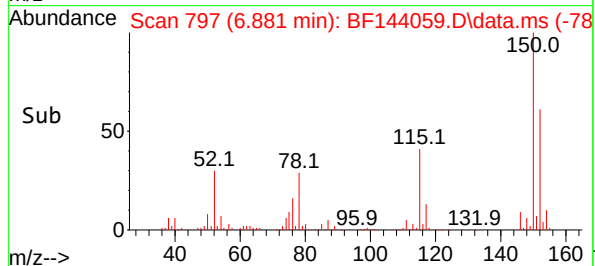
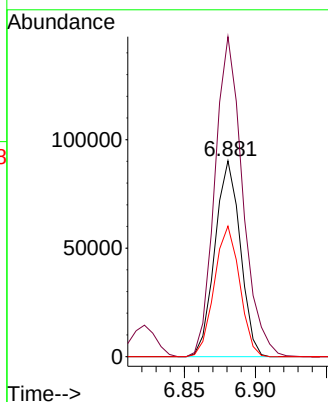
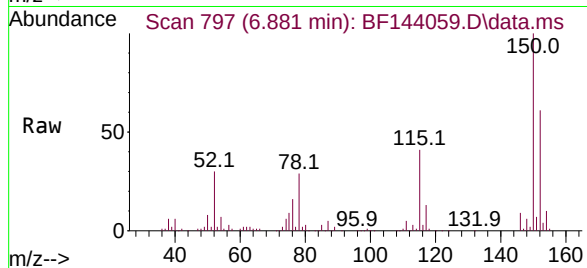




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

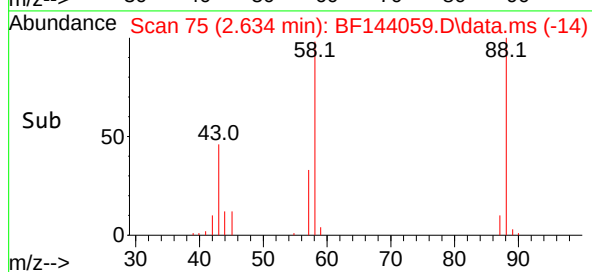
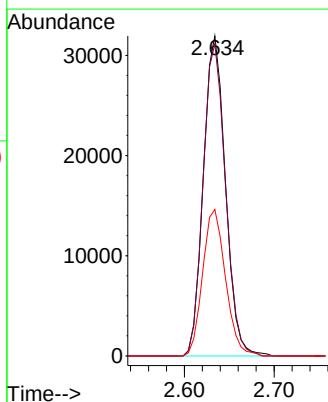
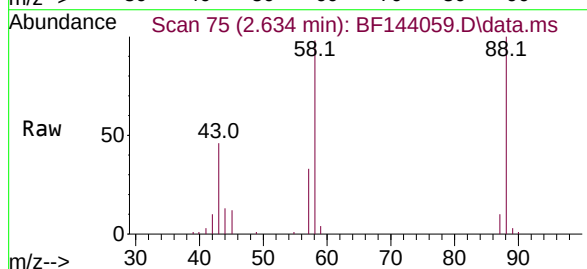
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

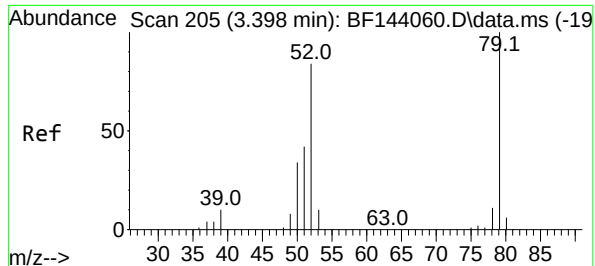
Tgt Ion:152 Resp: 112429
Ion Ratio Lower Upper
152 100
150 163.4 124.4 186.6
115 66.6 49.4 74.0



#2
1,4-Dioxane
Concen: 17.768 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 88 Resp: 54561
Ion Ratio Lower Upper
88 100
58 98.8 76.5 114.7
43 47.5 35.3 52.9

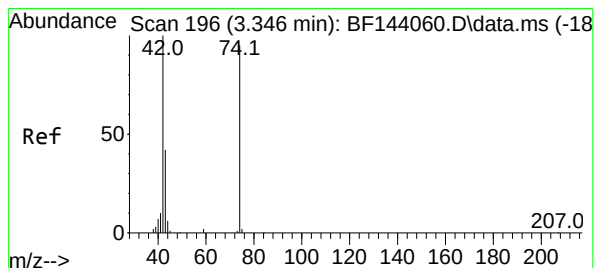
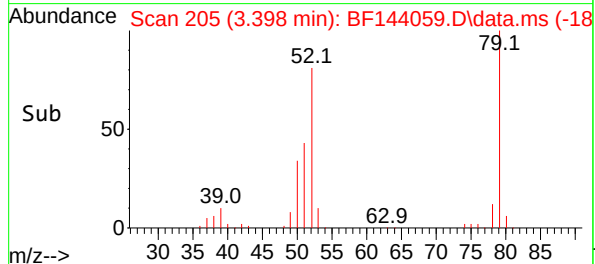
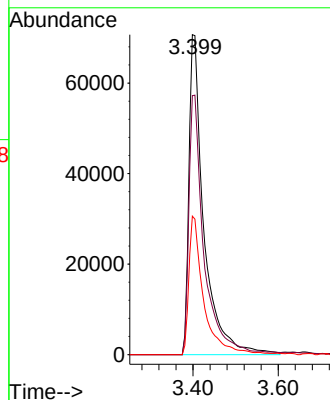
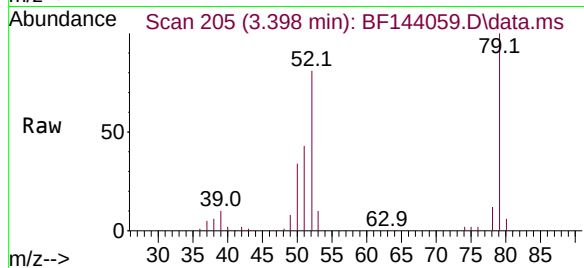




#3
Pyridine
Concen: 20.922 ng
RT: 3.398 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

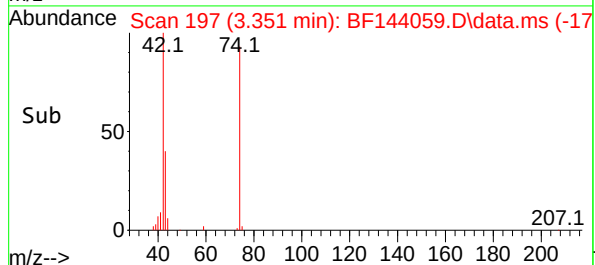
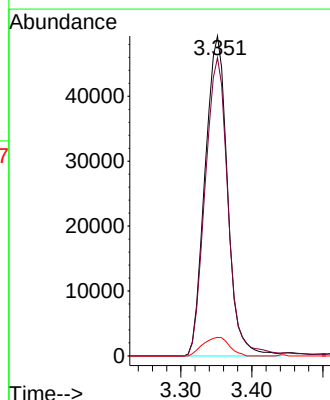
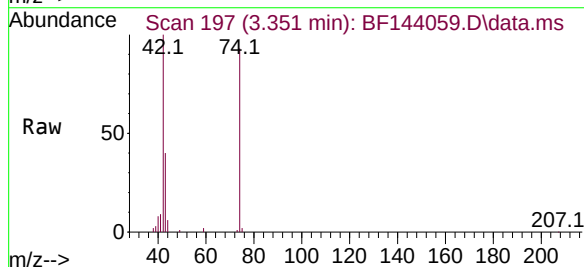
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

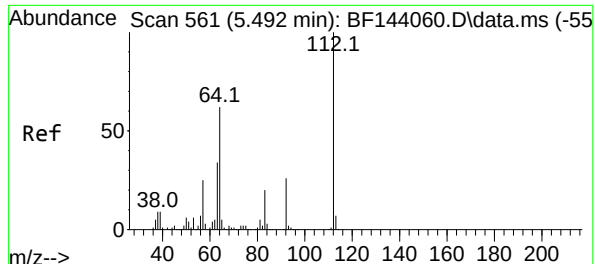
Tgt Ion: 79 Resp: 172002
Ion Ratio Lower Upper
79 100
52 80.9 67.5 101.3
51 43.3 33.6 50.4



#4
n-Nitrosodimethylamine
Concen: 21.434 ng
RT: 3.351 min Scan# 197
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 42 Resp: 108274
Ion Ratio Lower Upper
42 100
74 93.2 76.4 114.6
44 5.8 5.2 7.8

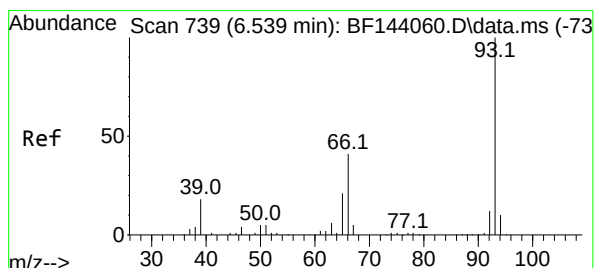
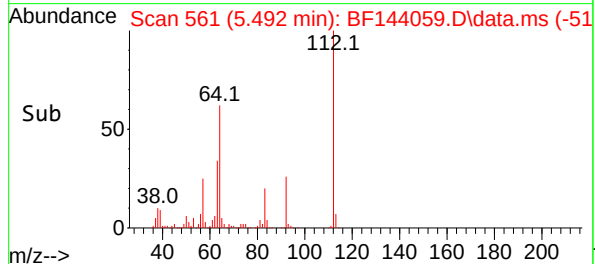
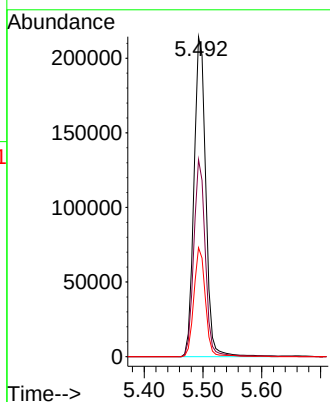
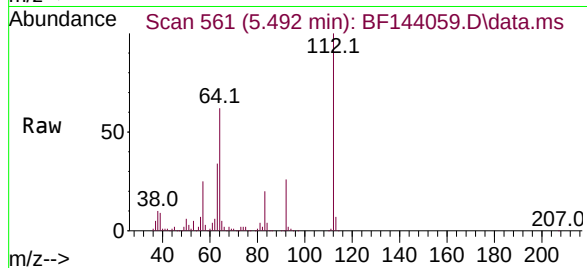




#5
2-Fluorophenol
Concen: 42.021 ng
RT: 5.492 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

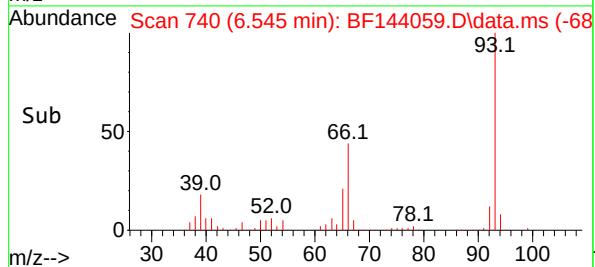
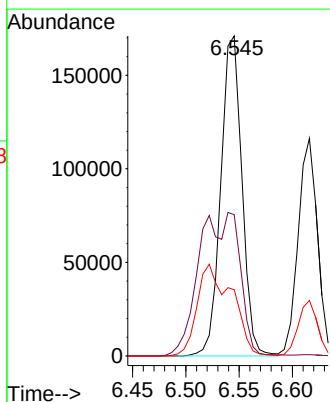
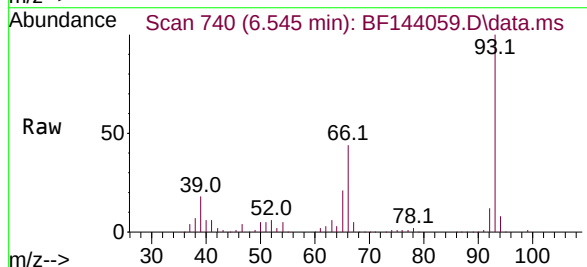
Instrument :
BNA_F
ClientSampleId :
SSTDIC020

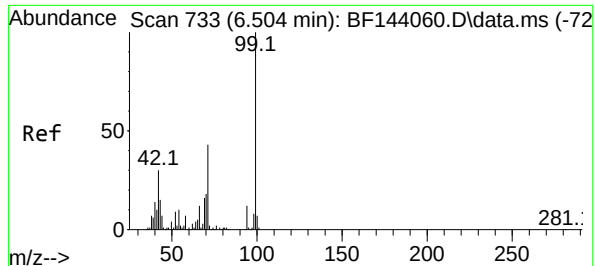
Tgt Ion:112 Resp: 298616
Ion Ratio Lower Upper
112 100
64 61.6 49.8 74.8
63 34.0 27.4 41.2



#6
Aniline
Concen: 21.092 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 93 Resp: 236820
Ion Ratio Lower Upper
93 100
66 44.1 35.7 53.5
65 20.7 17.0 25.6

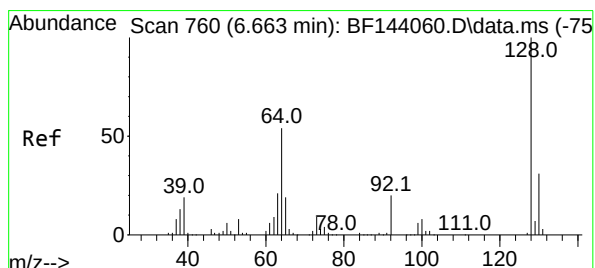
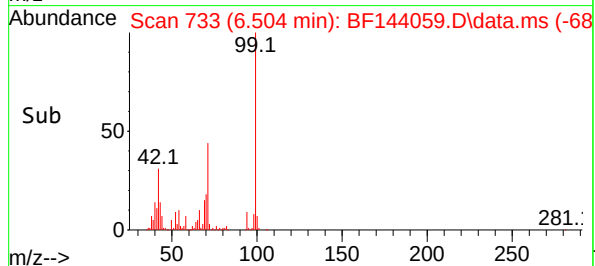
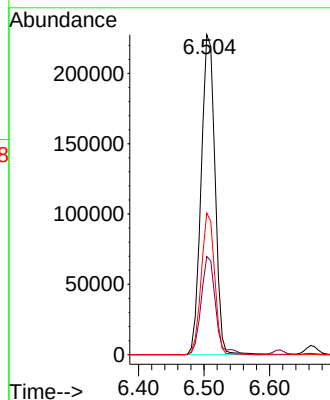
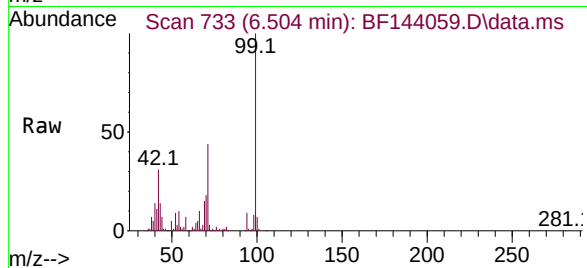




#7
Phenol-d6
Concen: 42.423 ng
RT: 6.504 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

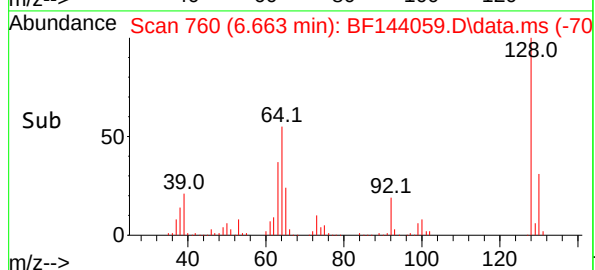
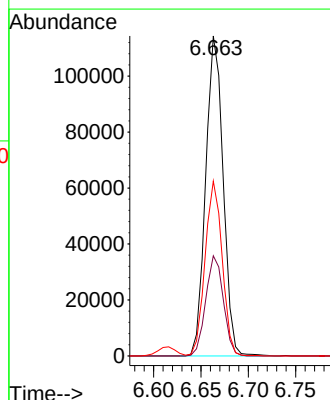
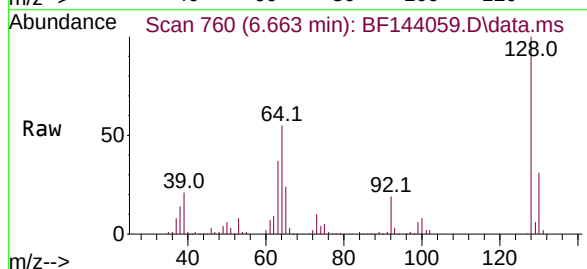
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

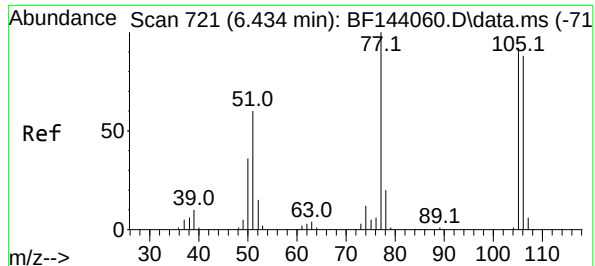
Tgt Ion: 99 Resp: 332945
Ion Ratio Lower Upper
99 100
42 30.7 23.9 35.9
71 44.2 34.4 51.6



#8
2-Chlorophenol
Concen: 20.988 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 128 Resp: 146877
Ion Ratio Lower Upper
128 100
130 31.3 10.7 50.7
64 54.6 34.7 74.7





#9

Benzaldehyde

Concen: 17.802 ng

RT: 6.434 min Scan# 721

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

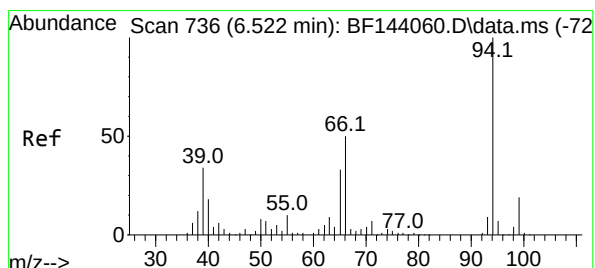
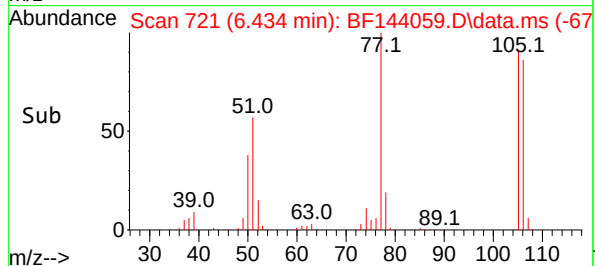
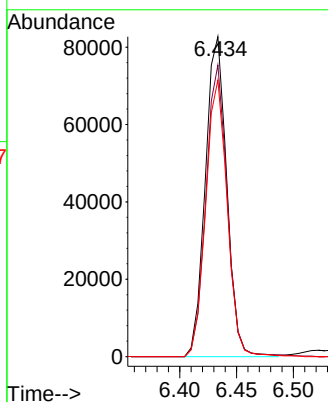
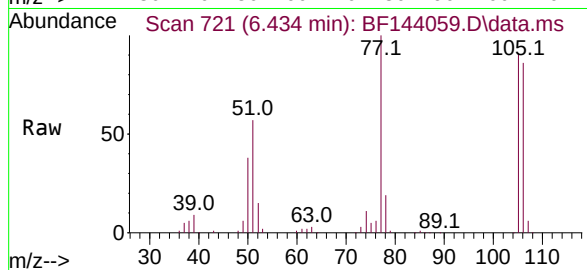
Tgt Ion: 77 Resp: 108472

Ion Ratio Lower Upper

77 100

105 91.1 72.2 112.2

106 86.4 67.9 107.9



#10

Phenol

Concen: 21.136 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

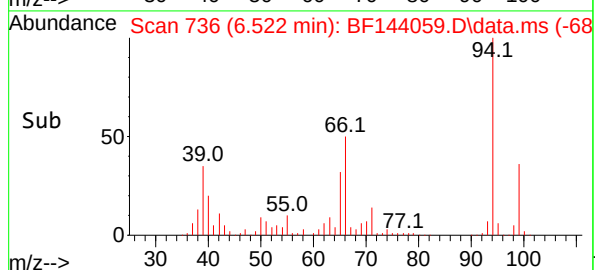
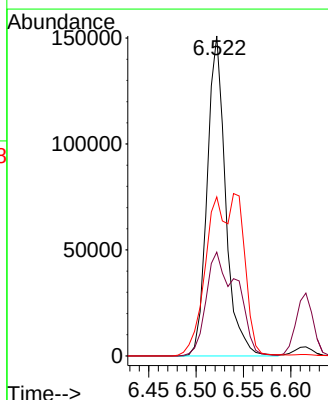
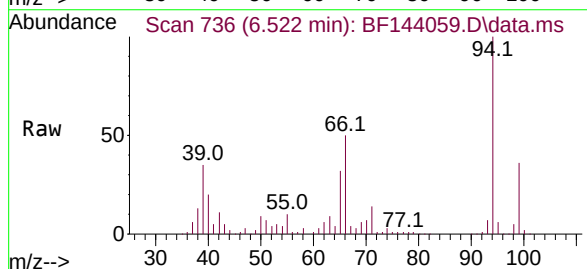
Tgt Ion: 94 Resp: 204649

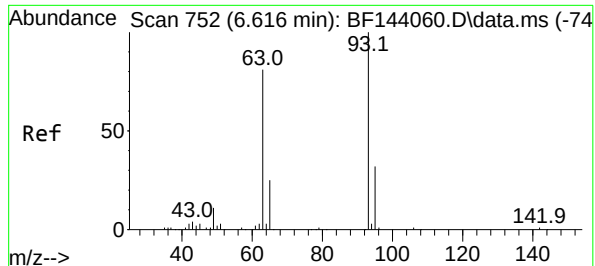
Ion Ratio Lower Upper

94 100

65 32.4 13.1 53.1

66 49.7 30.6 70.6

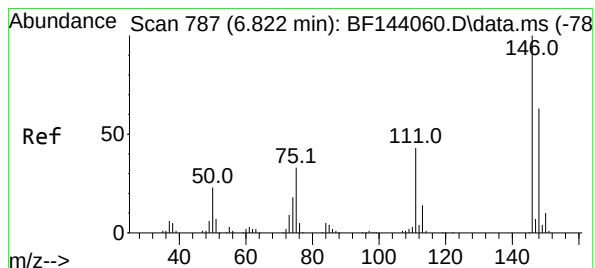
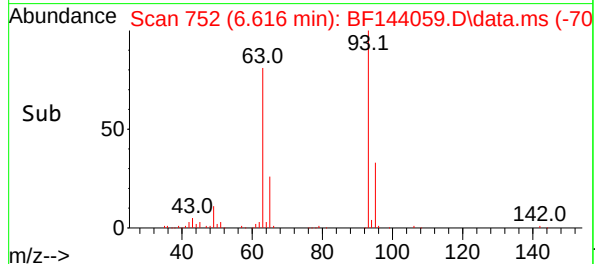
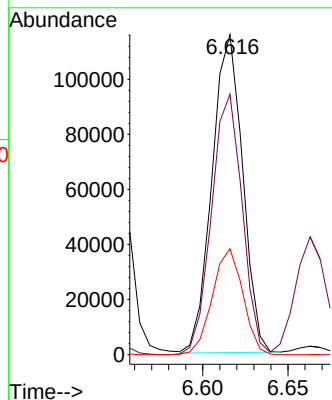
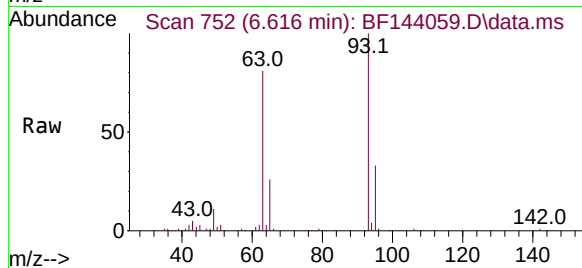




#11
bis(2-Chloroethyl)ether
Concen: 20.652 ng
RT: 6.616 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

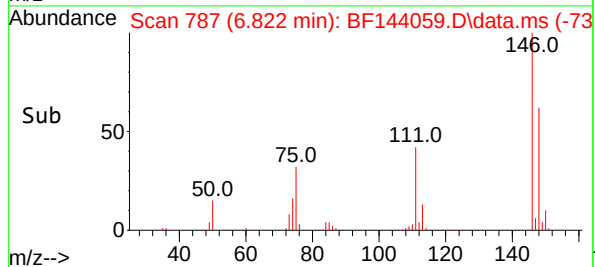
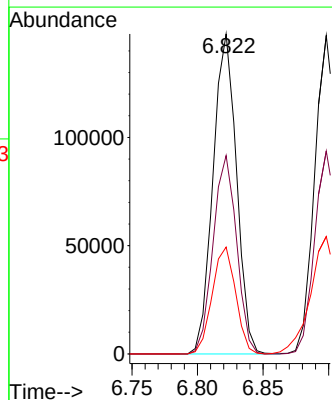
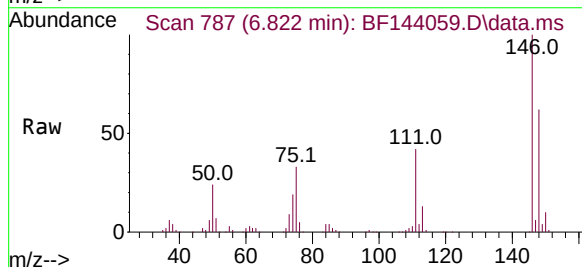
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

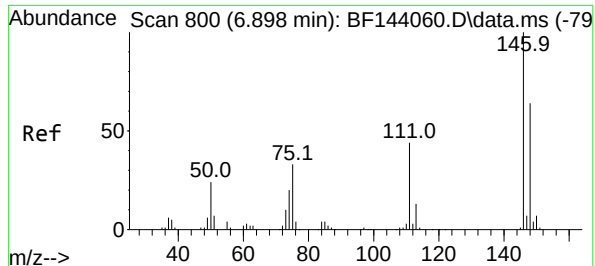
Tgt Ion	93	Resp	144490
Ion Ratio	100		
Lower			
Upper			
93	100		
63	81.4	60.2	100.2
95	33.1	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 21.358 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion	146	Resp	184376
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
146 <td>100</td> <td></td> <td></td>	100		
148 <td>62.0</td> <td>50.6</td> <td>75.8</td>	62.0	50.6	75.8
75 <td>33.4</td> <td>26.6</td> <td>40.0</td>	33.4	26.6	40.0





#13

1,4-Dichlorobenzene

Concen: 21.035 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

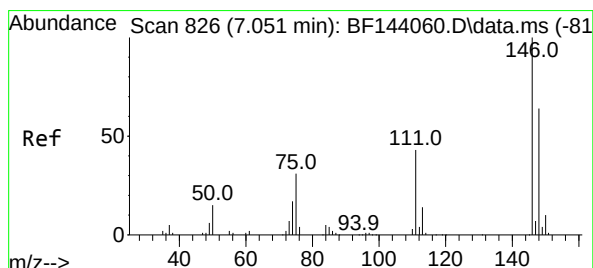
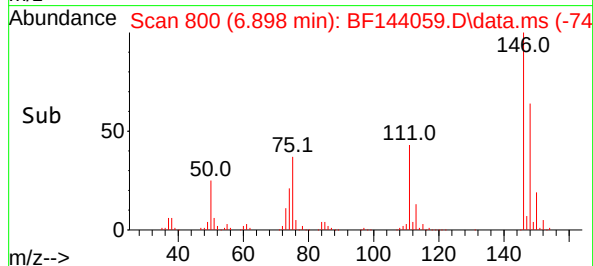
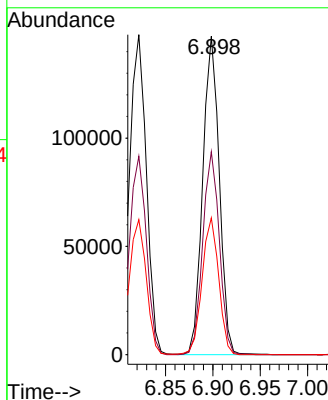
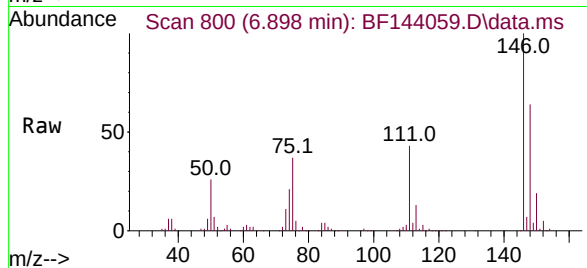
Tgt Ion:146 Resp: 178962

Ion Ratio Lower Upper

146 100

148 63.7 51.0 76.6

111 42.9 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 20.951 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

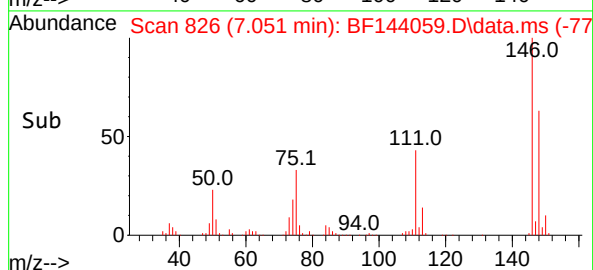
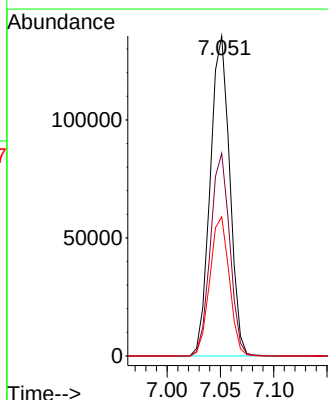
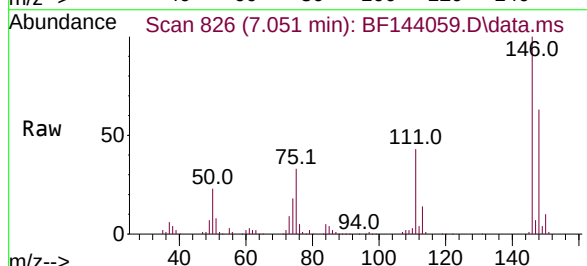
Tgt Ion:146 Resp: 172463

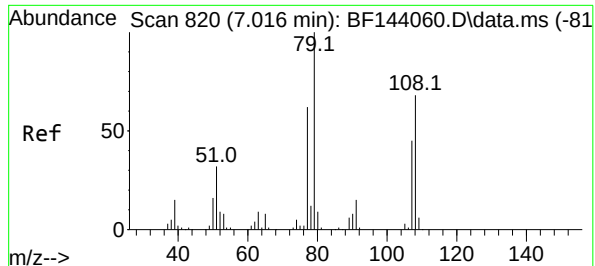
Ion Ratio Lower Upper

146 100

148 63.3 50.8 76.2

111 43.5 34.7 52.1





#15

Benzyl Alcohol

Concen: 21.748 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

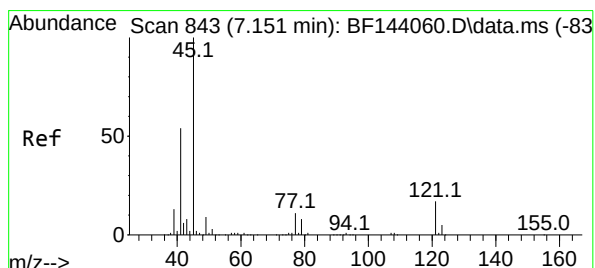
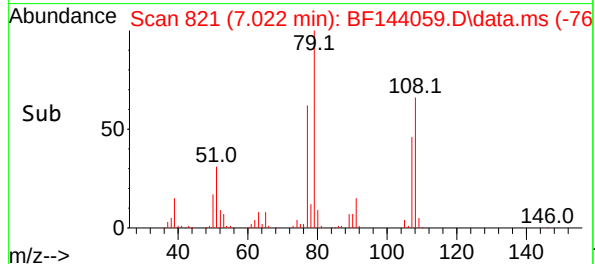
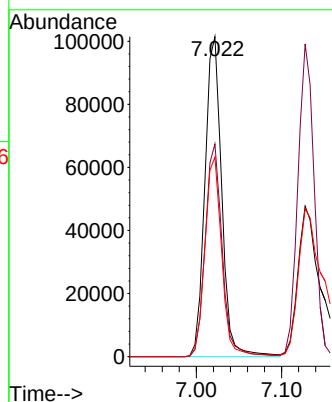
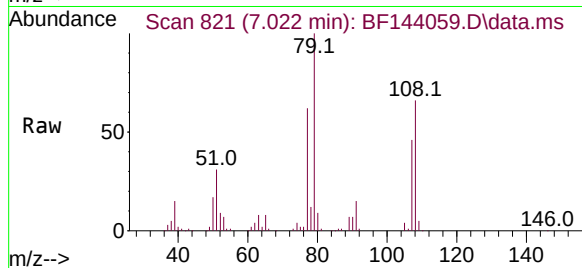
Tgt Ion: 79 Resp: 138784

Ion Ratio Lower Upper

79 100

108 66.5 54.8 82.2

77 62.4 49.4 74.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.419 ng

RT: 7.151 min Scan# 843

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

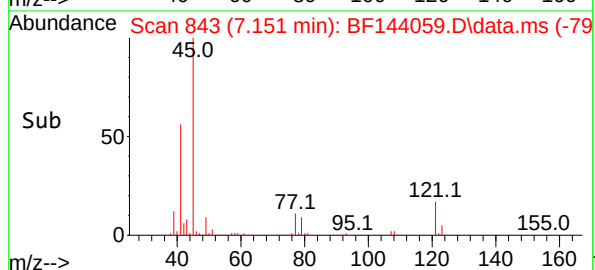
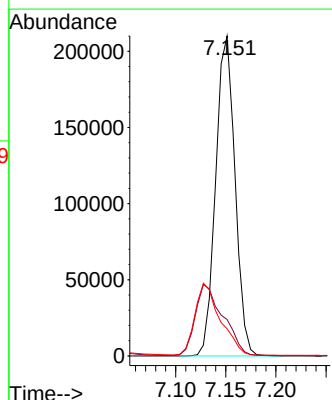
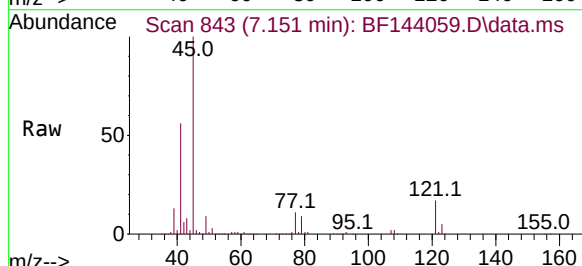
Tgt Ion: 45 Resp: 281645

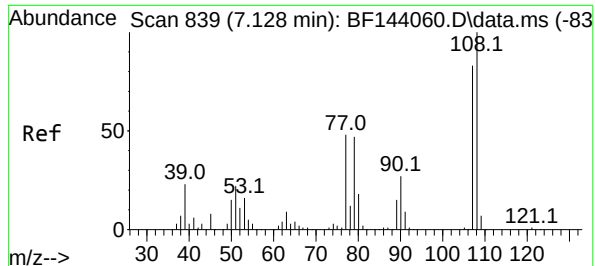
Ion Ratio Lower Upper

45 100

77 11.4 0.0 30.9

79 8.5 0.0 28.2

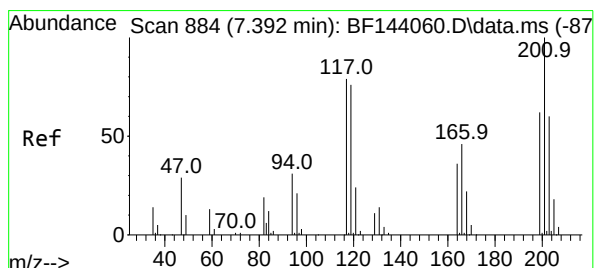
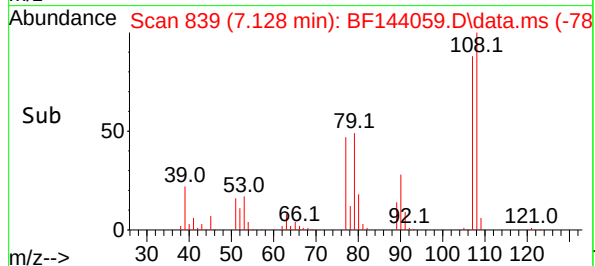
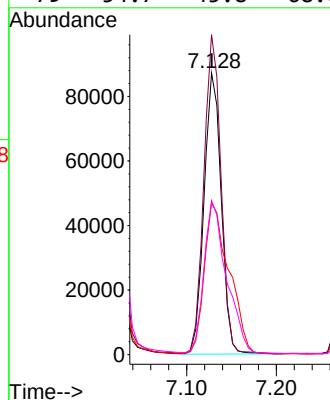
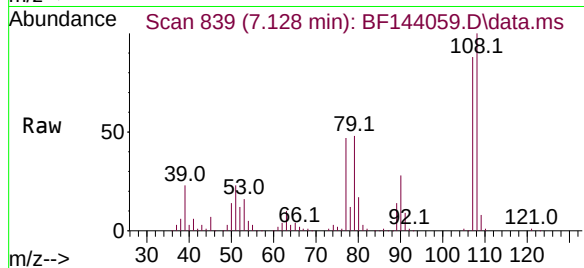




#17
2-Methylphenol
Concen: 21.550 ng
RT: 7.128 min Scan# 839
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

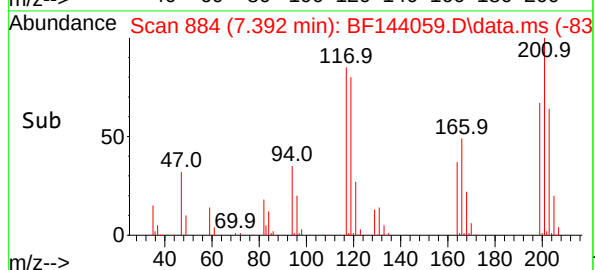
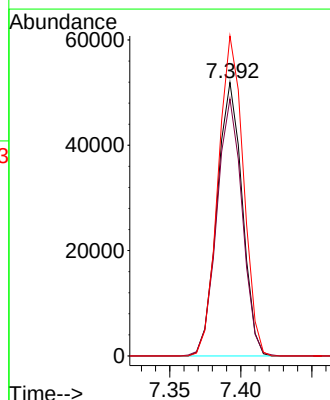
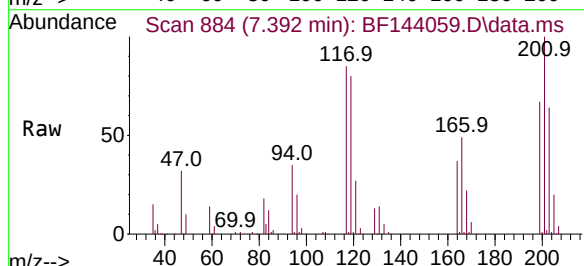
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

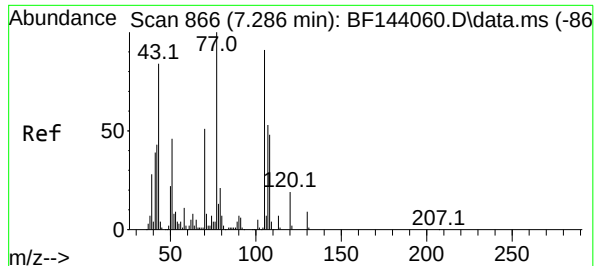
Tgt Ion:	107	Resp:	115994
Ion	Ratio	Lower	Upper
107	100		
108	113.6	96.4	144.6
77	53.7	46.8	70.2
79	54.7	45.8	68.6



#18
Hexachloroethane
Concen: 21.020 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:	117	Resp:	63937
Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.6	115.0
201	117.0	100.9	151.3





#19

n-Nitroso-di-n-propylamine

Concen: 21.019 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.006 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 106671

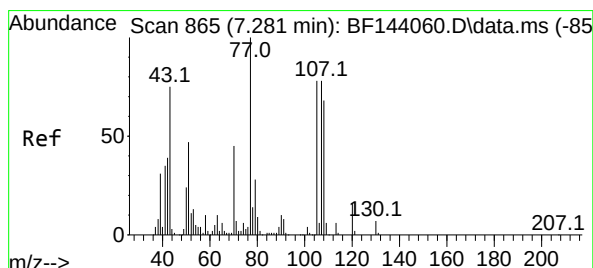
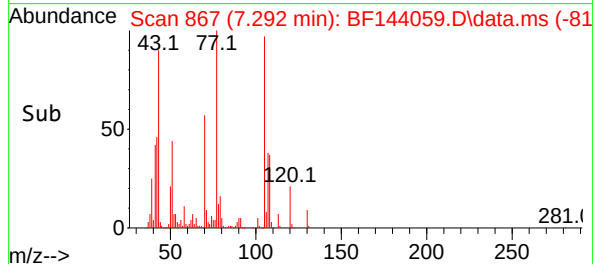
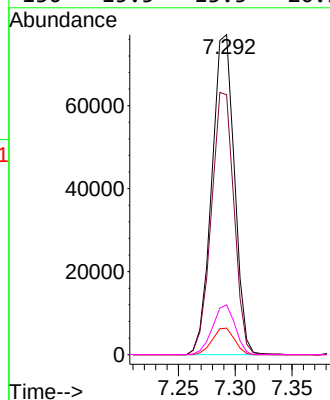
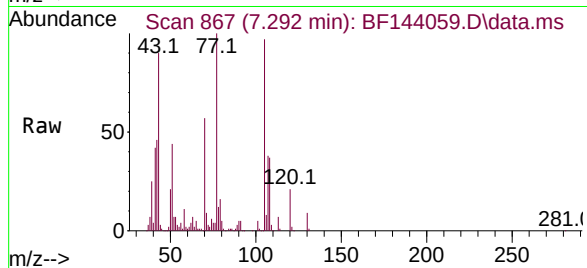
Ion Ratio Lower Upper

70 100

42 81.2 67.4 101.0

101 8.3 7.1 10.7

130 15.5 13.5 20.3



#20

3+4-Methylphenols

Concen: 21.033 ng

RT: 7.281 min Scan# 865

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Tgt Ion: 107 Resp: 133833

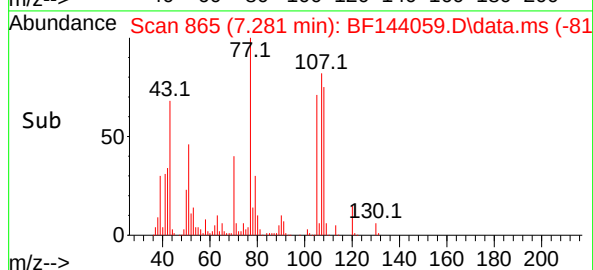
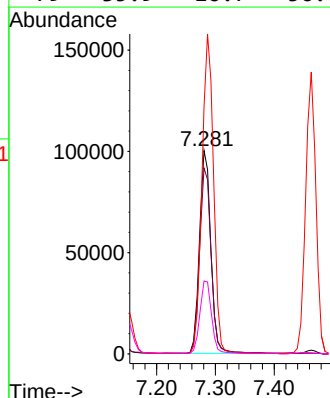
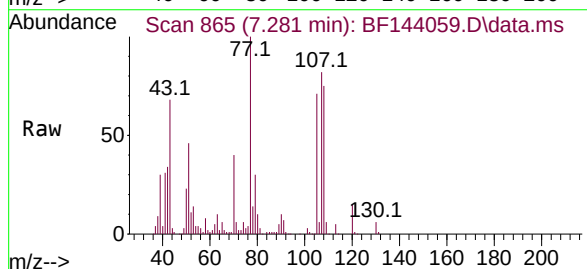
Ion Ratio Lower Upper

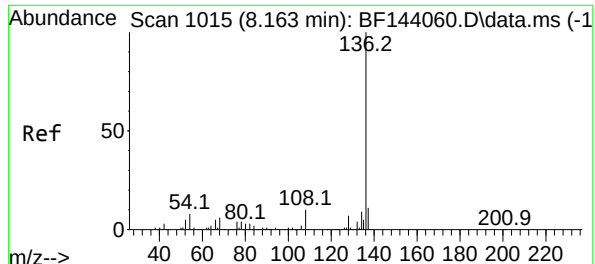
107 100

108 91.4 68.0 108.0

77 121.6 108.7 148.7

79 35.9 16.7 56.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1015

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 417749

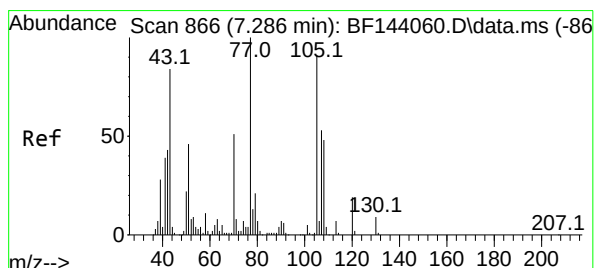
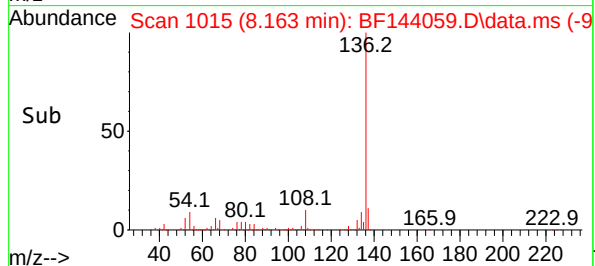
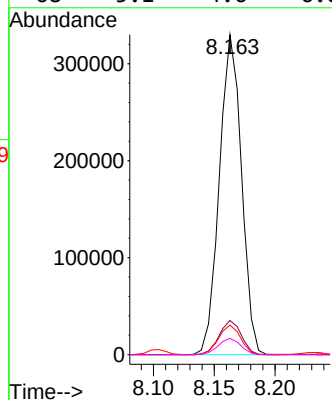
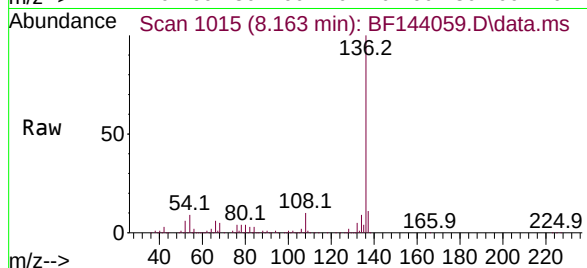
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.2 6.6 9.8

68 5.1 4.6 6.8



#22

Acetophenone

Concen: 20.050 ng

RT: 7.286 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Tgt Ion:105 Resp: 181010

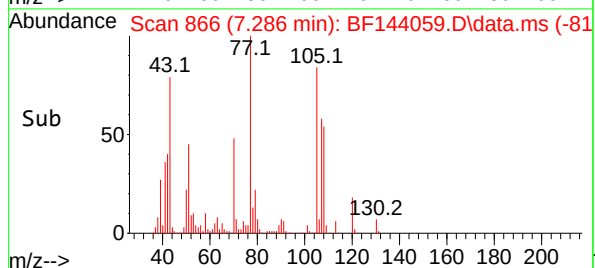
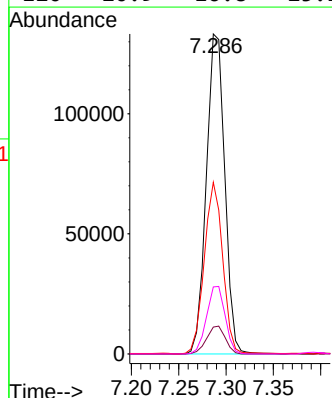
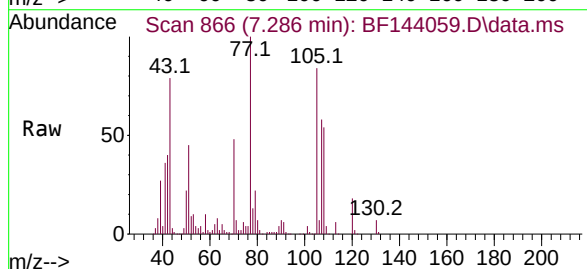
Ion Ratio Lower Upper

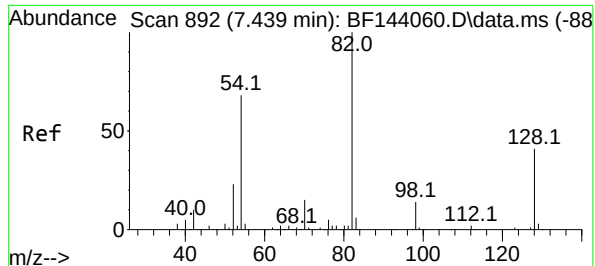
105 100

71 8.4 6.9 10.3

51 53.6 40.6 60.8

120 20.9 16.8 25.2





#23

Nitrobenzene-d5

Concen: 41.016 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.006 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

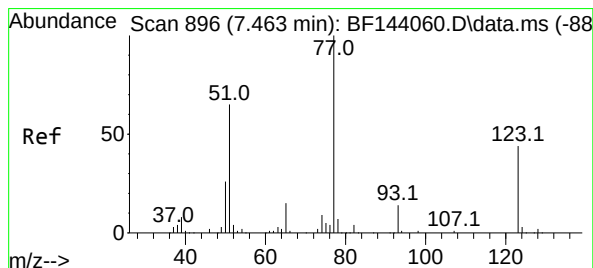
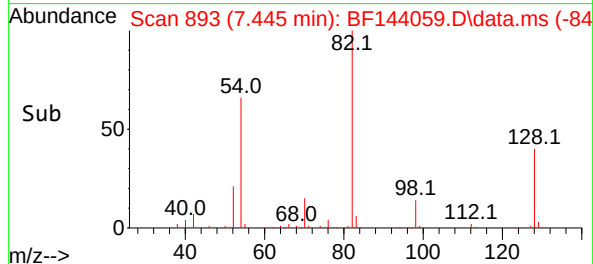
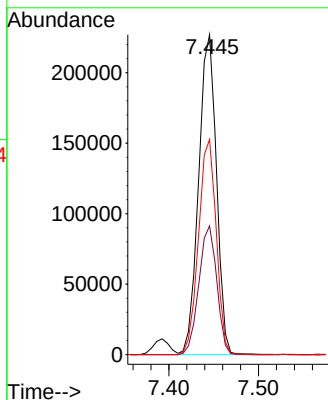
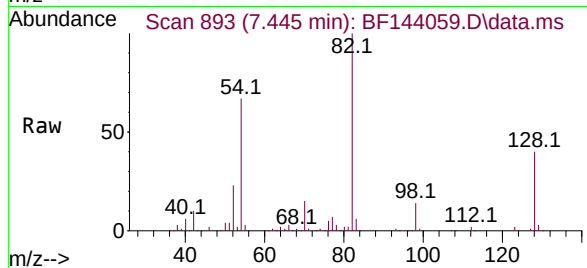
BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 312746

Ion	Ratio	Lower	Upper
82	100		
128	40.2	32.4	48.6
54	67.2	54.0	81.0



#24

Nitrobenzene

Concen: 20.907 ng

RT: 7.463 min Scan# 896

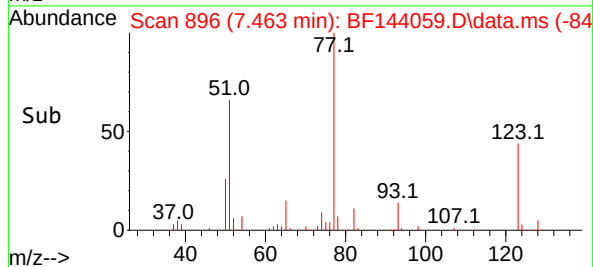
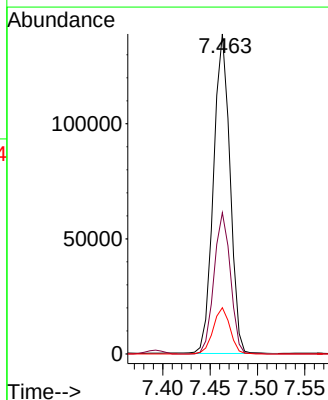
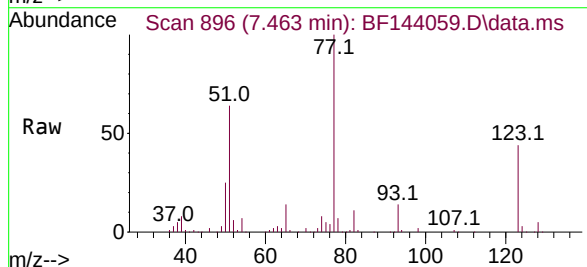
Delta R.T. 0.000 min

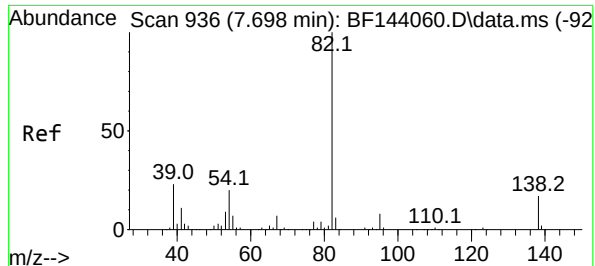
Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Tgt Ion: 77 Resp: 168641

Ion	Ratio	Lower	Upper
77	100		
123	44.1	35.0	52.6
65	14.4	12.2	18.2





#25

Isophorone

Concen: 20.206 ng

RT: 7.698 min Scan# 936

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

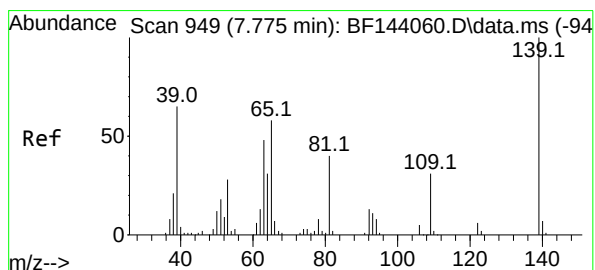
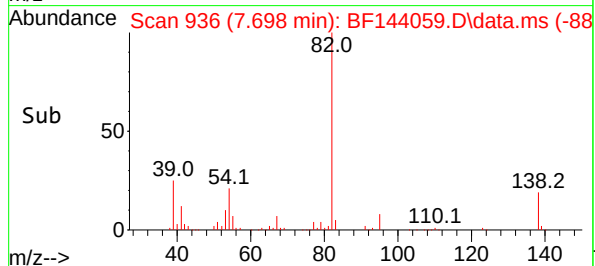
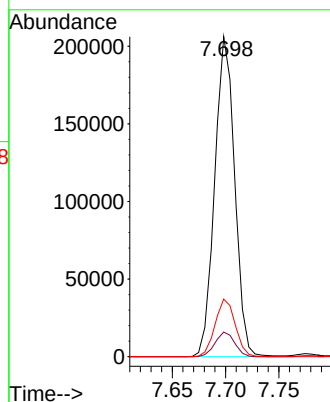
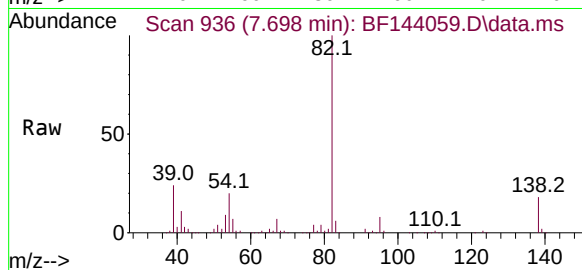
Tgt Ion: 82 Resp: 269356

Ion Ratio Lower Upper

82 100

95 7.7 6.6 9.8

138 18.0 13.8 20.8



#26

2-Nitrophenol

Concen: 21.306 ng

RT: 7.781 min Scan# 950

Delta R.T. 0.006 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

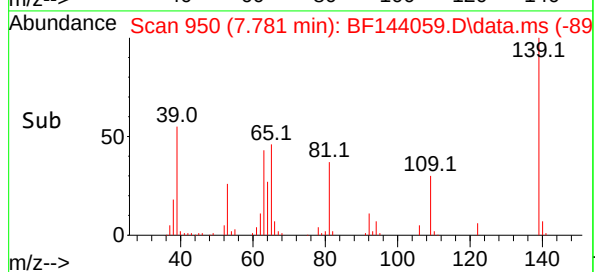
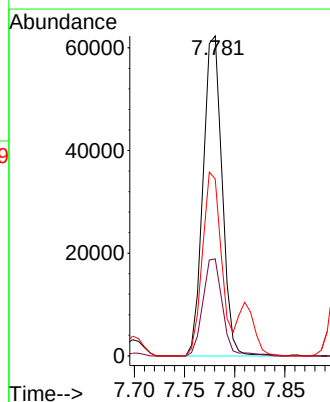
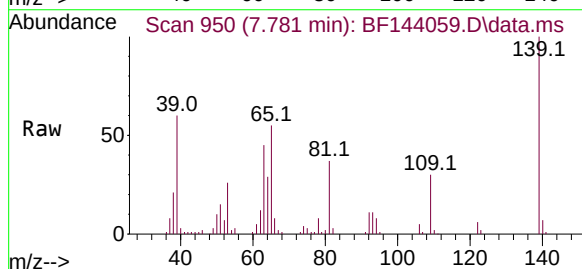
Tgt Ion: 139 Resp: 81754

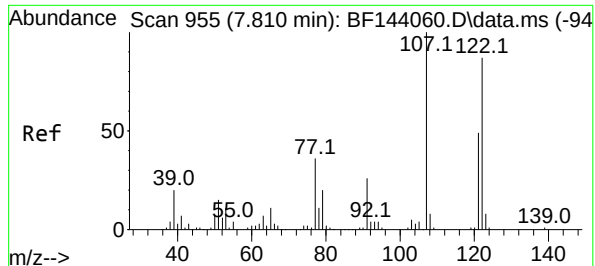
Ion Ratio Lower Upper

139 100

109 30.3 24.6 37.0

65 55.3 46.6 69.8





#27

2,4-Dimethylphenol

Concen: 19.202 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

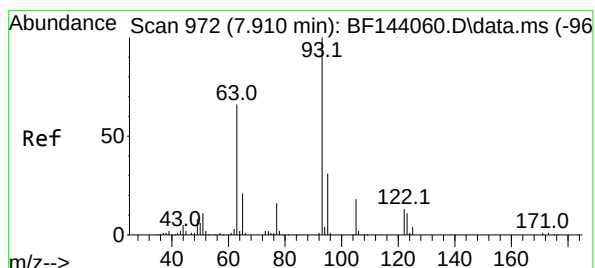
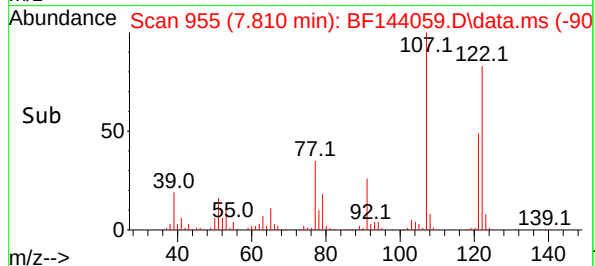
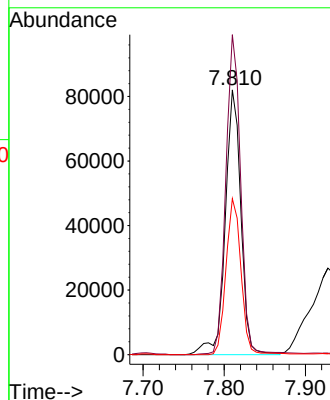
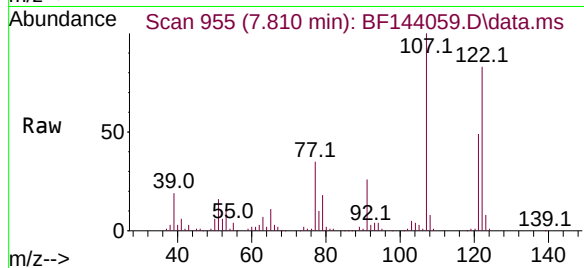
Tgt Ion:122 Resp: 109494

Ion Ratio Lower Upper

122 100

107 120.9 91.8 137.8

121 58.9 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 20.729 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

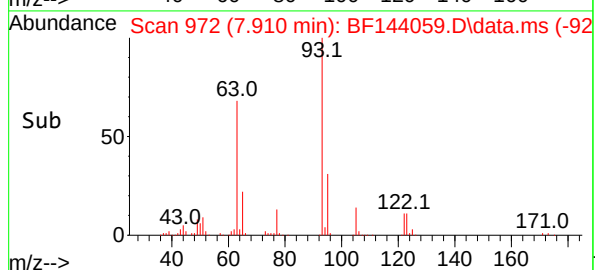
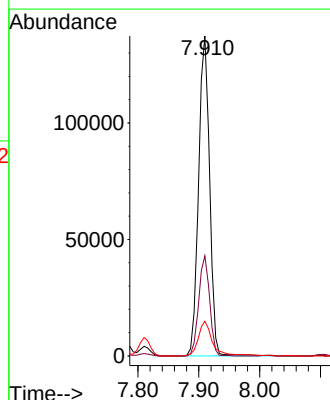
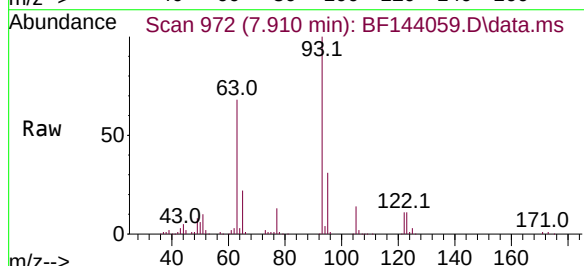
Tgt Ion: 93 Resp: 172327

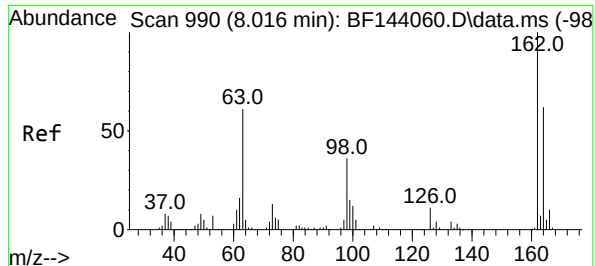
Ion Ratio Lower Upper

93 100

95 31.3 24.6 36.8

123 10.8 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 20.487 ng

RT: 8.016 min Scan# 99

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

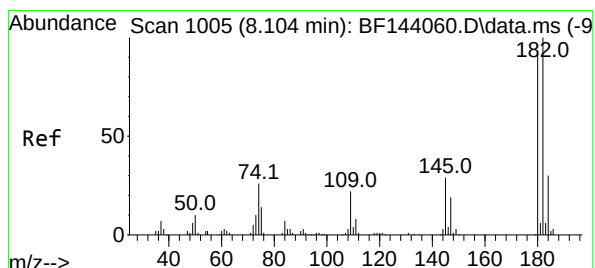
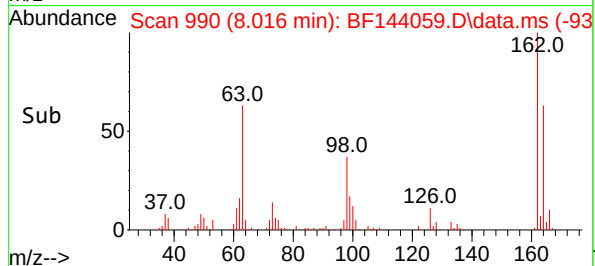
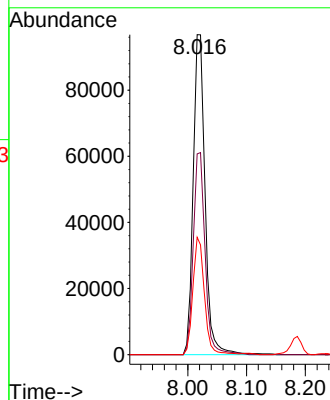
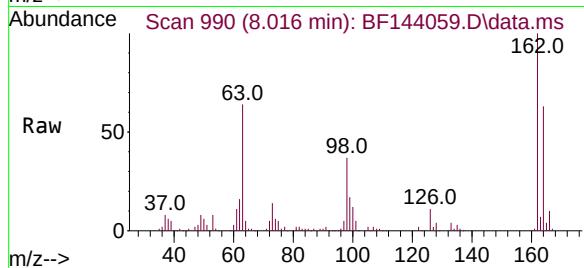
Tgt Ion:162 Resp: 135856

Ion Ratio Lower Upper

162 100

164 62.7 42.1 82.1

98 36.7 16.0 56.0



#30

1,2,4-Trichlorobenzene

Concen: 20.442 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

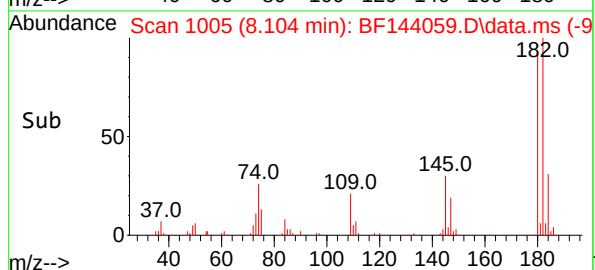
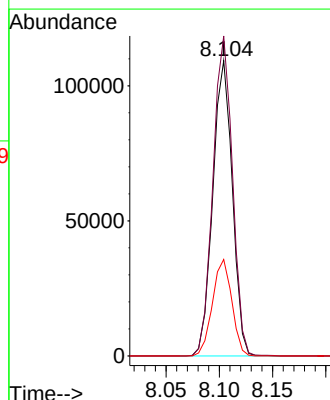
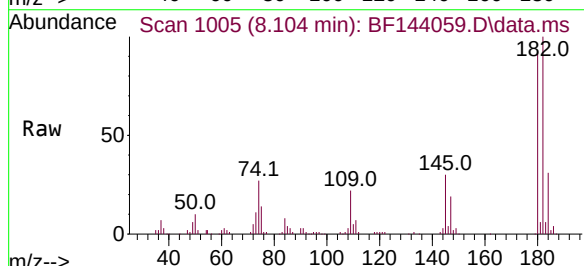
Tgt Ion:180 Resp: 139458

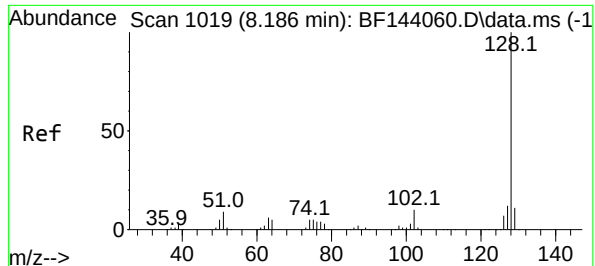
Ion Ratio Lower Upper

180 100

182 108.4 87.1 130.7

145 32.7 25.3 37.9

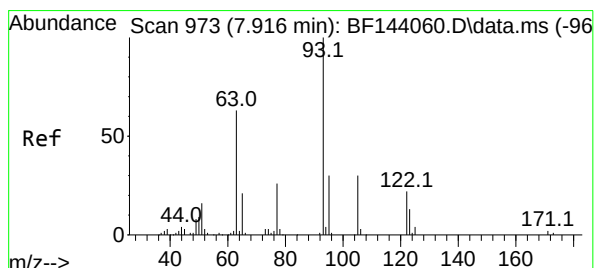
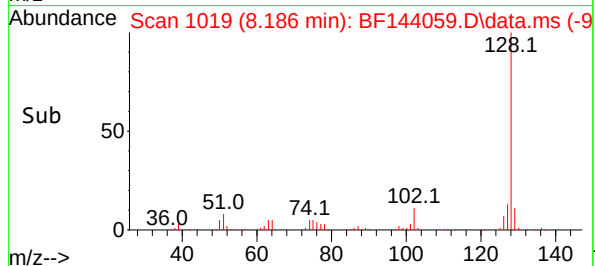
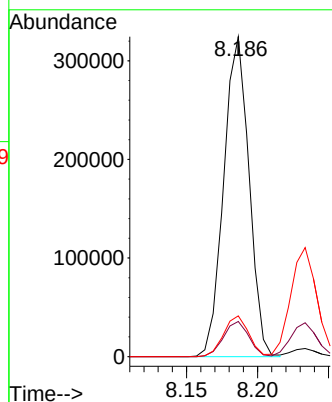
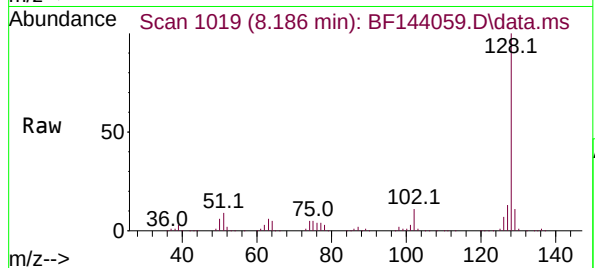




#31
Naphthalene
Concen: 20.378 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

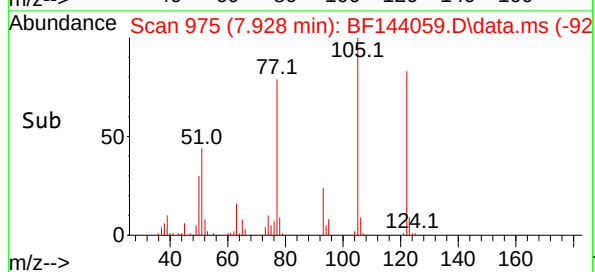
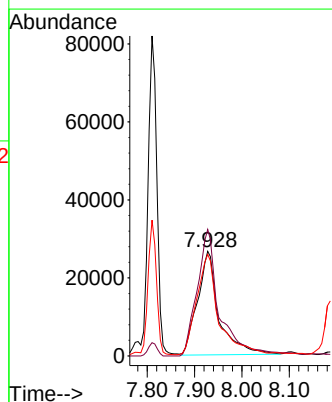
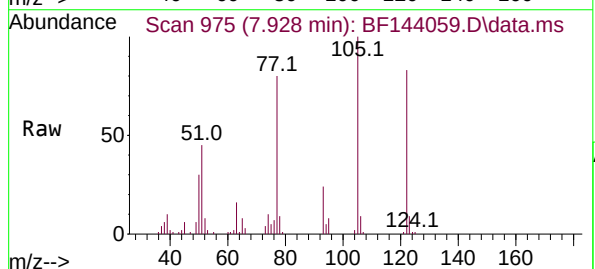
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

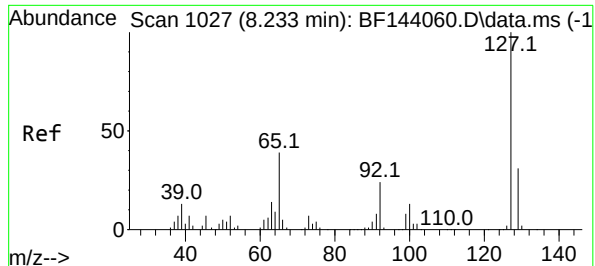
Tgt Ion:128 Resp: 401788
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 12.7 9.9 14.9



#32
Benzoic acid
Concen: 23.086 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.012 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:122 Resp: 83503
Ion Ratio Lower Upper
122 100
105 120.9 111.3 151.3
77 97.1 96.7 136.7





#33

4-Chloroaniline

Concen: 21.228 ng

RT: 8.233 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 145706

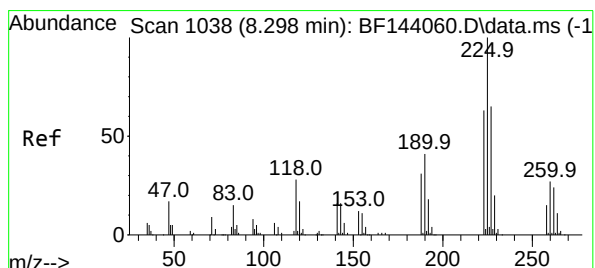
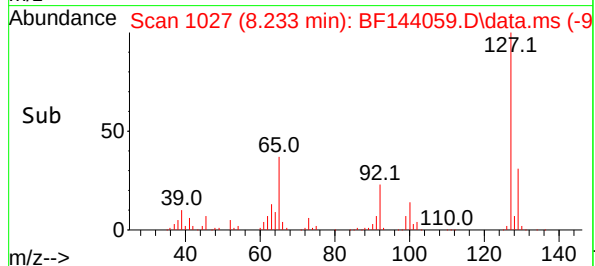
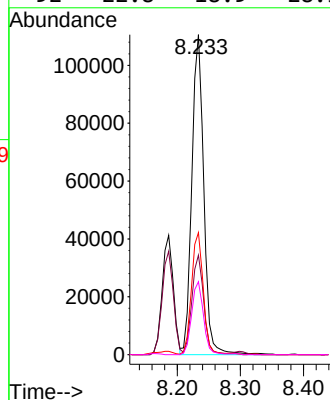
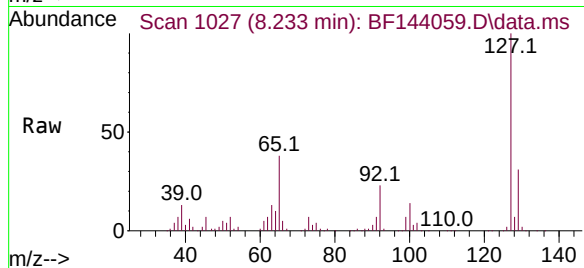
Ion Ratio Lower Upper

127 100

129 31.1 25.6 38.4

65 38.1 30.9 46.3

92 22.8 18.9 28.3



#34

Hexachlorobutadiene

Concen: 20.546 ng

RT: 8.298 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

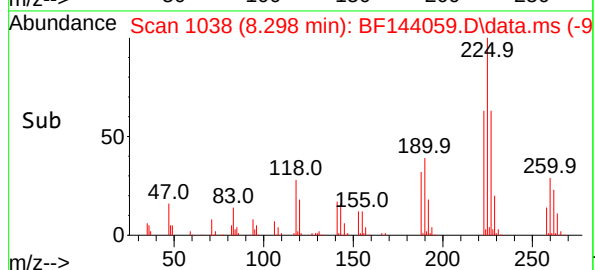
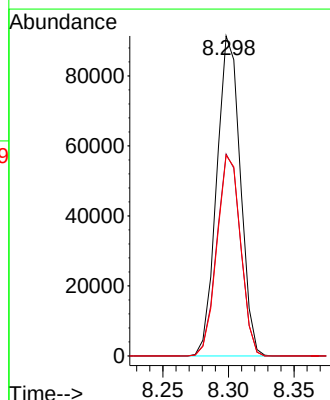
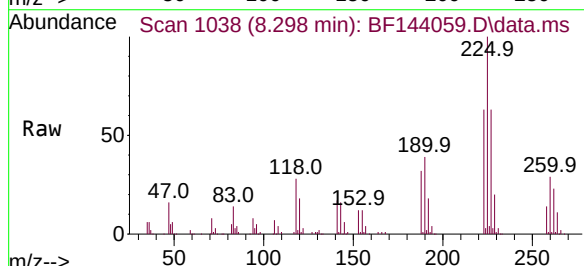
Tgt Ion:225 Resp: 114614

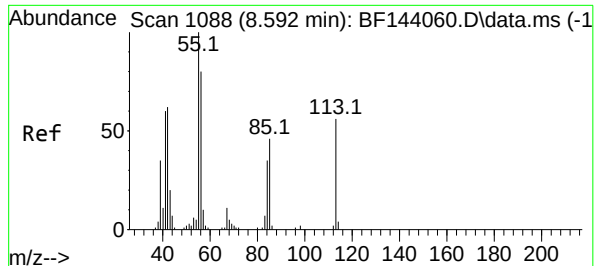
Ion Ratio Lower Upper

225 100

223 63.1 50.6 76.0

227 62.7 51.8 77.8





#35

Caprolactam

Concen: 20.591 ng

RT: 8.598 min Scan# 1088

Delta R.T. 0.006 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

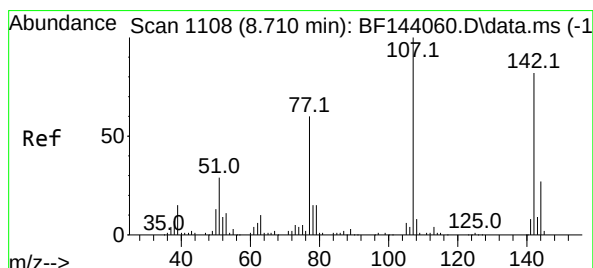
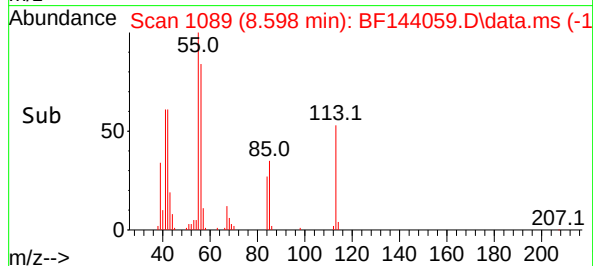
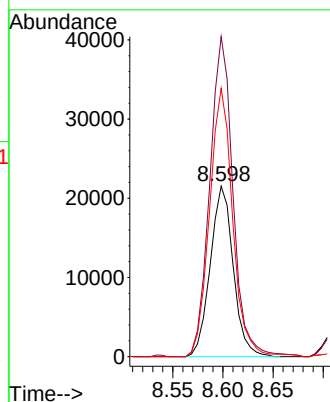
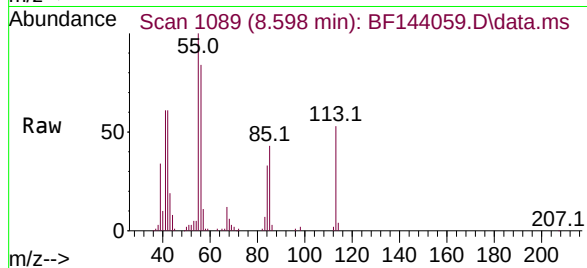
Tgt Ion:113 Resp: 34241

Ion Ratio Lower Upper

113 100

55 187.8 160.1 200.1

56 157.4 124.9 164.9



#36

4-Chloro-3-methylphenol

Concen: 20.357 ng

RT: 8.710 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

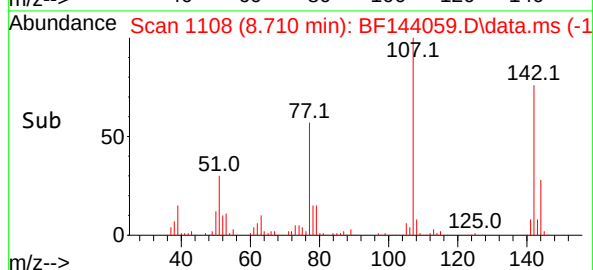
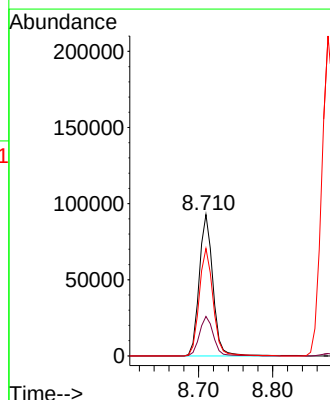
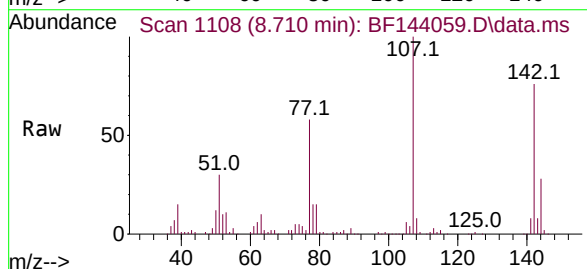
Tgt Ion:107 Resp: 119127

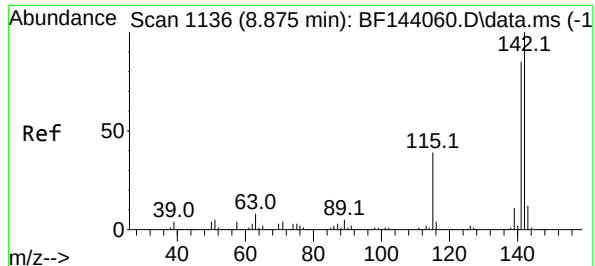
Ion Ratio Lower Upper

107 100

144 28.0 21.6 32.4

142 76.0 65.4 98.0





#37

2-Methylnaphthalene

Concen: 20.280 ng

RT: 8.875 min Scan# 1136

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

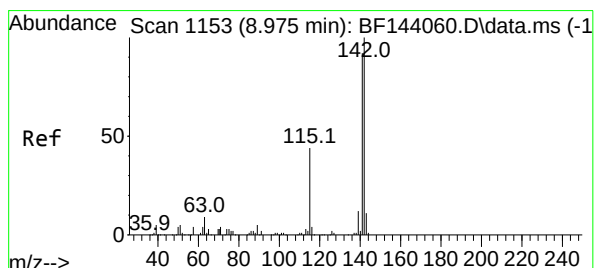
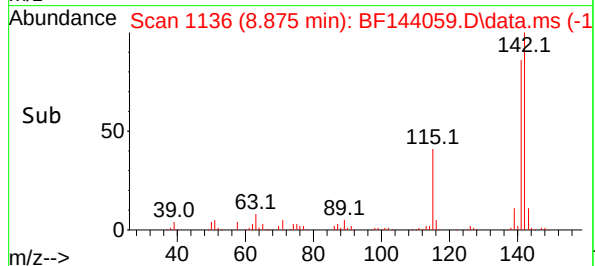
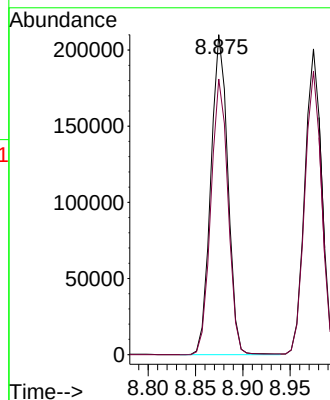
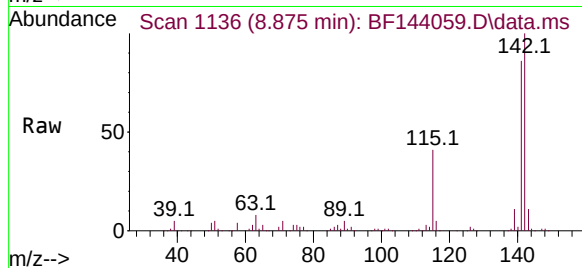
SSTDICC020

Tgt Ion:142 Resp: 263628

Ion Ratio Lower Upper

142 100

141 86.1 67.6 101.4



#38

1-Methylnaphthalene

Concen: 20.035 ng

RT: 8.975 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF144059.D

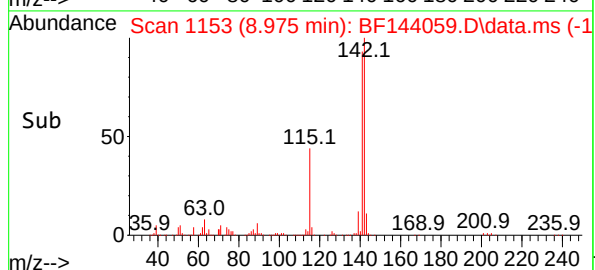
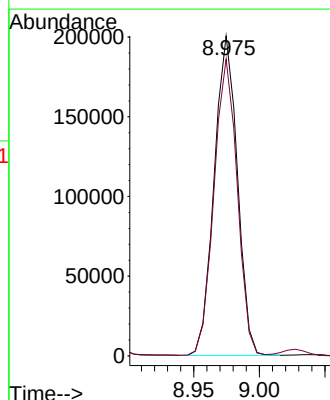
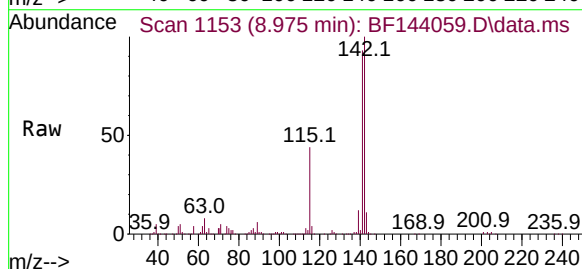
Acq: 24 Oct 2025 12:36

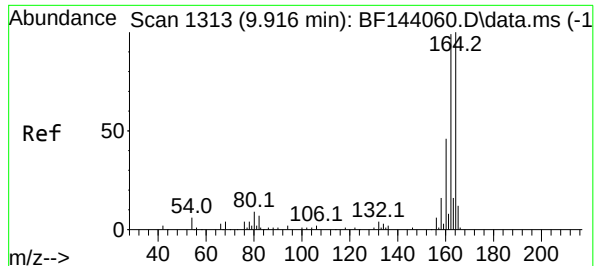
Tgt Ion:142 Resp: 246748

Ion Ratio Lower Upper

142 100

141 92.8 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1313

Delta R.T. 0.006 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

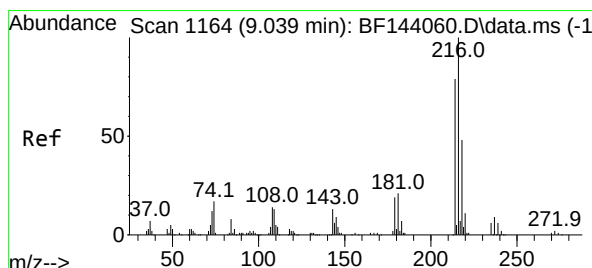
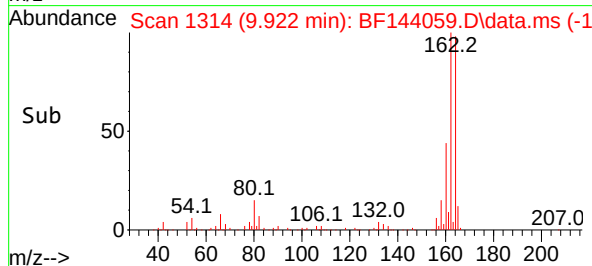
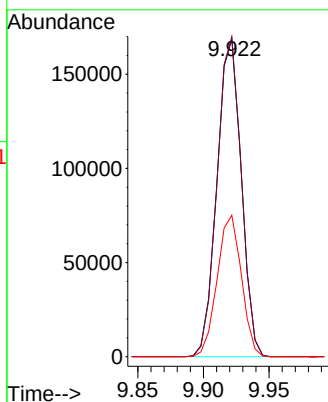
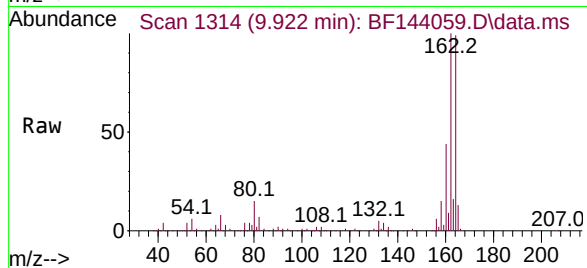
Tgt Ion:164 Resp: 217706

Ion Ratio Lower Upper

164 100

162 100.9 79.4 119.2

160 44.6 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.160 ng

RT: 9.039 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Tgt Ion:216 Resp: 150836

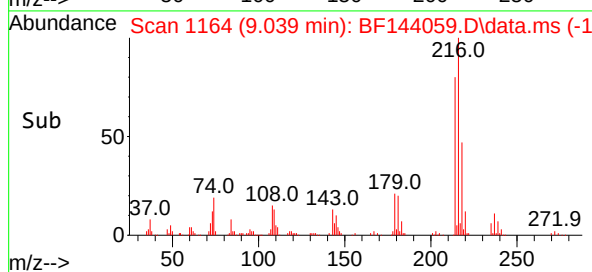
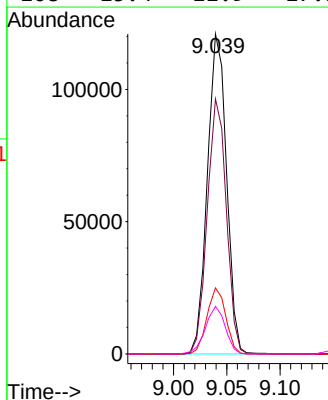
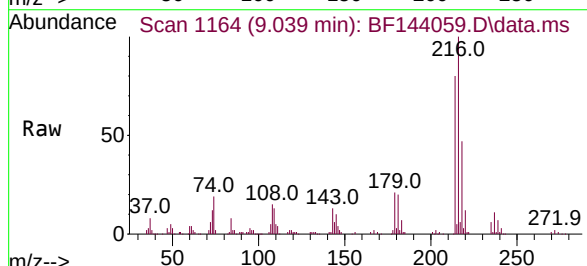
Ion Ratio Lower Upper

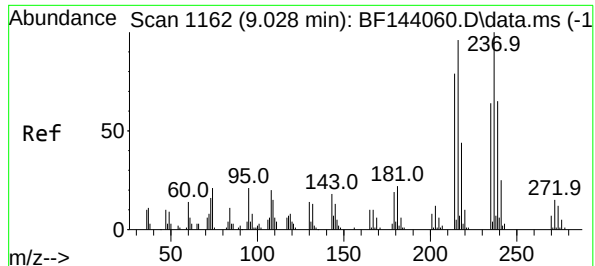
216 100

214 79.3 63.2 94.8

179 20.2 15.2 22.8

108 15.4 11.9 17.9

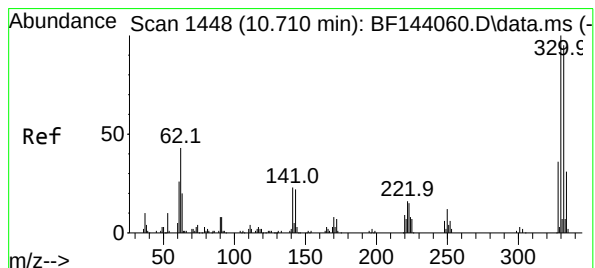
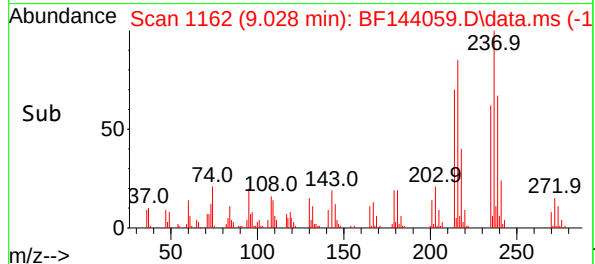
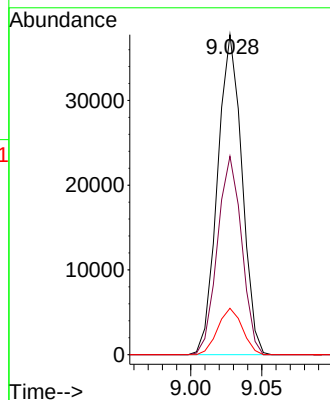
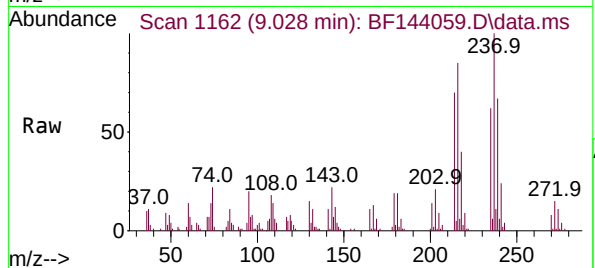




#41
Hexachlorocyclopentadiene
Concen: 19.591 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

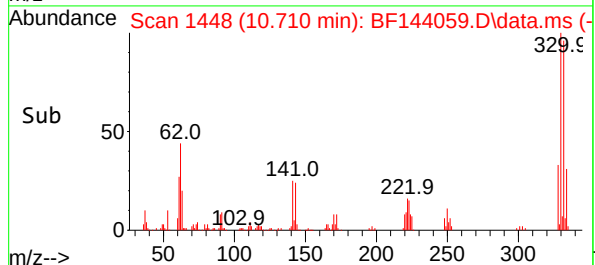
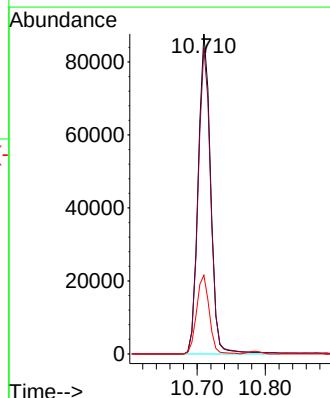
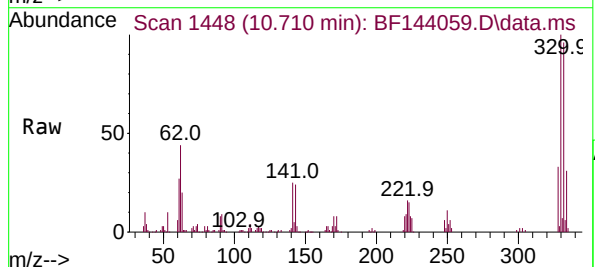
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

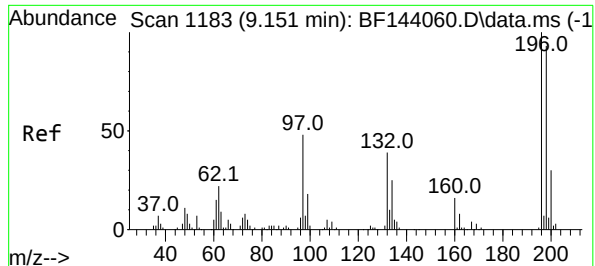
Tgt Ion: 237 Resp: 45275
Ion Ratio Lower Upper
237 100
235 62.0 44.3 84.3
272 14.5 0.0 35.2



#42
2,4,6-Tribromophenol
Concen: 40.132 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 330 Resp: 111292
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 24.9 19.4 29.0





#43

2,4,6-Trichlorophenol

Concen: 21.484 ng

RT: 9.151 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

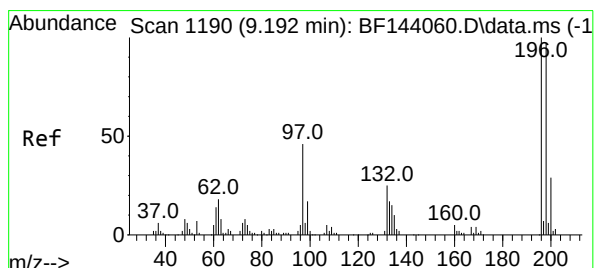
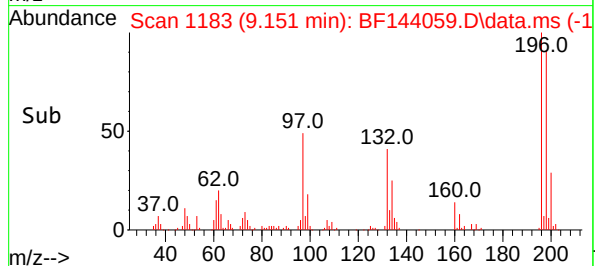
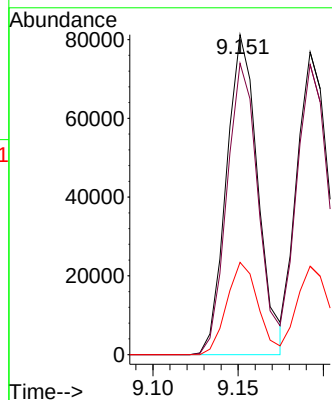
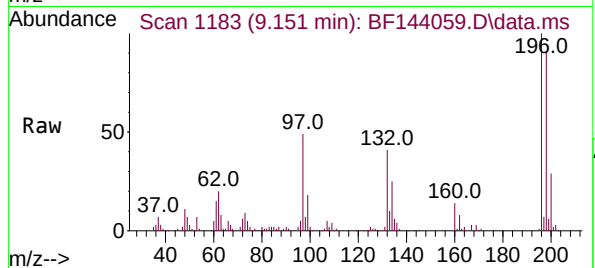
Tgt Ion:196 Resp: 104484

Ion Ratio Lower Upper

196 100

198 91.0 74.4 111.6

200 28.8 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 20.655 ng

RT: 9.192 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Tgt Ion:196 Resp: 105424

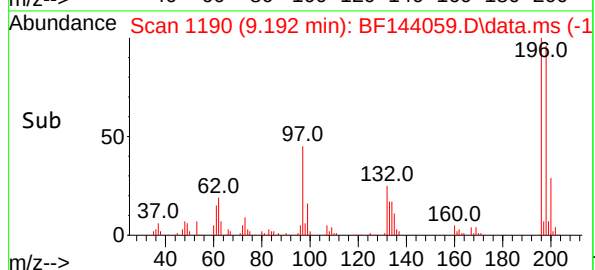
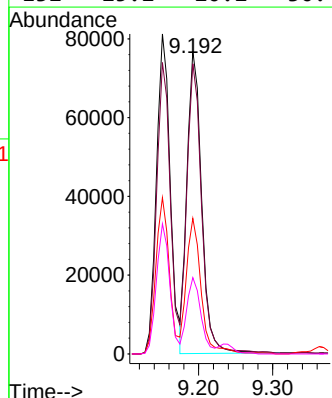
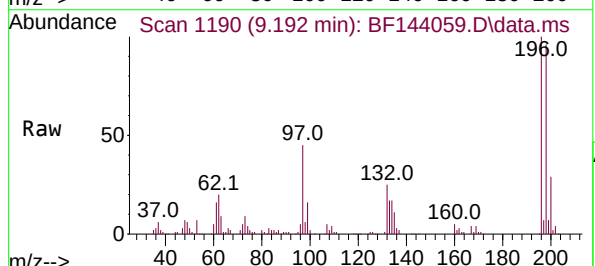
Ion Ratio Lower Upper

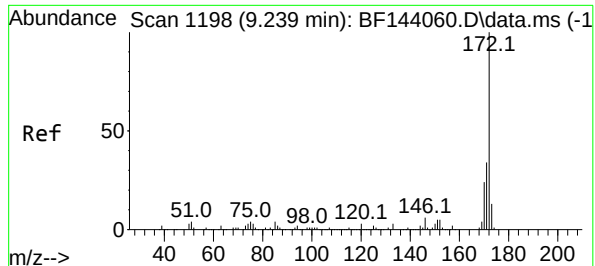
196 100

198 95.9 78.0 117.0

97 44.7 37.7 56.5

132 25.2 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 39.724 ng

RT: 9.239 min Scan# 1198

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

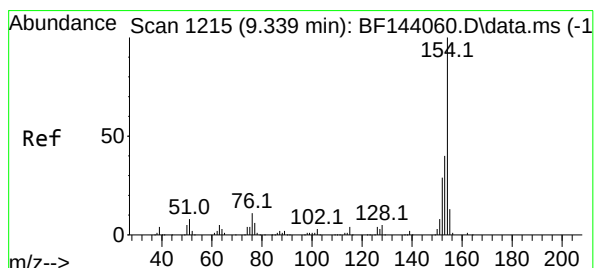
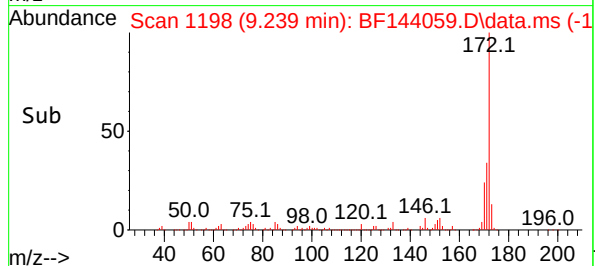
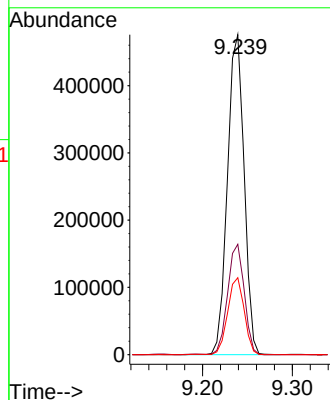
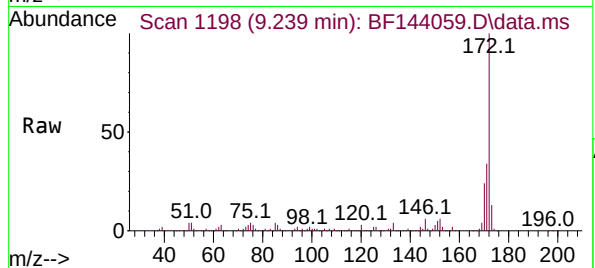
Tgt Ion:172 Resp: 614559

Ion Ratio Lower Upper

172 100

171 34.5 27.5 41.3

170 24.0 19.0 28.6



#46

1,1'-Biphenyl

Concen: 20.128 ng

RT: 9.339 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

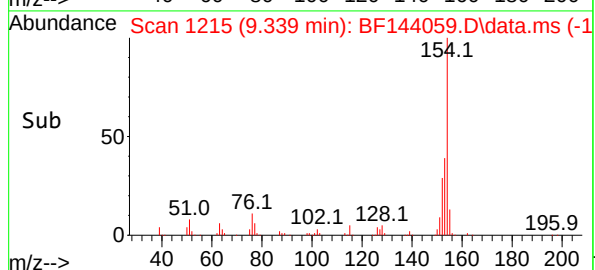
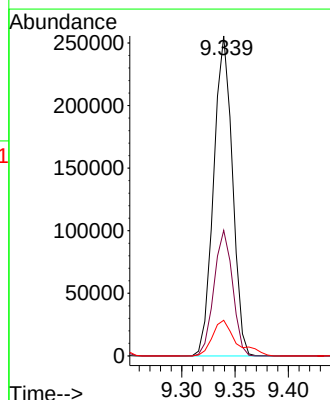
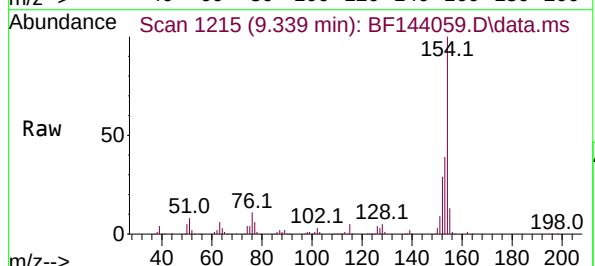
Tgt Ion:154 Resp: 313680

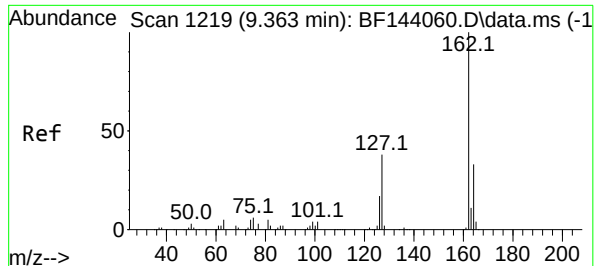
Ion Ratio Lower Upper

154 100

153 39.2 19.7 59.7

76 11.1 0.0 31.1





#47

2-Chloronaphthalene

Concen: 20.561 ng

RT: 9.363 min Scan# 1219

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

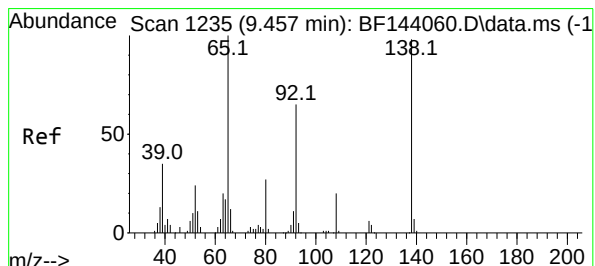
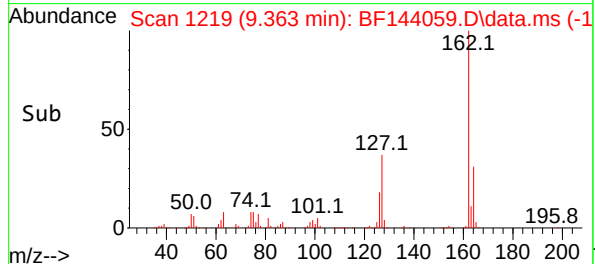
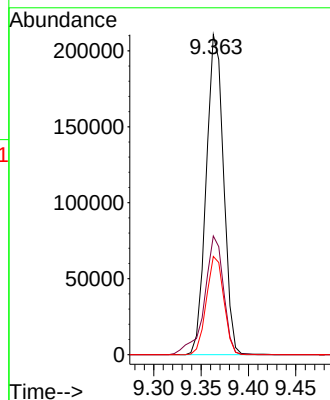
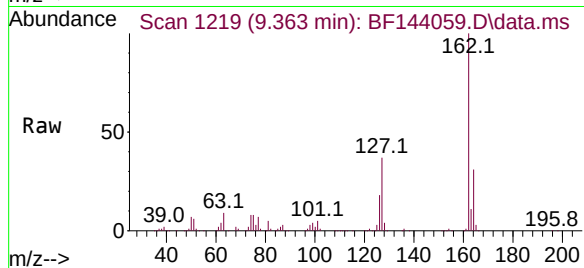
Tgt Ion:162 Resp: 268452

Ion Ratio Lower Upper

162 100

127 37.1 31.6 47.4

164 30.7 26.5 39.7



#48

2-Nitroaniline

Concen: 20.678 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.006 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

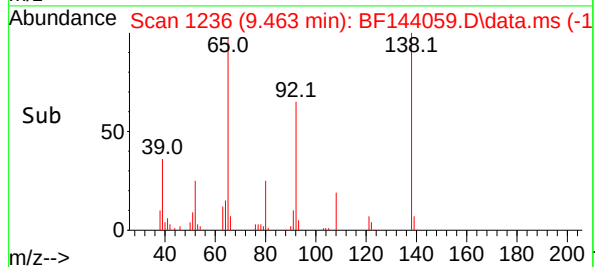
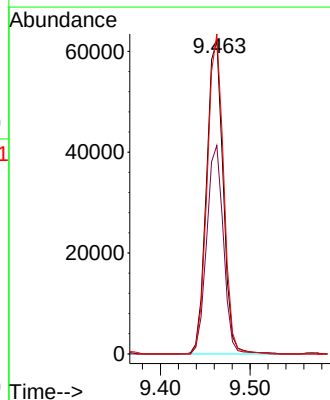
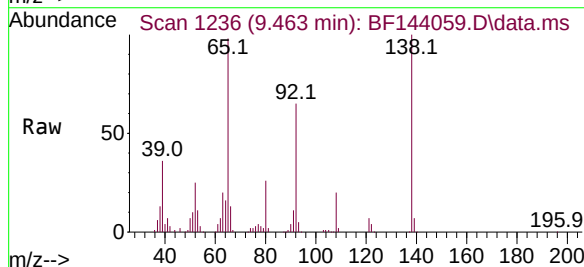
Tgt Ion: 65 Resp: 80171

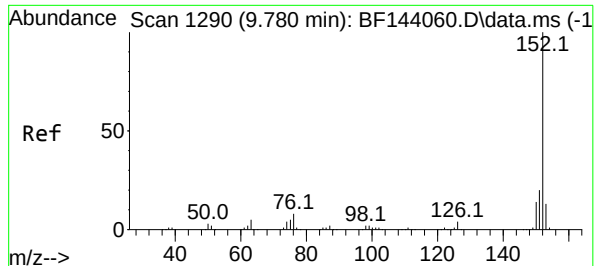
Ion Ratio Lower Upper

65 100

92 66.6 52.3 78.5

138 102.3 78.3 117.5





#49

Acenaphthylene

Concen: 20.575 ng

RT: 9.780 min Scan# 1290

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

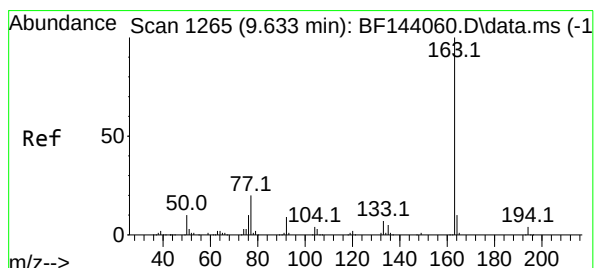
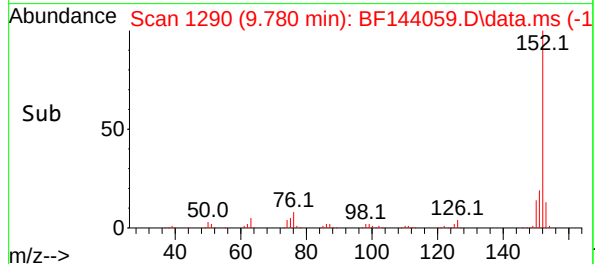
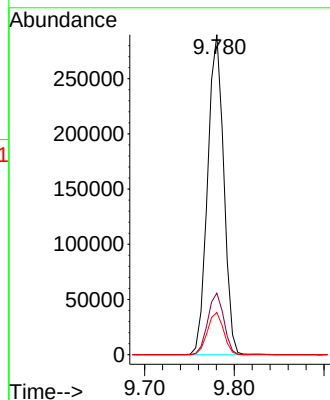
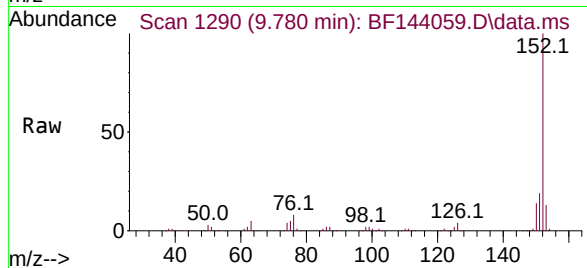
Tgt Ion:152 Resp: 362218

Ion Ratio Lower Upper

152 100

151 19.2 15.9 23.9

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 20.324 ng

RT: 9.633 min Scan# 1265

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

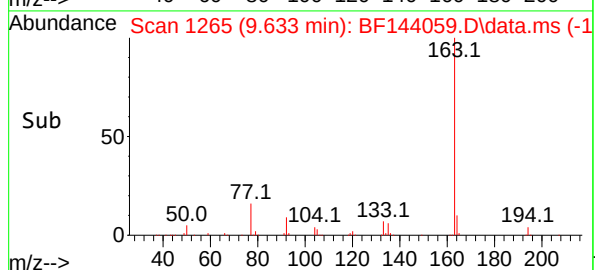
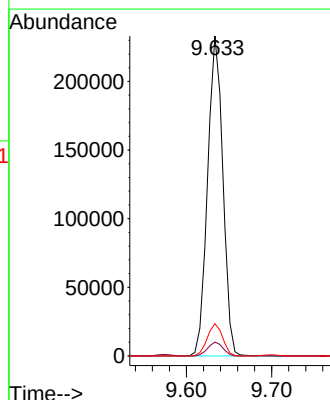
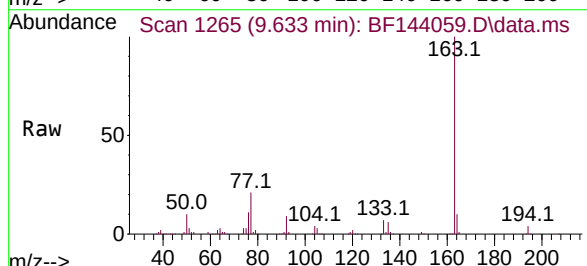
Tgt Ion:163 Resp: 290025

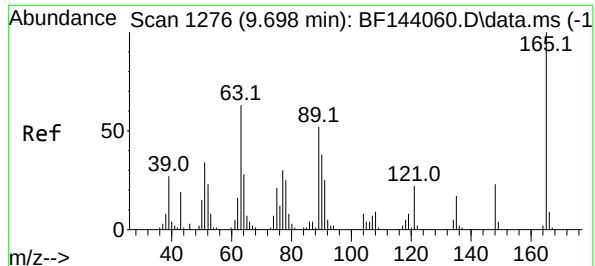
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.1 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 21.235 ng

RT: 9.698 min Scan# 1276

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

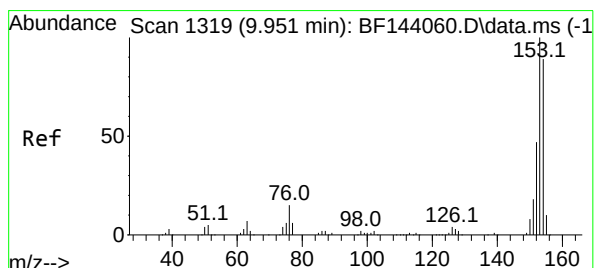
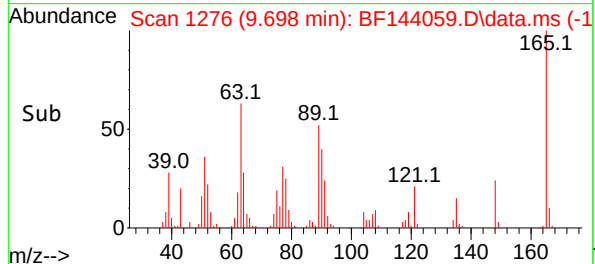
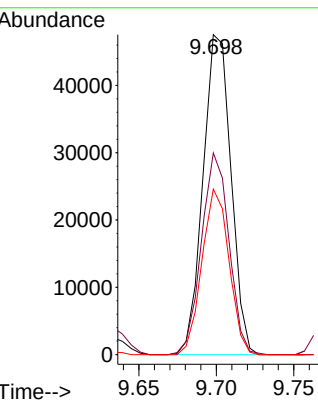
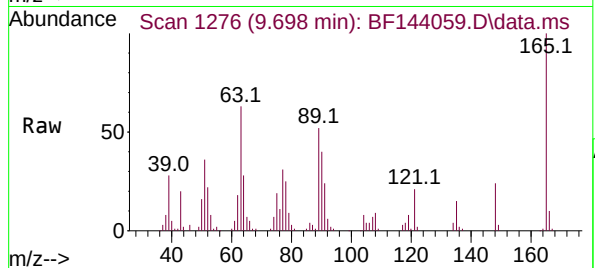
Tgt Ion:165 Resp: 59905

Ion Ratio Lower Upper

165 100

63 63.0 50.4 75.6

89 51.7 41.4 62.2



#52

Acenaphthene

Concen: 21.003 ng

RT: 9.951 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

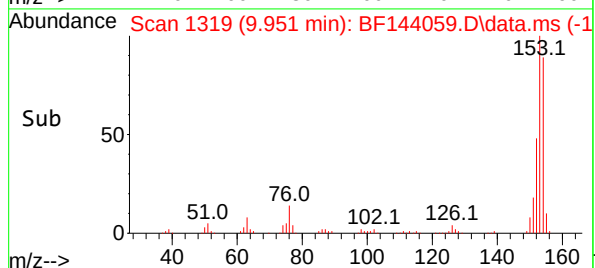
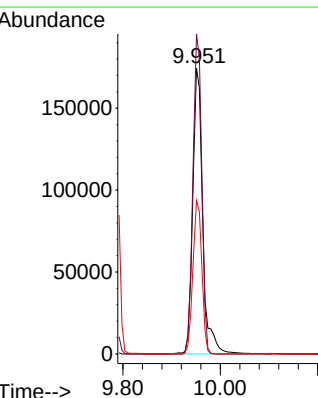
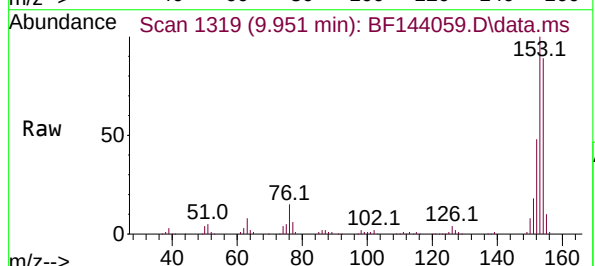
Tgt Ion:154 Resp: 246935

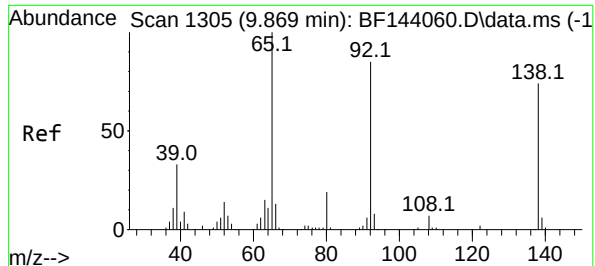
Ion Ratio Lower Upper

154 100

153 112.0 89.9 134.9

152 53.7 42.0 63.0





#53

3-Nitroaniline

Concen: 20.358 ng

RT: 9.875 min Scan# 1306

Delta R.T. 0.006 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

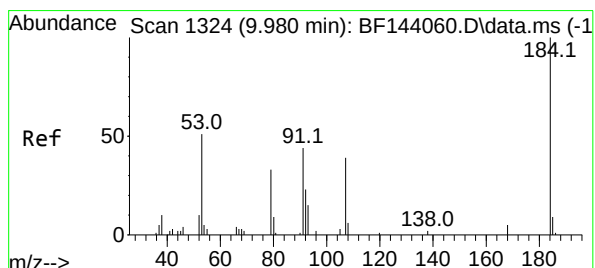
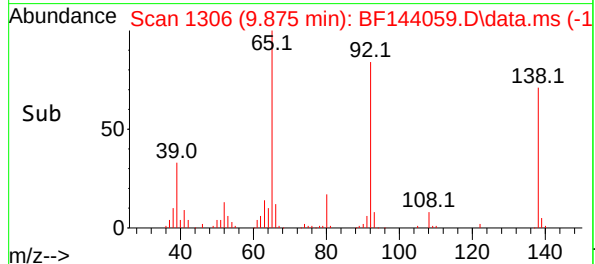
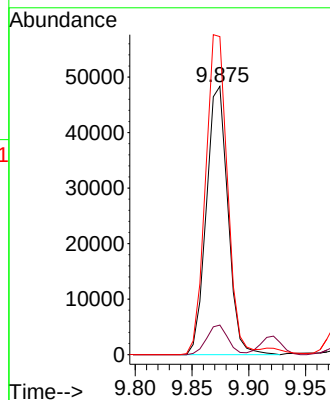
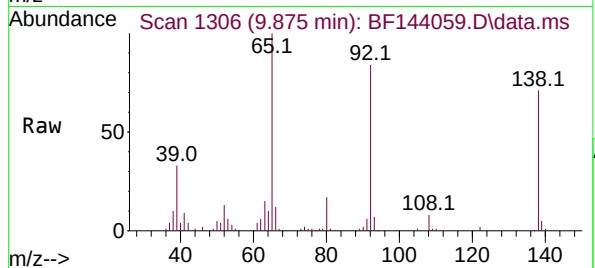
Tgt Ion:138 Resp: 63852

Ion Ratio Lower Upper

138 100

108 11.0 7.9 11.9

92 118.5 92.0 138.0



#54

2,4-Dinitrophenol

Concen: 23.089 ng

RT: 9.980 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

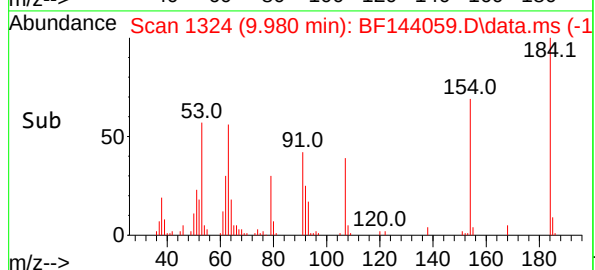
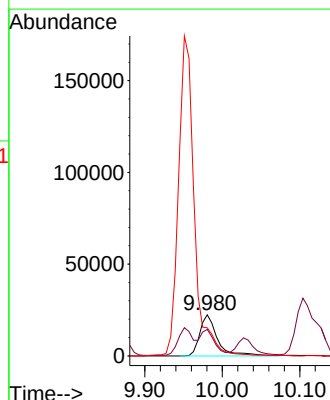
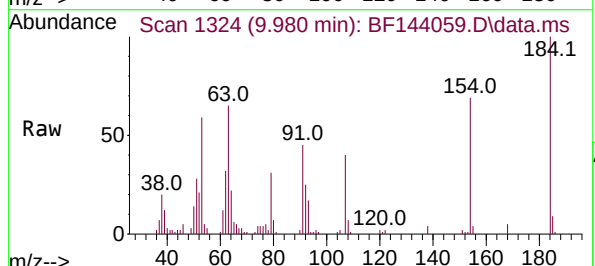
Tgt Ion:184 Resp: 35229

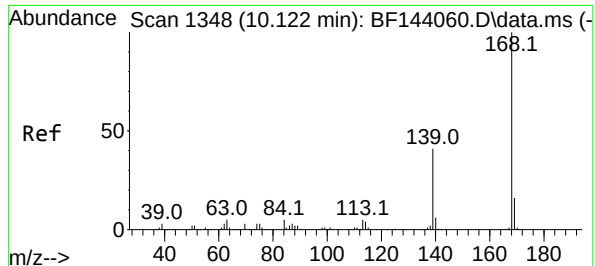
Ion Ratio Lower Upper

184 100

63 64.6 52.1 78.1

154 68.6 47.9 71.9





#55

Dibenzenofuran

Concen: 20.162 ng

RT: 10.127 min Scan# 1348

Delta R.T. 0.006 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

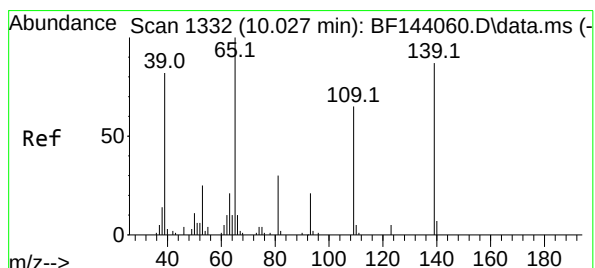
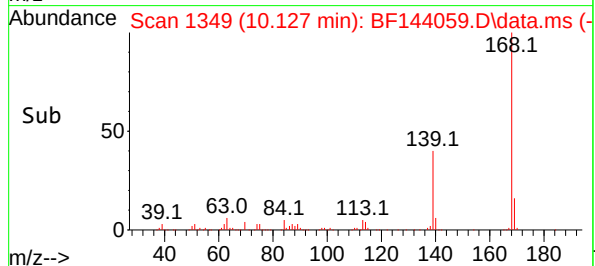
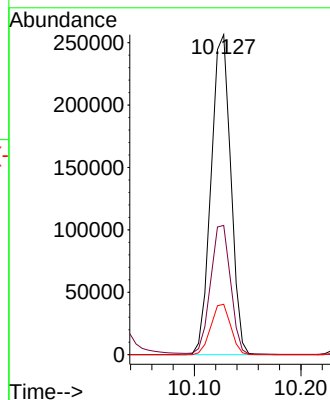
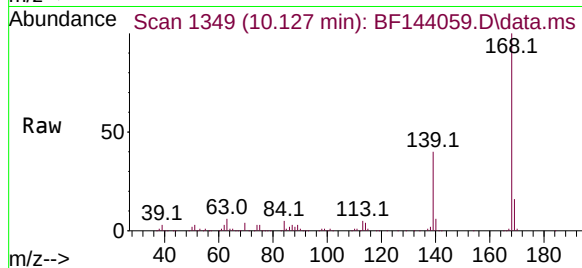
Tgt Ion:168 Resp: 329079

Ion Ratio Lower Upper

168 100

139 40.4 33.2 49.8

169 15.7 12.6 19.0



#56

4-Nitrophenol

Concen: 20.402 ng

RT: 10.027 min Scan# 1332

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

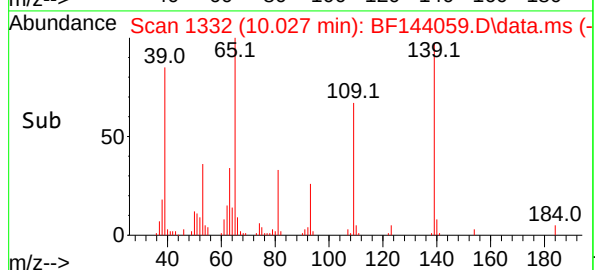
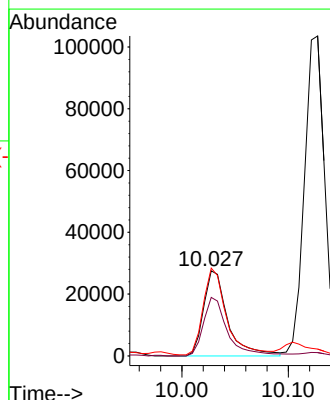
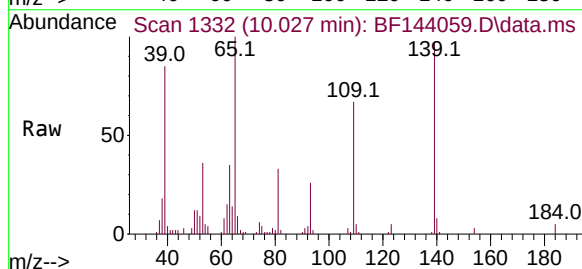
Tgt Ion:139 Resp: 43333

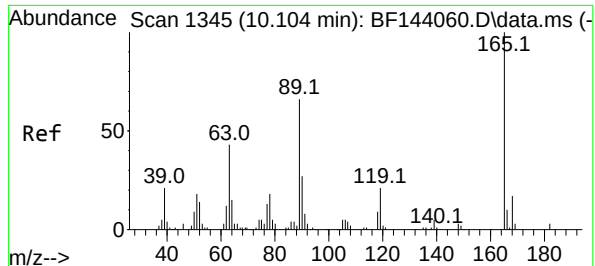
Ion Ratio Lower Upper

139 100

109 68.6 53.8 93.8

65 103.2 95.9 135.9

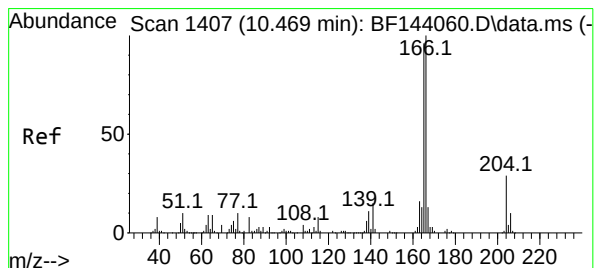
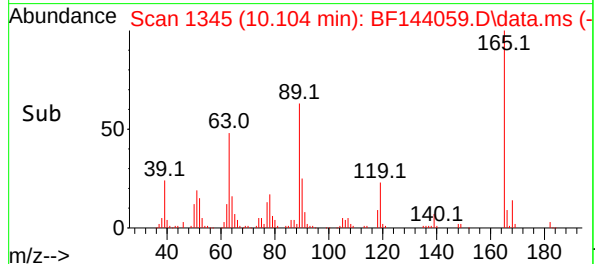
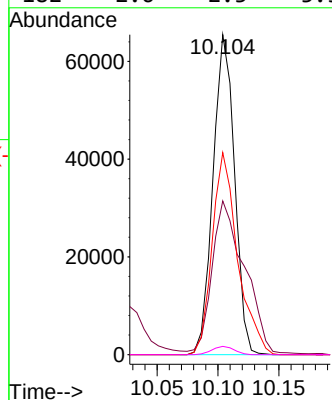
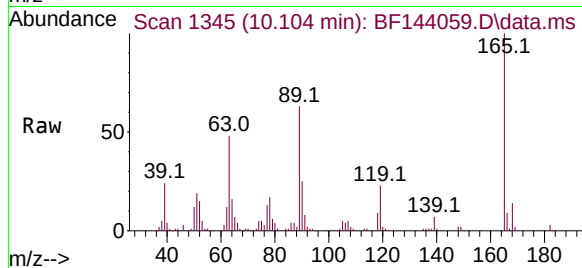




#57
2,4-Dinitrotoluene
Concen: 21.160 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

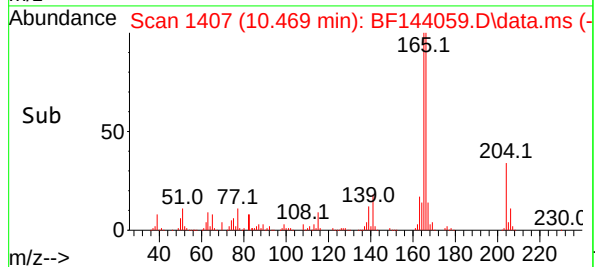
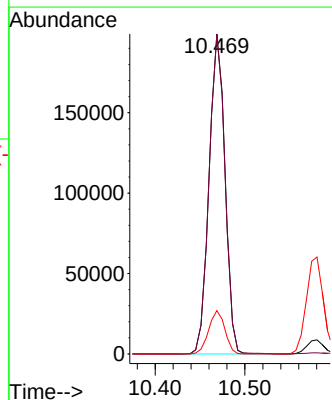
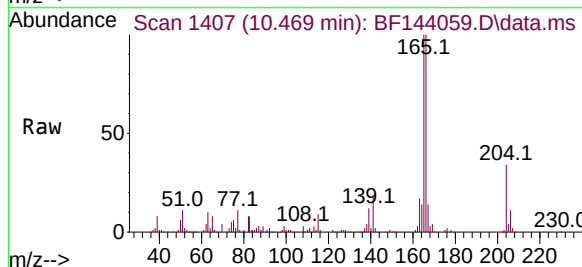
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

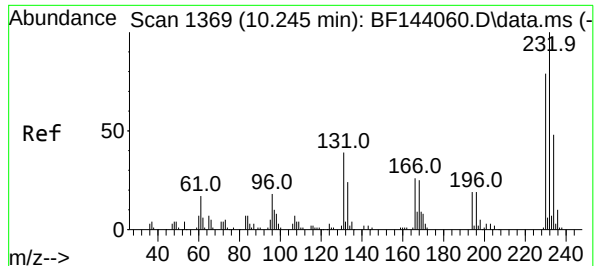
Tgt Ion:	165	Resp:	80566
Ion Ratio	Lower	Upper	
165	100		
63	48.1	35.4	53.2
89	63.1	52.7	79.1
182	2.6	2.3	3.5



#58
Fluorene
Concen: 19.841 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:	166	Resp:	246753
Ion Ratio	Lower	Upper	
166	100		
165	99.8	77.0	115.4
167	13.5	10.2	15.4

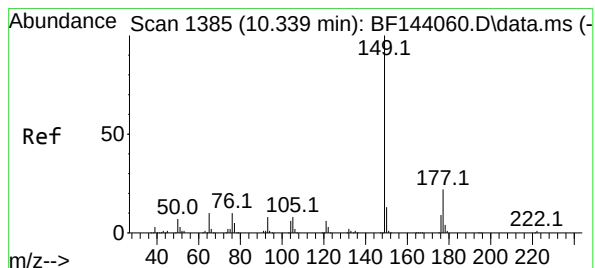
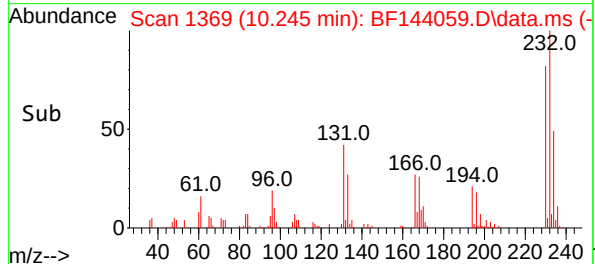
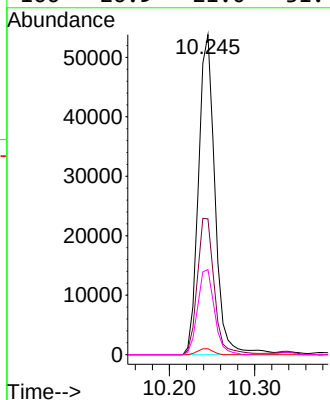
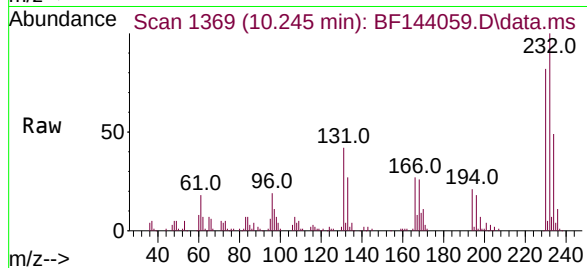




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.172 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

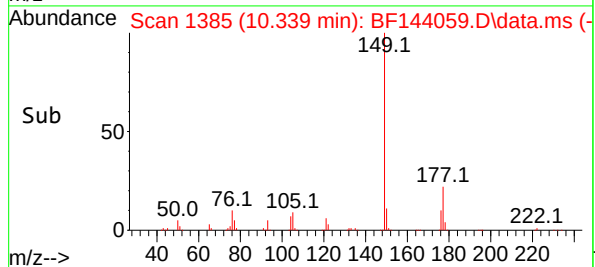
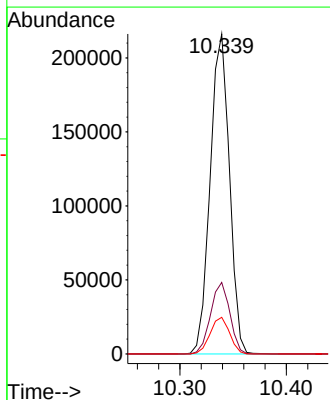
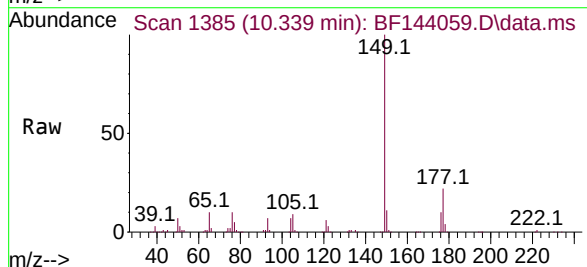
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

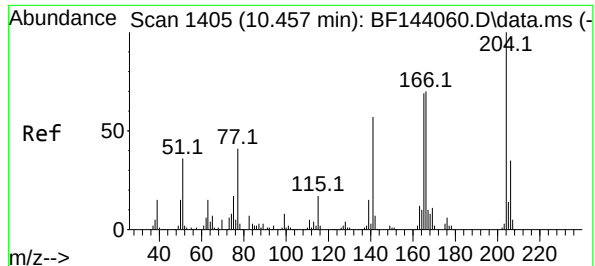
Tgt Ion:232 Resp: 72554
Ion Ratio Lower Upper
232 100
131 43.5 31.9 47.9
130 1.7 1.1 1.7#
166 26.9 21.0 31.4



#60
Diethylphthalate
Concen: 20.184 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:149 Resp: 270864
Ion Ratio Lower Upper
149 100
177 22.3 17.8 26.6
150 11.4 10.1 15.1

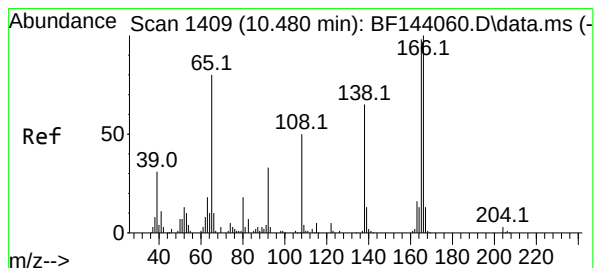
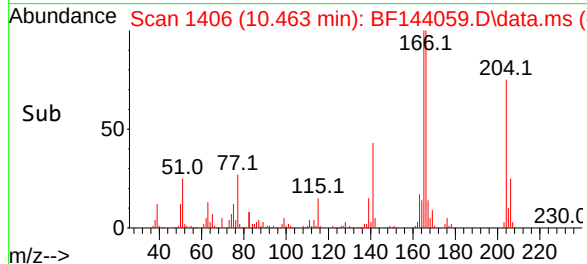
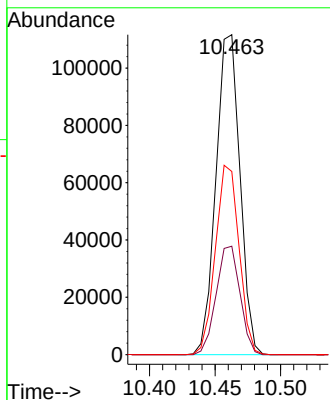
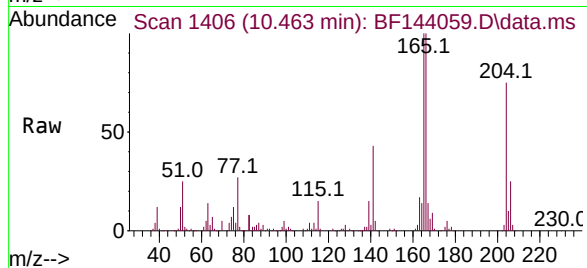




#61
4-Chlorophenyl-phenylether
Concen: 20.406 ng
RT: 10.463 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

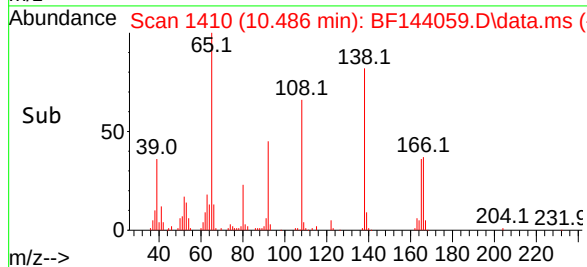
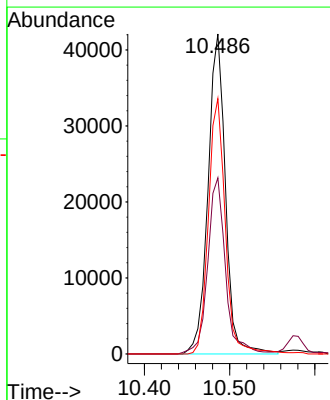
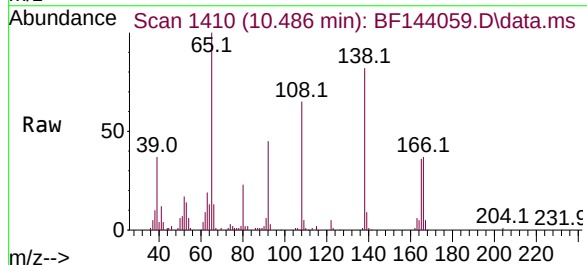
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

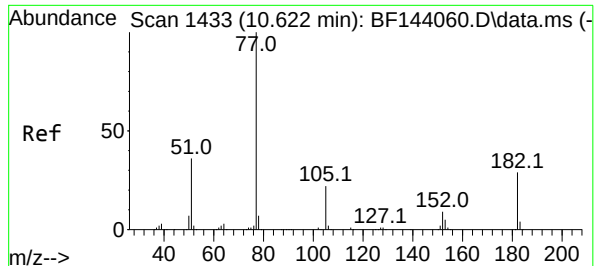
Tgt Ion:204 Resp: 142719
Ion Ratio Lower Upper
204 100
206 33.9 27.8 41.6
141 57.2 45.4 68.2



#62
4-Nitroaniline
Concen: 20.157 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:138 Resp: 59903
Ion Ratio Lower Upper
138 100
92 55.0 30.5 70.5
108 79.8 56.2 96.2

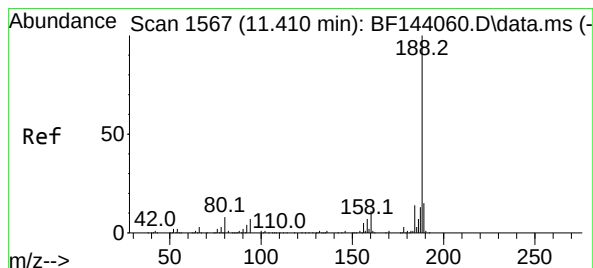
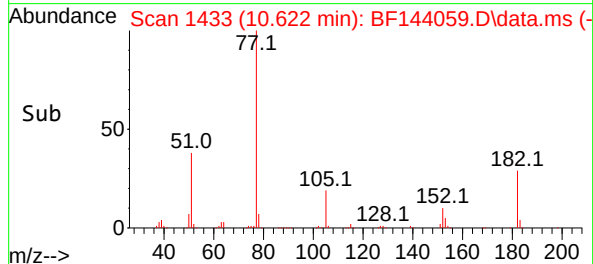
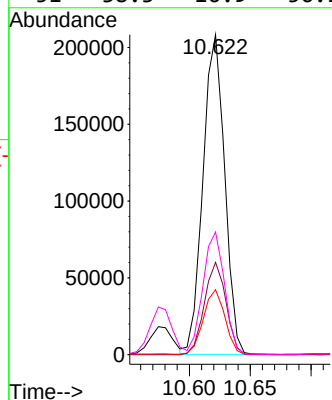
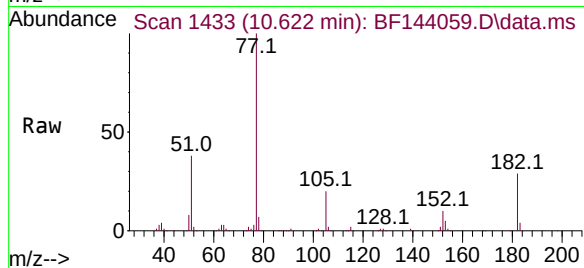




#63
Azobenzene
Concen: 20.346 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

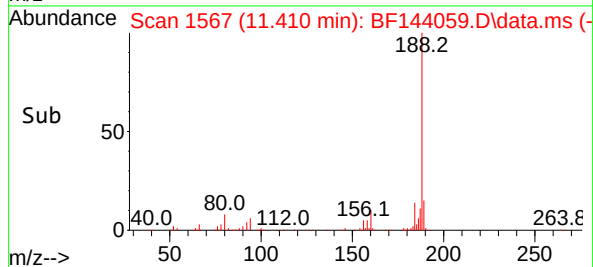
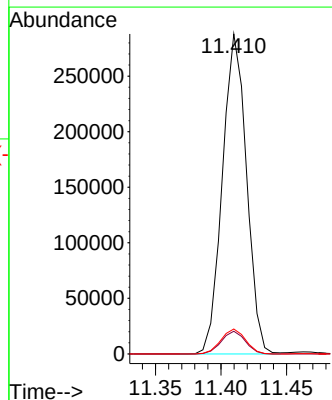
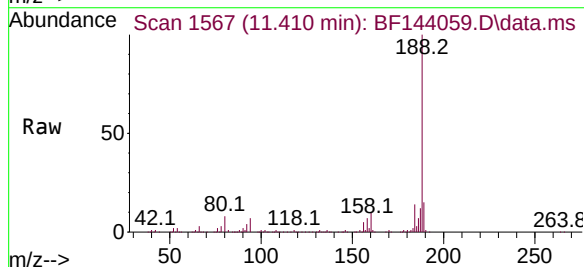
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

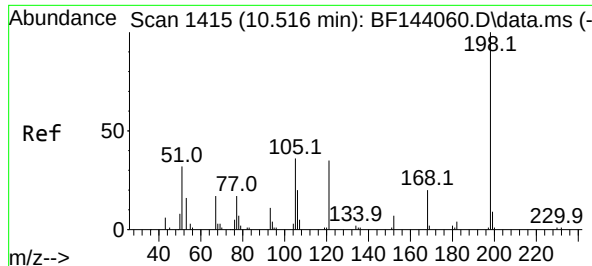
Tgt Ion: 77 Resp: 258435
Ion Ratio Lower Upper
77 100
182 28.8 9.0 49.0
105 20.3 1.4 41.4
51 38.3 16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion: 188 Resp: 369584
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.0
80 7.8 6.0 9.0

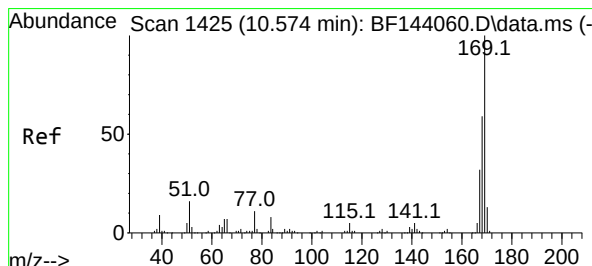
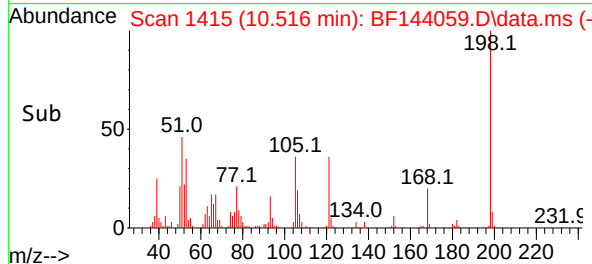
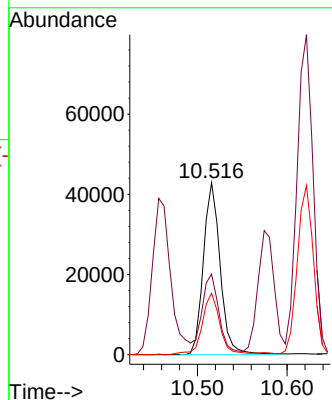
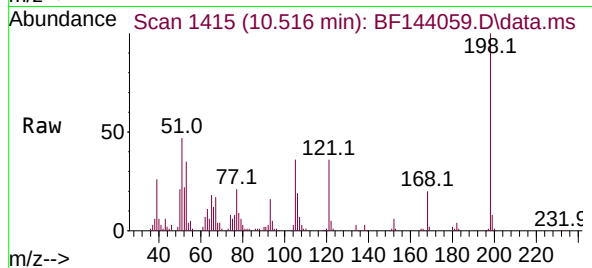




#65
4,6-Dinitro-2-methylphenol
Concen: 23.553 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

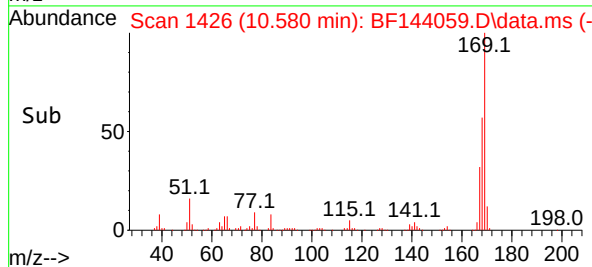
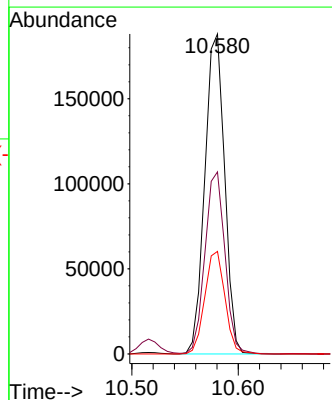
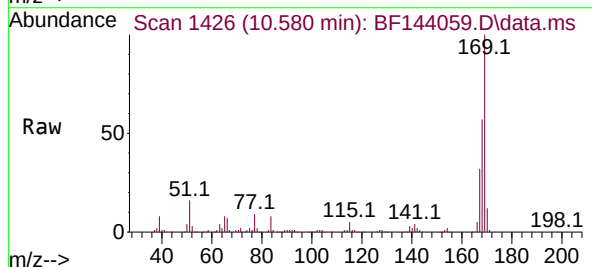
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

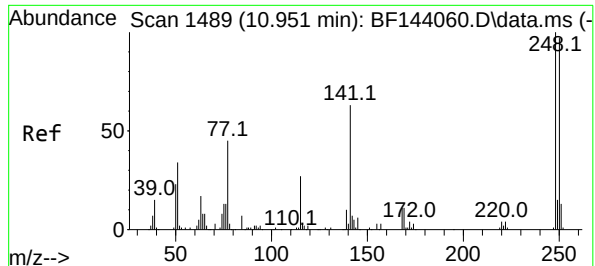
Tgt Ion:198 Resp: 55850
Ion Ratio Lower Upper
198 100
51 46.8 25.8 65.8
105 35.7 17.2 57.2



#66
n-Nitrosodiphenylamine
Concen: 20.563 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:169 Resp: 242811
Ion Ratio Lower Upper
169 100
168 56.9 47.4 71.2
167 32.0 25.5 38.3

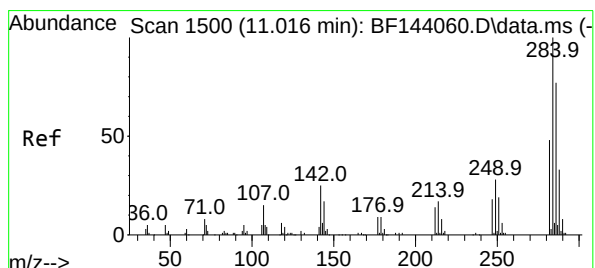
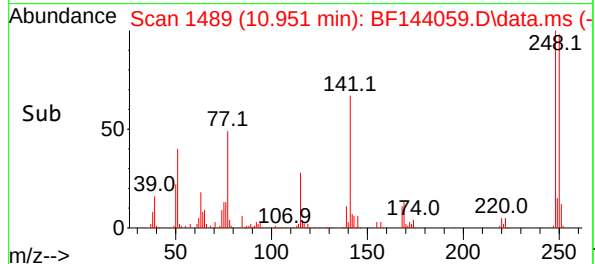
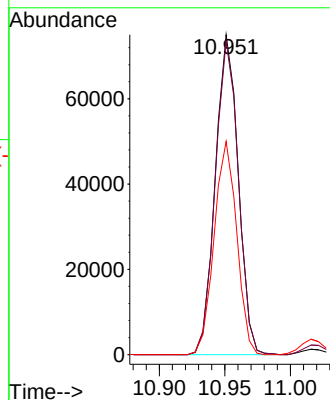
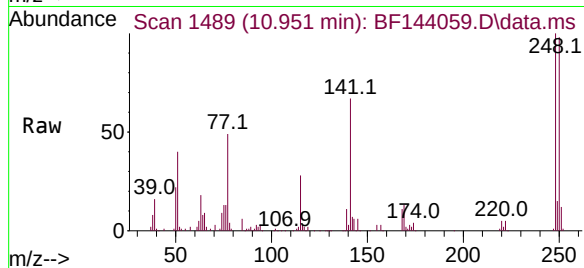




#67
4-Bromophenyl-phenylether
Concen: 19.753 ng
RT: 10.951 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

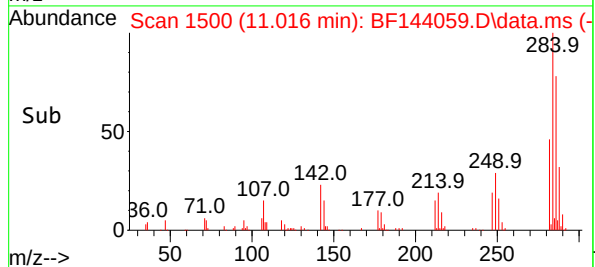
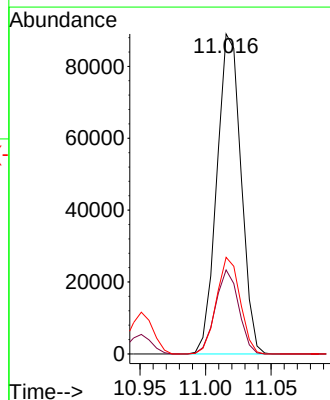
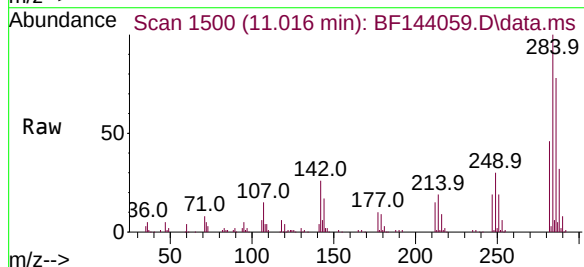
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

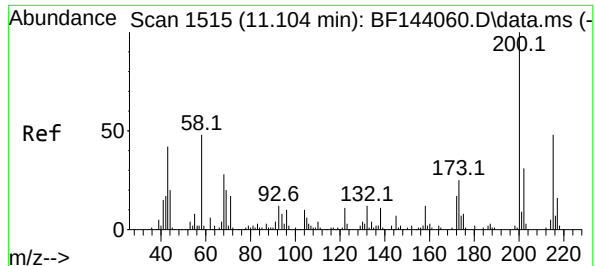
Tgt Ion:248 Resp: 91405
Ion Ratio Lower Upper
248 100
250 98.0 77.8 116.6
141 66.6 50.5 75.7



#68
Hexachlorobenzene
Concen: 20.141 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:284 Resp: 114304
Ion Ratio Lower Upper
284 100
142 26.3 20.0 30.0
249 30.2 22.2 33.2





#69

Atrazine

Concen: 20.818 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

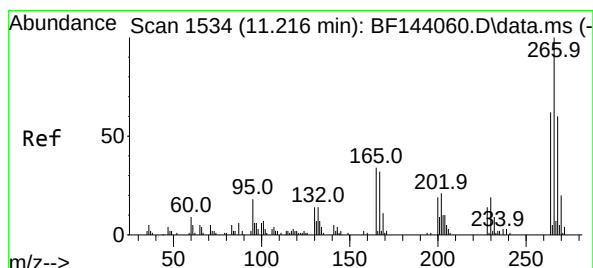
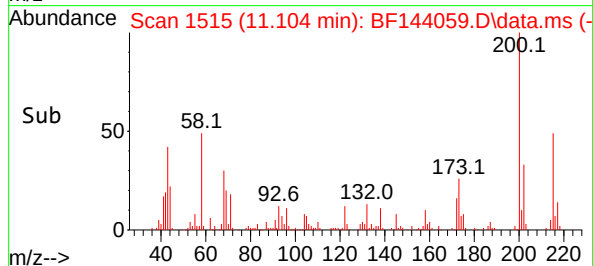
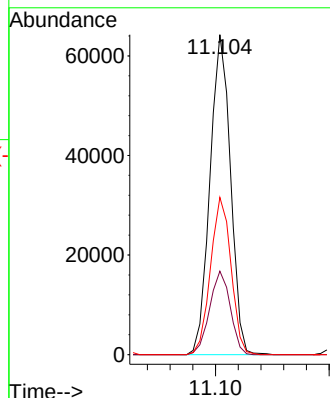
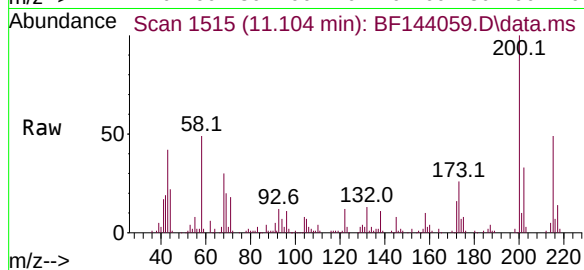
Tgt Ion:200 Resp: 80666

Ion Ratio Lower Upper

200 100

173 26.1 4.9 44.9

215 49.1 28.2 68.2



#70

Pentachlorophenol

Concen: 20.449 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

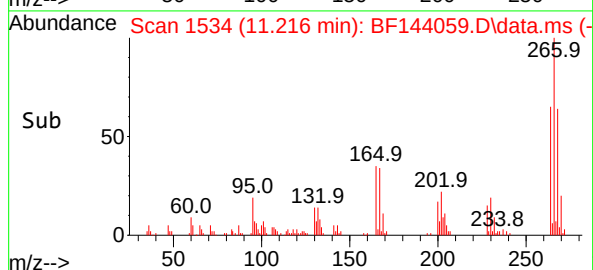
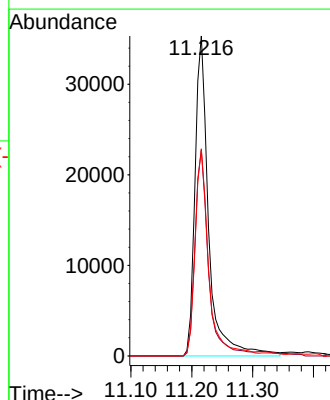
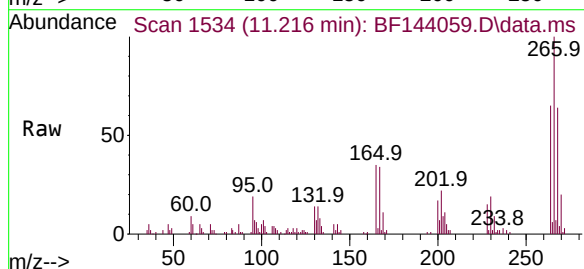
Tgt Ion:266 Resp: 55240

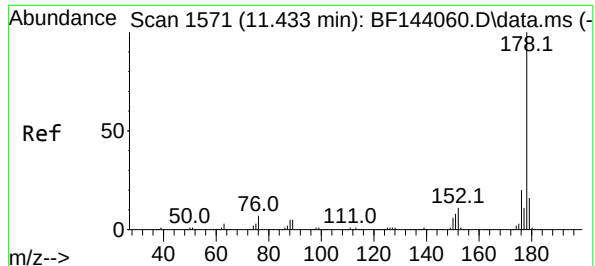
Ion Ratio Lower Upper

266 100

268 64.3 48.2 72.4

264 64.7 49.4 74.0

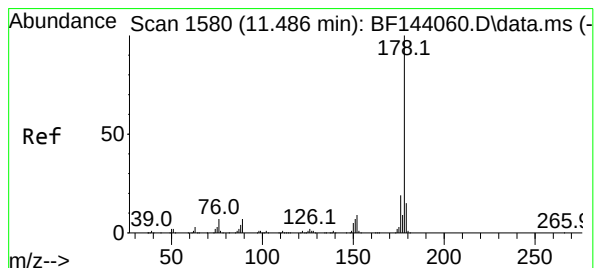
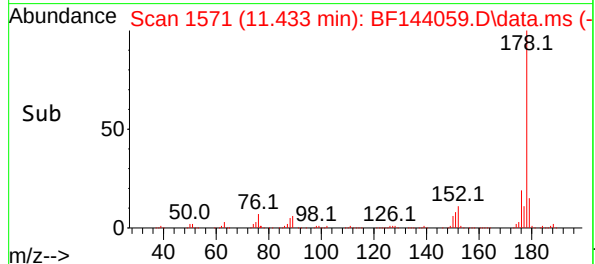
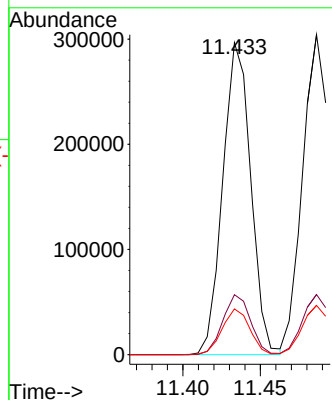
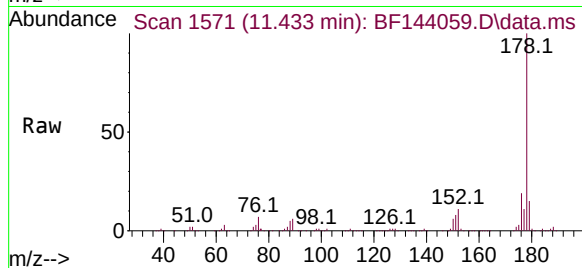




#71
Phenanthrene
Concen: 20.315 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

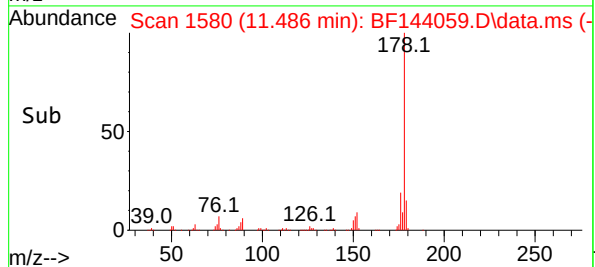
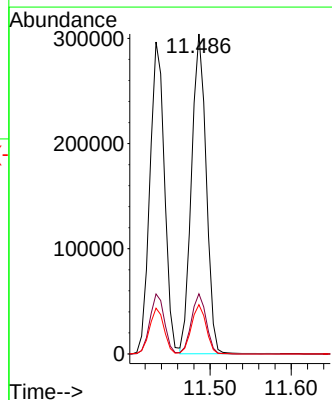
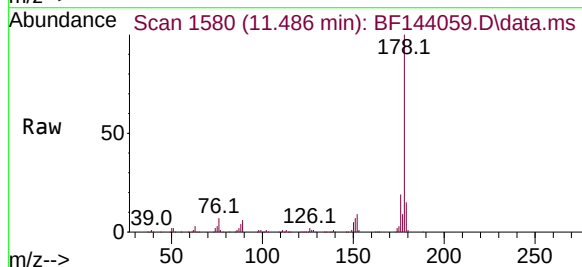
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

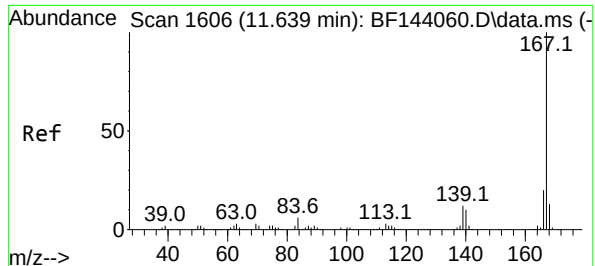
Tgt Ion:178 Resp: 372967
Ion Ratio Lower Upper
178 100
176 19.2 16.3 24.5
179 14.6 12.6 18.8



#72
Anthracene
Concen: 20.060 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:178 Resp: 380455
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.4 11.8 17.6

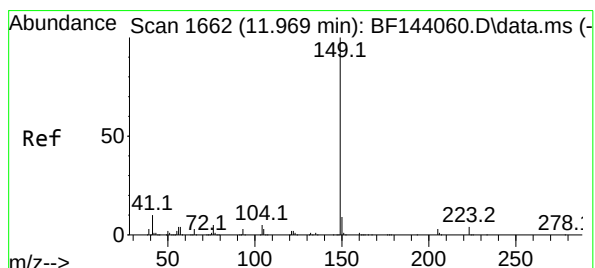
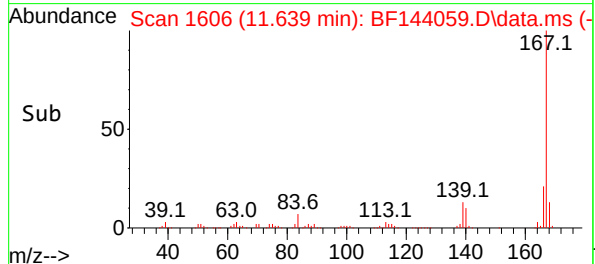
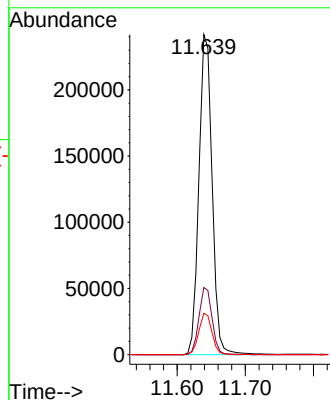
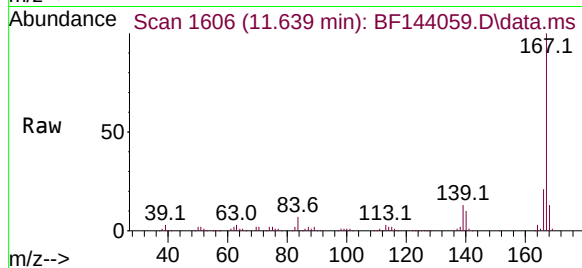




#73
Carbazole
Concen: 20.225 ng
RT: 11.639 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

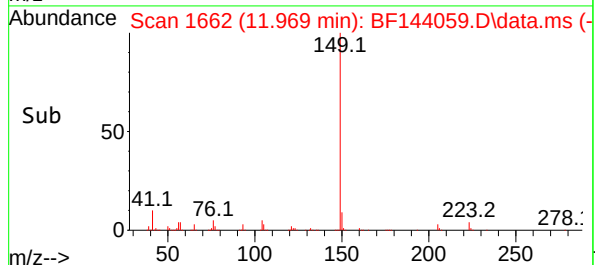
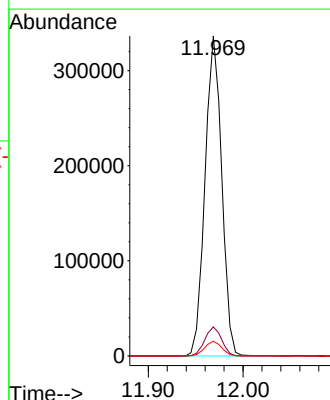
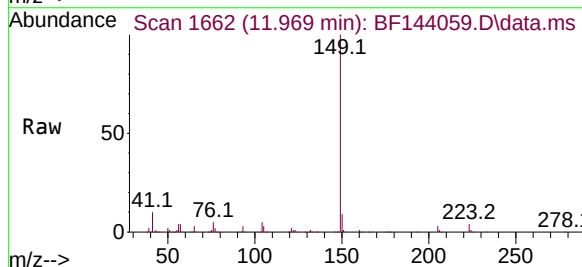
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

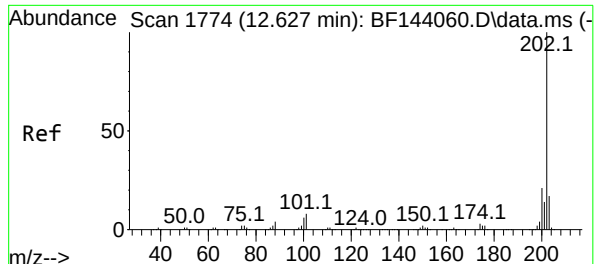
Tgt Ion:167 Resp: 326491
Ion Ratio Lower Upper
167 100
166 21.0 16.1 24.1
139 12.9 9.8 14.6



#74
Di-n-butylphthalate
Concen: 20.841 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:149 Resp: 412471
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 4.6 3.6 5.4

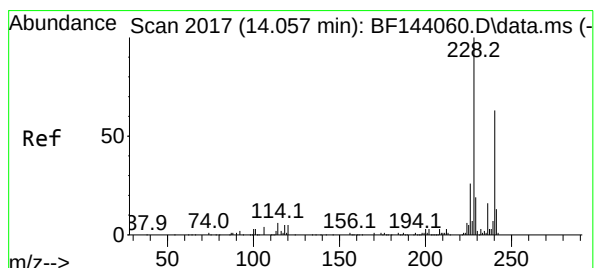
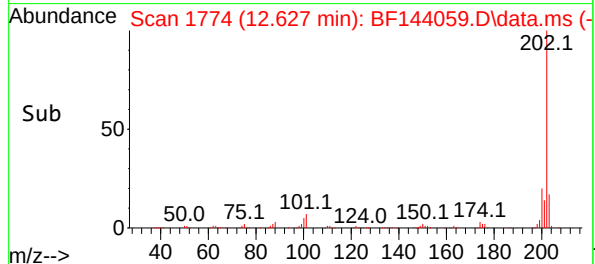
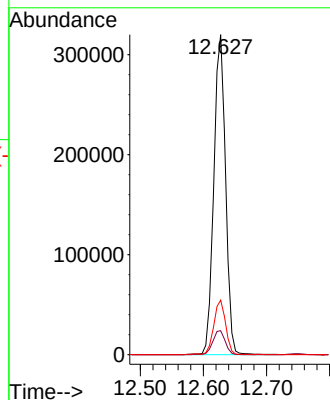
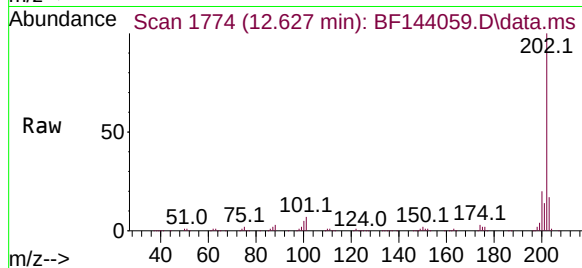




#75
Fluoranthene
Concen: 20.430 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

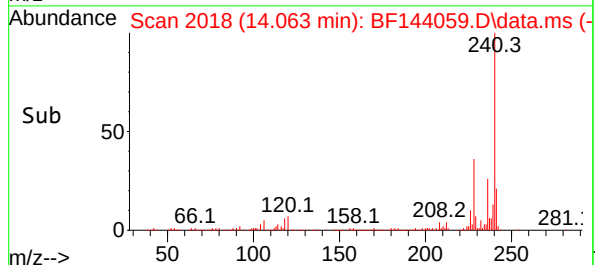
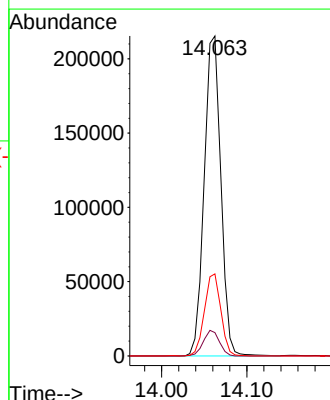
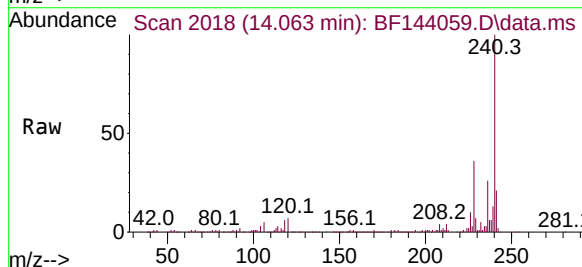
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

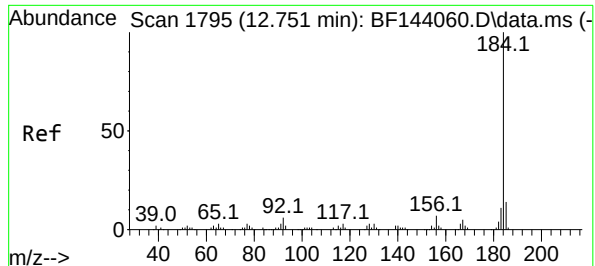
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	27.7
203	17.0	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.5	9.7
236	25.6	20.1	30.1





#77

Benzidine

Concen: 19.736 ng

RT: 12.751 min Scan# 1795

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

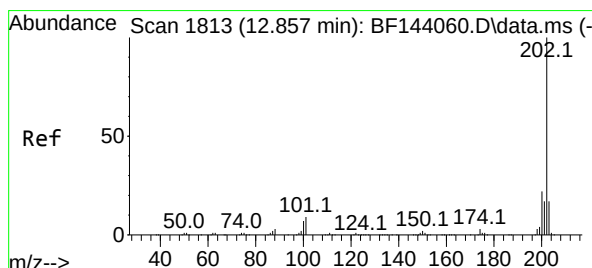
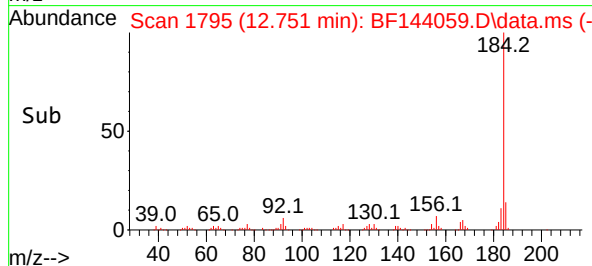
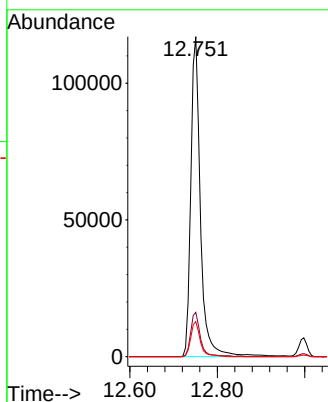
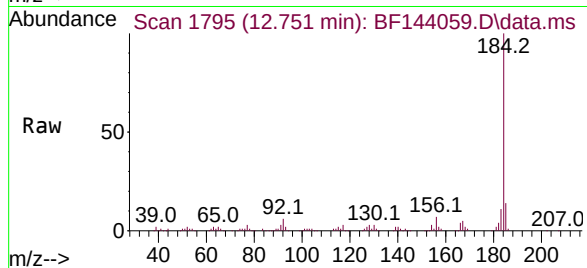
Tgt Ion:184 Resp: 179581

Ion Ratio Lower Upper

184 100

185 13.8 11.6 17.4

183 10.9 8.5 12.7



#78

Pyrene

Concen: 19.831 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

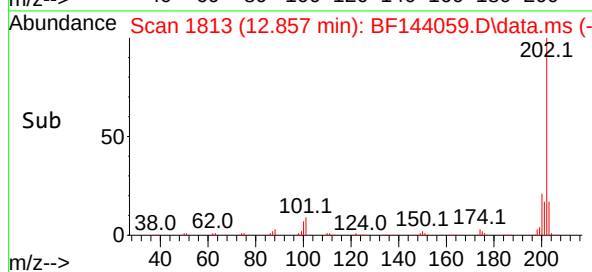
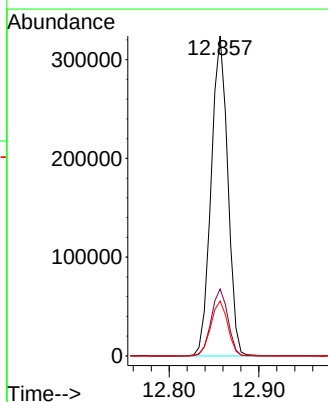
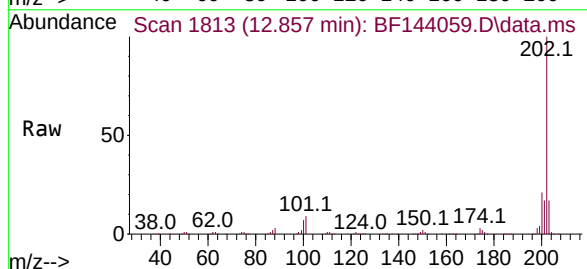
Tgt Ion:202 Resp: 416839

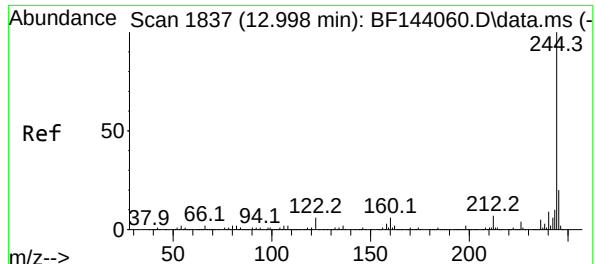
Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

203 17.1 13.5 20.3





#79

Terphenyl-d14

Concen: 39.189 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

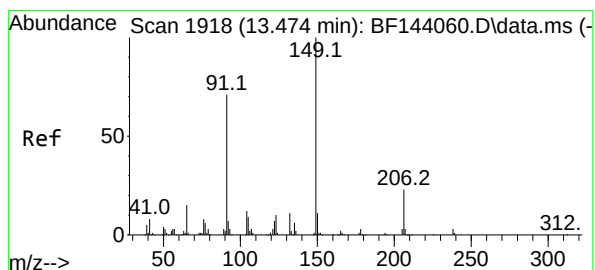
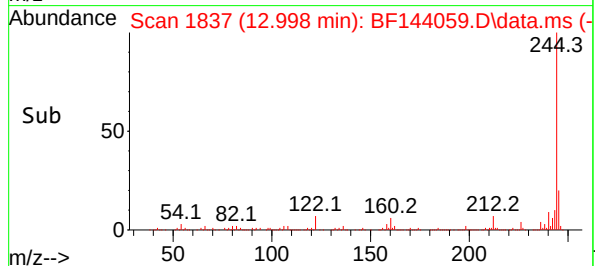
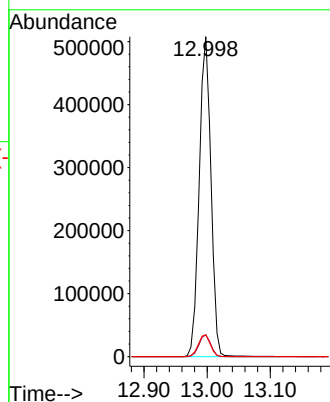
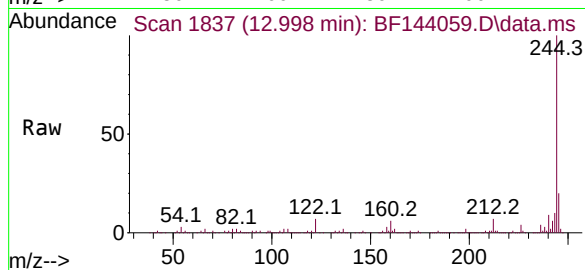
Tgt Ion:244 Resp: 655393

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 6.8 4.9 7.3



#80

Butylbenzylphthalate

Concen: 20.827 ng

RT: 13.474 min Scan# 1918

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

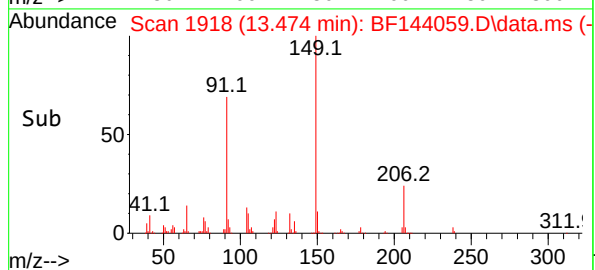
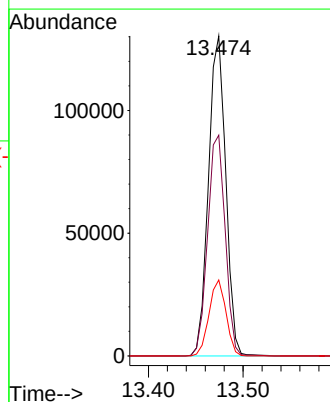
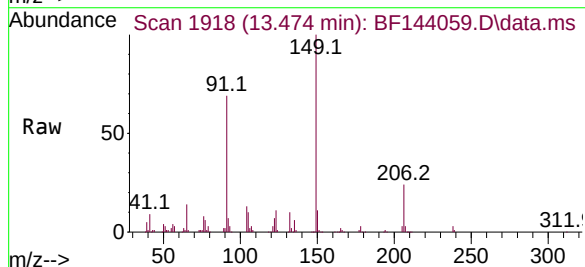
Tgt Ion:149 Resp: 165613

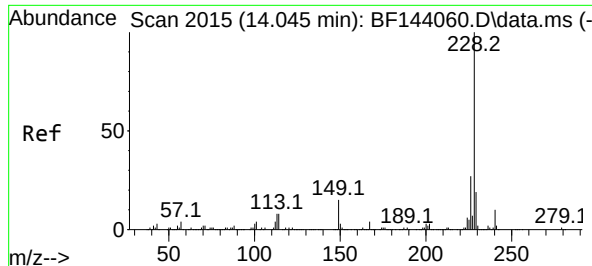
Ion Ratio Lower Upper

149 100

91 69.0 56.6 84.8

206 23.7 18.3 27.5

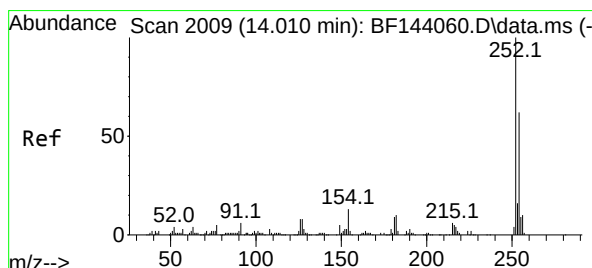
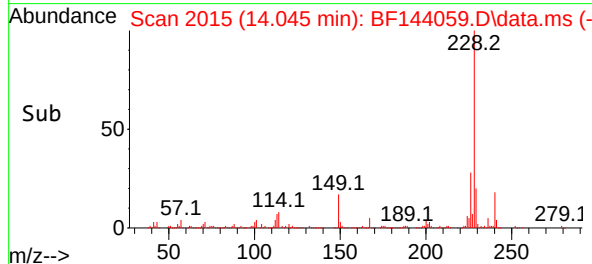
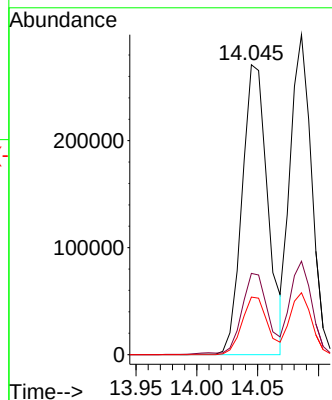
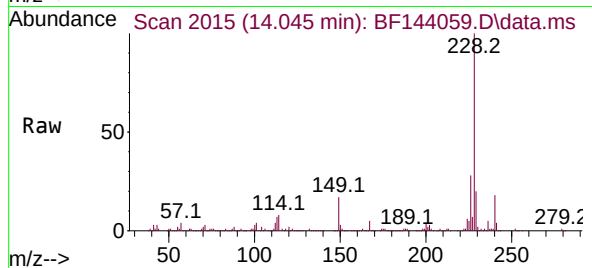




#81
Benzo(a)anthracene
Concen: 20.114 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

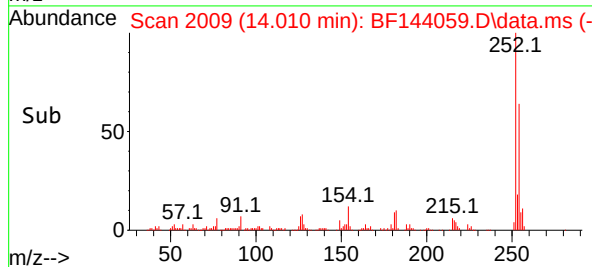
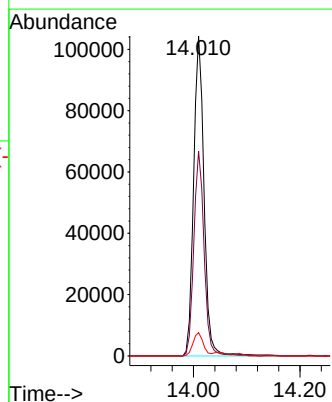
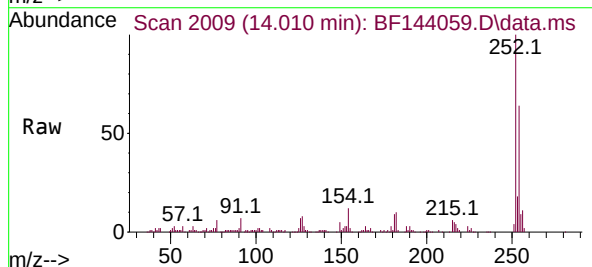
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

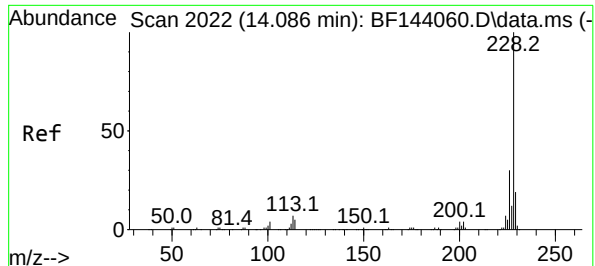
Tgt Ion:228 Resp: 397414
Ion Ratio Lower Upper
228 100
226 28.0 21.4 32.2
229 19.9 15.3 22.9



#82
3,3'-Dichlorobenzidine
Concen: 20.599 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:252 Resp: 141681
Ion Ratio Lower Upper
252 100
254 64.0 49.9 74.9
126 7.3 6.5 9.7





#83

Chrysene

Concen: 19.753 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

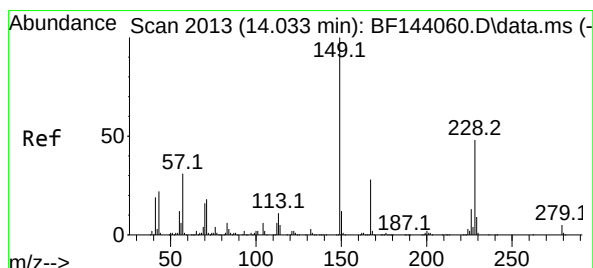
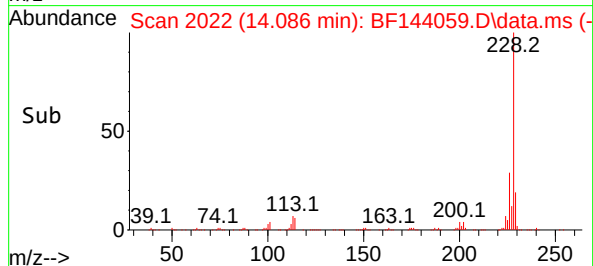
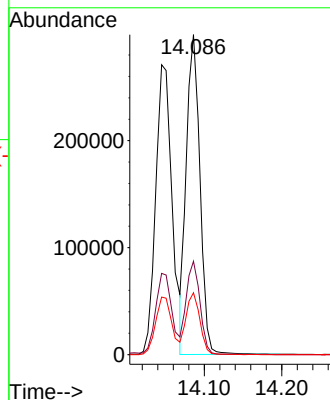
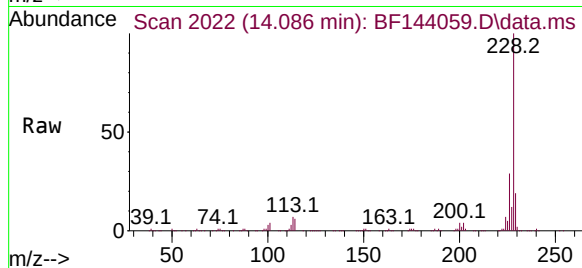
Tgt Ion:228 Resp: 366241

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.6

229 19.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.491 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

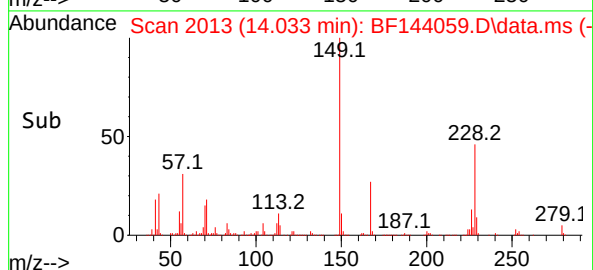
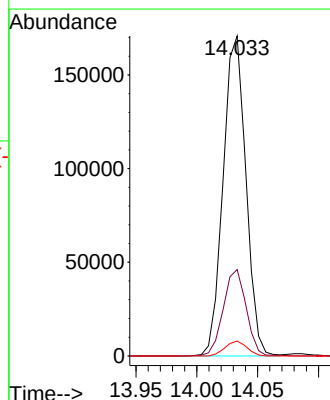
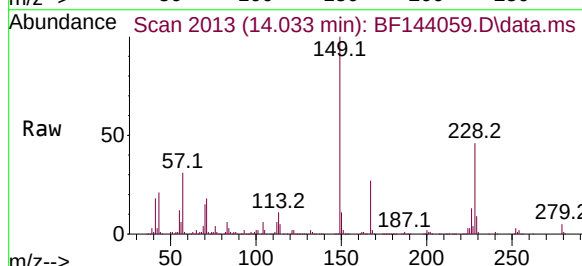
Tgt Ion:149 Resp: 222446

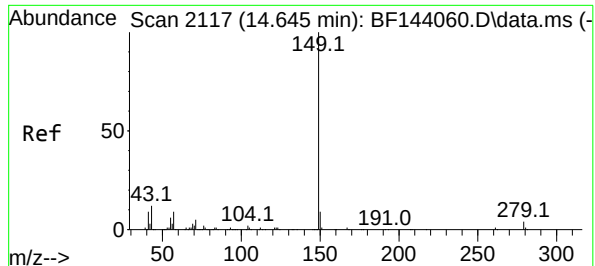
Ion Ratio Lower Upper

149 100

167 27.0 22.5 33.7

279 4.6 3.6 5.4

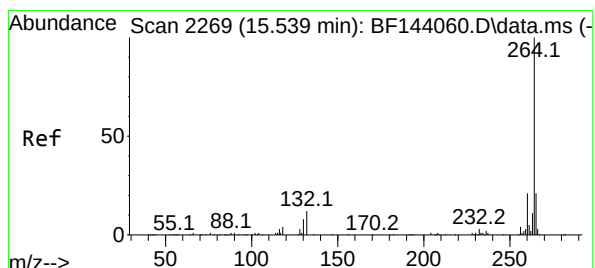
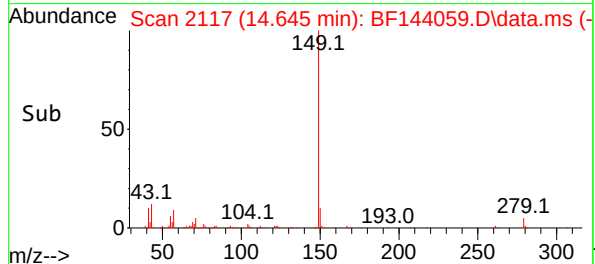
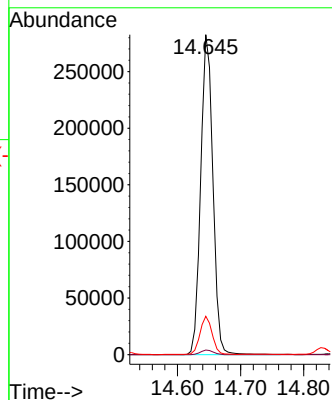
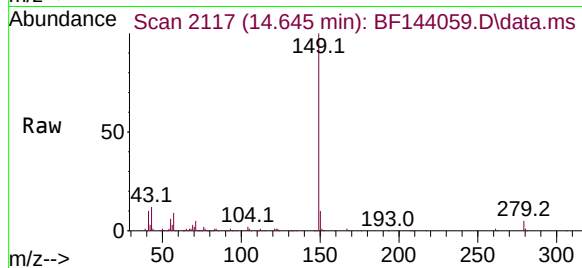




#85
Di-n-octyl phthalate
Concen: 20.284 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

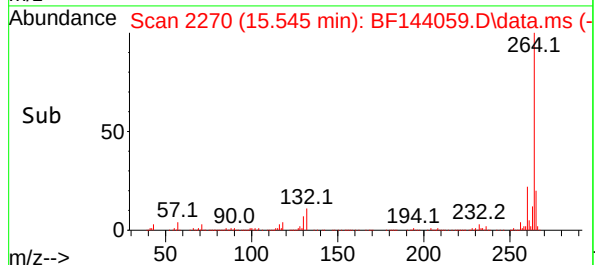
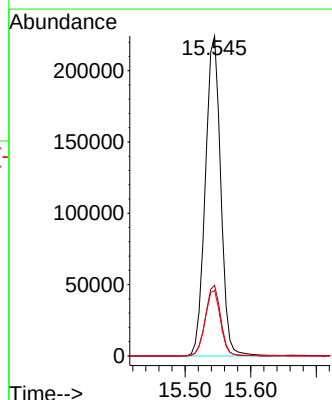
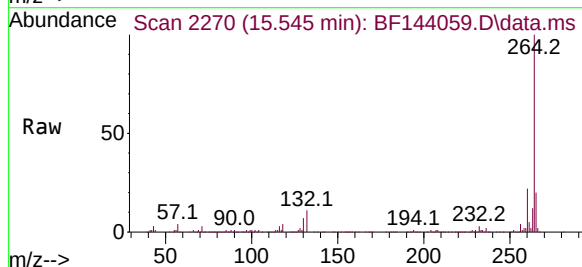
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

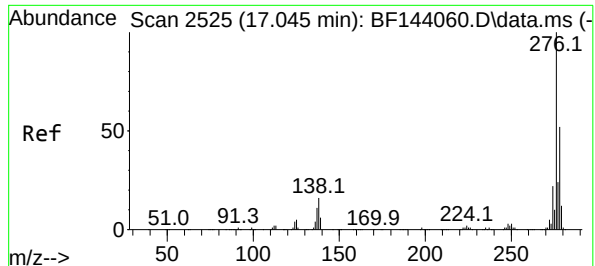
Tgt Ion:149 Resp: 378673
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.2 9.3 13.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF144059.D
Acq: 24 Oct 2025 12:36

Tgt Ion:264 Resp: 364339
Ion Ratio Lower Upper
264 100
260 22.0 17.0 25.4
265 20.4 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.307 ng

RT: 17.045 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

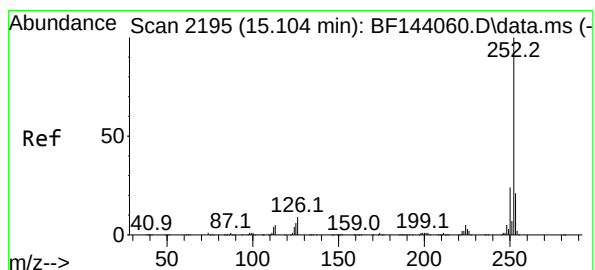
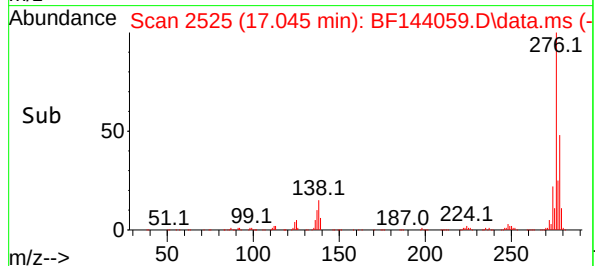
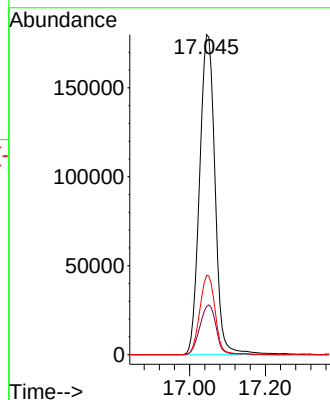
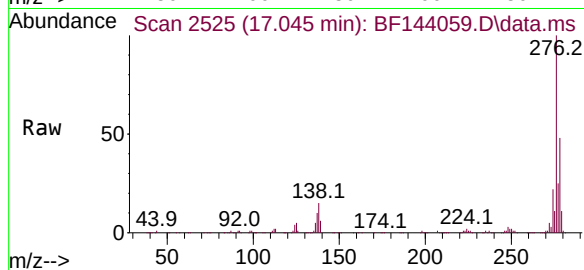
Tgt Ion:276 Resp: 507947

Ion Ratio Lower Upper

276 100

138 16.3 13.0 19.6

277 24.5 19.4 29.0



#88

Benzo(b)fluoranthene

Concen: 20.396 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

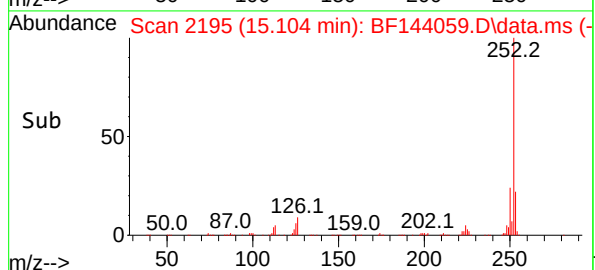
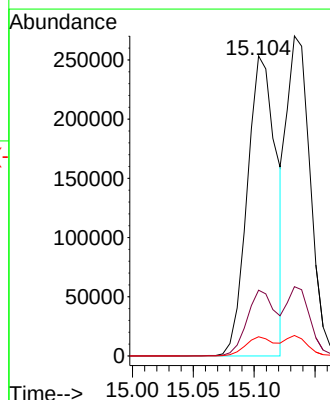
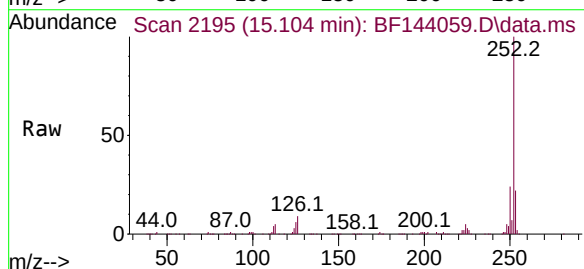
Tgt Ion:252 Resp: 420103

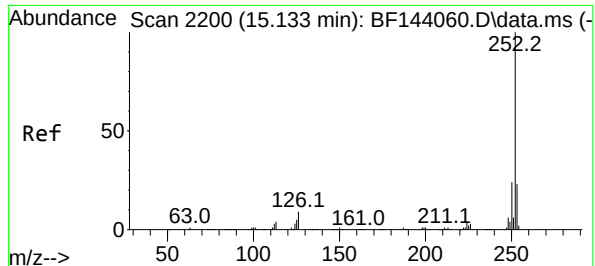
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 6.4 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 19.372 ng

RT: 15.133 min Scan# 2200

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

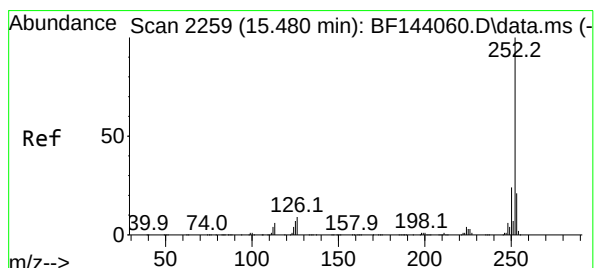
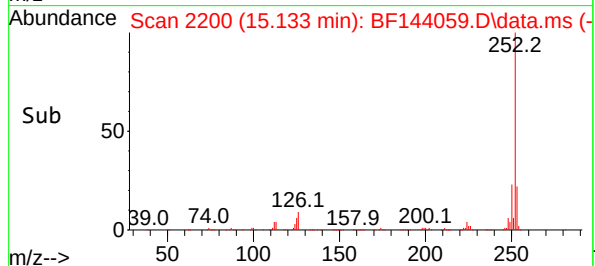
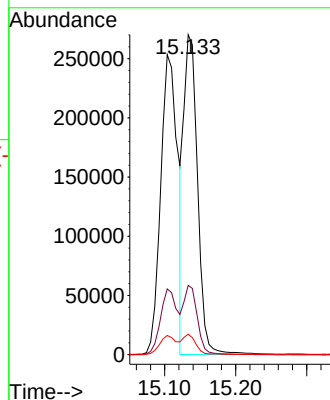
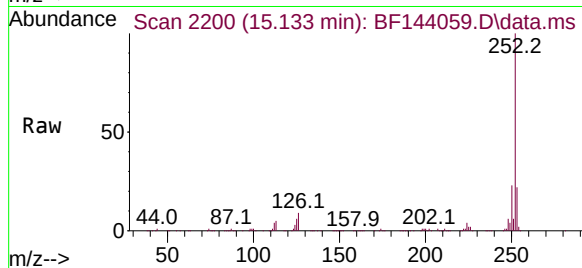
Tgt Ion:252 Resp: 368139

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 6.4 4.9 7.3



#90

Benzo(a)pyrene

Concen: 20.423 ng

RT: 15.480 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

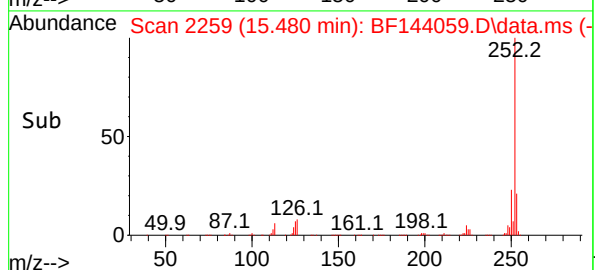
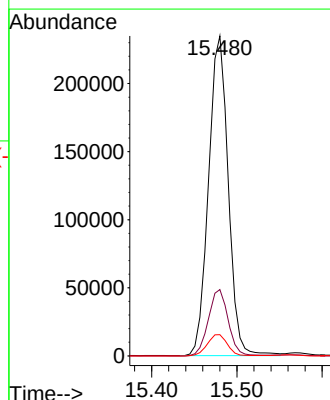
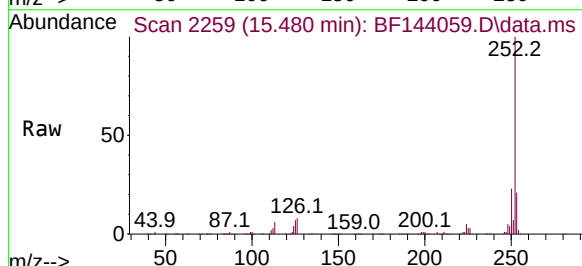
Tgt Ion:252 Resp: 377387

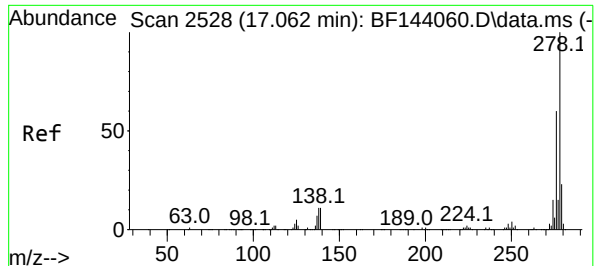
Ion Ratio Lower Upper

252 100

253 20.7 17.1 25.7

125 6.6 5.4 8.2





#91

Dibenzo(a,h)anthracene

Concen: 20.364 ng

RT: 17.062 min Scan# 2528

Delta R.T. 0.000 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

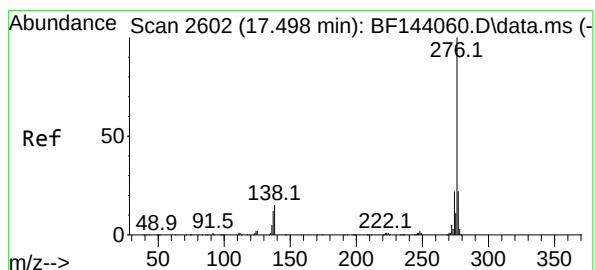
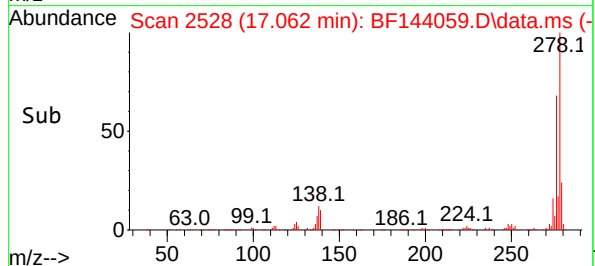
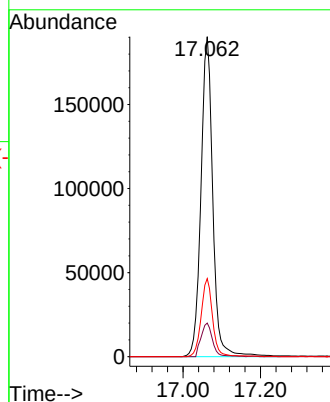
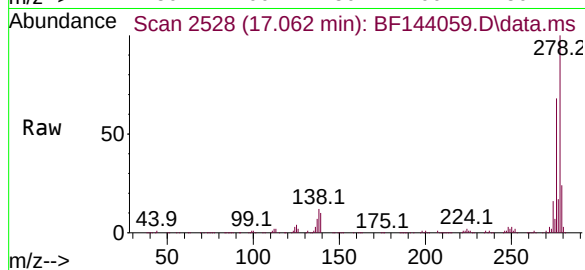
Tgt Ion:278 Resp: 403214

Ion Ratio Lower Upper

278 100

139 10.5 8.5 12.7

279 24.4 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 20.563 ng

RT: 17.503 min Scan# 2603

Delta R.T. 0.006 min

Lab File: BF144059.D

Acq: 24 Oct 2025 12:36

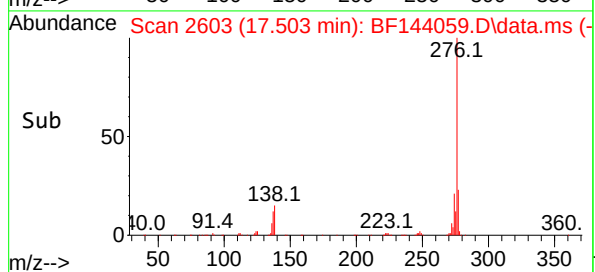
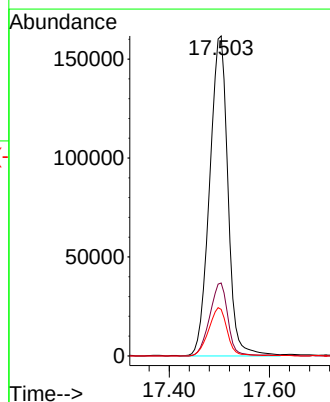
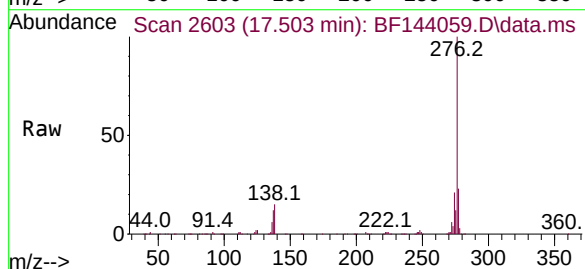
Tgt Ion:276 Resp: 409358

Ion Ratio Lower Upper

276 100

277 22.8 17.9 26.9

138 14.6 12.0 18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144060.D
Acq On : 24 Oct 2025 13:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Oct 24 17:03:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	49457	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	178191	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	91554	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	159613	20.000	ng	0.00
76) Chrysene-d12	14.057	240	123616	20.000	ng	0.00
86) Perylene-d12	15.539	264	152855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	257786	82.465	ng	0.00
7) Phenol-d6	6.504	99	278572	80.690	ng	0.00
23) Nitrobenzene-d5	7.439	82	262114	80.590	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95908	82.238	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	531491	81.692	ng	0.00
79) Terphenyl-d14	12.998	244	599175	84.737	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	54397	40.269	ng	100
3) Pyridine	3.398	79	151037	41.765	ng	100
4) n-Nitrosodimethylamine	3.346	42	90217	40.599	ng	100
6) Aniline	6.539	93	199395	40.371	ng	100
8) 2-Chlorophenol	6.663	128	123726	40.190	ng	100
9) Benzaldehyde	6.434	77	103170	38.490	ng	100
10) Phenol	6.522	94	171675	40.307	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	123456	40.113	ng	100
12) 1,3-Dichlorobenzene	6.822	146	154816	40.768	ng	100
13) 1,4-Dichlorobenzene	6.898	146	153441	41.000	ng	100
14) 1,2-Dichlorobenzene	7.051	146	146404	40.430	ng	100
15) Benzyl Alcohol	7.016	79	113241	40.340	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	235025	40.632	ng	100
17) 2-Methylphenol	7.128	107	92050	38.877	ng	100
18) Hexachloroethane	7.392	117	53836	40.236	ng	100
19) n-Nitroso-di-n-propyla...	7.286	70	86672	38.823	ng	100
20) 3+4-Methylphenols	7.281	107	115474	41.255	ng	100
22) Acetophenone	7.286	105	155572	40.399	ng	100
24) Nitrobenzene	7.463	77	139675	40.596	ng	100
25) Isophorone	7.698	82	229089	40.288	ng	100
26) 2-Nitrophenol	7.775	139	68074	41.591	ng	100
27) 2,4-Dimethylphenol	7.810	122	102275	42.049	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	144080	40.631	ng	100
29) 2,4-Dichlorophenol	8.016	162	115057	40.677	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	119224	40.971	ng	100
31) Naphthalene	8.186	128	344062	40.910	ng	100
32) Benzoic acid	7.916	122	51883	33.628	ng	100
33) 4-Chloroaniline	8.233	127	119889	40.949	ng	100
34) Hexachlorobutadiene	8.298	225	96082	40.380	ng	100
35) Caprolactam	8.592	113	30206	42.585	ng	100
36) 4-Chloro-3-methylphenol	8.710	107	100429	40.234	ng	100
37) 2-Methylnaphthalene	8.875	142	229345	41.362	ng	100
38) 1-Methylnaphthalene	8.975	142	210460	40.062	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	129417	41.130	ng	100
41) Hexachlorocyclopentadiene	9.028	237	39857	41.012	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	86607	42.346	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
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 Acq On : 24 Oct 2025 13:05
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 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

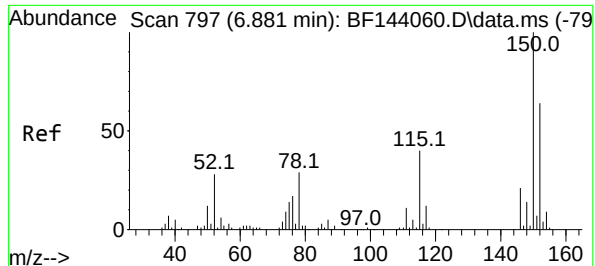
Quant Time: Oct 24 17:03:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:52:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	85520	39.842	ng	100
46) 1,1'-Biphenyl	9.339	154	269550	41.129	ng	100
47) 2-Chloronaphthalene	9.363	162	223762	40.753	ng	100
48) 2-Nitroaniline	9.457	65	69638	42.711	ng	100
49) Acenaphthylene	9.780	152	311770	42.112	ng	100
50) Dimethylphthalate	9.633	163	250045	41.666	ng	100
51) 2,6-Dinitrotoluene	9.698	165	50463	42.535	ng	100
52) Acenaphthene	9.951	154	203905	41.240	ng	100
53) 3-Nitroaniline	9.869	138	58978	44.713	ng	100
54) 2,4-Dinitrophenol	9.980	184	22640	35.283	ng	100
55) Dibenzofuran	10.122	168	285490	41.592	ng	100
56) 4-Nitrophenol	10.027	139	34191	38.279	ng	100
57) 2,4-Dinitrotoluene	10.104	165	70572	44.075	ng	100
58) Fluorene	10.469	166	217594	41.604	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	65926	43.585	ng	100
60) Diethylphthalate	10.339	149	236119	41.838	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	123596	42.022	ng	100
62) 4-Nitroaniline	10.480	138	54231	43.392	ng	100
63) Azobenzene	10.622	77	226383	42.381	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	39142	38.223	ng	100
66) n-Nitrosodiphenylamine	10.574	169	205138	40.226	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	83105	41.585	ng	100
68) Hexachlorobenzene	11.016	284	102619	41.869	ng	100
69) Atrazine	11.104	200	66524	39.753	ng	100
70) Pentachlorophenol	11.216	266	47778	40.953	ng	100
71) Phenanthrene	11.433	178	324774	40.961	ng	100
72) Anthracene	11.486	178	336252	41.053	ng	100
73) Carbazole	11.639	167	289029	41.458	ng	100
74) Di-n-butylphthalate	11.969	149	357025	41.770	ng	100
75) Fluoranthene	12.627	202	358431	40.917	ng	100
77) Benzidine	12.751	184	164527	42.766	ng	100
78) Pyrene	12.857	202	375923	42.300	ng	100
80) Butylbenzylphthalate	13.474	149	148621	44.204	ng	100
81) Benzo(a)anthracene	14.045	228	374791	44.863	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	126028	43.337	ng	100
83) Chrysene	14.086	228	326041	41.590	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	196471	42.805	ng	100
85) Di-n-octyl phthalate	14.645	149	345760	43.804	ng	100
87) Indeno(1,2,3-cd)pyrene	17.045	276	451467	43.020	ng	100
88) Benzo(b)fluoranthene	15.104	252	386268	44.700	ng	100
89) Benzo(k)fluoranthene	15.133	252	323867	40.621	ng	100
90) Benzo(a)pyrene	15.480	252	332791	42.927	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	356487	42.914	ng	100
92) Benzo(g,h,i)perylene	17.498	276	365458	43.758	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

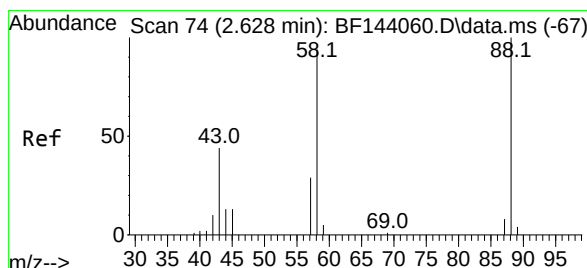
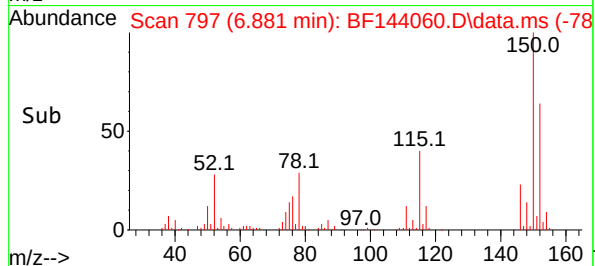
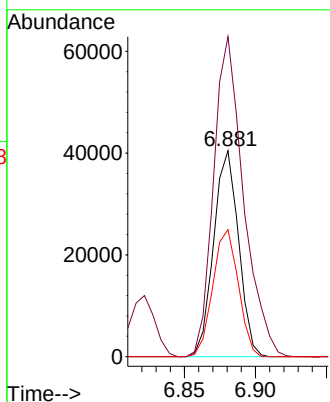
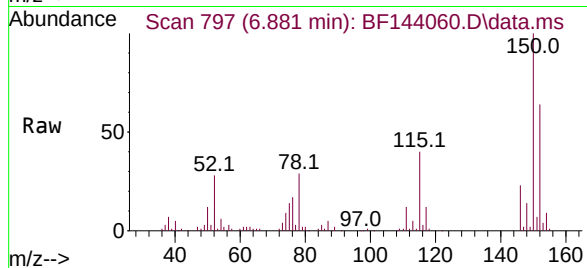
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- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

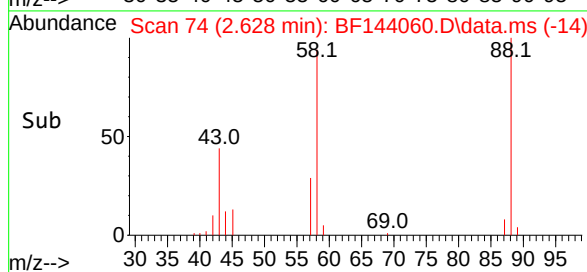
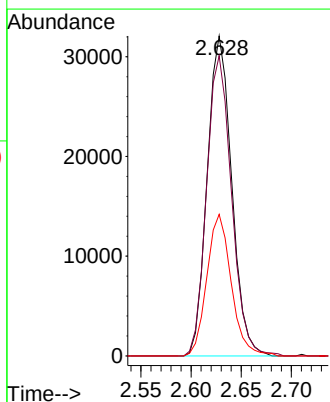
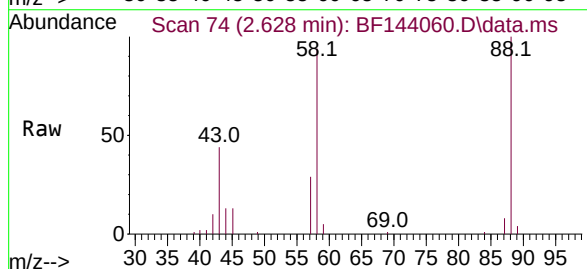
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

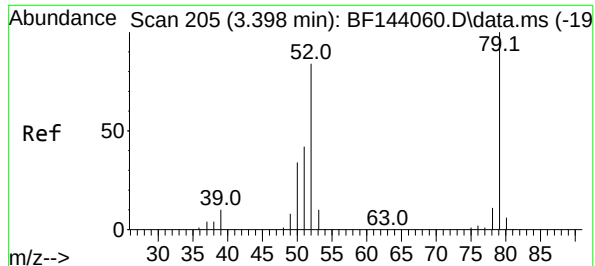
Tgt Ion:152 Resp: 49457
Ion Ratio Lower Upper
152 100
150 155.5 124.4 186.6
115 61.7 49.4 74.0



#2
1,4-Dioxane
Concen: 40.269 ng
RT: 2.628 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 88 Resp: 54397
Ion Ratio Lower Upper
88 100
58 95.6 76.5 114.7
43 44.1 35.3 52.9





#3

Pyridine

Concen: 41.765 ng

RT: 3.398 min Scan# 205

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

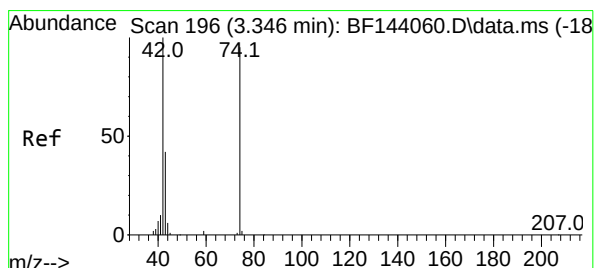
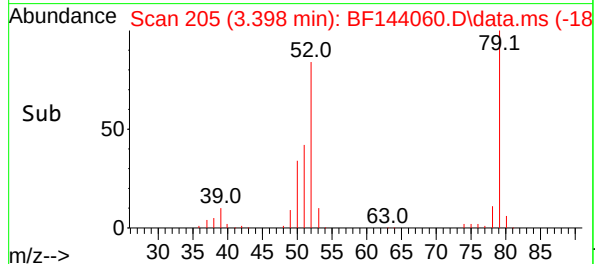
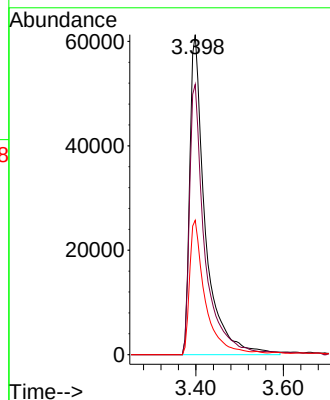
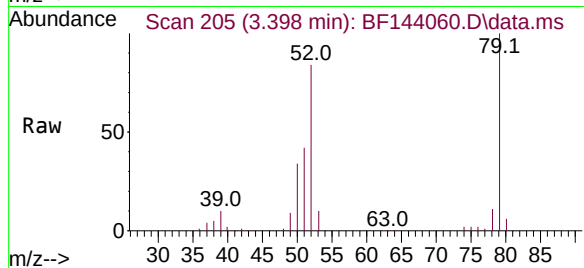
Tgt Ion: 79 Resp: 151037

Ion Ratio Lower Upper

79 100

52 84.4 67.5 101.3

51 42.0 33.6 50.4



#4

n-Nitrosodimethylamine

Concen: 40.599 ng

RT: 3.346 min Scan# 196

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

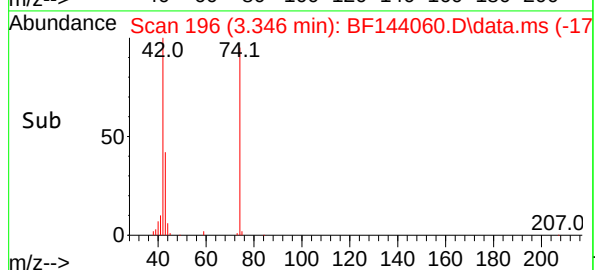
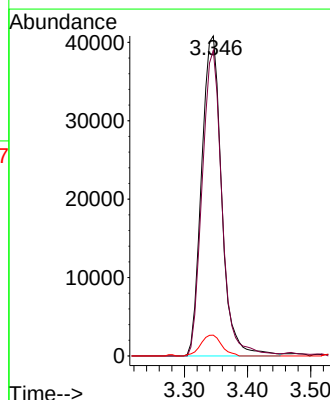
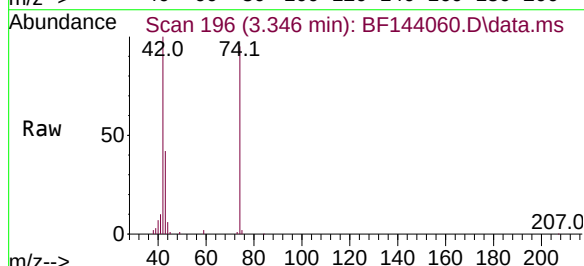
Tgt Ion: 42 Resp: 90217

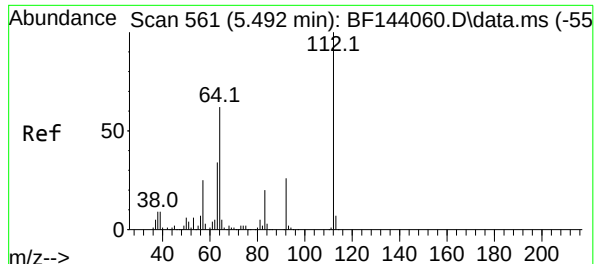
Ion Ratio Lower Upper

42 100

74 95.5 76.4 114.6

44 6.5 5.2 7.8

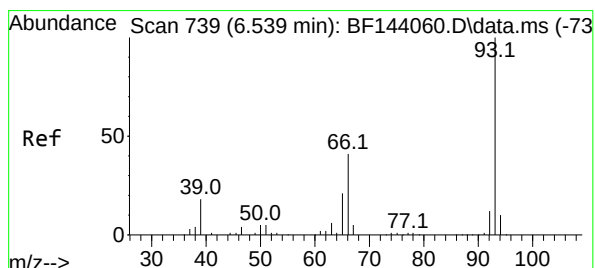
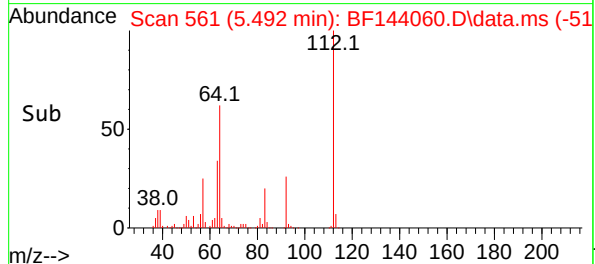
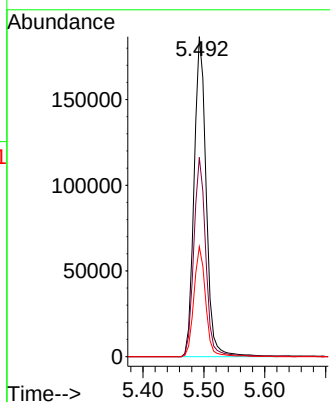
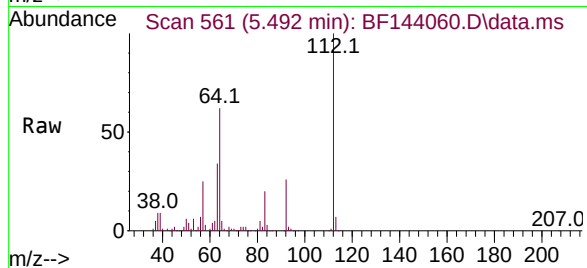




#5
2-Fluorophenol
Concen: 82.465 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

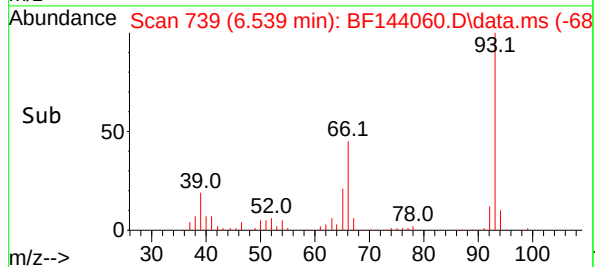
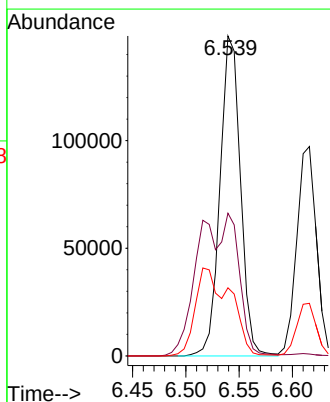
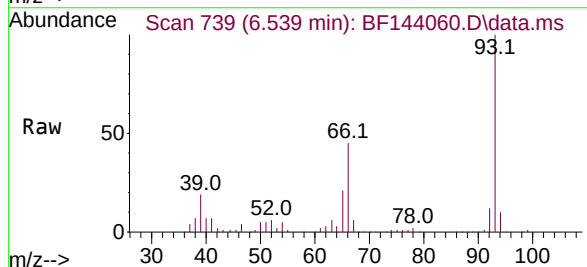
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

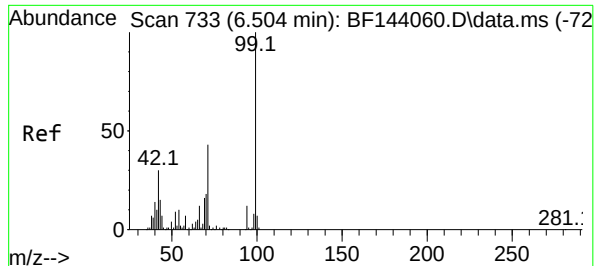
Tgt Ion:112 Resp: 257786
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 34.3 27.4 41.2



#6
Aniline
Concen: 40.371 ng
RT: 6.539 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 93 Resp: 199395
Ion Ratio Lower Upper
93 100
66 44.6 35.7 53.5
65 21.3 17.0 25.6





#7

Phenol-d6

Concen: 80.690 ng

RT: 6.504 min Scan# 733

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

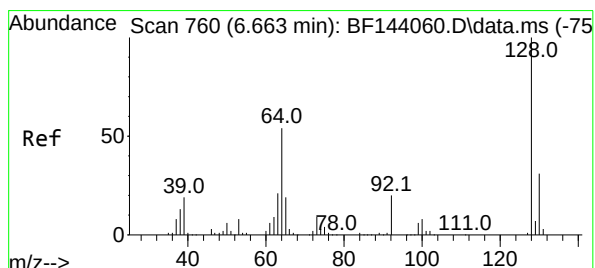
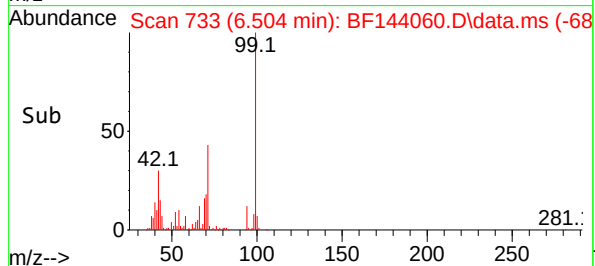
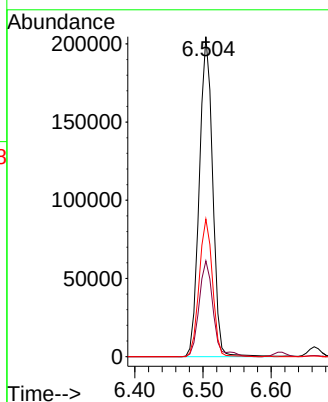
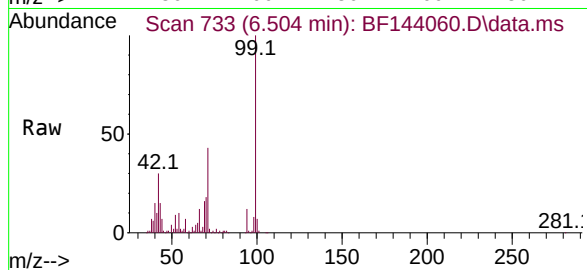
Tgt Ion: 99 Resp: 278572

Ion Ratio Lower Upper

99 100

42 29.9 23.9 35.9

71 43.0 34.4 51.6



#8

2-Chlorophenol

Concen: 40.190 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

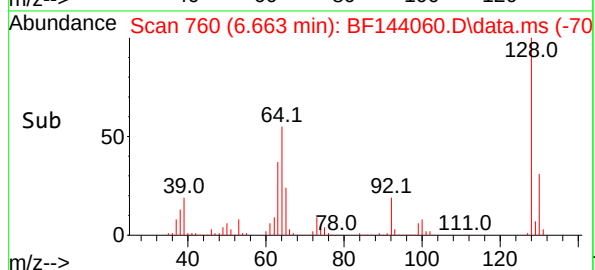
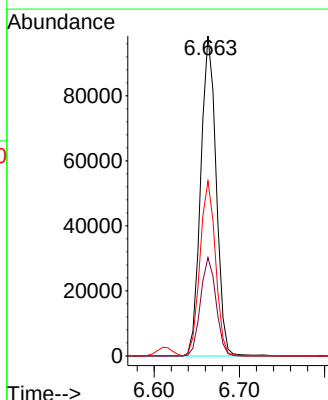
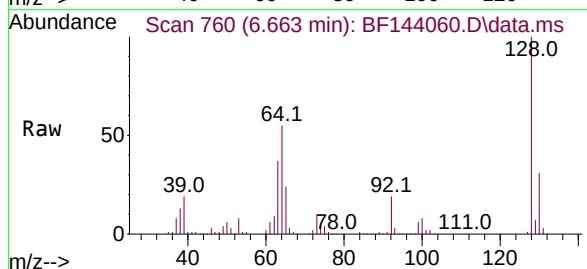
Tgt Ion: 128 Resp: 123726

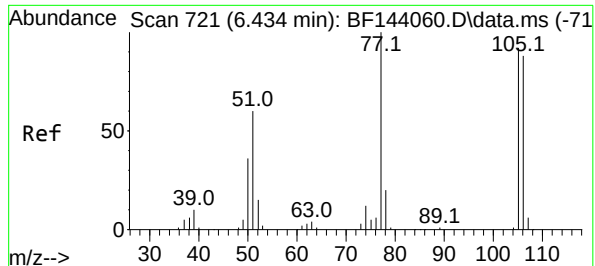
Ion Ratio Lower Upper

128 100

130 30.7 10.7 50.7

64 54.7 34.7 74.7





#9

Benzaldehyde

Concen: 38.490 ng

RT: 6.434 min Scan# 721

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

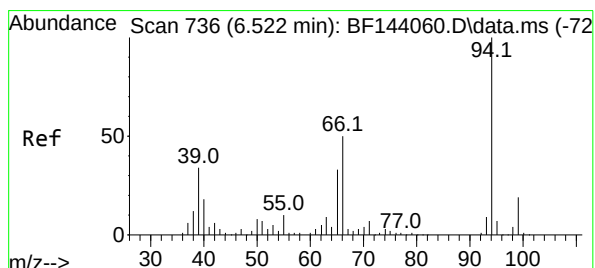
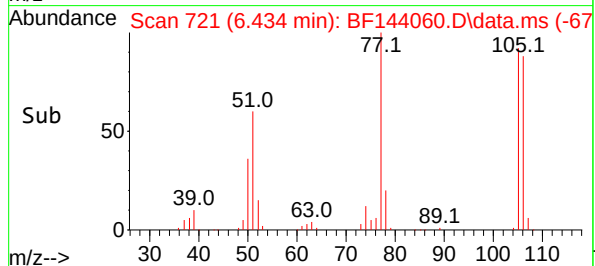
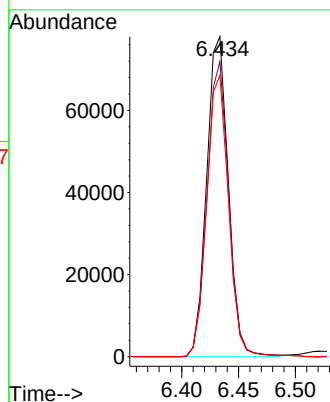
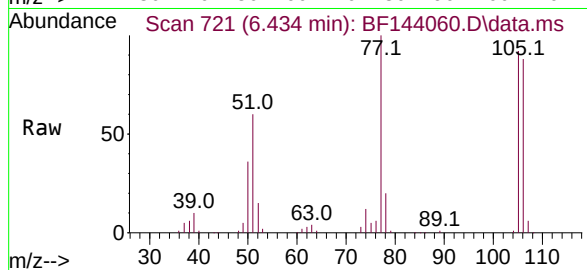
Tgt Ion: 77 Resp: 103170

Ion Ratio Lower Upper

77 100

105 92.2 72.2 112.2

106 87.9 67.9 107.9



#10

Phenol

Concen: 40.307 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

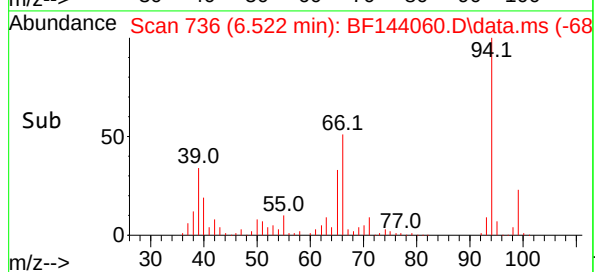
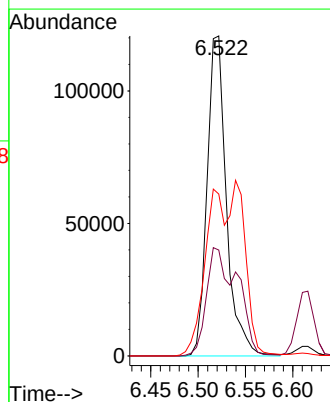
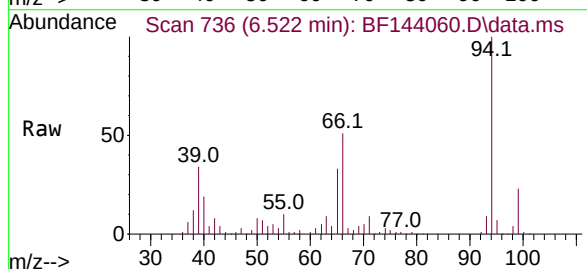
Tgt Ion: 94 Resp: 171675

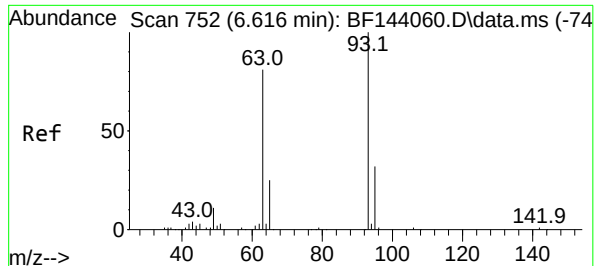
Ion Ratio Lower Upper

94 100

65 33.1 13.1 53.1

66 50.6 30.6 70.6

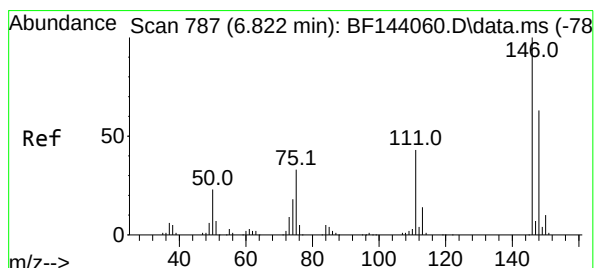
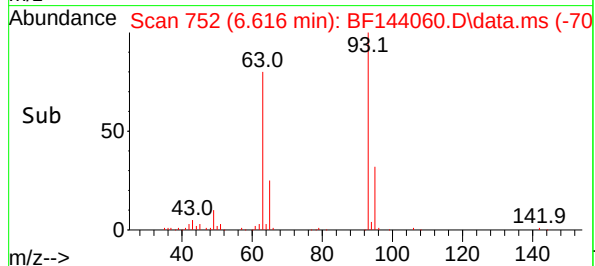
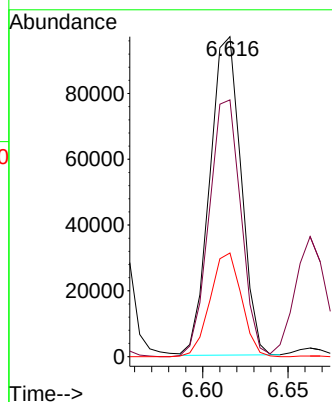
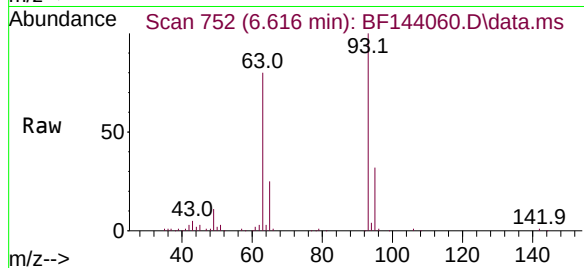




#11
bis(2-Chloroethyl)ether
Concen: 40.113 ng
RT: 6.616 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

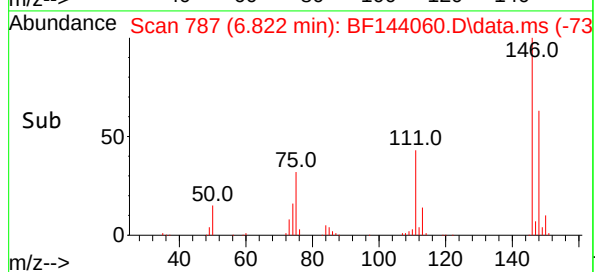
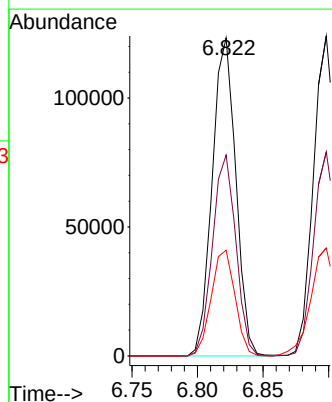
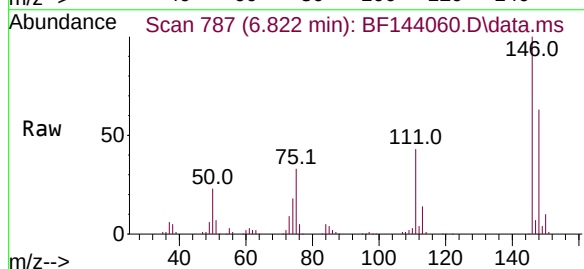
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BNA_F
ClientSampleId :
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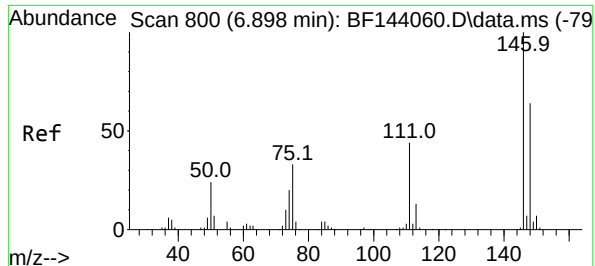
Tgt Ion	93	Resp:	123456
Ion Ratio	Lower	Upper	
93	100		
63	80.2	60.2	100.2
95	32.4	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 40.768 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion	146	Resp:	154816
Ion Ratio	Lower	Upper	
146	100		
148	63.2	50.6	75.8
75	33.3	26.6	40.0





#13

1,4-Dichlorobenzene

Concen: 41.000 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

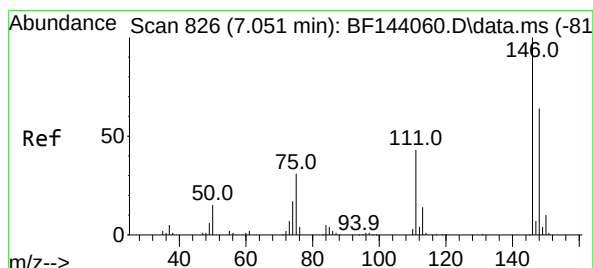
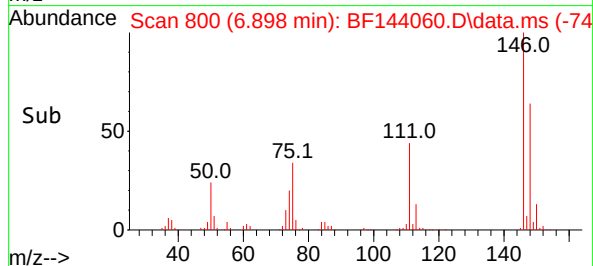
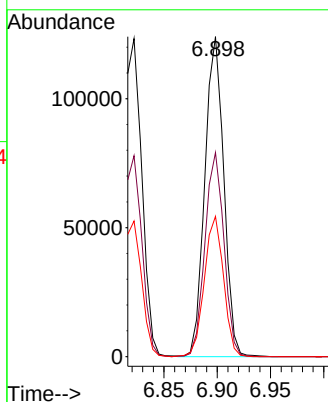
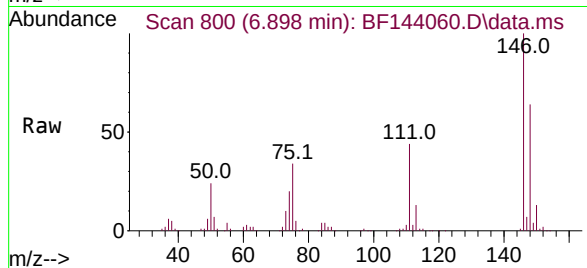
Tgt Ion:146 Resp: 153441

Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

111 43.8 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 40.430 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

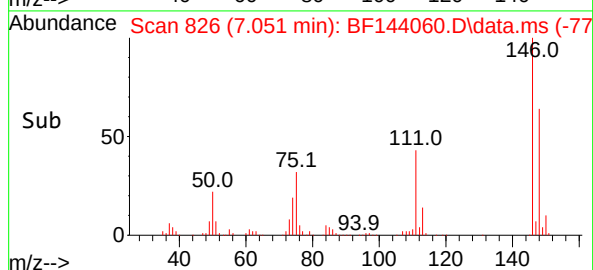
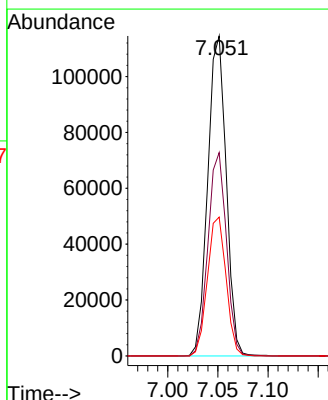
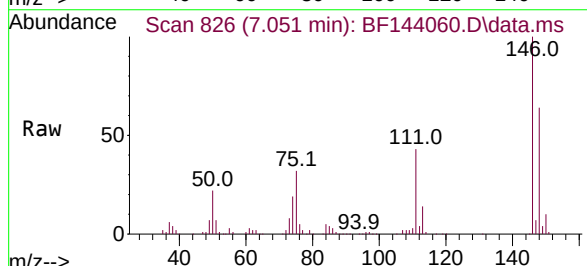
Tgt Ion:146 Resp: 146404

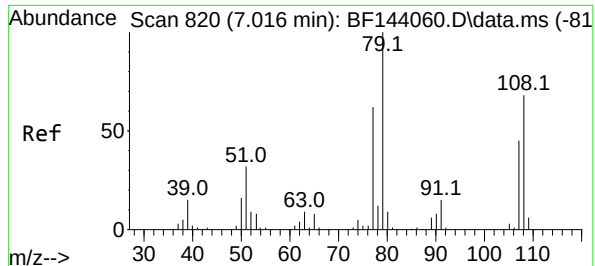
Ion Ratio Lower Upper

146 100

148 63.5 50.8 76.2

111 43.4 34.7 52.1





#15

Benzyl Alcohol

Concen: 40.340 ng

RT: 7.016 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

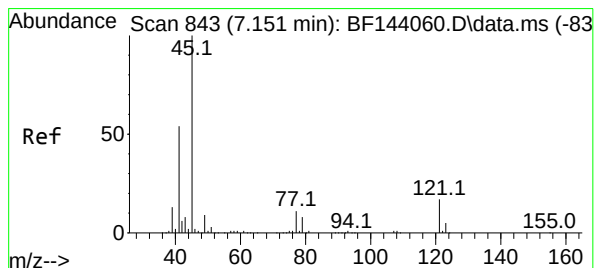
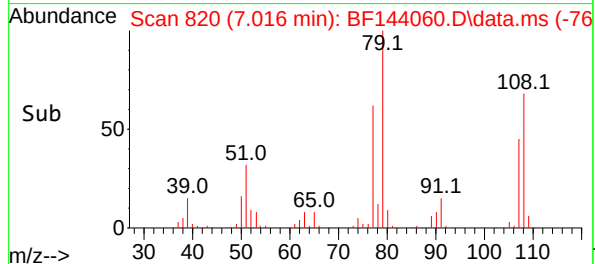
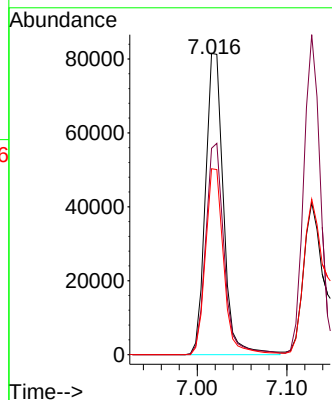
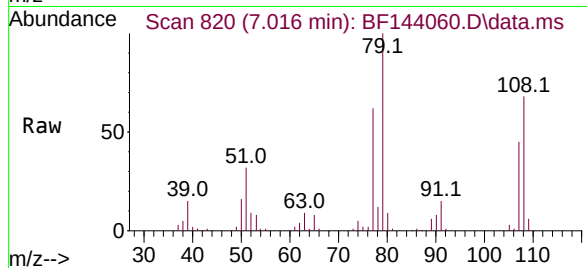
Tgt Ion: 79 Resp: 113241

Ion Ratio Lower Upper

79 100

108 68.5 54.8 82.2

77 61.7 49.4 74.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.632 ng

RT: 7.151 min Scan# 843

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

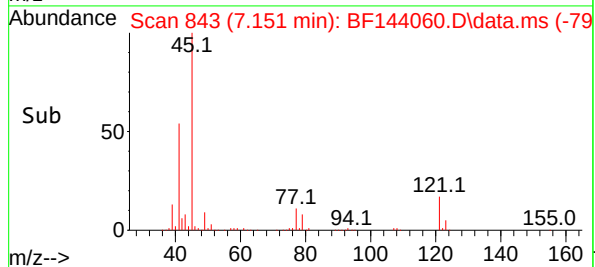
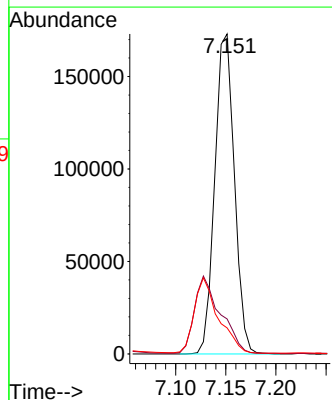
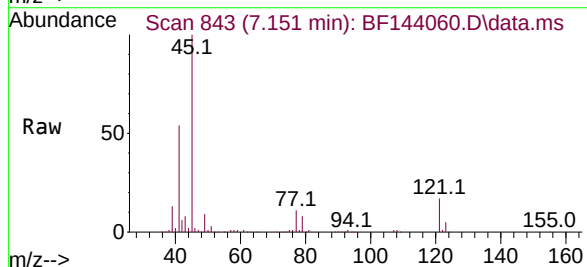
Tgt Ion: 45 Resp: 235025

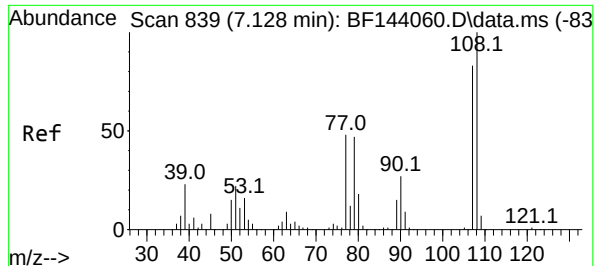
Ion Ratio Lower Upper

45 100

77 10.9 0.0 30.9

79 8.2 0.0 28.2

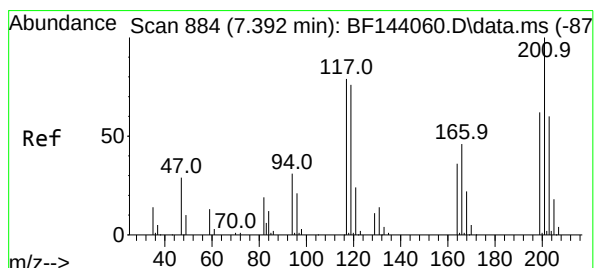
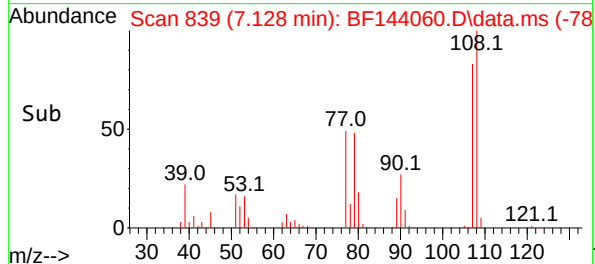
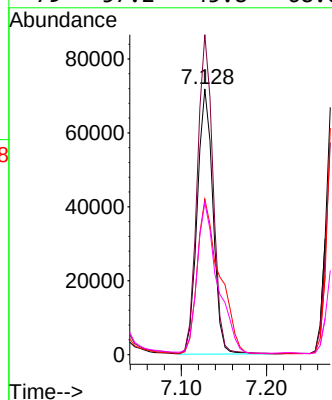
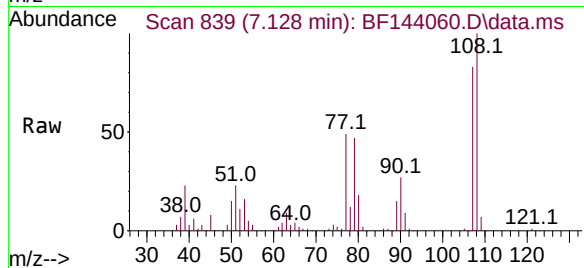




#17
2-Methylphenol
Concen: 38.877 ng
RT: 7.128 min Scan# 839
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

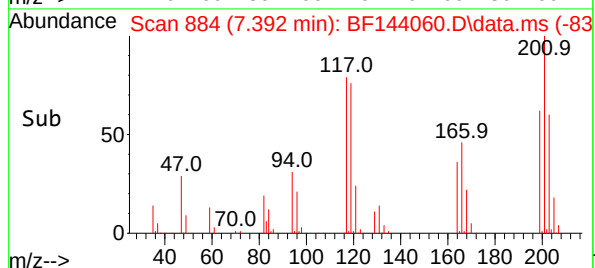
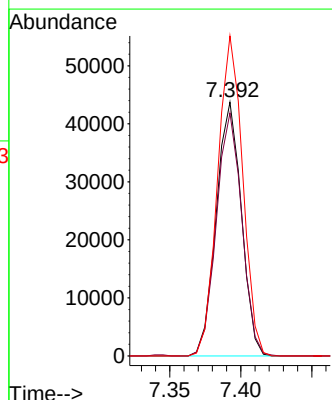
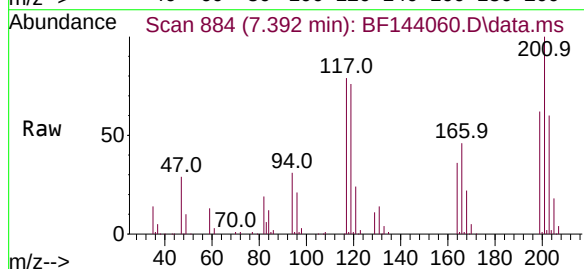
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

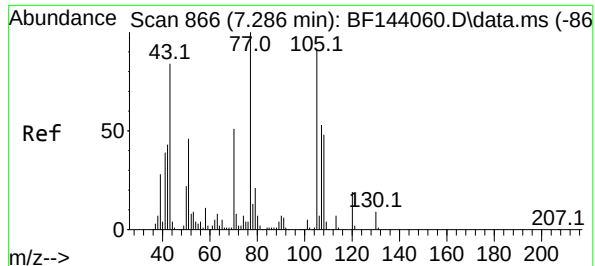
Tgt Ion:	107	Resp:	92050
Ion	Ratio	Lower	Upper
107	100		
108	120.5	96.4	144.6
77	58.5	46.8	70.2
79	57.2	45.8	68.6



#18
Hexachloroethane
Concen: 40.236 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:	117	Resp:	53836
Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
201	126.1	100.9	151.3





#19

n-Nitroso-di-n-propylamine

Concen: 38.823 ng

RT: 7.286 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 86672

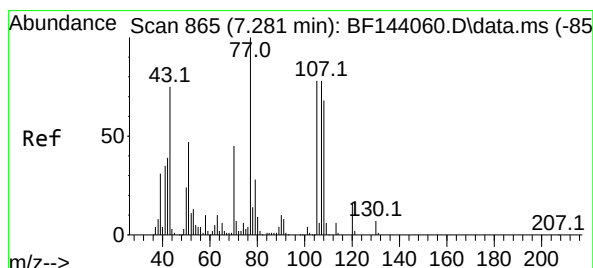
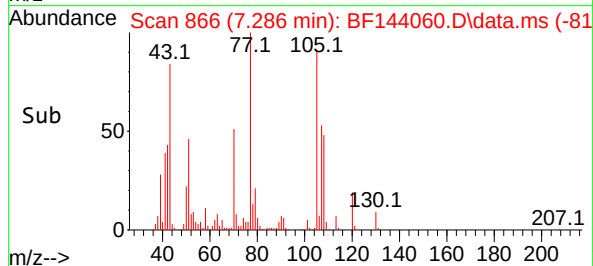
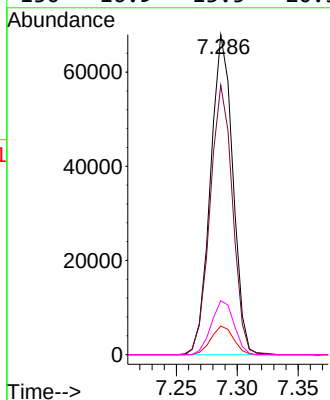
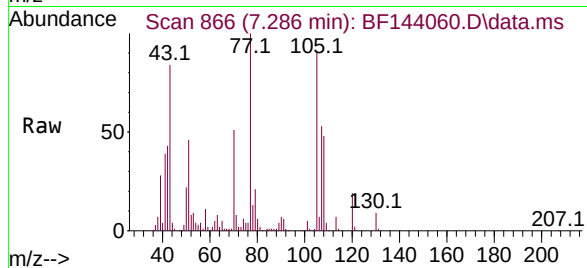
Ion Ratio Lower Upper

70 100

42 84.2 67.4 101.0

101 8.9 7.1 10.7

130 16.9 13.5 20.3



#20

3+4-Methylphenols

Concen: 41.255 ng

RT: 7.281 min Scan# 865

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Tgt Ion: 107 Resp: 115474

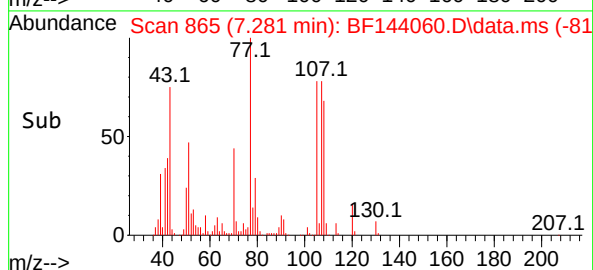
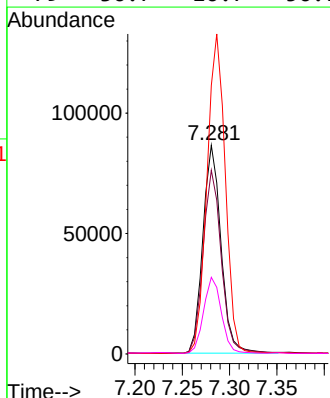
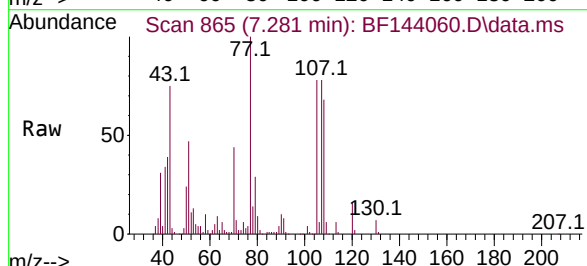
Ion Ratio Lower Upper

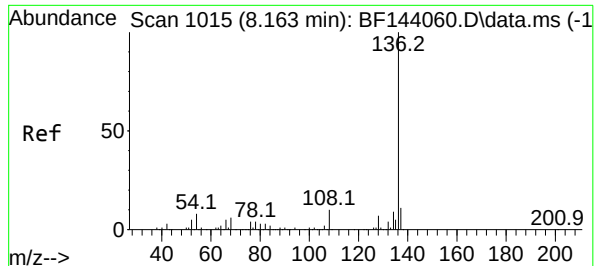
107 100

108 88.0 68.0 108.0

77 128.7 108.7 148.7

79 36.7 16.7 56.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1015

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 178191

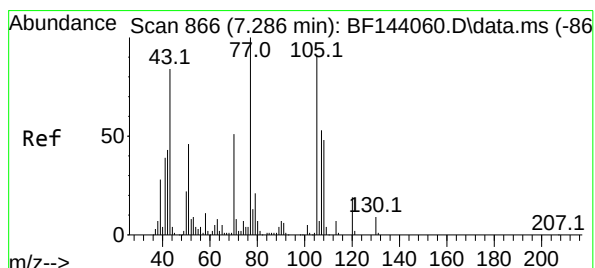
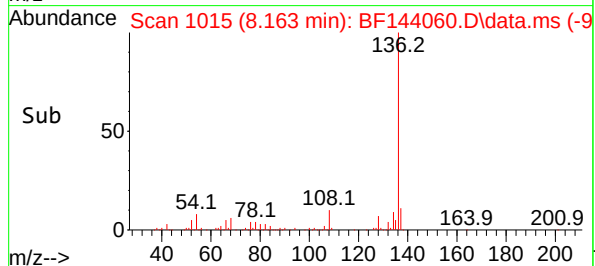
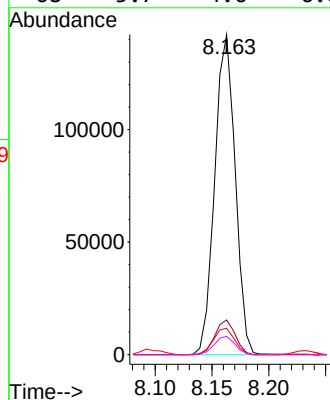
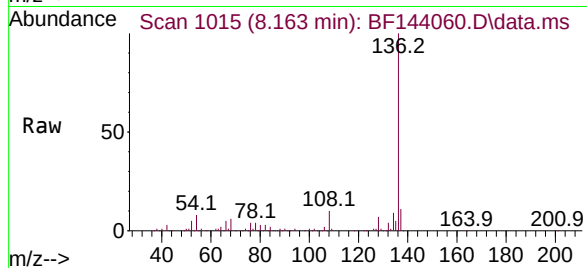
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.2 6.6 9.8

68 5.7 4.6 6.8



#22

Acetophenone

Concen: 40.399 ng

RT: 7.286 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Tgt Ion:105 Resp: 155572

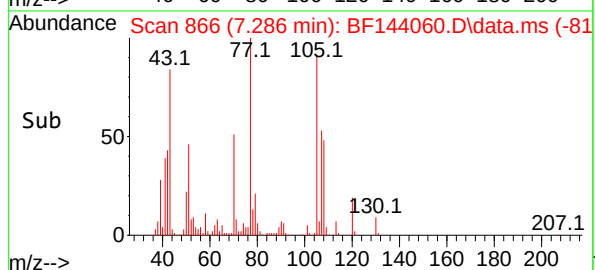
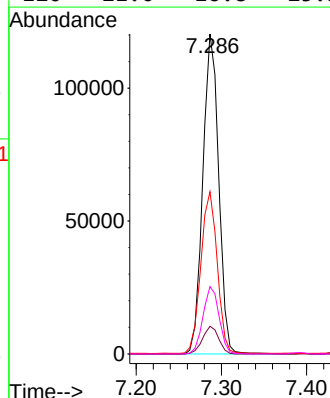
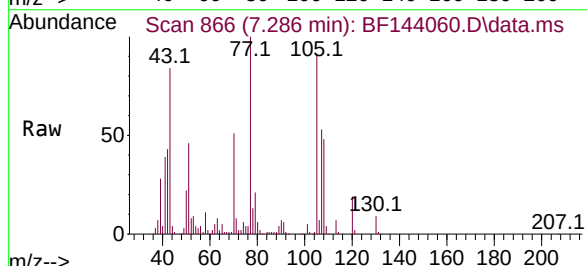
Ion Ratio Lower Upper

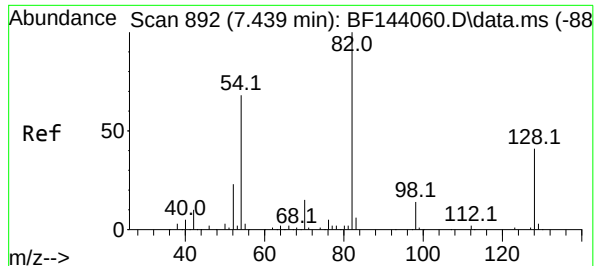
105 100

71 8.6 6.9 10.3

51 50.7 40.6 60.8

120 21.0 16.8 25.2

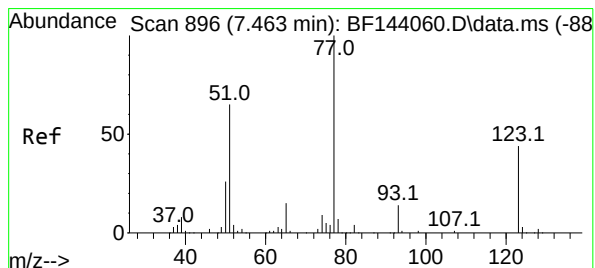
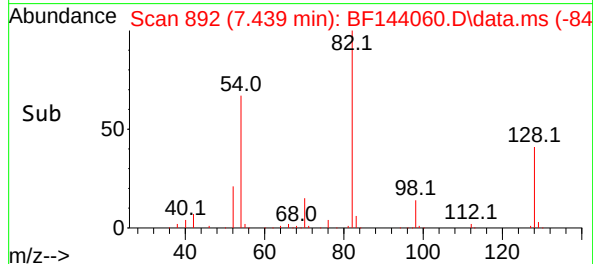
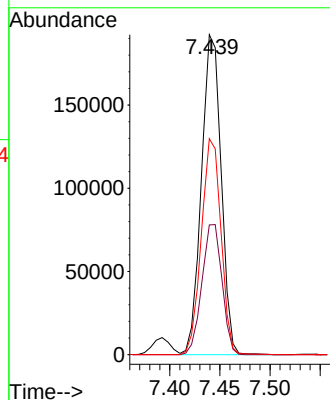
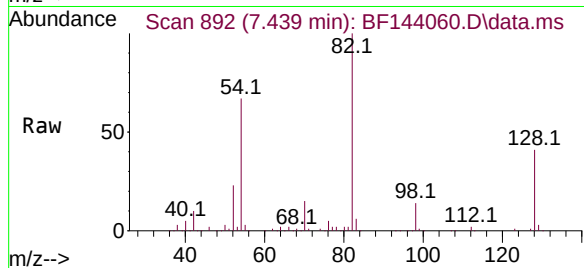




#23
Nitrobenzene-d5
Concen: 80.590 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

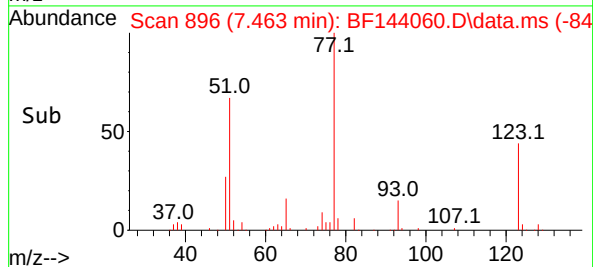
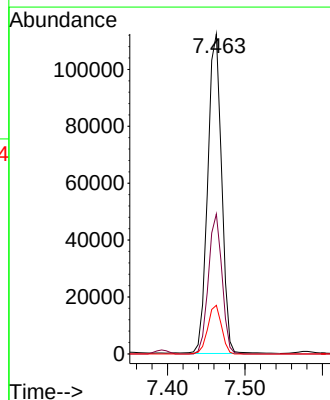
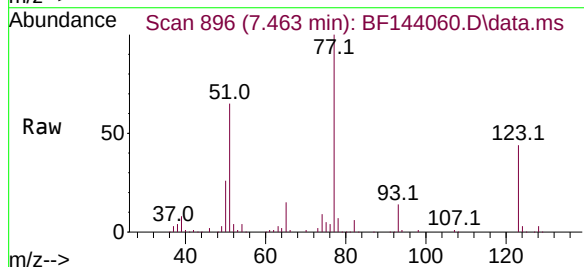
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

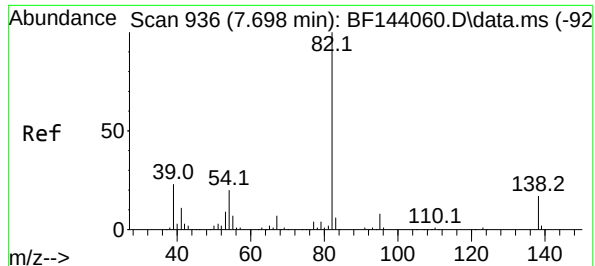
Tgt Ion: 82 Resp: 262114
Ion Ratio Lower Upper
82 100
128 40.5 32.4 48.6
54 67.5 54.0 81.0



#24
Nitrobenzene
Concen: 40.596 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 77 Resp: 139675
Ion Ratio Lower Upper
77 100
123 43.8 35.0 52.6
65 15.2 12.2 18.2





#25

Isophorone

Concen: 40.288 ng

RT: 7.698 min Scan# 936

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

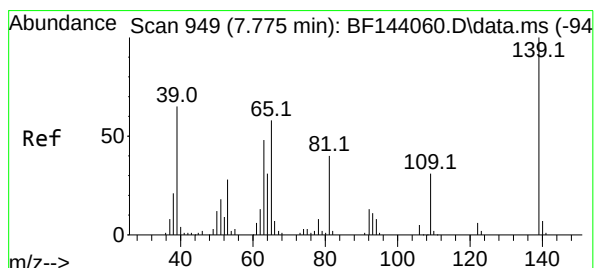
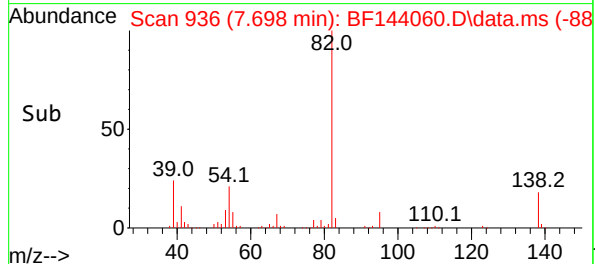
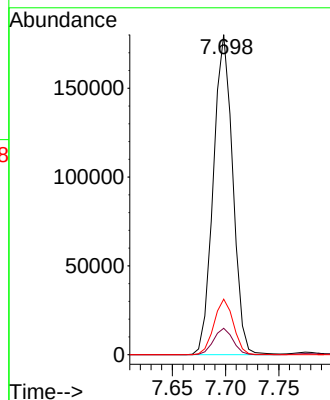
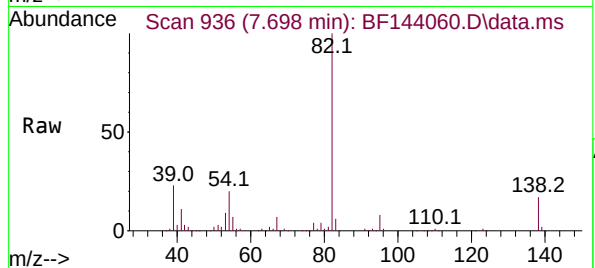
Tgt Ion: 82 Resp: 229089

Ion Ratio Lower Upper

82 100

95 8.2 6.6 9.8

138 17.3 13.8 20.8



#26

2-Nitrophenol

Concen: 41.591 ng

RT: 7.775 min Scan# 949

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

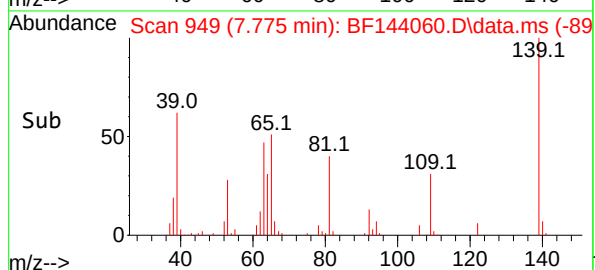
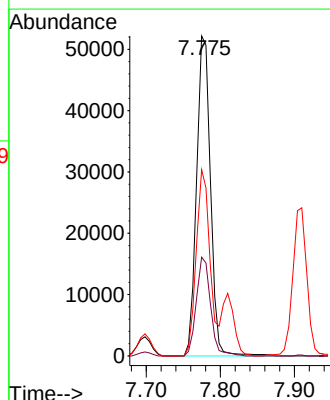
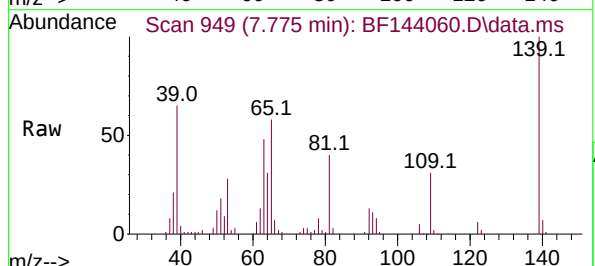
Tgt Ion: 139 Resp: 68074

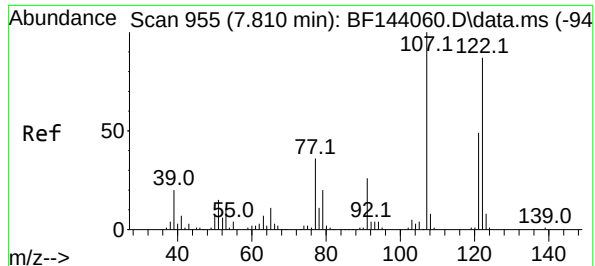
Ion Ratio Lower Upper

139 100

109 30.8 24.6 37.0

65 58.2 46.6 69.8





#27

2,4-Dimethylphenol

Concen: 42.049 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

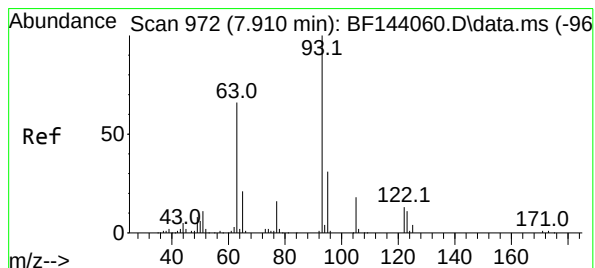
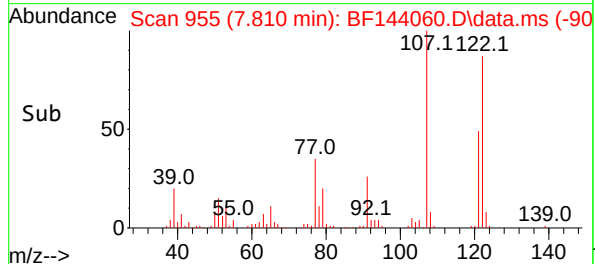
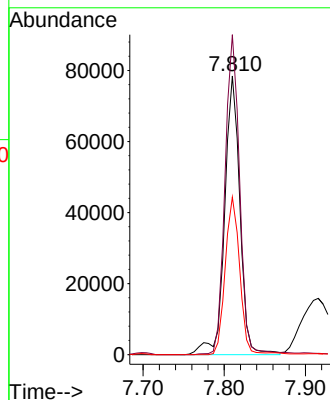
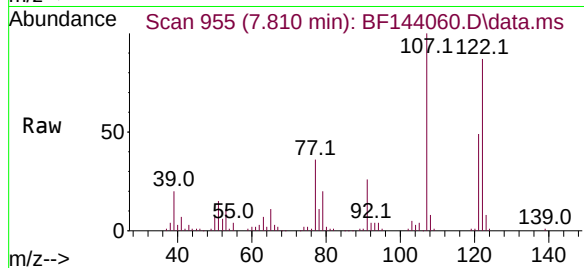
Tgt Ion:122 Resp: 102275

Ion Ratio Lower Upper

122 100

107 114.8 91.8 137.8

121 56.5 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 40.631 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

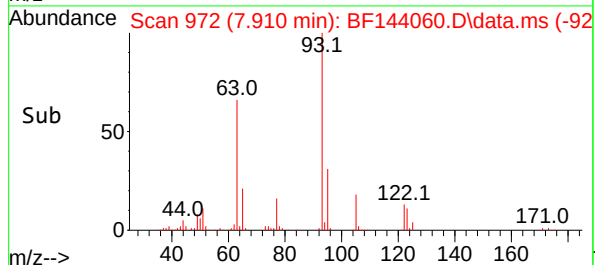
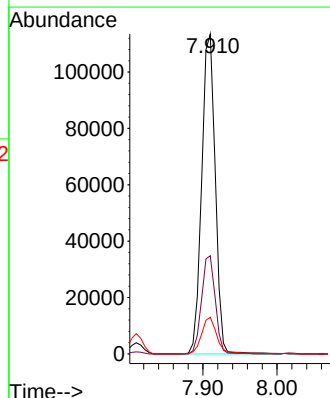
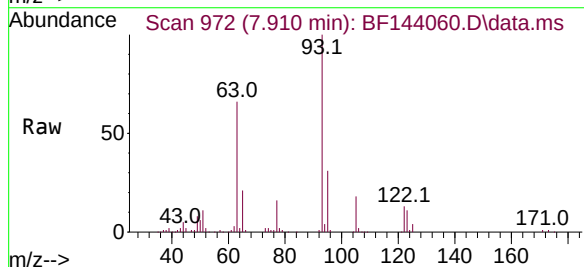
Tgt Ion: 93 Resp: 144080

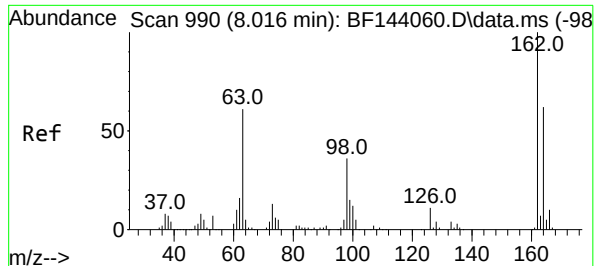
Ion Ratio Lower Upper

93 100

95 30.7 24.6 36.8

123 11.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 40.677 ng

RT: 8.016 min Scan# 99

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

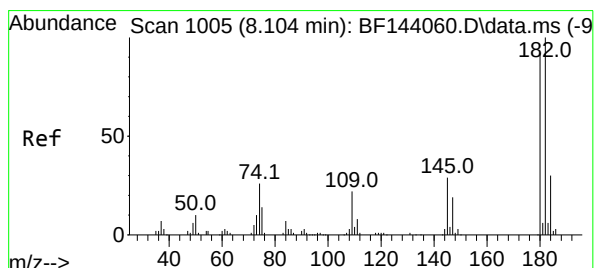
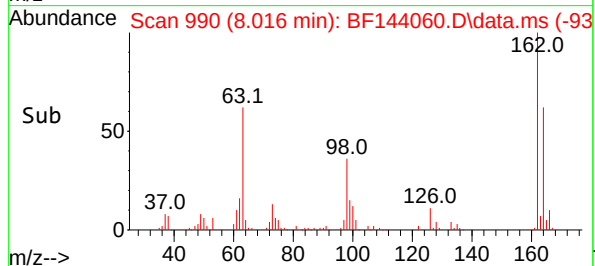
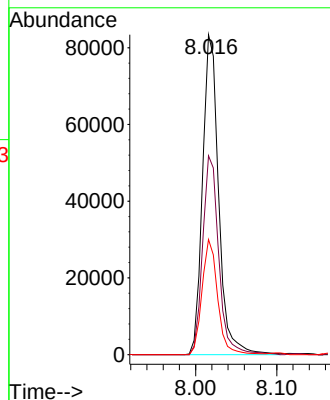
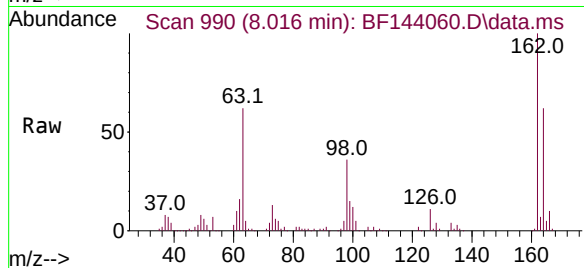
Tgt Ion:162 Resp: 115057

Ion Ratio Lower Upper

162 100

164 62.1 42.1 82.1

98 36.0 16.0 56.0



#30

1,2,4-Trichlorobenzene

Concen: 40.971 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

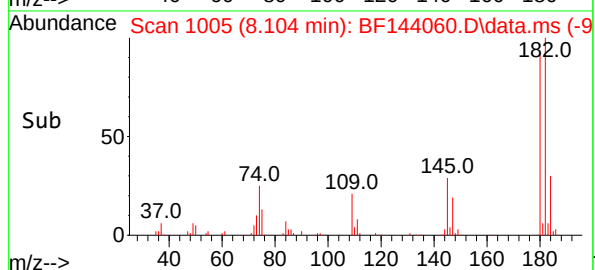
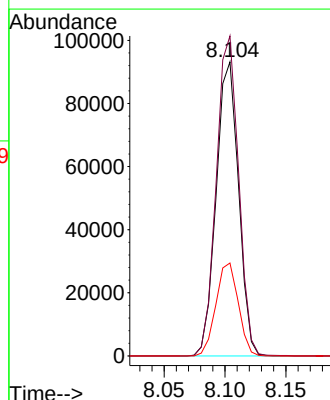
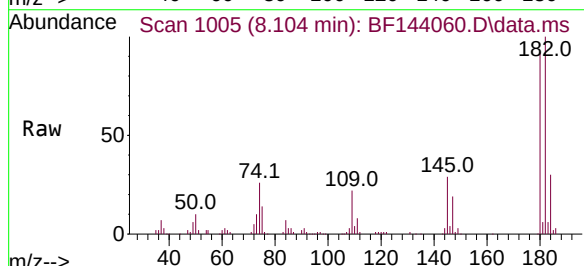
Tgt Ion:180 Resp: 119224

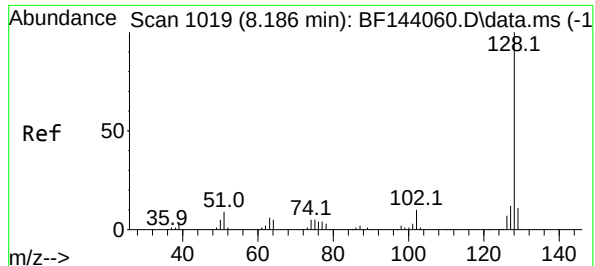
Ion Ratio Lower Upper

180 100

182 108.9 87.1 130.7

145 31.6 25.3 37.9

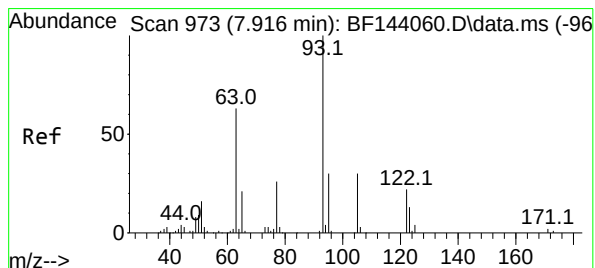
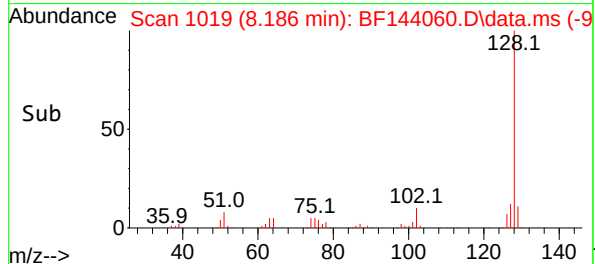
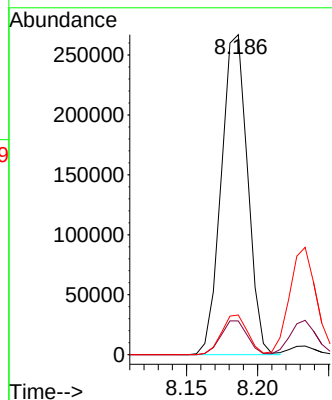
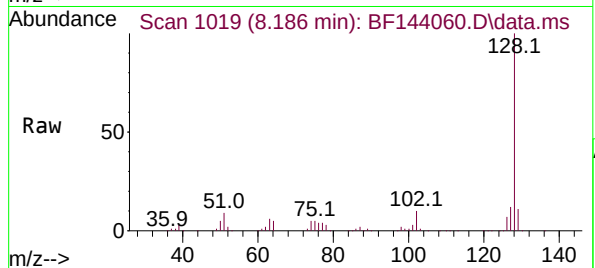




#31
Naphthalene
Concen: 40.910 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

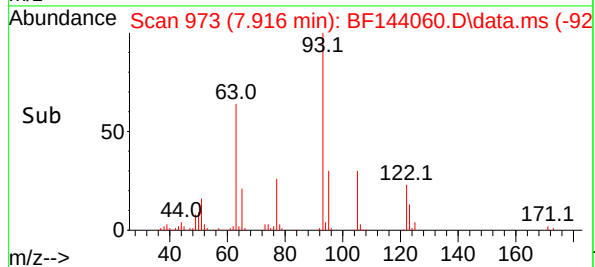
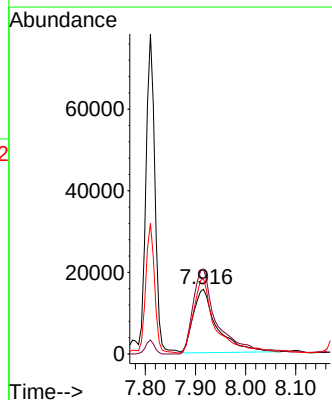
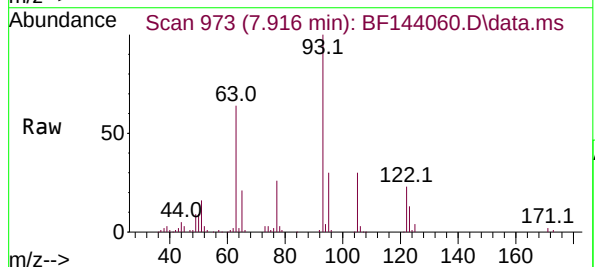
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

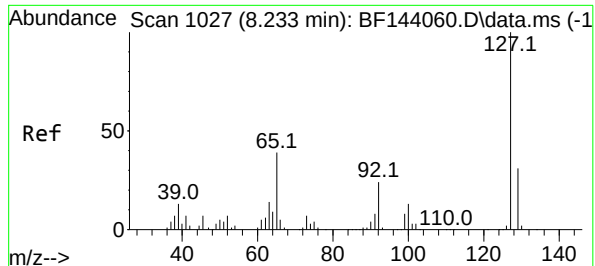
Tgt Ion:128 Resp: 344062
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 12.4 9.9 14.9



#32
Benzoic acid
Concen: 33.628 ng
RT: 7.916 min Scan# 973
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:122 Resp: 51883
Ion Ratio Lower Upper
122 100
105 131.3 111.3 151.3
77 116.7 96.7 136.7

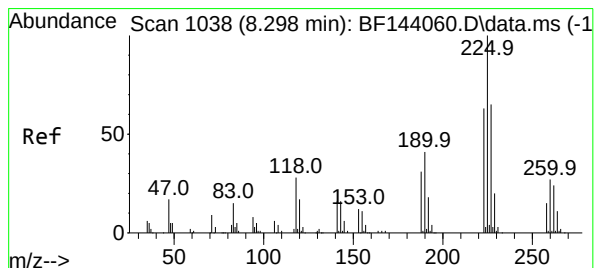
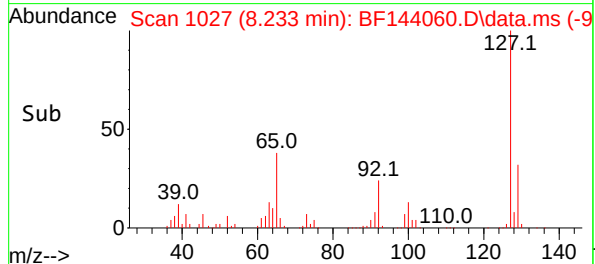
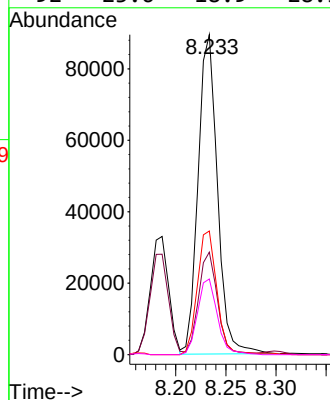
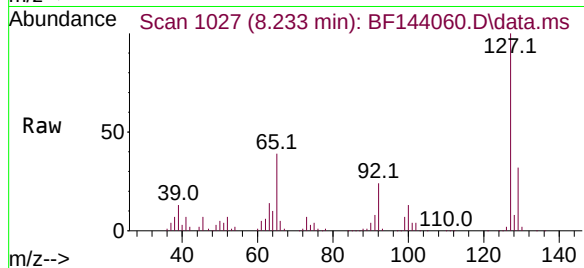




#33
4-Chloroaniline
Concen: 40.949 ng
RT: 8.233 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

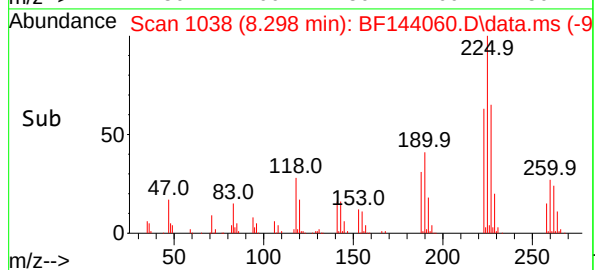
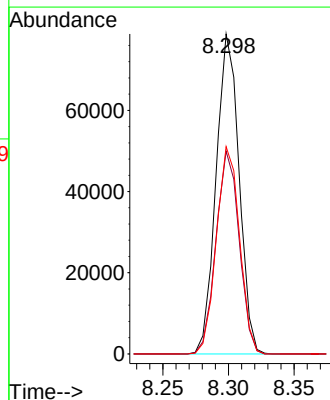
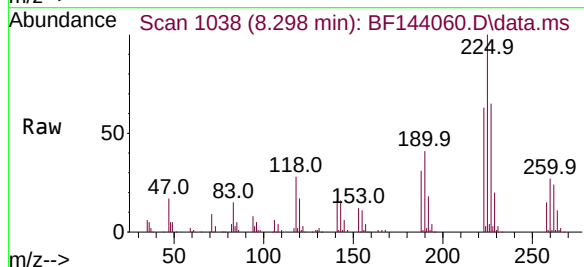
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

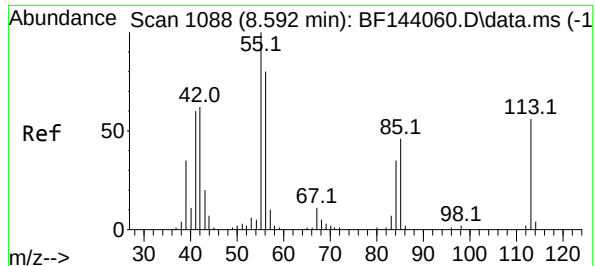
Tgt Ion:127	Resp: 119889
Ion Ratio	Lower Upper
127 100	
129 32.0	25.6 38.4
65 38.6	30.9 46.3
92 23.6	18.9 28.3



#34
Hexachlorobutadiene
Concen: 40.380 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:225	Resp: 96082
Ion Ratio	Lower Upper
225 100	
223 63.3	50.6 76.0
227 64.8	51.8 77.8





#35

Caprolactam

Concen: 42.585 ng

RT: 8.592 min Scan# 1088

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

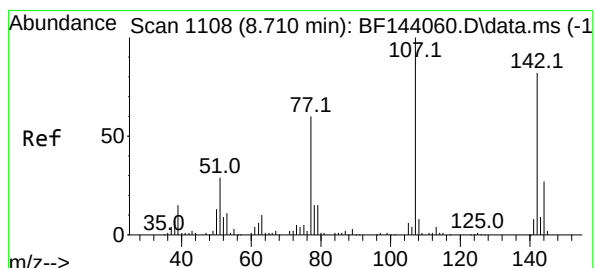
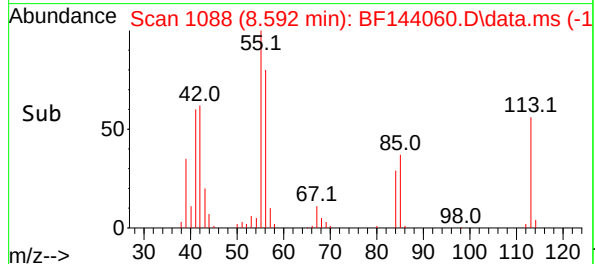
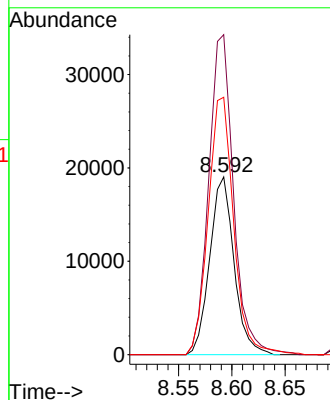
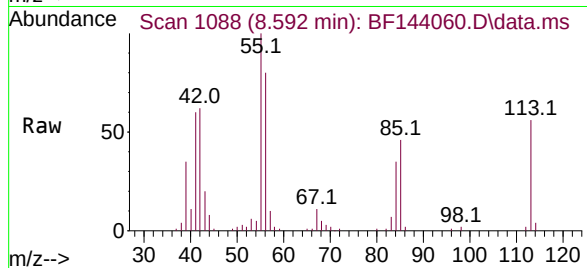
Tgt Ion:113 Resp: 30206

Ion Ratio Lower Upper

113 100

55 180.1 160.1 200.1

56 144.9 124.9 164.9



#36

4-Chloro-3-methylphenol

Concen: 40.234 ng

RT: 8.710 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

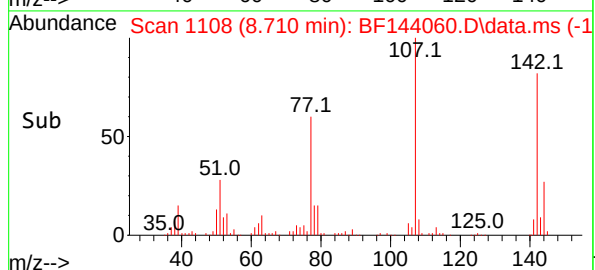
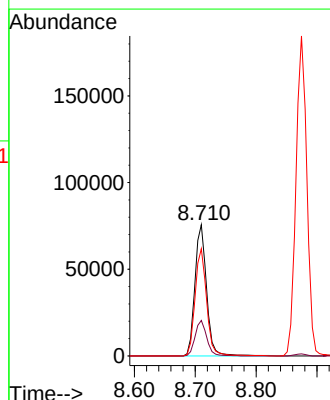
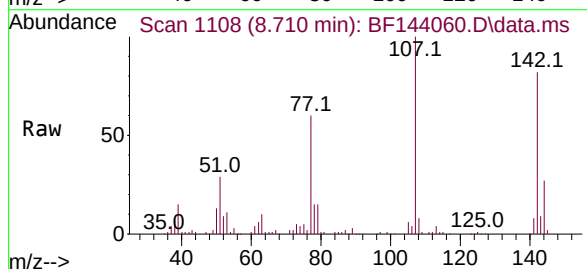
Tgt Ion:107 Resp: 100429

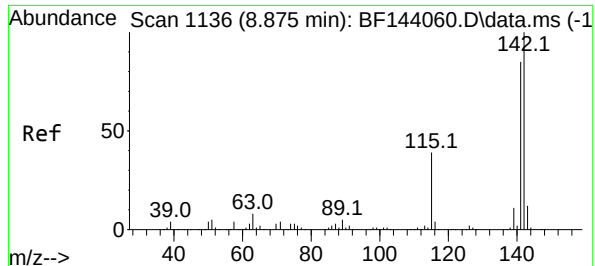
Ion Ratio Lower Upper

107 100

144 27.0 21.6 32.4

142 81.7 65.4 98.0





#37

2-Methylnaphthalene

Concen: 41.362 ng

RT: 8.875 min Scan# 1136

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

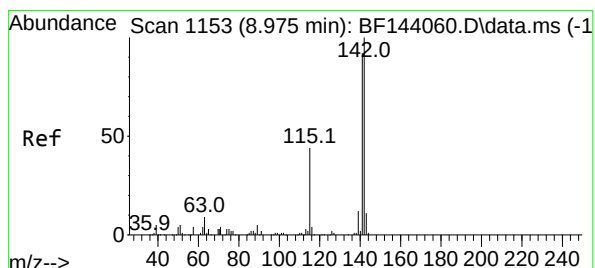
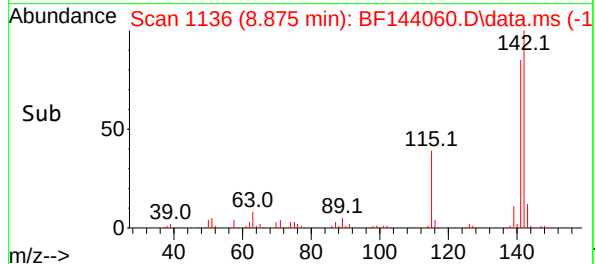
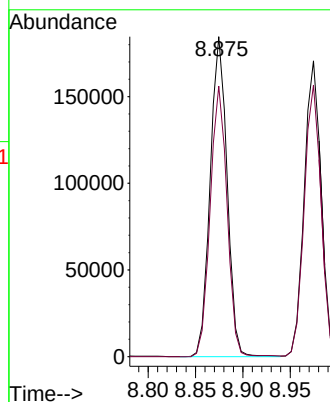
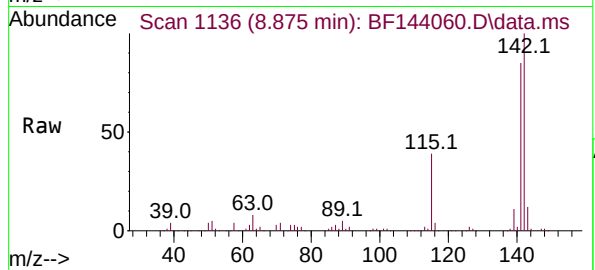
SSTDICCC040

Tgt Ion:142 Resp: 229345

Ion Ratio Lower Upper

142 100

141 84.5 67.6 101.4



#38

1-Methylnaphthalene

Concen: 40.062 ng

RT: 8.975 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF144060.D

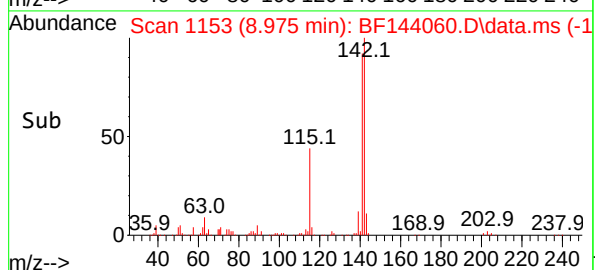
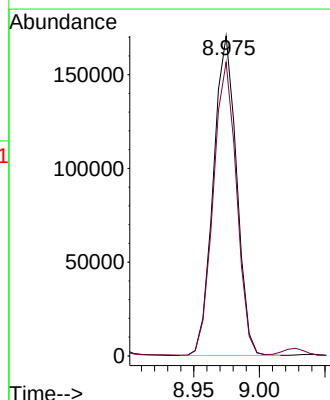
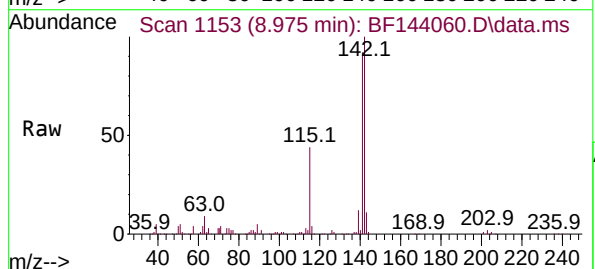
Acq: 24 Oct 2025 13:05

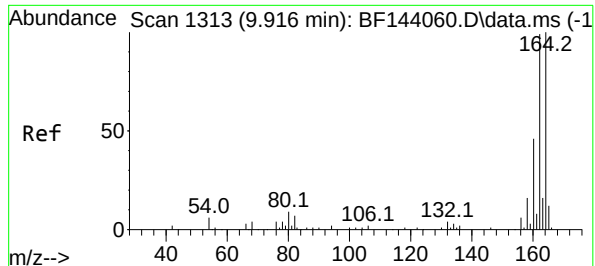
Tgt Ion:142 Resp: 210460

Ion Ratio Lower Upper

142 100

141 91.8 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

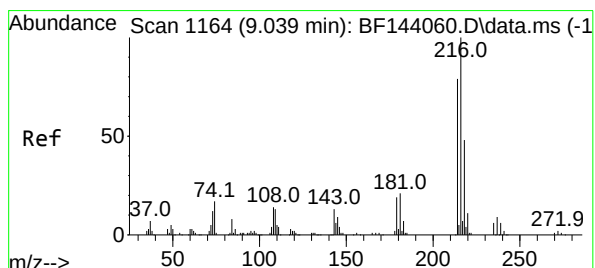
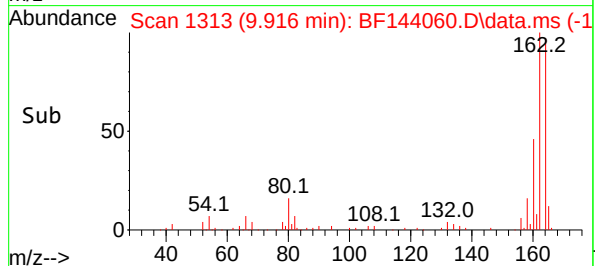
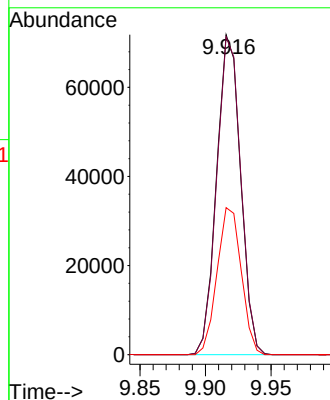
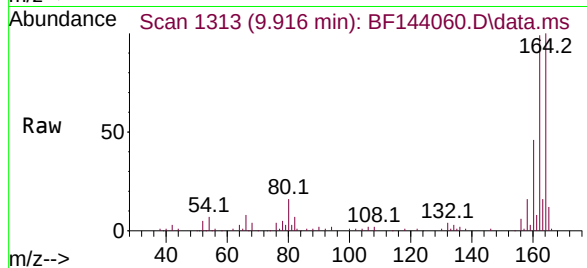
Tgt Ion:164 Resp: 91554

Ion Ratio Lower Upper

164 100

162 99.3 79.4 119.2

160 45.9 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.130 ng

RT: 9.039 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Tgt Ion:216 Resp: 129417

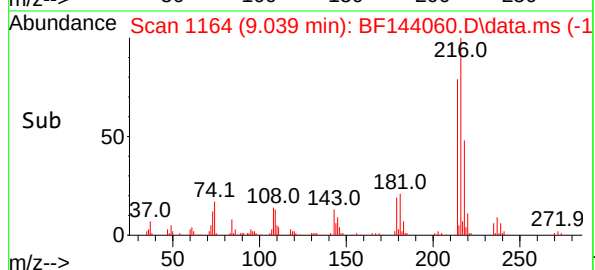
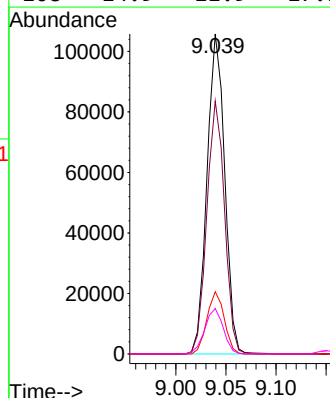
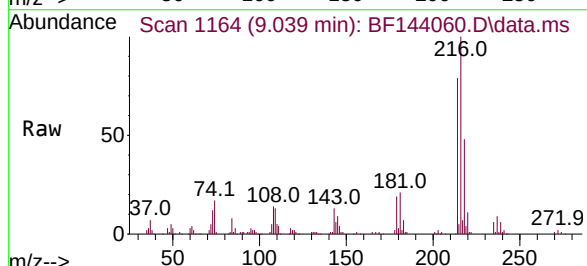
Ion Ratio Lower Upper

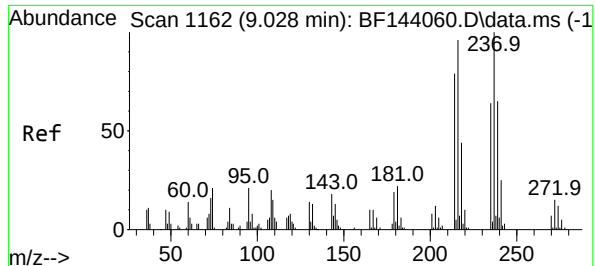
216 100

214 79.0 63.2 94.8

179 19.0 15.2 22.8

108 14.9 11.9 17.9

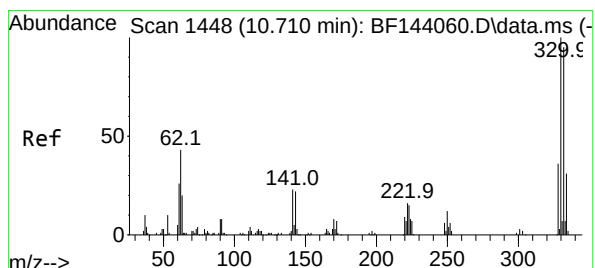
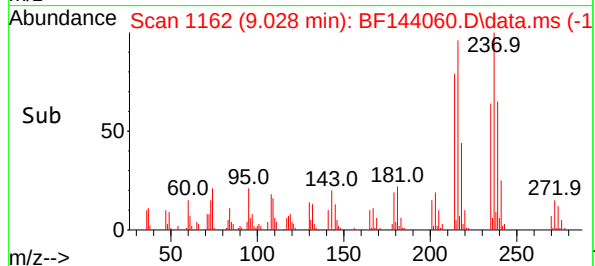
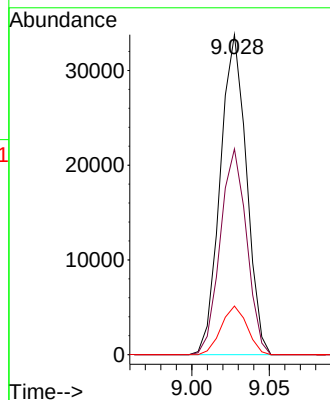
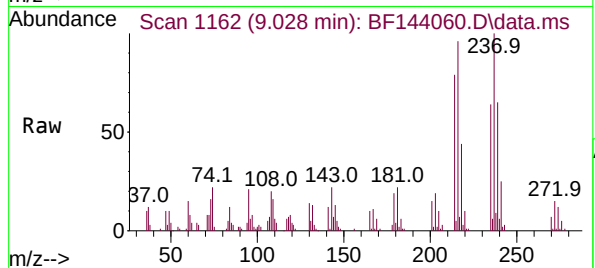




#41
Hexachlorocyclopentadiene
Concen: 41.012 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

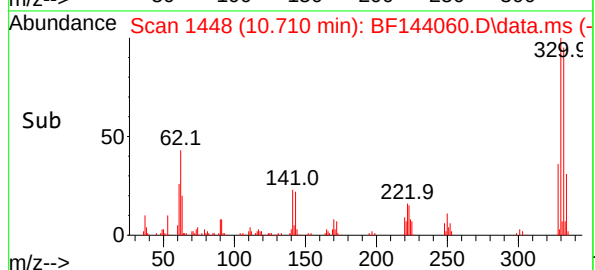
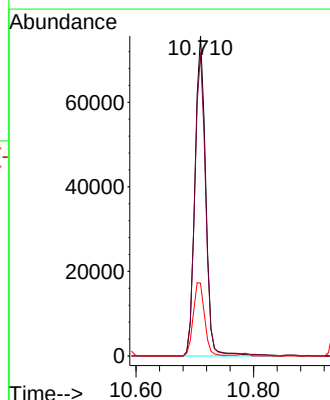
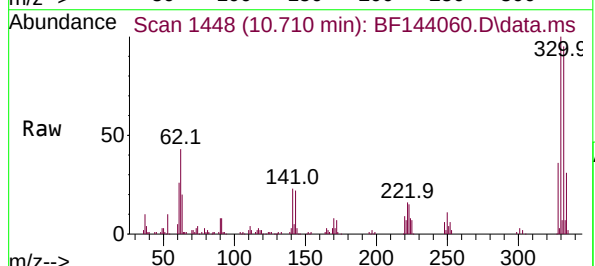
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

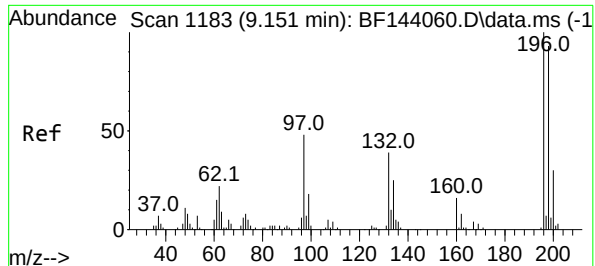
Tgt Ion: 237 Resp: 39857
Ion Ratio Lower Upper
237 100
235 64.3 44.3 84.3
272 15.2 0.0 35.2



#42
2,4,6-Tribromophenol
Concen: 82.238 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion: 330 Resp: 95908
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 24.2 19.4 29.0





#43

2,4,6-Trichlorophenol

Concen: 42.346 ng

RT: 9.151 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

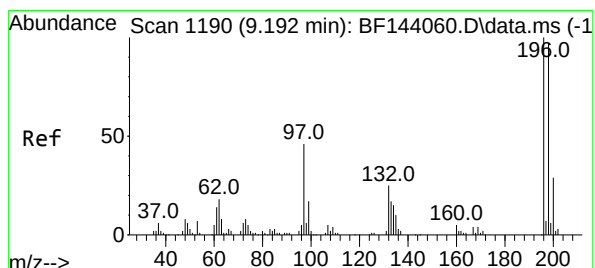
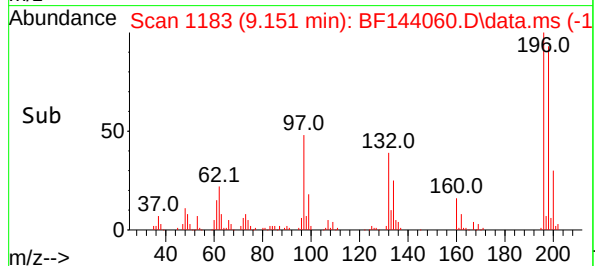
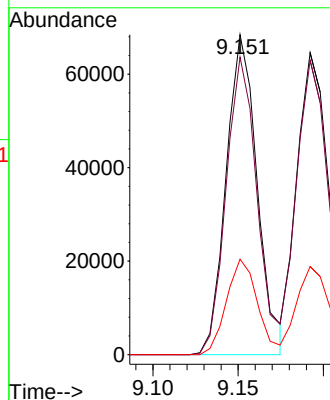
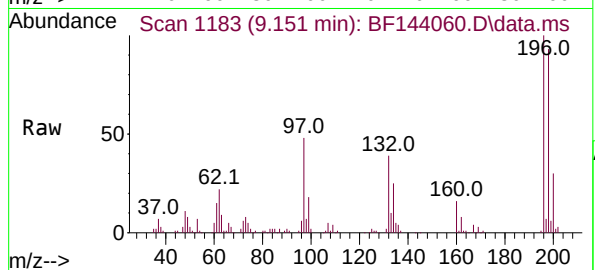
Tgt Ion:196 Resp: 86607

Ion Ratio Lower Upper

196 100

198 93.0 74.4 111.6

200 29.8 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 39.842 ng

RT: 9.192 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Tgt Ion:196 Resp: 85520

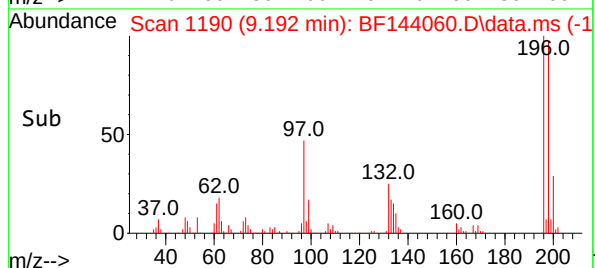
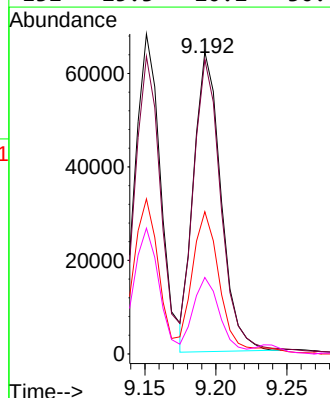
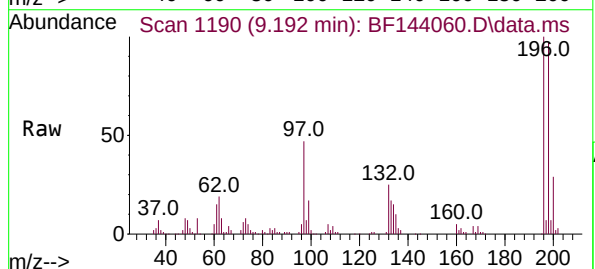
Ion Ratio Lower Upper

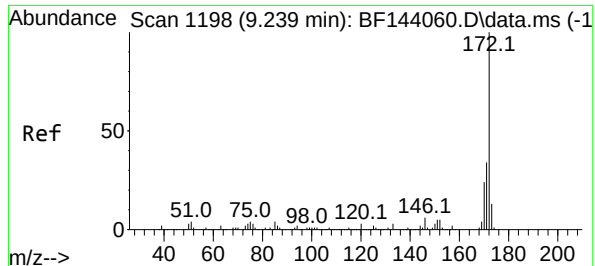
196 100

198 97.5 78.0 117.0

97 47.1 37.7 56.5

132 25.3 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 81.692 ng

RT: 9.239 min Scan# 1198

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

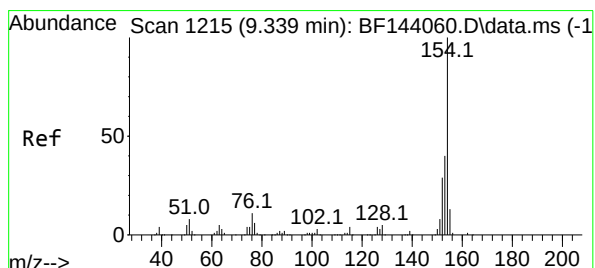
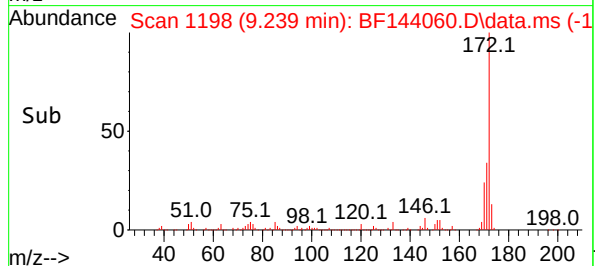
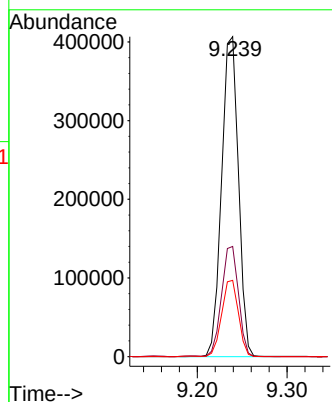
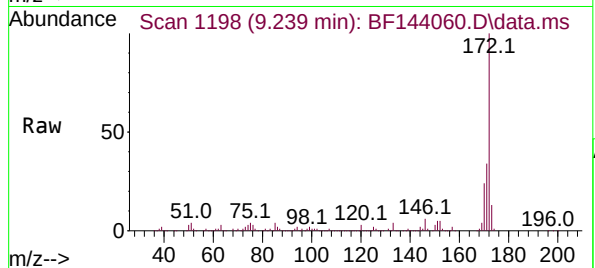
Tgt Ion:172 Resp: 531491

Ion Ratio Lower Upper

172 100

171 34.4 27.5 41.3

170 23.8 19.0 28.6



#46

1,1'-Biphenyl

Concen: 41.129 ng

RT: 9.339 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

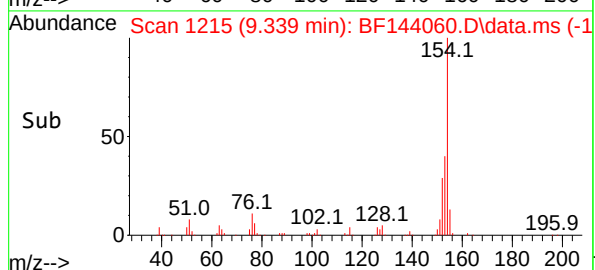
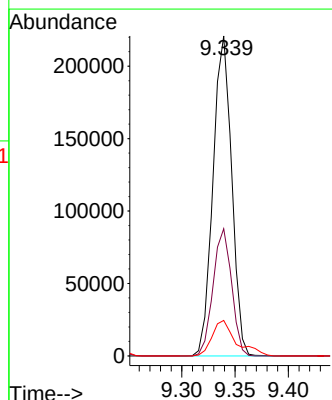
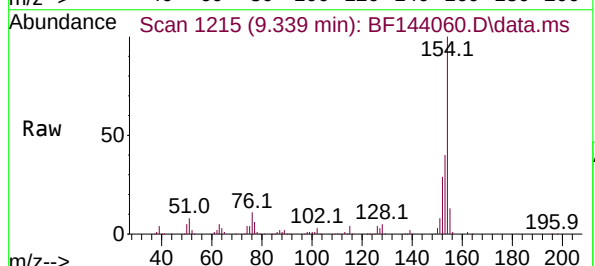
Tgt Ion:154 Resp: 269550

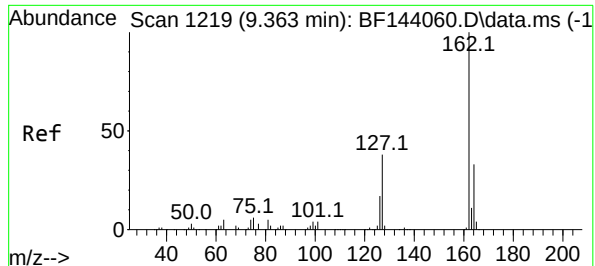
Ion Ratio Lower Upper

154 100

153 39.7 19.7 59.7

76 11.1 0.0 31.1





#47

2-Chloronaphthalene

Concen: 40.753 ng

RT: 9.363 min Scan# 1219

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

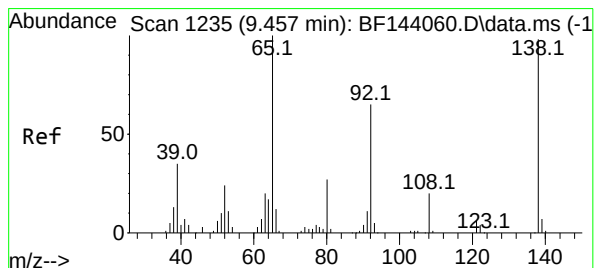
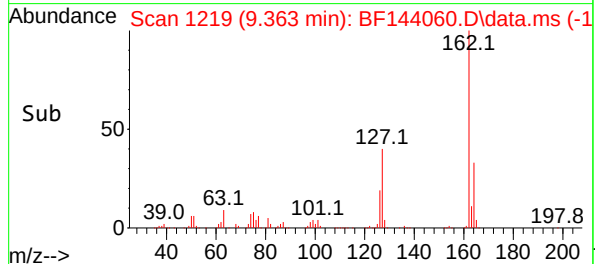
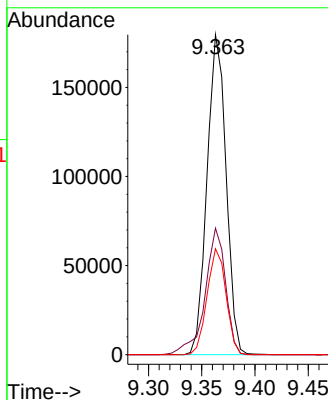
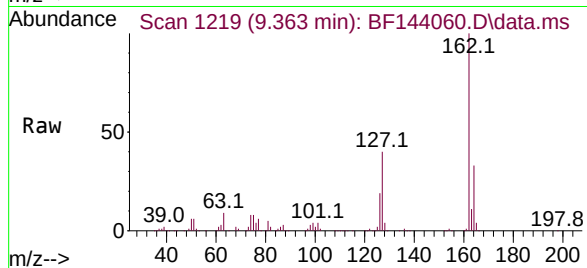
Tgt Ion:162 Resp: 223762

Ion Ratio Lower Upper

162 100

127 39.5 31.6 47.4

164 33.1 26.5 39.7



#48

2-Nitroaniline

Concen: 42.711 ng

RT: 9.457 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

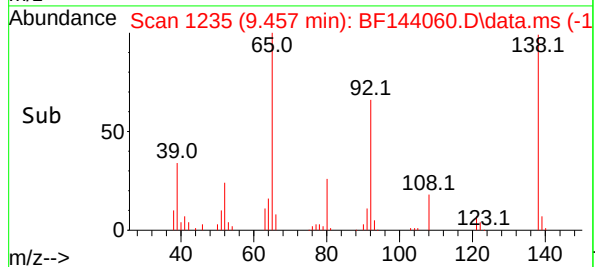
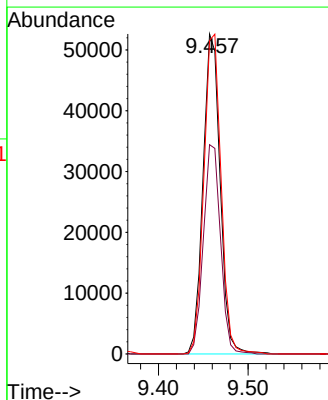
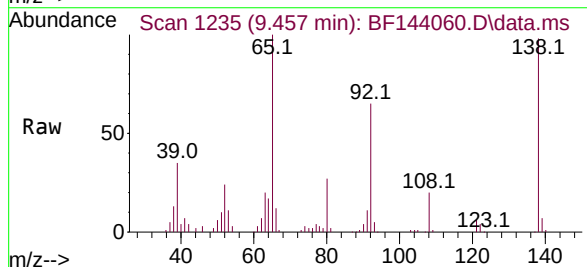
Tgt Ion: 65 Resp: 69638

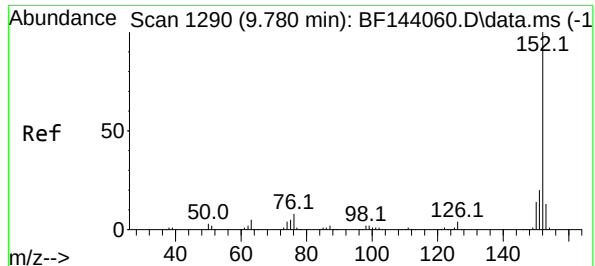
Ion Ratio Lower Upper

65 100

92 65.4 52.3 78.5

138 97.9 78.3 117.5





#49

Acenaphthylene

Concen: 42.112 ng

RT: 9.780 min Scan# 1290

Delta R.T. 0.000 min

Lab File: BF144060.D

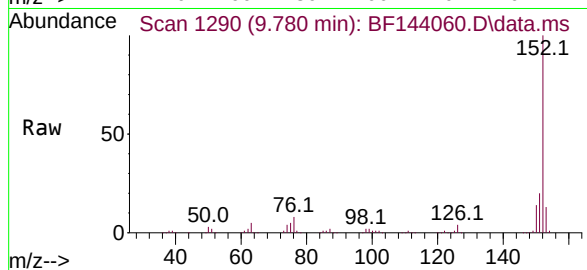
Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



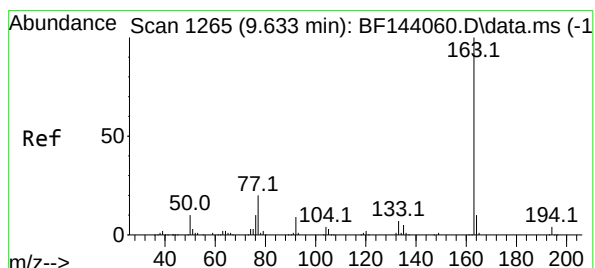
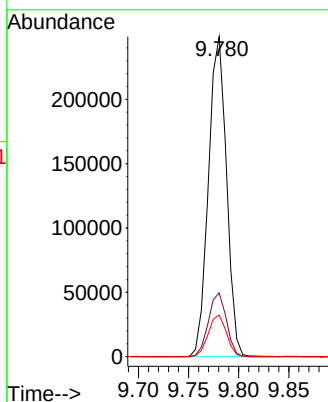
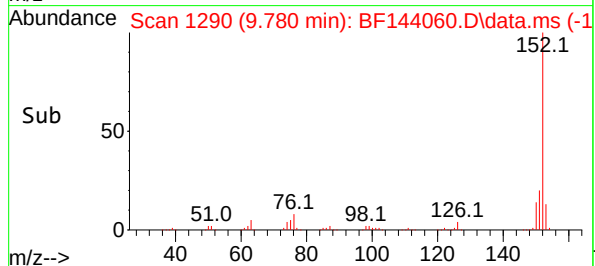
Tgt Ion:152 Resp: 311770

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

153 13.0 10.4 15.6



#50

Dimethylphthalate

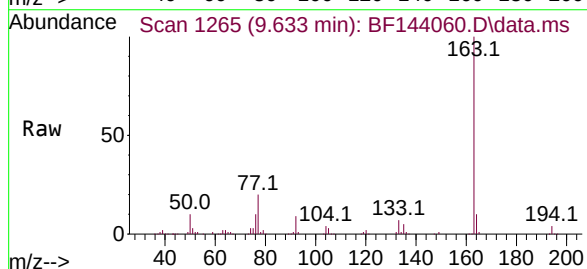
Concen: 41.666 ng

RT: 9.633 min Scan# 1265

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05



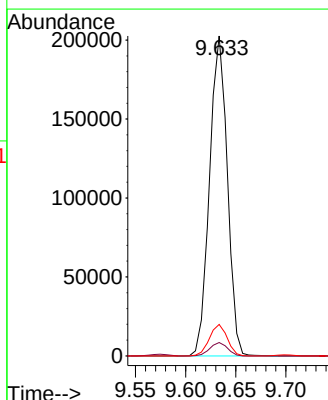
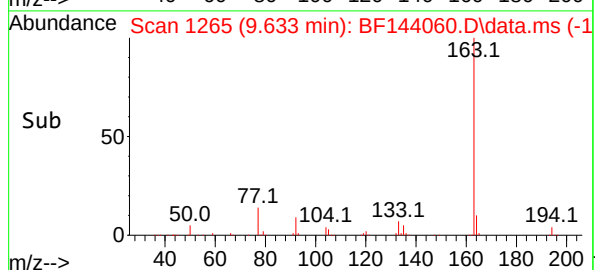
Tgt Ion:163 Resp: 250045

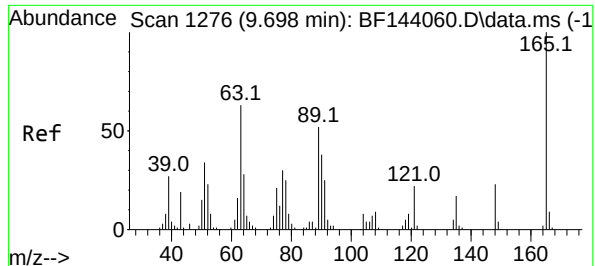
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 9.8 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 42.535 ng

RT: 9.698 min Scan# 1276

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

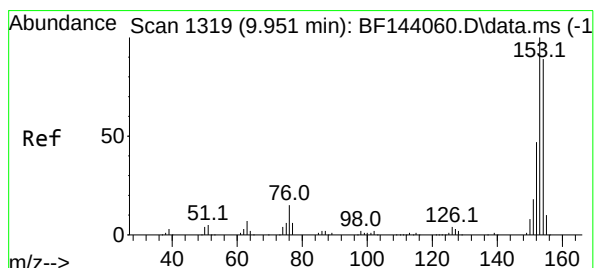
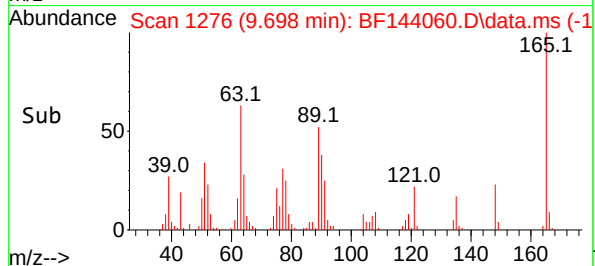
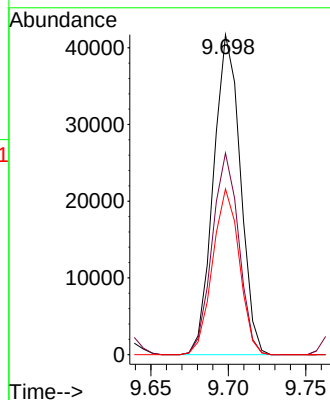
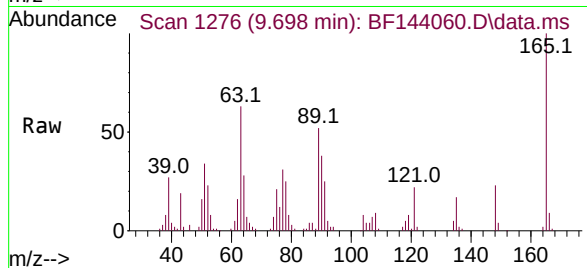
Tgt Ion:165 Resp: 50463

Ion Ratio Lower Upper

165 100

63 63.0 50.4 75.6

89 51.8 41.4 62.2



#52

Acenaphthene

Concen: 41.240 ng

RT: 9.951 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

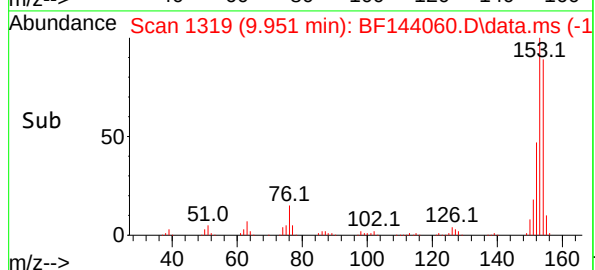
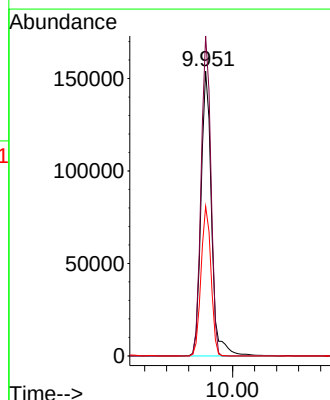
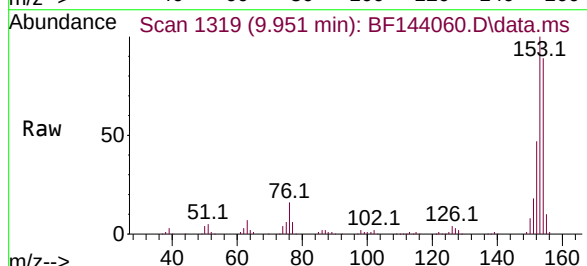
Tgt Ion:154 Resp: 203905

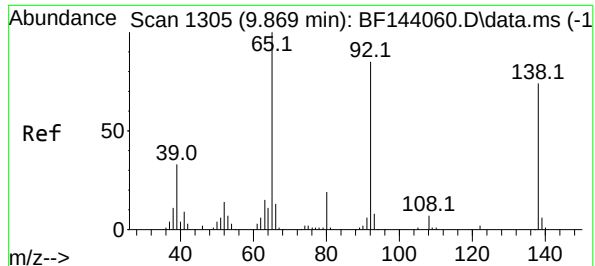
Ion Ratio Lower Upper

154 100

153 112.4 89.9 134.9

152 52.5 42.0 63.0





#53

3-Nitroaniline

Concen: 44.713 ng

RT: 9.869 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

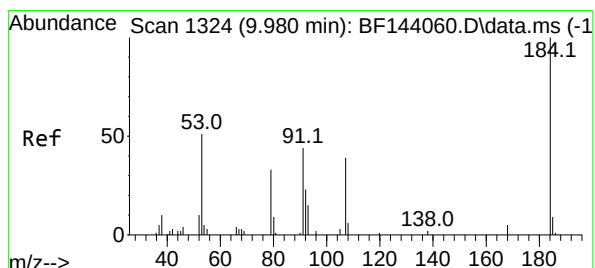
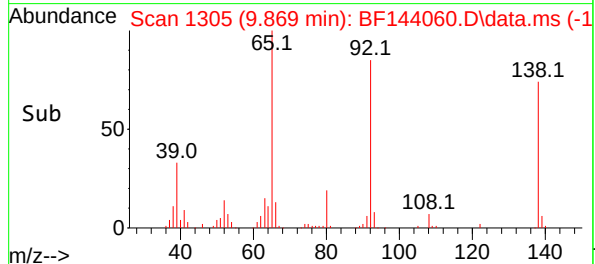
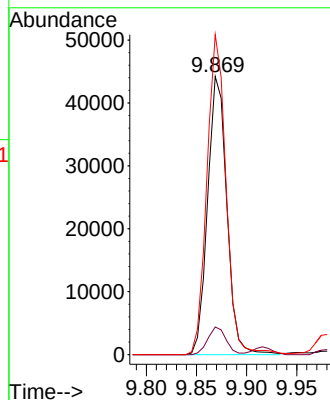
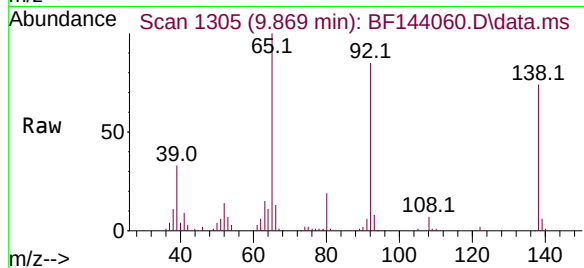
Tgt Ion:138 Resp: 58978

Ion Ratio Lower Upper

138 100

108 9.9 7.9 11.9

92 115.0 92.0 138.0



#54

2,4-Dinitrophenol

Concen: 35.283 ng

RT: 9.980 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

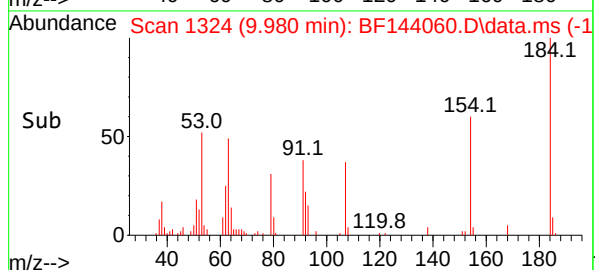
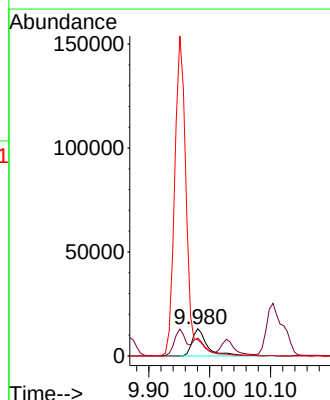
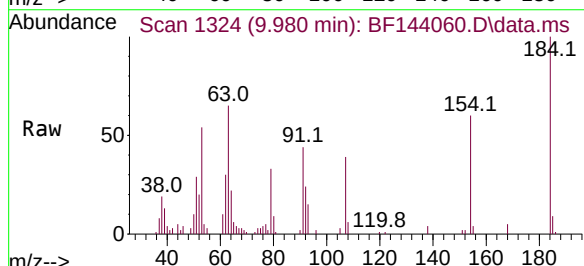
Tgt Ion:184 Resp: 22640

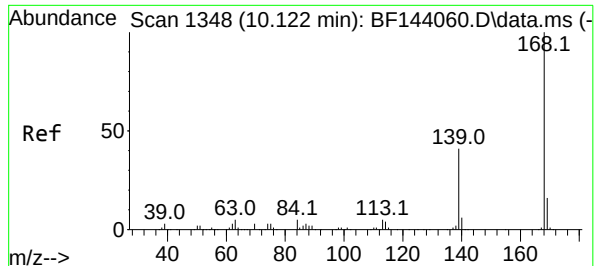
Ion Ratio Lower Upper

184 100

63 65.1 52.1 78.1

154 59.9 47.9 71.9

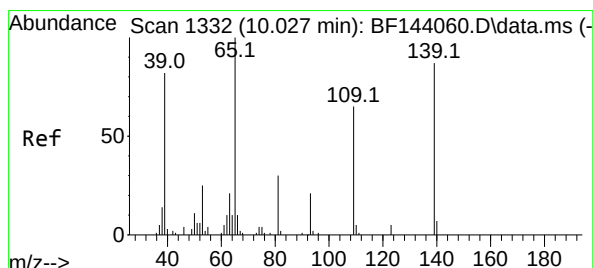
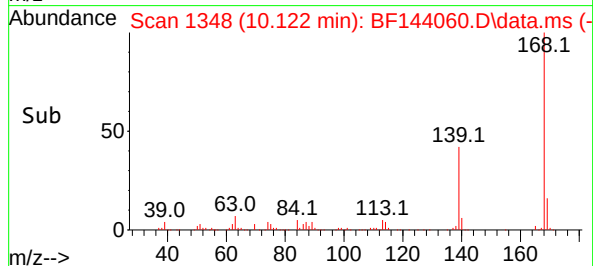
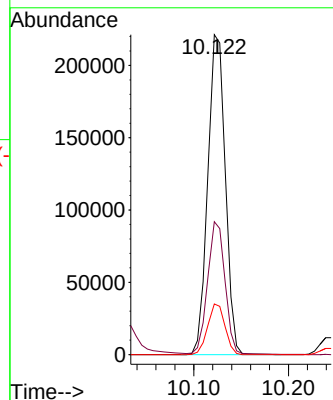
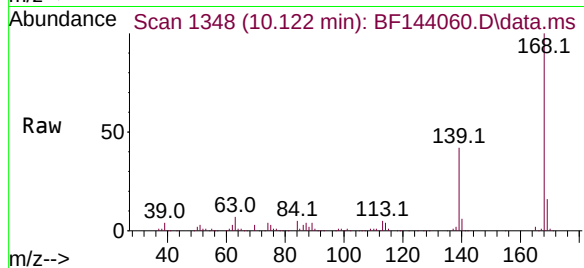




#55
Dibenzofuran
Concen: 41.592 ng
RT: 10.122 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

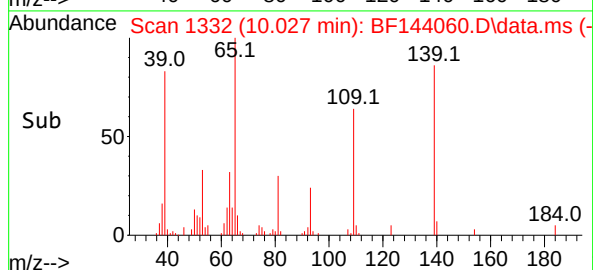
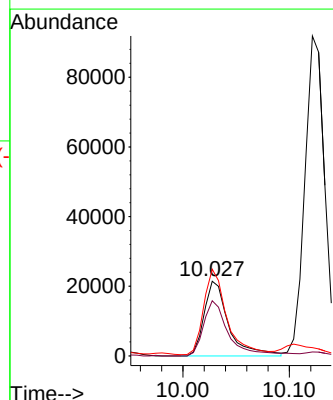
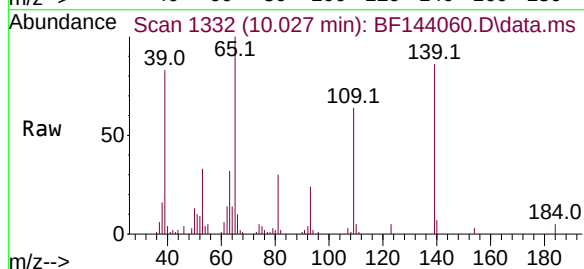
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

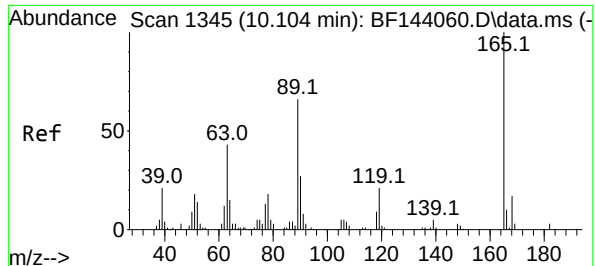
Tgt Ion:168 Resp: 285490
Ion Ratio Lower Upper
168 100
139 41.5 33.2 49.8
169 15.8 12.6 19.0



#56
4-Nitrophenol
Concen: 38.279 ng
RT: 10.027 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:139 Resp: 34191
Ion Ratio Lower Upper
139 100
109 73.8 53.8 93.8
65 115.9 95.9 135.9

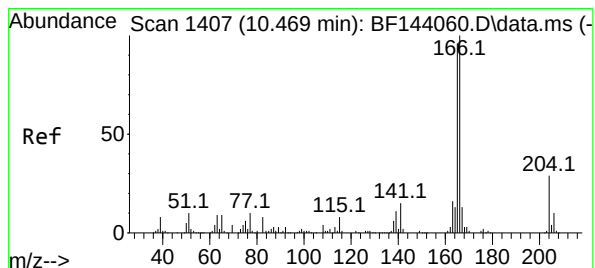
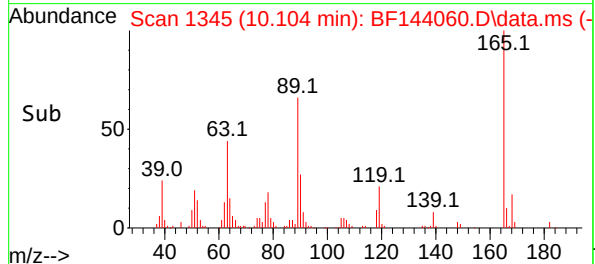
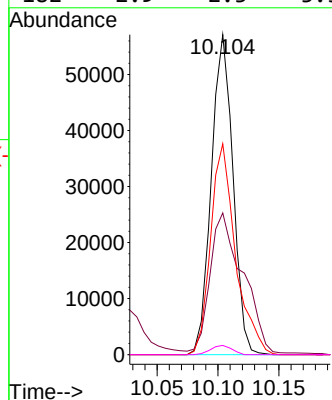
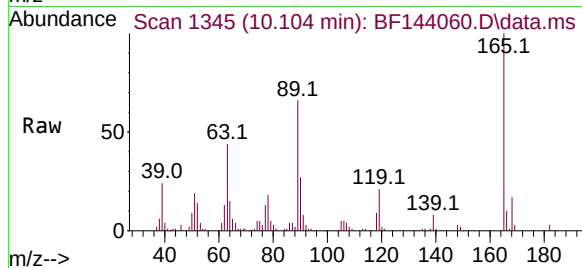




#57
2,4-Dinitrotoluene
Concen: 44.075 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

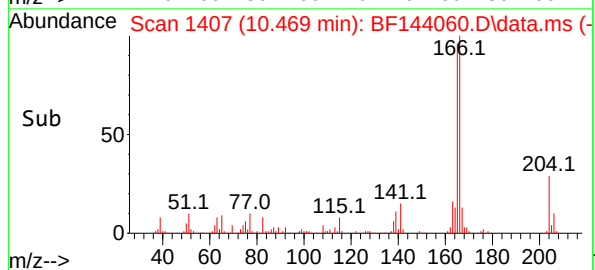
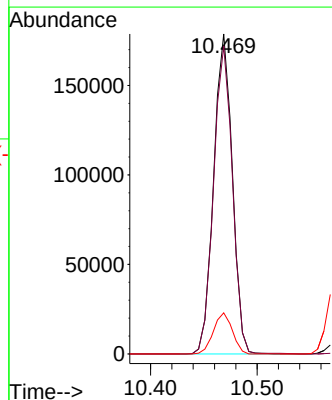
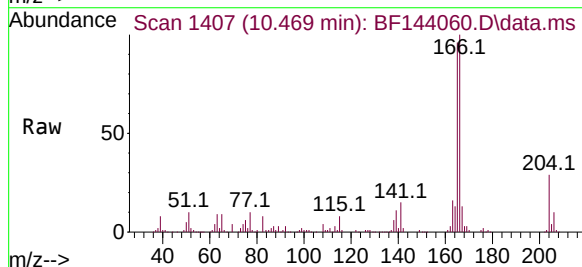
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

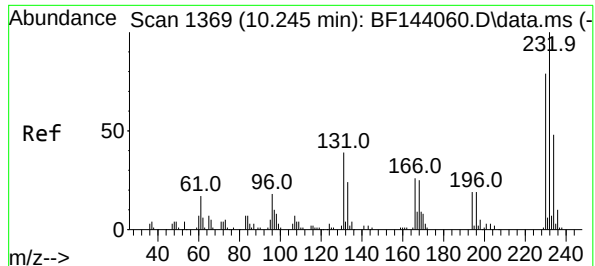
Tgt Ion:	165	Resp:	70572
Ion Ratio	Lower	Upper	
165	100		
63	44.3	35.4	53.2
89	65.9	52.7	79.1
182	2.9	2.3	3.5



#58
Fluorene
Concen: 41.604 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:	166	Resp:	217594
Ion Ratio	Lower	Upper	
166	100		
165	96.2	77.0	115.4
167	12.8	10.2	15.4

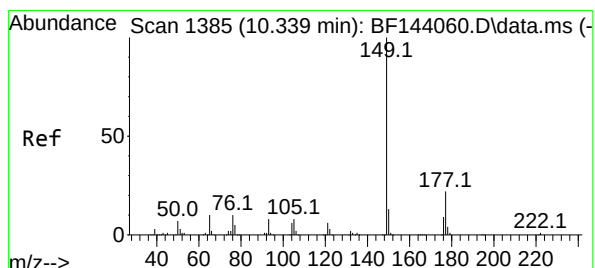
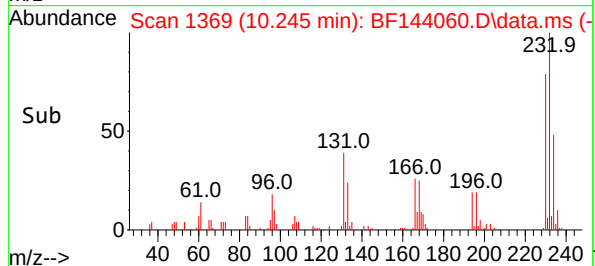
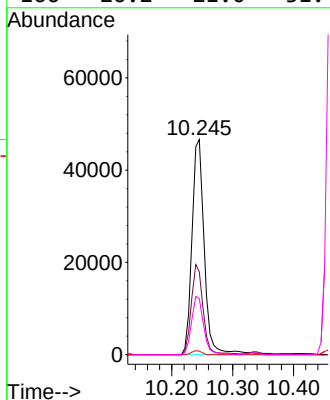
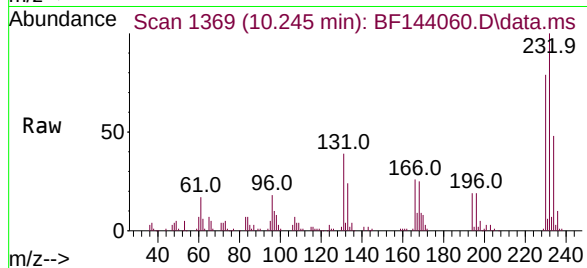




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.585 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

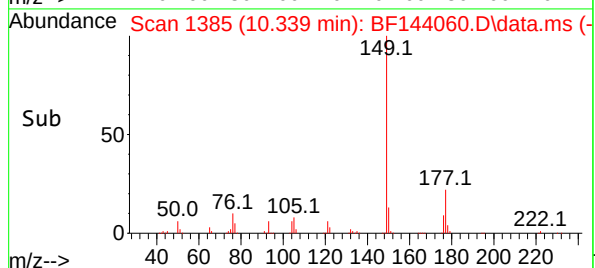
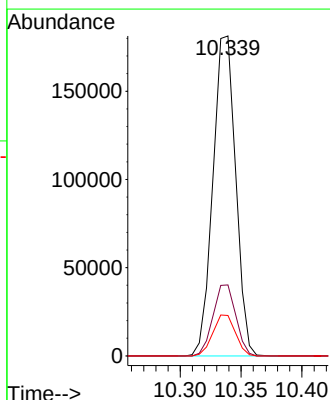
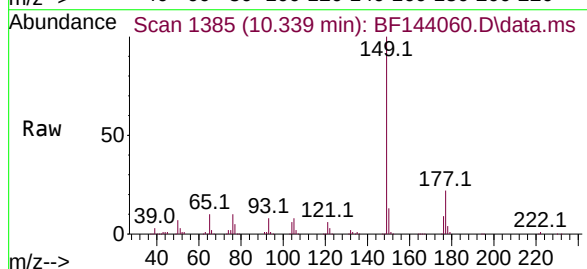
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

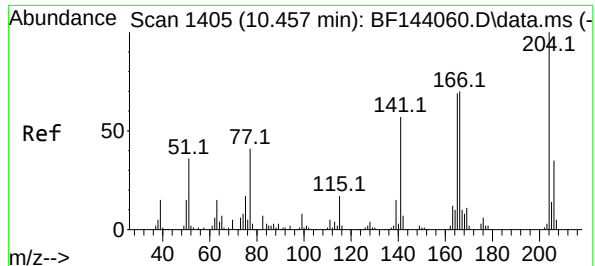
Tgt Ion:232 Resp: 65926
Ion Ratio Lower Upper
232 100
131 39.9 31.9 47.9
130 1.4 1.1 1.7
166 26.2 21.0 31.4



#60
Diethylphthalate
Concen: 41.838 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:149 Resp: 236119
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.6 10.1 15.1

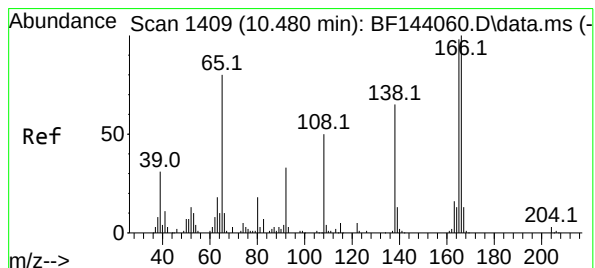
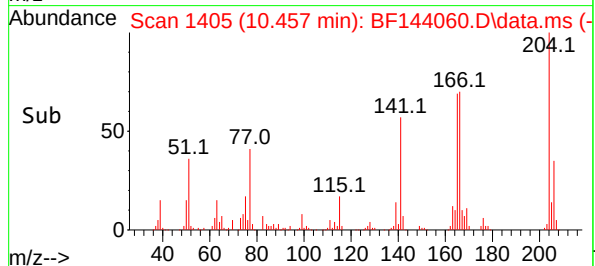
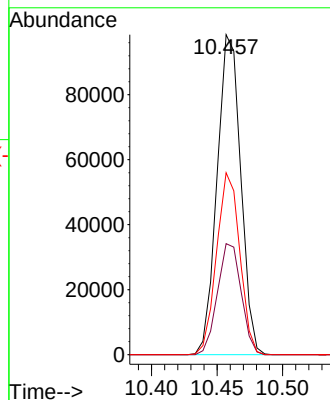
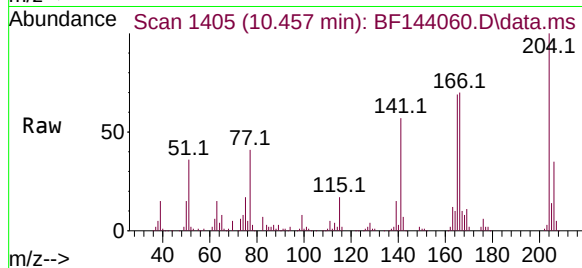




#61
4-Chlorophenyl-phenylether
Concen: 42.022 ng
RT: 10.457 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

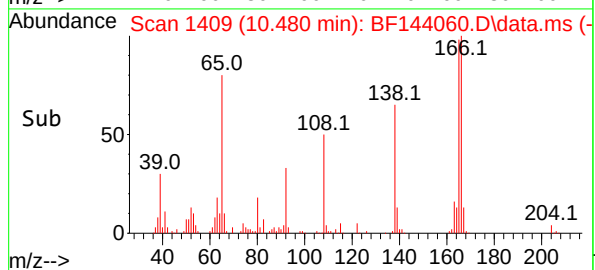
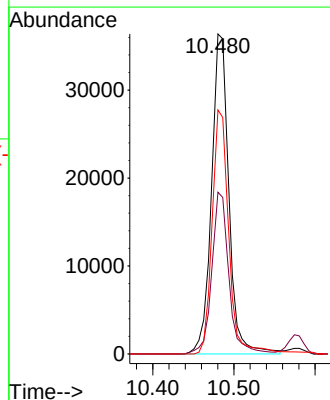
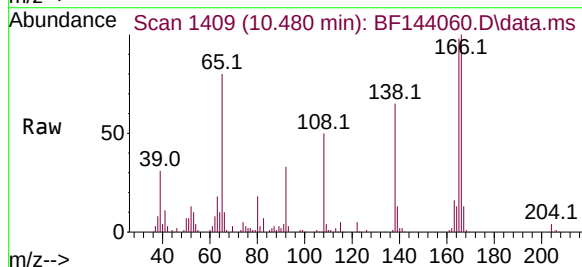
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

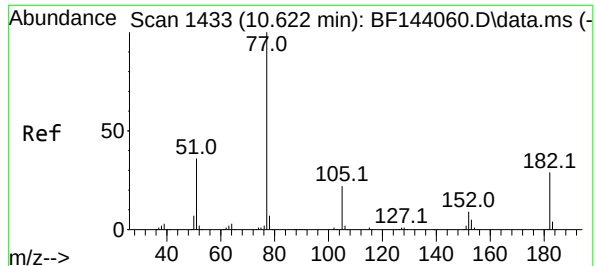
Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.7	27.8	41.6
141	56.8	45.4	68.2



#62
4-Nitroaniline
Concen: 43.392 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.5	30.5	70.5
108	76.2	56.2	96.2

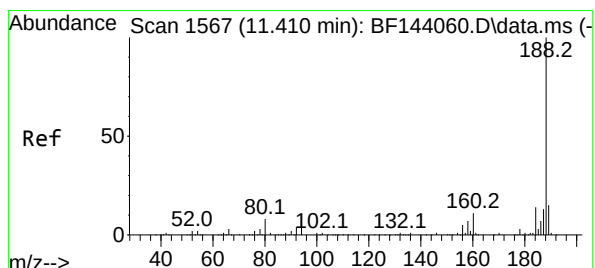
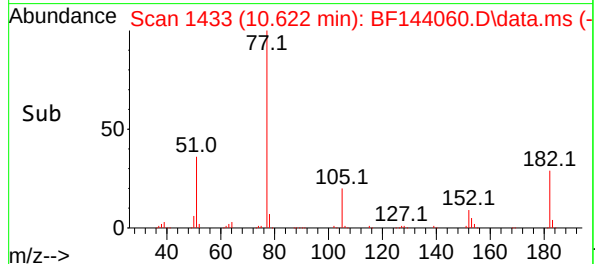
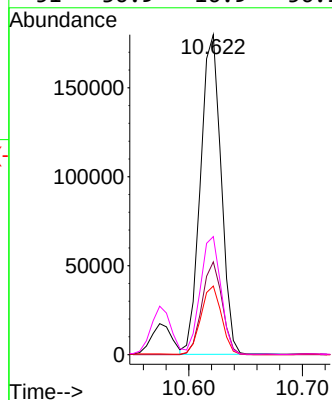
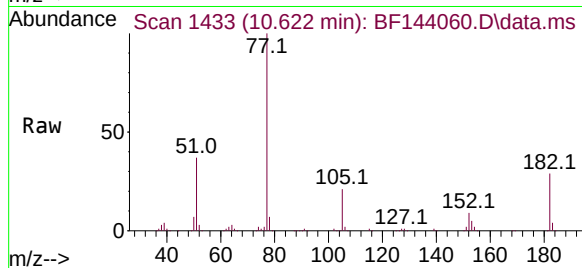




#63
Azobenzene
Concen: 42.381 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

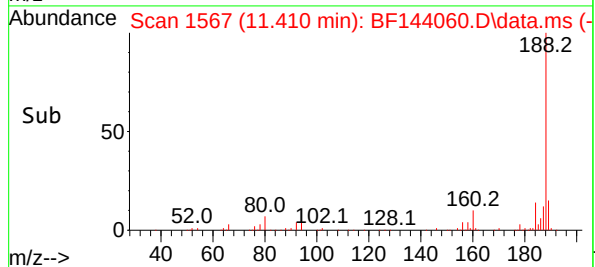
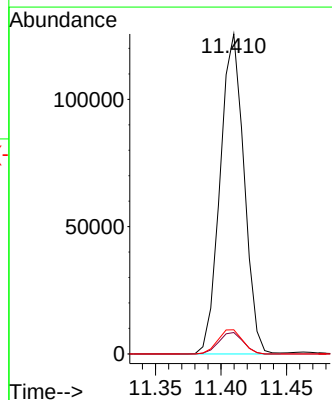
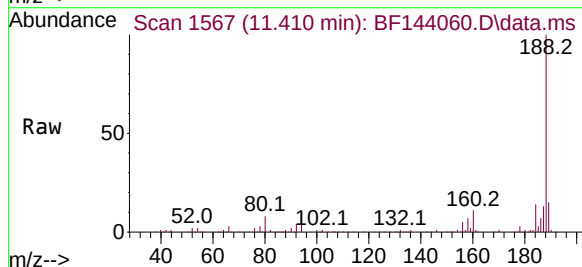
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

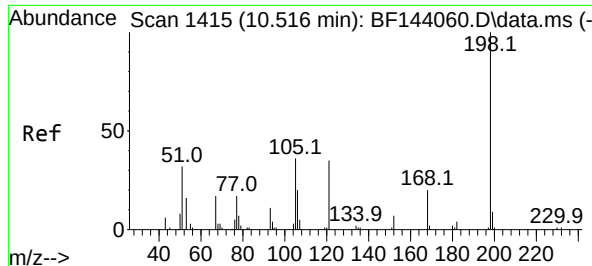
Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.0	9.0	49.0
105	21.4	1.4	41.4
51	36.9	16.9	56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.4	8.0
80	7.5	6.0	9.0

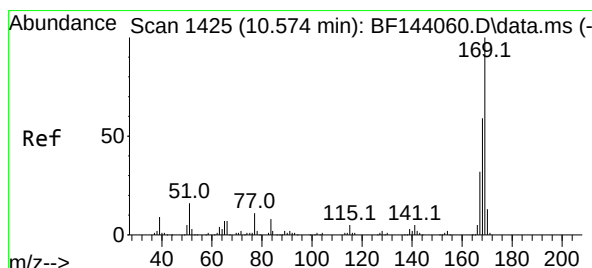
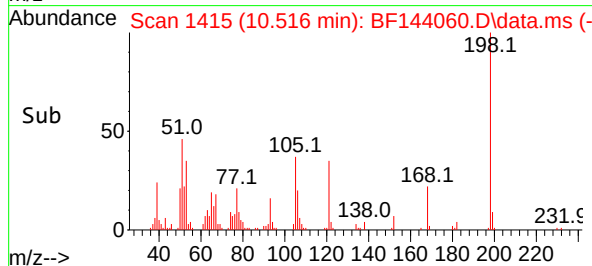
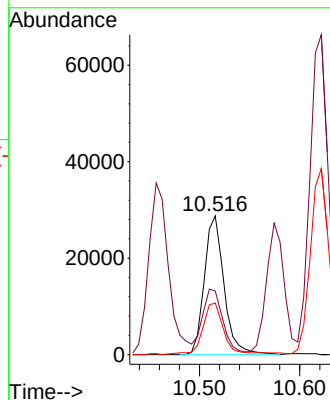
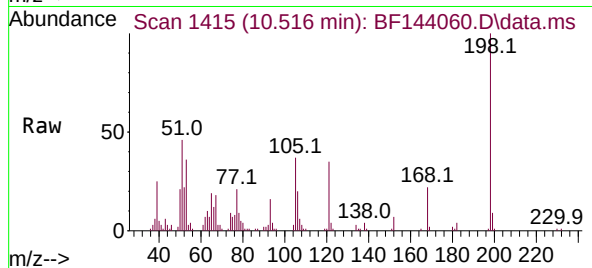




#65
4,6-Dinitro-2-methylphenol
Concen: 38.223 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

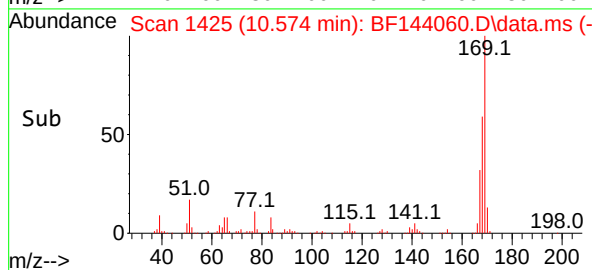
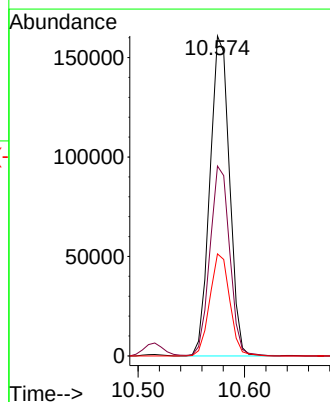
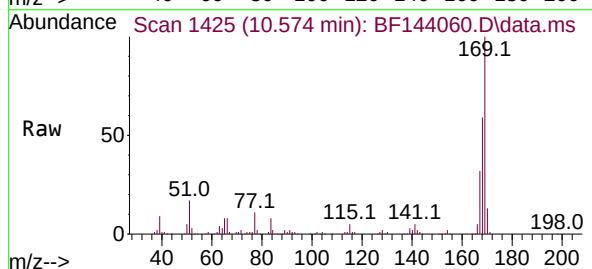
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

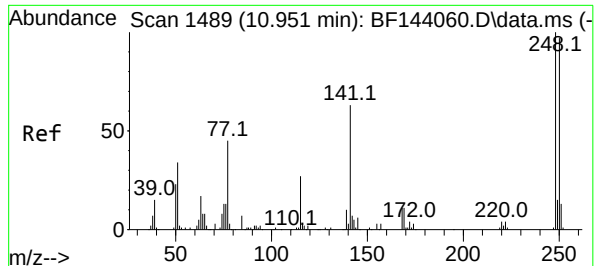
Tgt Ion	Ratio	Lower	Upper
198	100		
51	45.8	25.8	65.8
105	37.2	17.2	57.2



#66
n-Nitrosodiphenylamine
Concen: 40.226 ng
RT: 10.574 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion	Ratio	Lower	Upper
169	100		
168	59.3	47.4	71.2
167	31.9	25.5	38.3

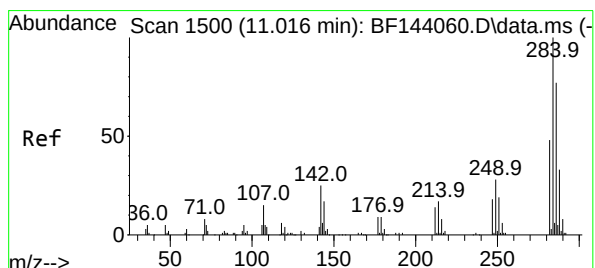
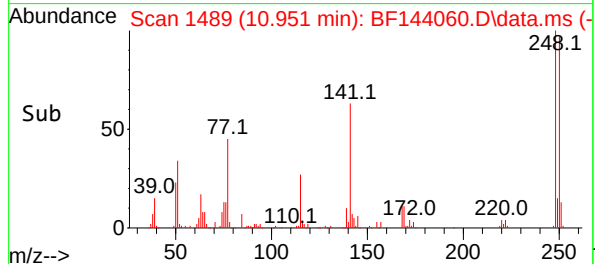
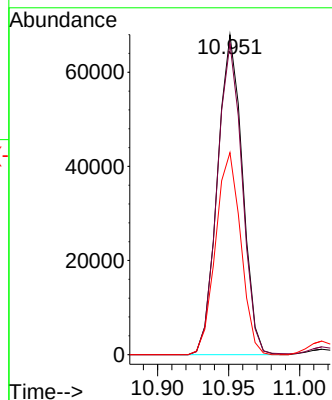
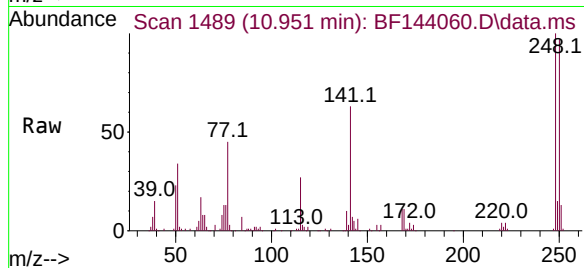




#67
4-Bromophenyl-phenylether
Concen: 41.585 ng
RT: 10.951 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

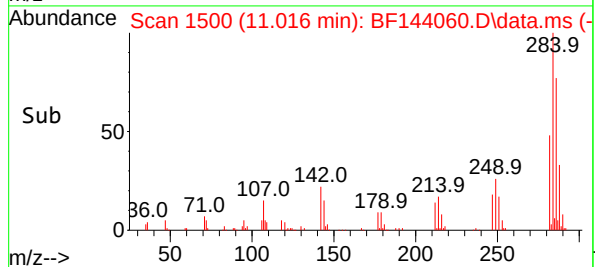
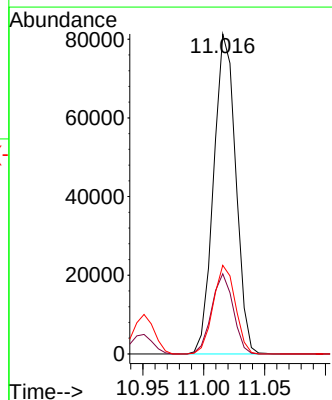
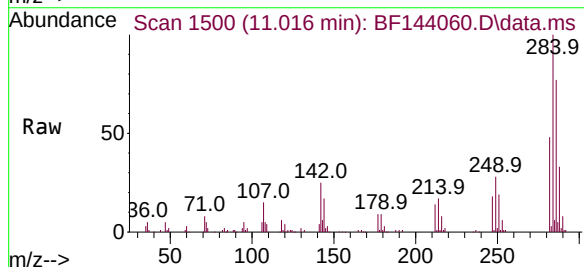
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

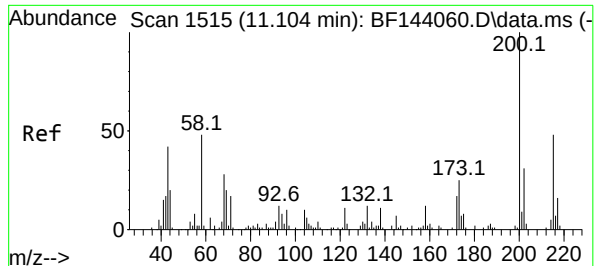
Tgt Ion:248 Resp: 83105
Ion Ratio Lower Upper
248 100
250 97.2 77.8 116.6
141 63.1 50.5 75.7



#68
Hexachlorobenzene
Concen: 41.869 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:284 Resp: 102619
Ion Ratio Lower Upper
284 100
142 25.0 20.0 30.0
249 27.7 22.2 33.2





#69

Atrazine

Concen: 39.753 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

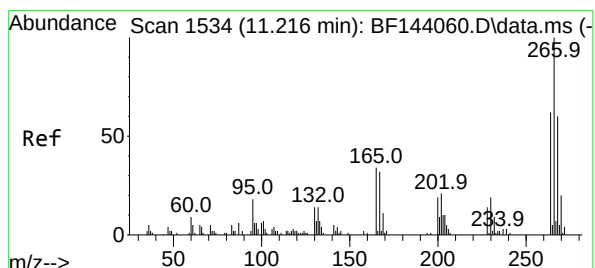
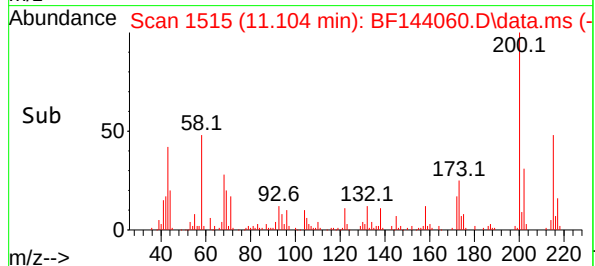
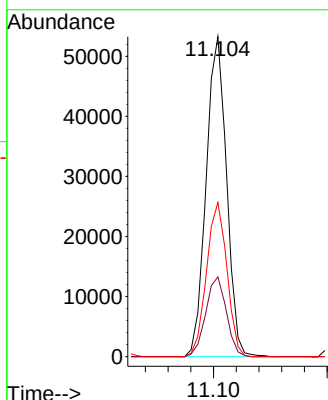
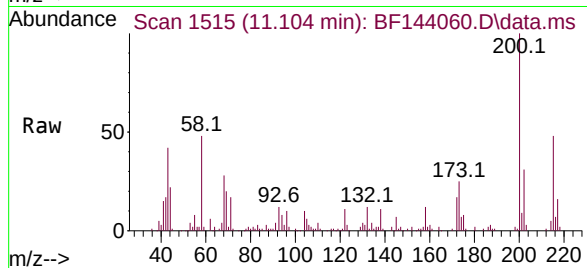
Tgt Ion:200 Resp: 66524

Ion Ratio Lower Upper

200 100

173 24.9 4.9 44.9

215 48.2 28.2 68.2



#70

Pentachlorophenol

Concen: 40.953 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

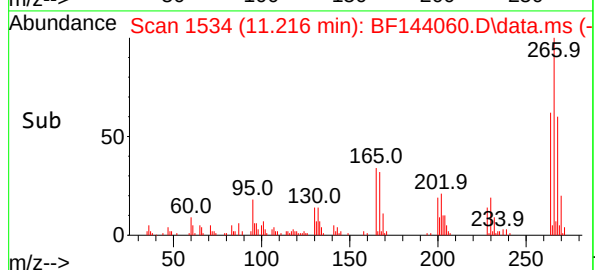
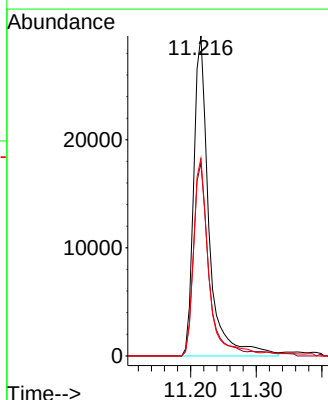
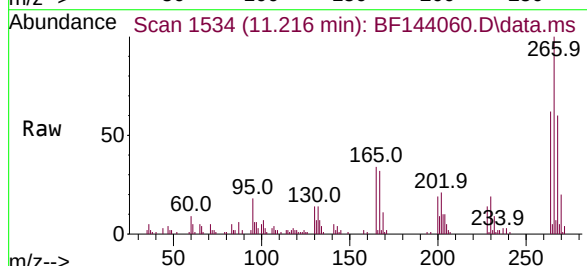
Tgt Ion:266 Resp: 47778

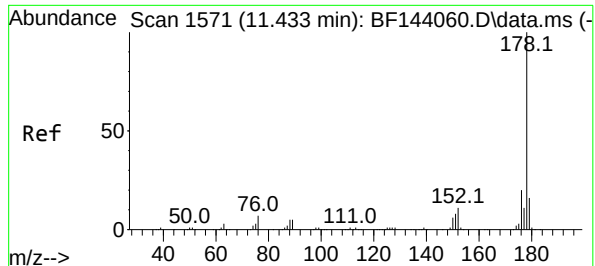
Ion Ratio Lower Upper

266 100

268 60.3 48.2 72.4

264 61.7 49.4 74.0

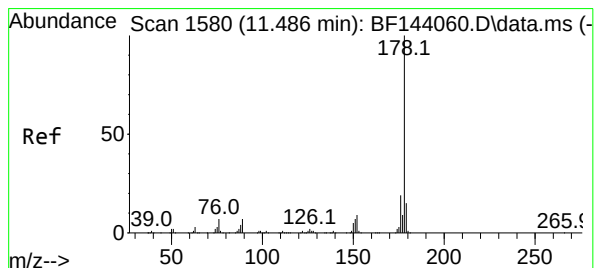
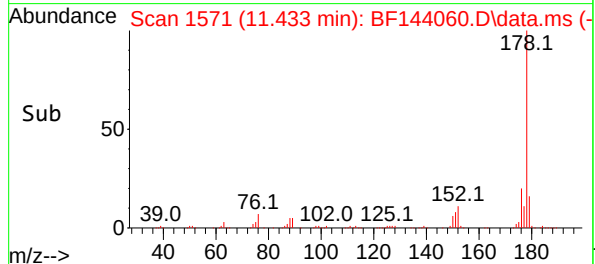
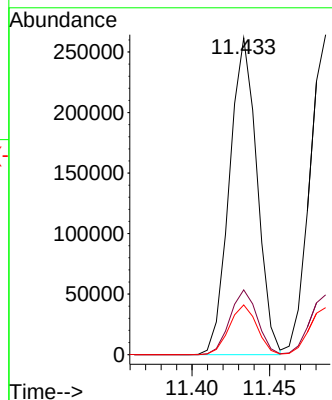
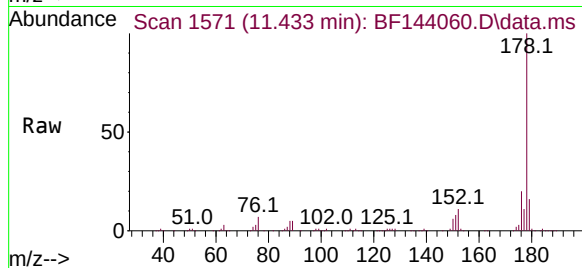




#71
Phenanthrene
Concen: 40.961 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

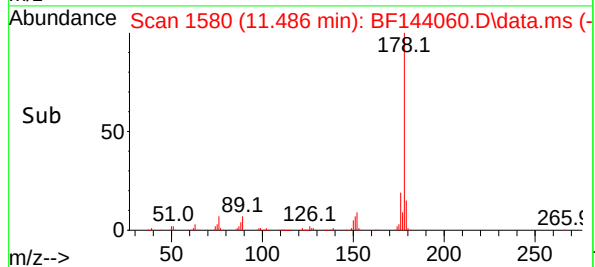
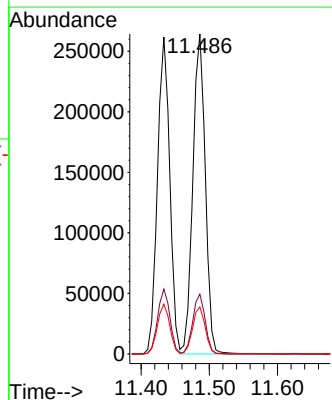
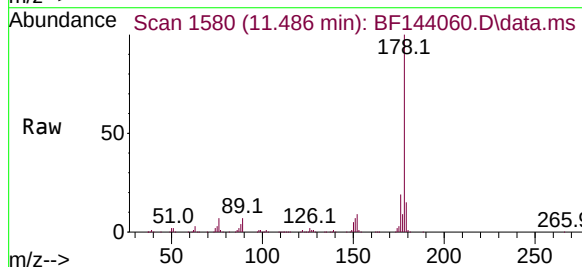
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

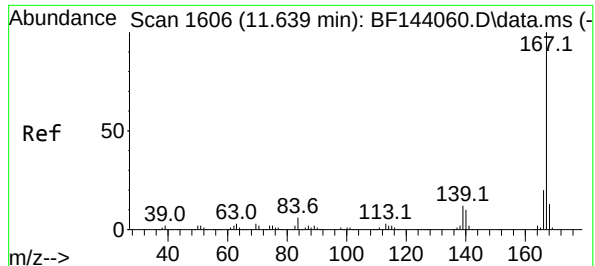
Tgt Ion:178 Resp: 324774
Ion Ratio Lower Upper
178 100
176 20.4 16.3 24.5
179 15.7 12.6 18.8



#72
Anthracene
Concen: 41.053 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:178 Resp: 336252
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 14.7 11.8 17.6

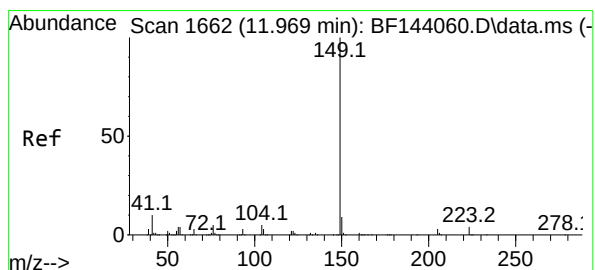
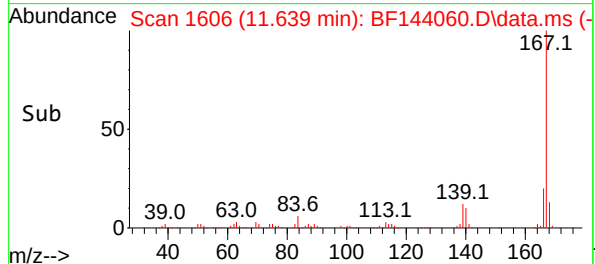
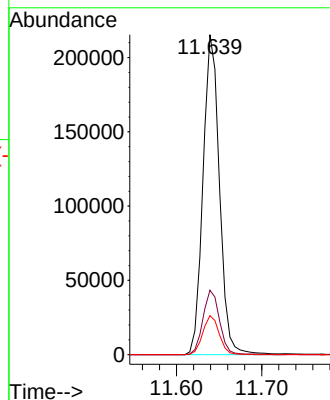
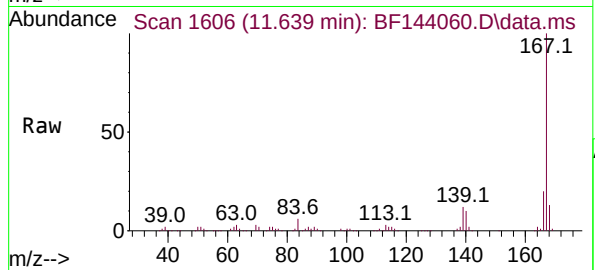




#73
Carbazole
Concen: 41.458 ng
RT: 11.639 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

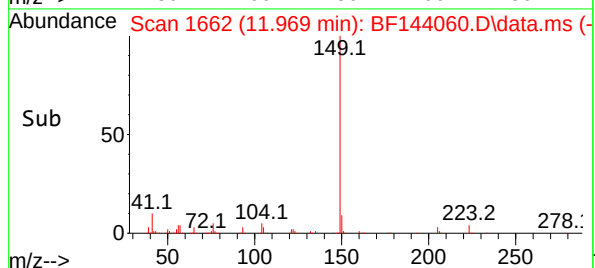
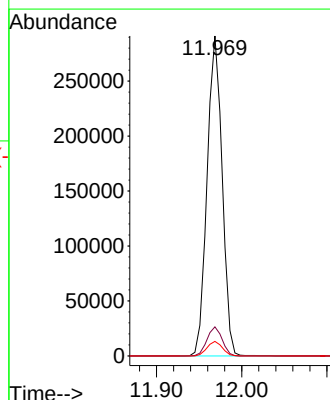
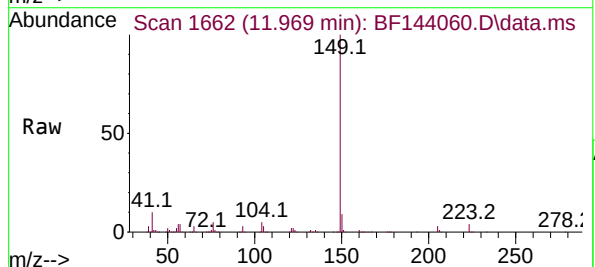
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

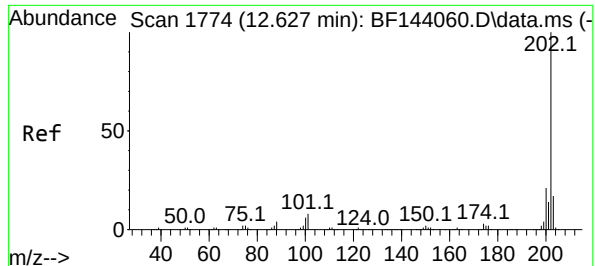
Tgt Ion:167 Resp: 289029
Ion Ratio Lower Upper
167 100
166 20.1 16.1 24.1
139 12.2 9.8 14.6



#74
Di-n-butylphthalate
Concen: 41.770 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:149 Resp: 357025
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 4.5 3.6 5.4

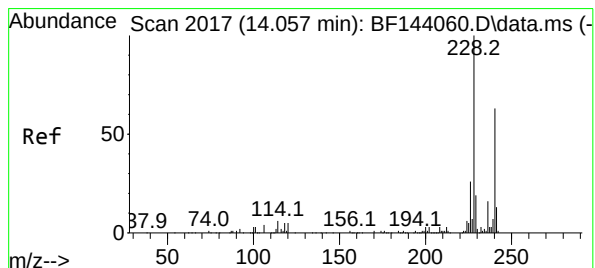
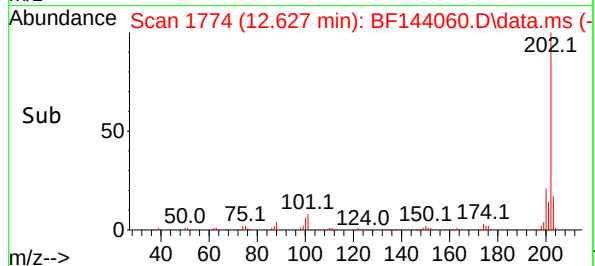
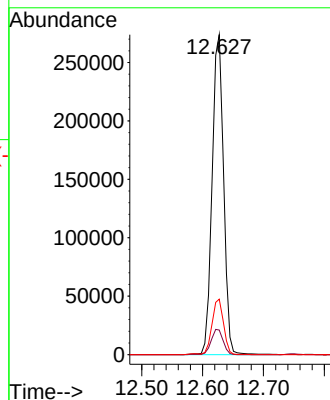
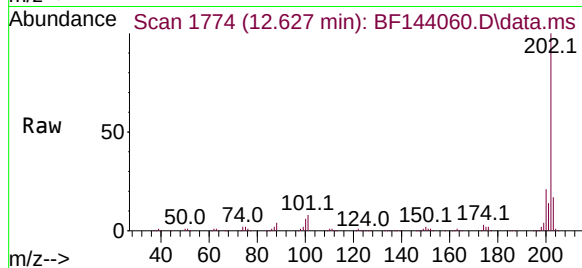




#75
Fluoranthene
Concen: 40.917 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

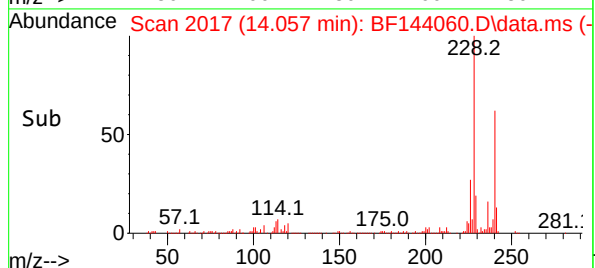
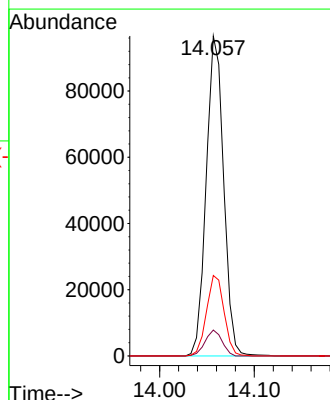
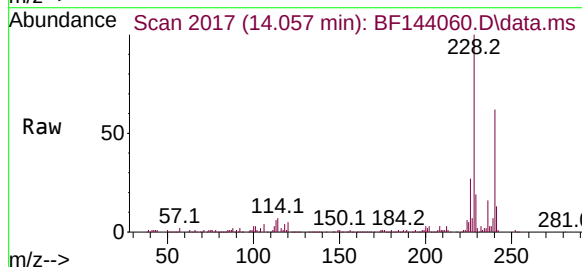
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

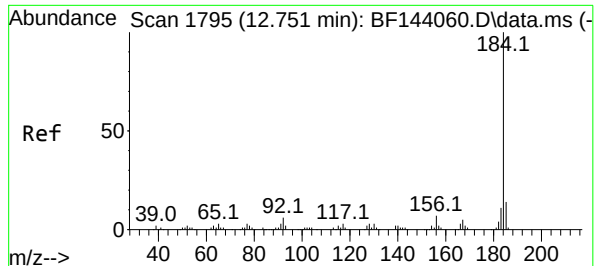
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	27.7
203	17.3	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	25.1	20.1	30.1





#77

Benzidine

Concen: 42.766 ng

RT: 12.751 min Scan# 1795

Delta R.T. 0.000 min

Lab File: BF144060.D

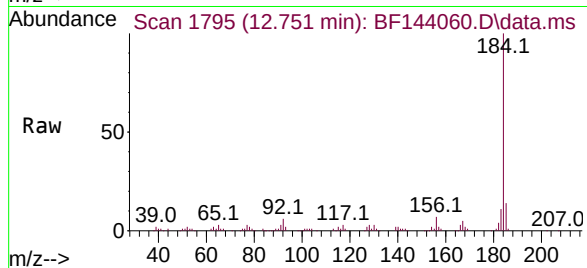
Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



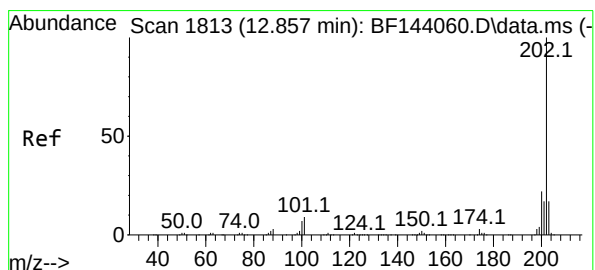
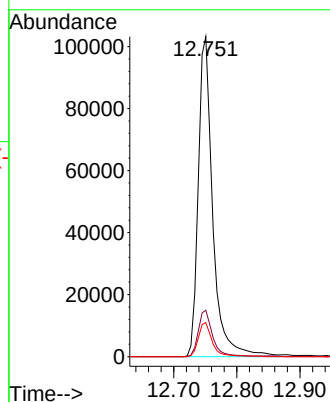
Tgt Ion:184 Resp: 164527

Ion Ratio Lower Upper

184 100

185 14.5 11.6 17.4

183 10.6 8.5 12.7



#78

Pyrene

Concen: 42.300 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

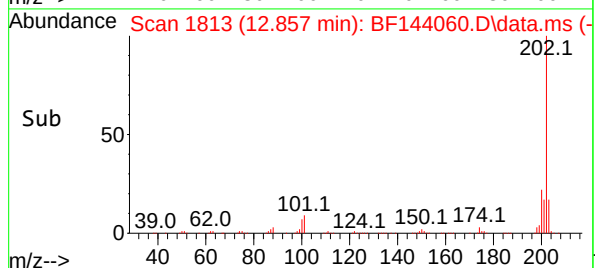
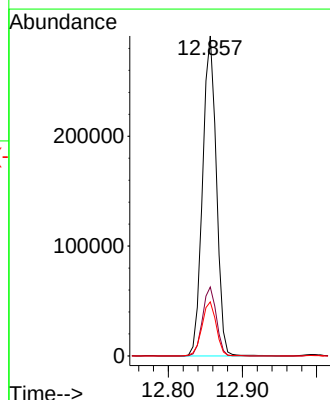
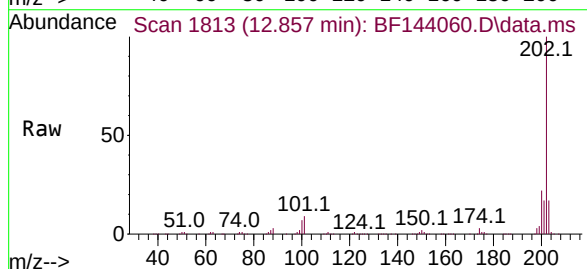
Tgt Ion:202 Resp: 375923

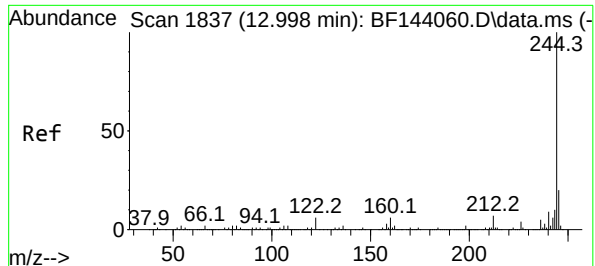
Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 16.9 13.5 20.3





#79

Terphenyl-d14

Concen: 84.737 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

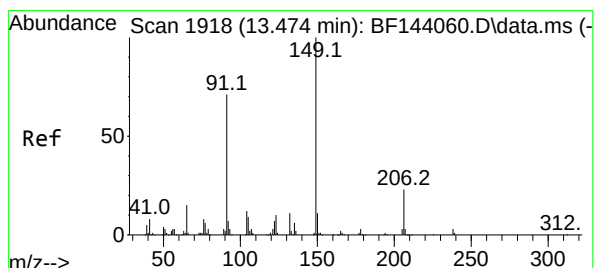
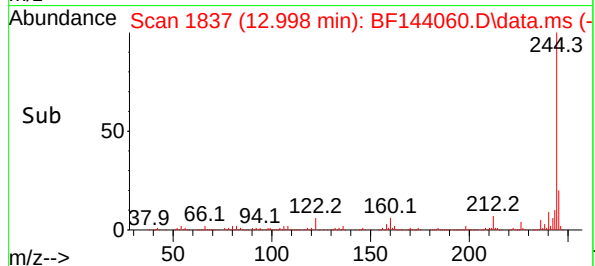
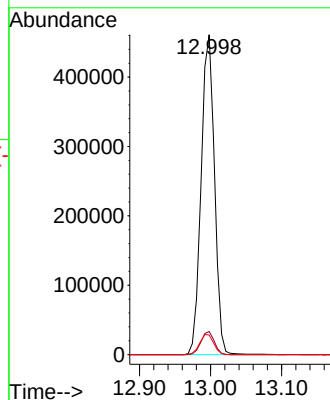
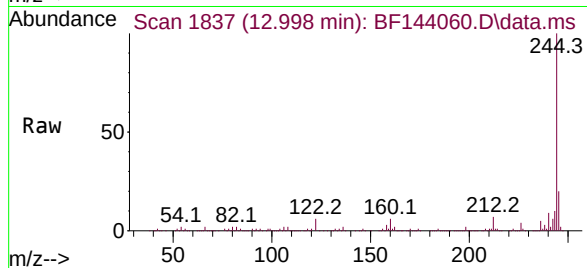
Tgt Ion:244 Resp: 599175

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 6.1 4.9 7.3



#80

Butylbenzylphthalate

Concen: 44.204 ng

RT: 13.474 min Scan# 1918

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

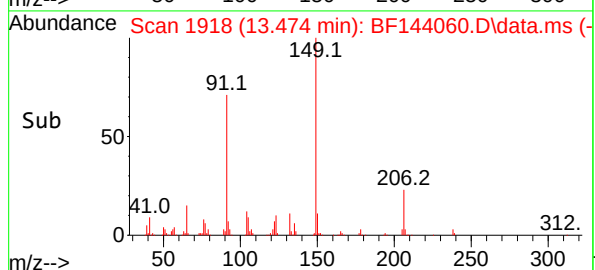
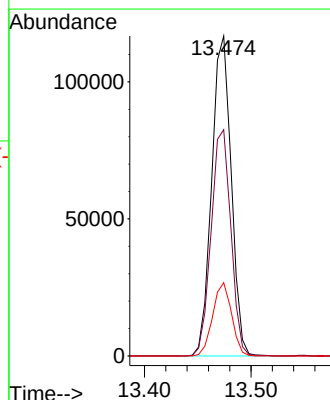
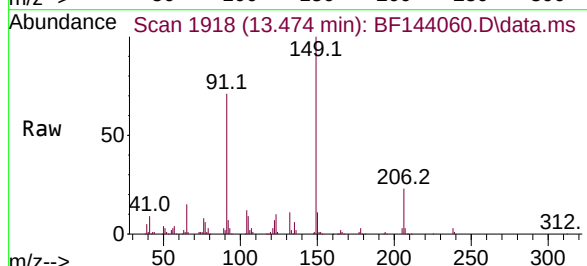
Tgt Ion:149 Resp: 148621

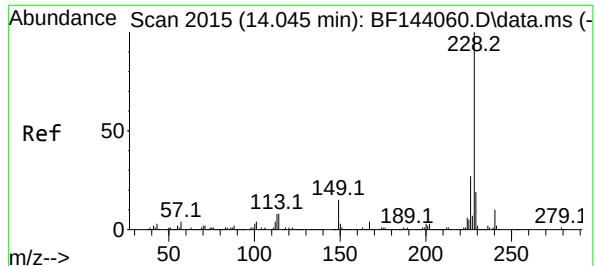
Ion Ratio Lower Upper

149 100

91 70.7 56.6 84.8

206 22.9 18.3 27.5

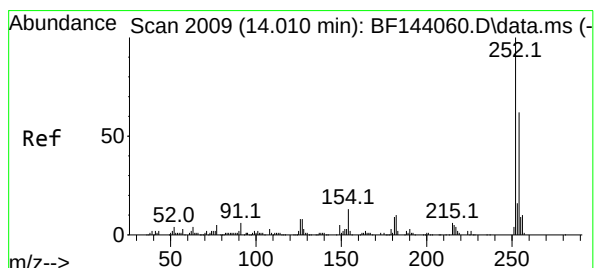
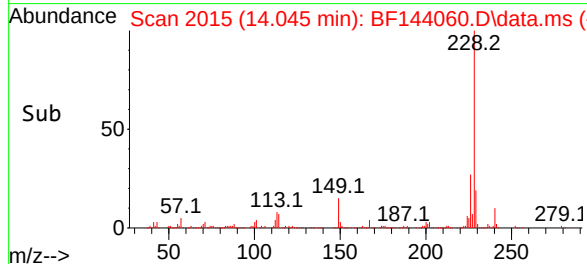
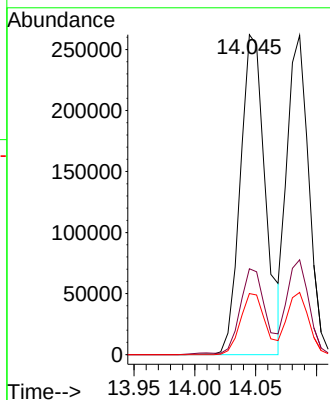
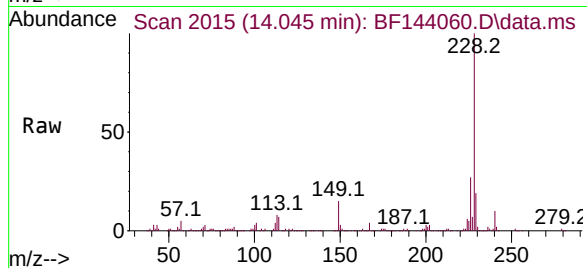




#81
Benzo(a)anthracene
Concen: 44.863 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

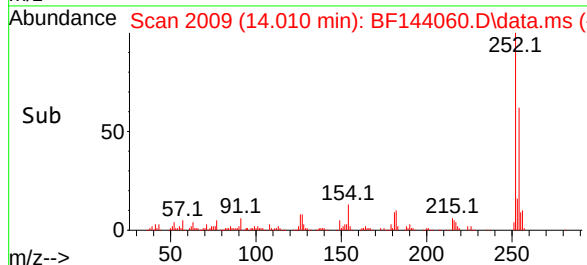
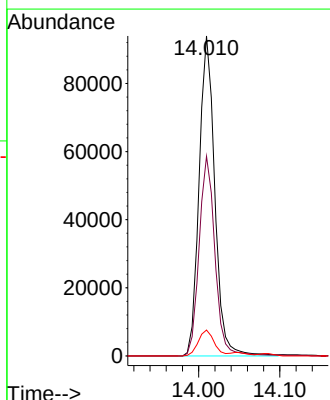
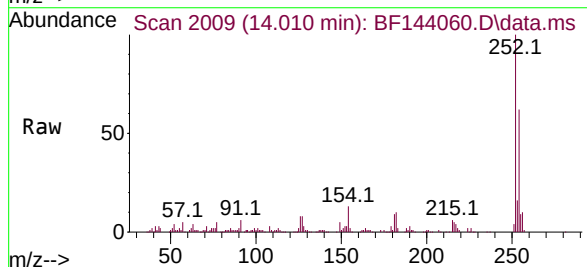
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

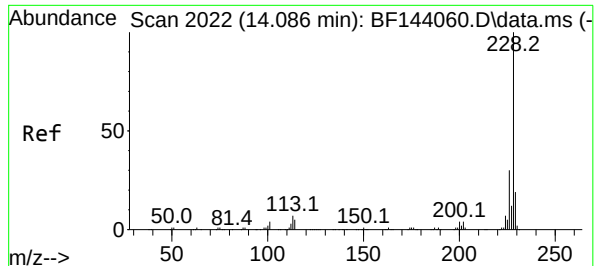
Tgt Ion:228 Resp: 374791
Ion Ratio Lower Upper
228 100
226 26.8 21.4 32.2
229 19.1 15.3 22.9



#82
3,3'-Dichlorobenzidine
Concen: 43.337 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:252 Resp: 126028
Ion Ratio Lower Upper
252 100
254 62.4 49.9 74.9
126 8.1 6.5 9.7





#83

Chrysene

Concen: 41.590 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

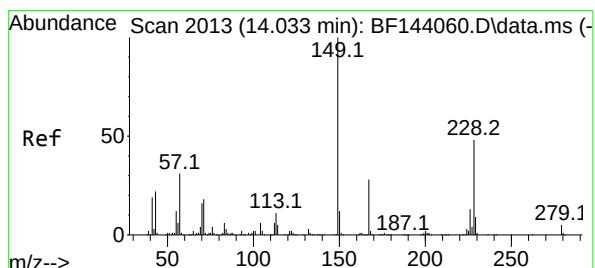
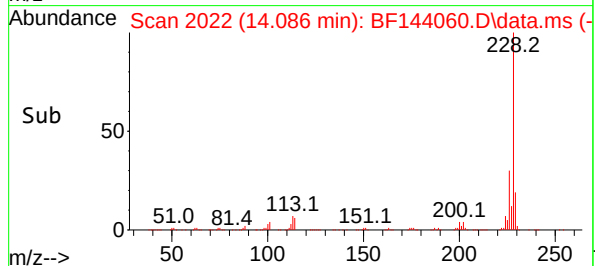
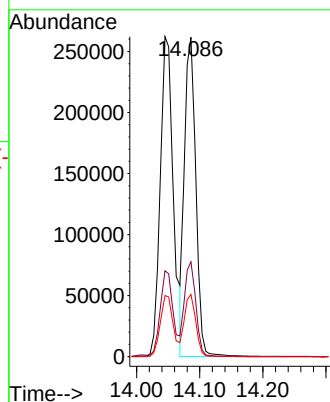
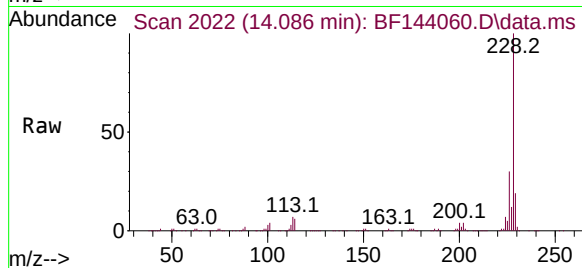
Tgt Ion:228 Resp: 326041

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.805 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

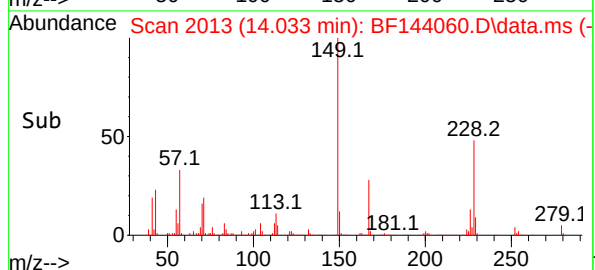
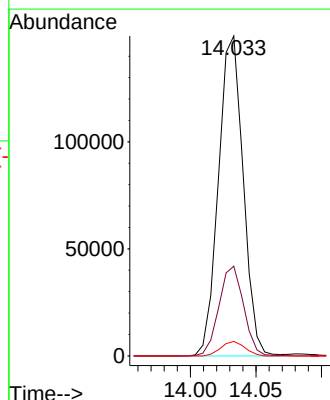
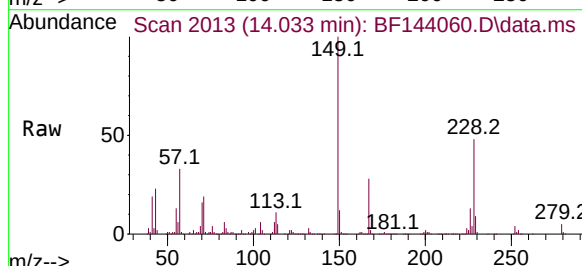
Tgt Ion:149 Resp: 196471

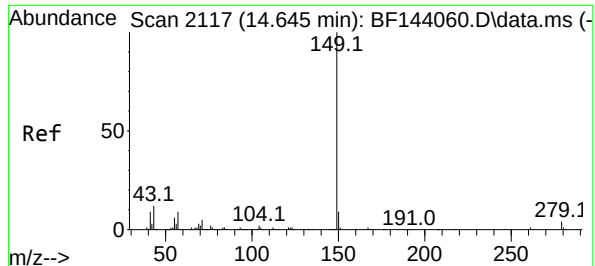
Ion Ratio Lower Upper

149 100

167 28.1 22.5 33.7

279 4.5 3.6 5.4

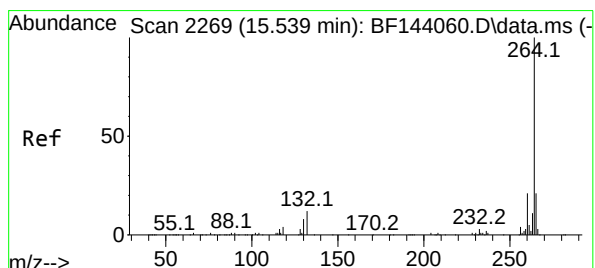
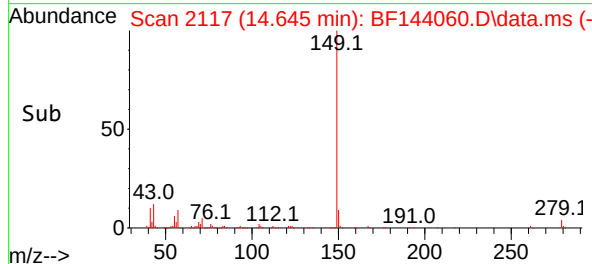
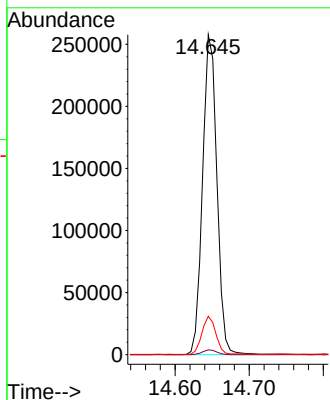
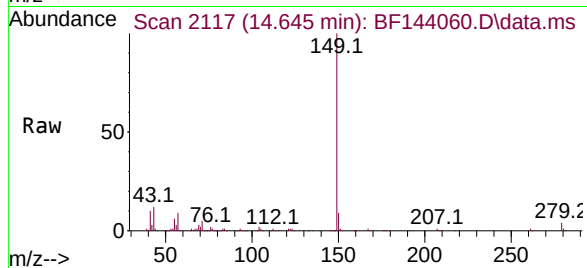




#85
Di-n-octyl phthalate
Concen: 43.804 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

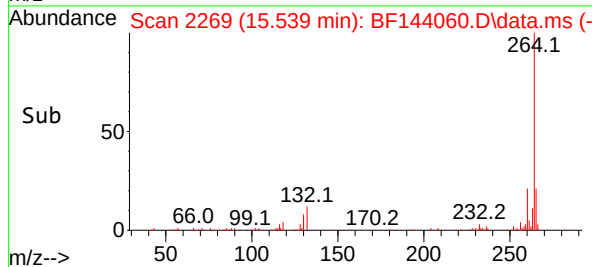
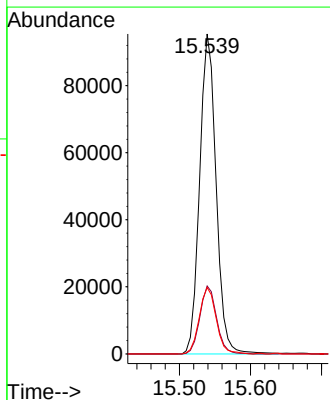
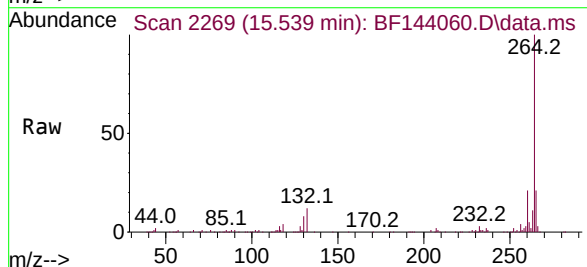
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

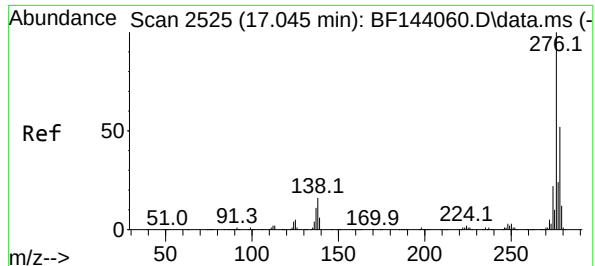
Tgt Ion:149 Resp: 345760
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.6 9.3 13.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144060.D
Acq: 24 Oct 2025 13:05

Tgt Ion:264 Resp: 152855
Ion Ratio Lower Upper
264 100
260 21.2 17.0 25.4
265 20.7 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.020 ng

RT: 17.045 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

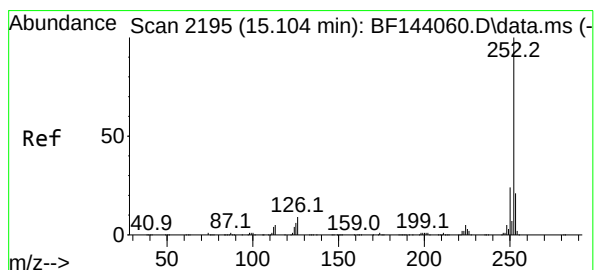
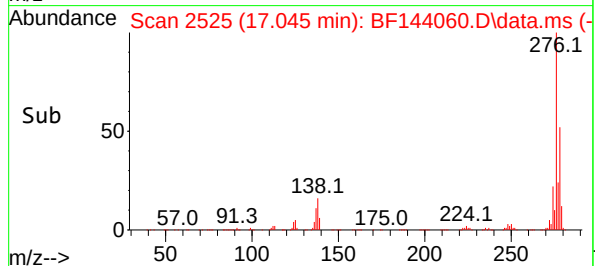
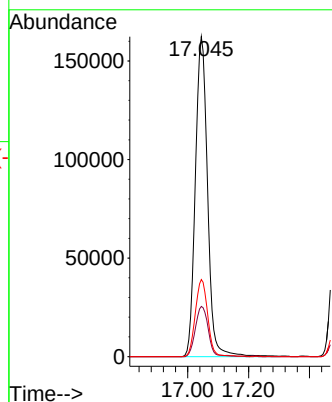
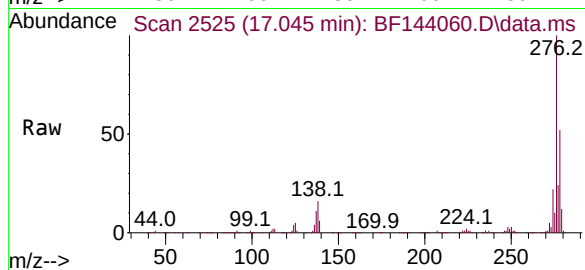
Tgt Ion:276 Resp: 451467

Ion Ratio Lower Upper

276 100

138 16.3 13.0 19.6

277 24.2 19.4 29.0



#88

Benzo(b)fluoranthene

Concen: 44.700 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

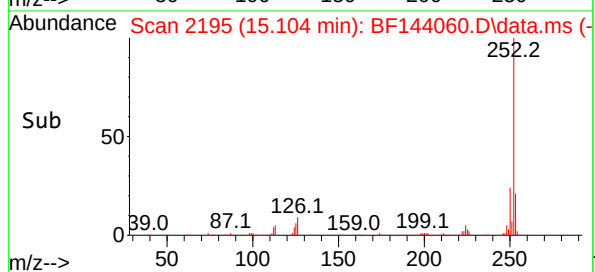
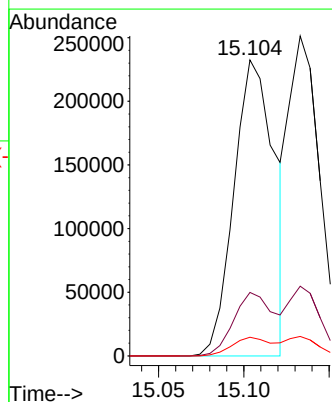
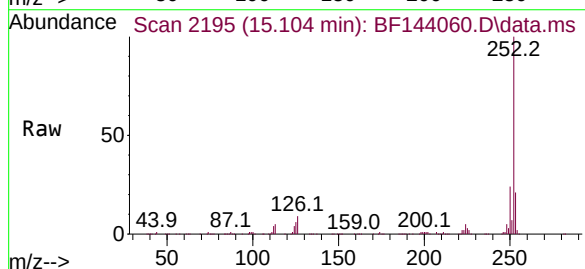
Tgt Ion:252 Resp: 386268

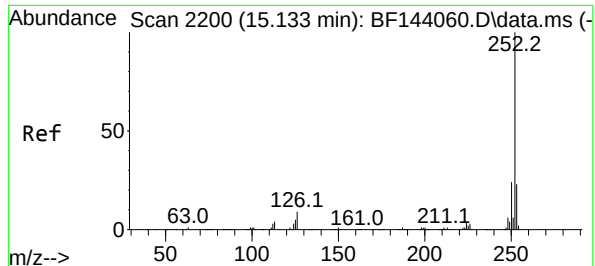
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 6.3 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 40.621 ng

RT: 15.133 min Scan# 2200

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

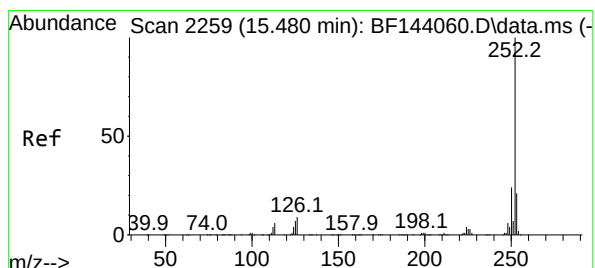
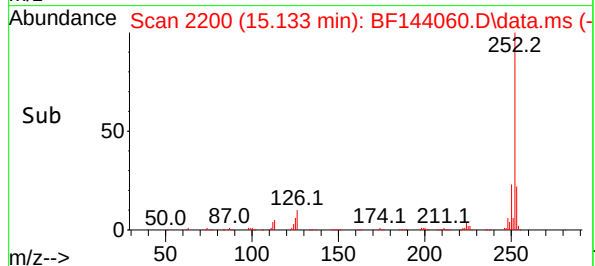
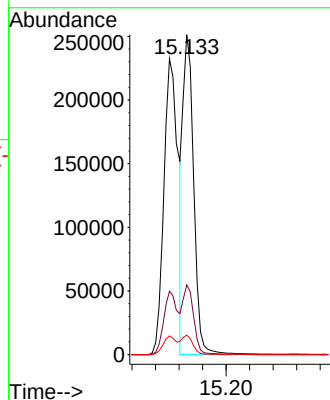
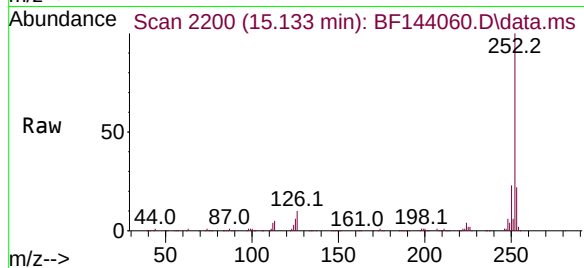
Tgt Ion:252 Resp: 323867

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 6.1 4.9 7.3



#90

Benzo(a)pyrene

Concen: 42.927 ng

RT: 15.480 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

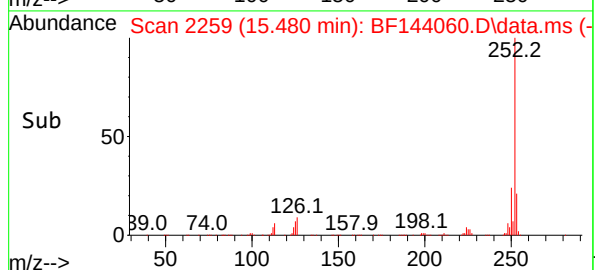
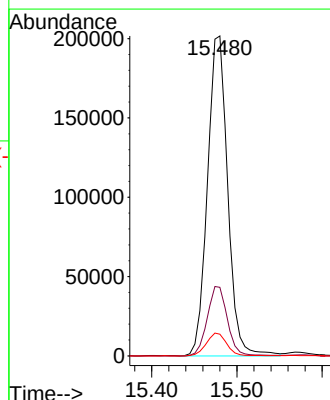
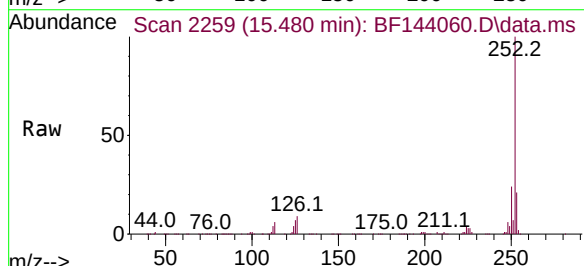
Tgt Ion:252 Resp: 332791

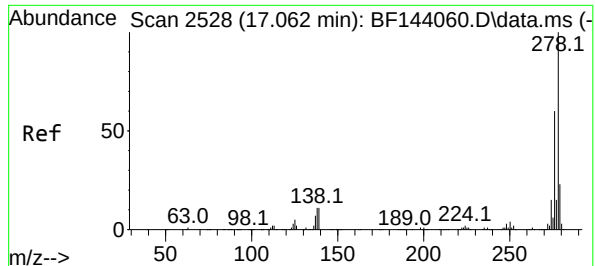
Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 6.8 5.4 8.2





#91

Dibenzo(a,h)anthracene

Concen: 42.914 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

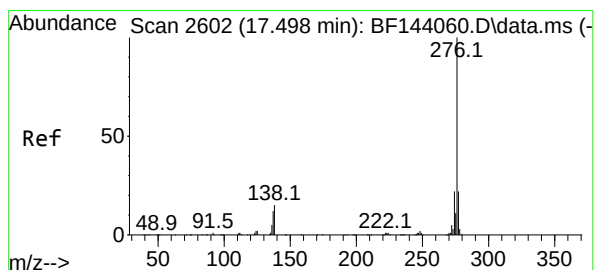
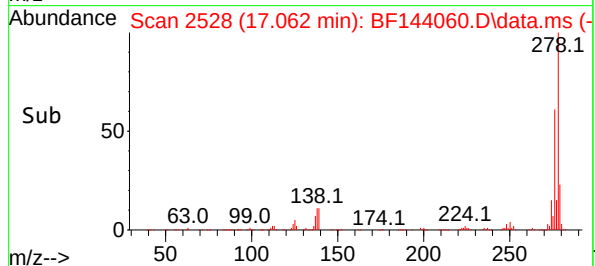
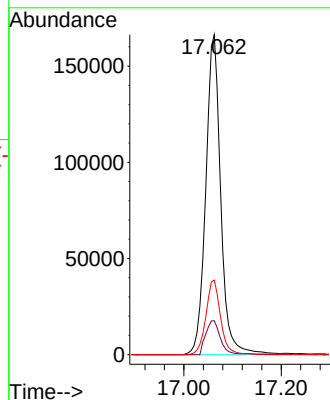
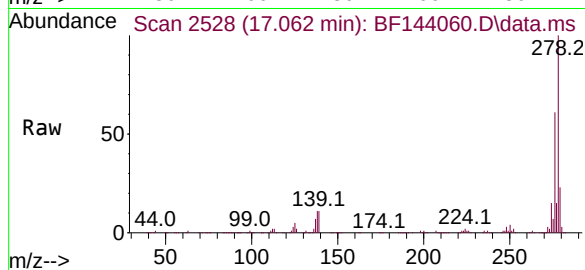
Tgt Ion:278 Resp: 356487

Ion Ratio Lower Upper

278 100

139 10.6 8.5 12.7

279 23.3 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 43.758 ng

RT: 17.498 min Scan# 2602

Delta R.T. 0.000 min

Lab File: BF144060.D

Acq: 24 Oct 2025 13:05

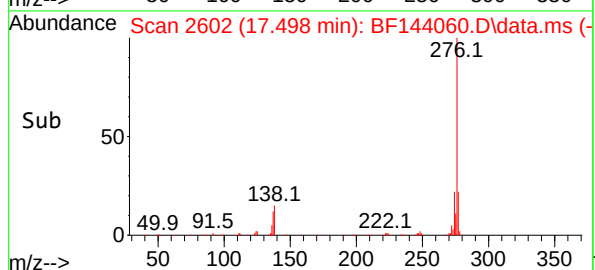
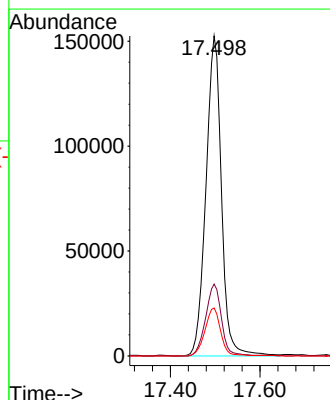
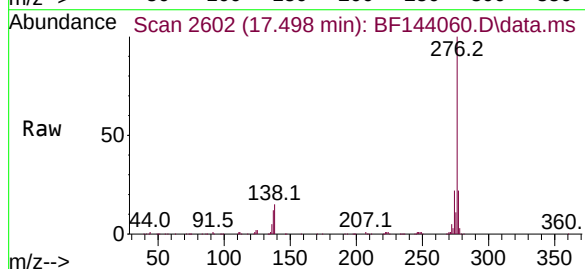
Tgt Ion:276 Resp: 365458

Ion Ratio Lower Upper

276 100

277 22.4 17.9 26.9

138 15.0 12.0 18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144061.D
Acq On : 24 Oct 2025 13:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 24 17:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	52198	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	187852	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	95790	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	163068	20.000	ng	0.00
76) Chrysene-d12	14.057	240	133555	20.000	ng	0.00
86) Perylene-d12	15.539	264	170761	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	303472	91.982	ng	0.00
7) Phenol-d6	6.504	99	336307	92.298	ng	0.00
23) Nitrobenzene-d5	7.445	82	314744	91.795	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	115501	94.659	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	618497	90.861	ng	0.00
79) Terphenyl-d14	12.998	244	669013	87.573	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	67694	47.481	ng	99
3) Pyridine	3.399	79	186251	48.798	ng	99
4) n-Nitrosodimethylamine	3.346	42	108941	46.451	ng	96
6) Aniline	6.545	93	236051	45.283	ng	97
8) 2-Chlorophenol	6.663	128	146647	45.134	ng	100
9) Benzaldehyde	6.434	77	125111	44.224	ng	99
10) Phenol	6.522	94	205466	45.707	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	147198	45.316	ng	100
12) 1,3-Dichlorobenzene	6.822	146	184614	46.062	ng	99
13) 1,4-Dichlorobenzene	6.898	146	178849	45.279	ng	99
14) 1,2-Dichlorobenzene	7.051	146	176825	46.267	ng	98
15) Benzyl Alcohol	7.022	79	137745	46.492	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	280440	45.937	ng	100
17) 2-Methylphenol	7.128	107	114018	45.627	ng	96
18) Hexachloroethane	7.392	117	66036	46.762	ng	94
19) n-Nitroso-di-n-propyla...	7.292	70	104565	44.378	ng	99
20) 3+4-Methylphenols	7.281	107	135141	45.746	ng	96
22) Acetophenone	7.287	105	186463	45.930	ng	99
24) Nitrobenzene	7.463	77	169181	46.643	ng	97
25) Isophorone	7.698	82	274478	45.788	ng	99
26) 2-Nitrophenol	7.781	139	78217	45.330	ng	96
27) 2,4-Dimethylphenol	7.810	122	119169	46.475	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	171275	45.816	ng	99
29) 2,4-Dichlorophenol	8.016	162	137586	46.140	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	141259	46.047	ng	100
31) Naphthalene	8.187	128	400308	45.150	ng	99
32) Benzoic acid	7.922	122	68843	42.326	ng	90
33) 4-Chloroaniline	8.234	127	139897	45.326	ng	99
34) Hexachlorobutadiene	8.298	225	113173	45.117	ng	99
35) Caprolactam	8.598	113	33776	45.169	ng	91
36) 4-Chloro-3-methylphenol	8.710	107	120661	45.853	ng	96
37) 2-Methylnaphthalene	8.875	142	257754	44.094	ng	95
38) 1-Methylnaphthalene	8.975	142	245890	44.400	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	150659	45.764	ng	99
41) Hexachlorocyclopentadiene	9.028	237	49167	48.354	ng	96
43) 2,4,6-Trichlorophenol	9.151	196	102347	47.829	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144061.D
 Acq On : 24 Oct 2025 13:34
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

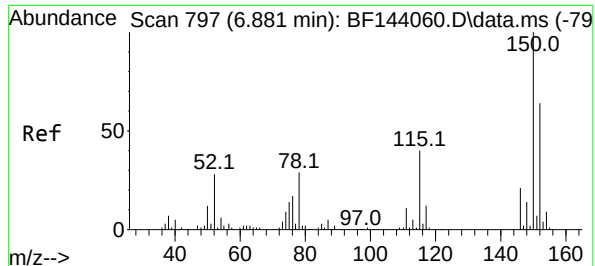
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:52:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	102322	45.562	ng	99
46) 1,1'-Biphenyl	9.339	154	315397	45.996	ng	99
47) 2-Chloronaphthalene	9.363	162	263764	45.914	ng	98
48) 2-Nitroaniline	9.463	65	79650	46.691	ng	93
49) Acenaphthylene	9.781	152	353529	45.641	ng	100
50) Dimethylphthalate	9.633	163	291936	46.495	ng	99
51) 2,6-Dinitrotoluene	9.698	165	60313	48.590	ng	98
52) Acenaphthene	9.951	154	239254	46.250	ng	98
53) 3-Nitroaniline	9.869	138	67246	48.727	ng	98
54) 2,4-Dinitrophenol	9.981	184	27746	41.328	ng	95
55) Dibenzofuran	10.122	168	333154	46.390	ng	100
56) 4-Nitrophenol	10.028	139	41829	44.760	ng	98
57) 2,4-Dinitrotoluene	10.104	165	80539	48.075	ng	96
58) Fluorene	10.469	166	249298	45.558	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.245	232	77175	48.766	ng	# 97
60) Diethylphthalate	10.339	149	274281	46.451	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	141601	46.015	ng	96
62) 4-Nitroaniline	10.486	138	62266	47.618	ng	99
63) Azobenzene	10.622	77	264030	47.243	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	46938	44.864	ng	95
66) n-Nitrosodiphenylamine	10.575	169	240557	46.171	ng	97
67) 4-Bromophenyl-phenylether	10.951	248	93911	45.996	ng	98
68) Hexachlorobenzene	11.016	284	111943	44.706	ng	96
69) Atrazine	11.104	200	75502	44.162	ng	98
70) Pentachlorophenol	11.216	266	58380	48.981	ng	98
71) Phenanthrene	11.433	178	374285	46.205	ng	99
72) Anthracene	11.486	178	380096	45.423	ng	99
73) Carbazole	11.639	167	333654	46.845	ng	98
74) Di-n-butylphthalate	11.969	149	408630	46.795	ng	99
75) Fluoranthene	12.627	202	406402	45.411	ng	99
77) Benzidine	12.751	184	171303	41.214	ng	99
78) Pyrene	12.857	202	432441	45.038	ng	99
80) Butylbenzylphthalate	13.474	149	164976	45.417	ng	99
81) Benzo(a)anthracene	14.045	228	402629	44.609	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	134912	42.940	ng	95
83) Chrysene	14.086	228	393508	46.461	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	230343	46.450	ng	96
85) Di-n-octyl phthalate	14.645	149	393623	46.156	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	552781	47.151	ng	100
88) Benzo(b)fluoranthene	15.104	252	450302	46.646	ng	98
89) Benzo(k)fluoranthene	15.133	252	386955	43.445	ng	99
90) Benzo(a)pyrene	15.480	252	402167	46.436	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	437275	47.119	ng	100
92) Benzo(g,h,i)perylene	17.504	276	436689	46.804	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

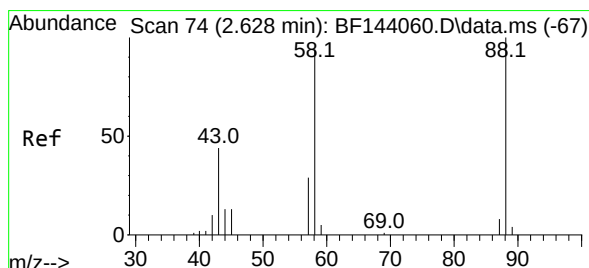
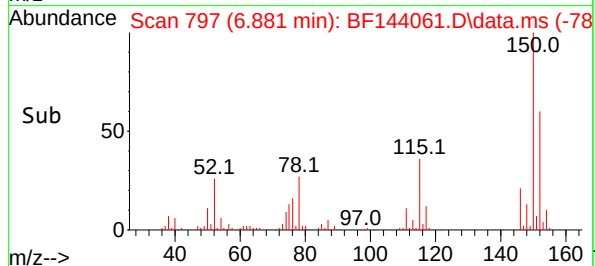
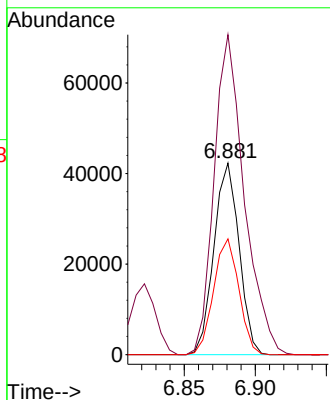
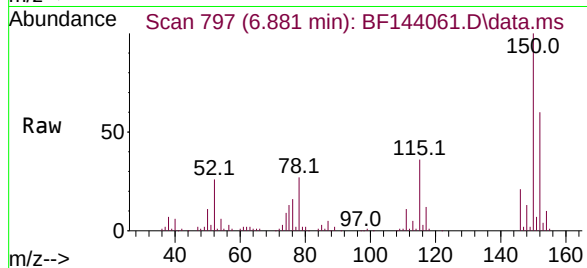
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- 13
- 14
- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

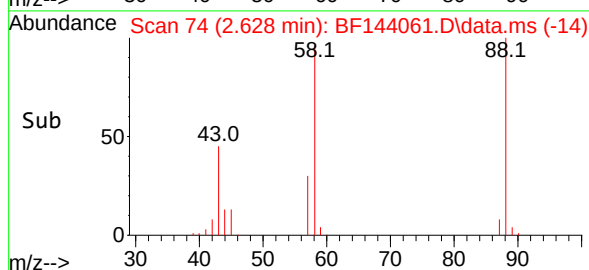
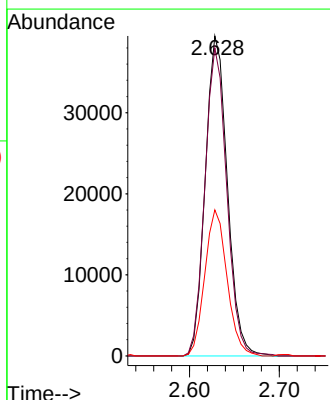
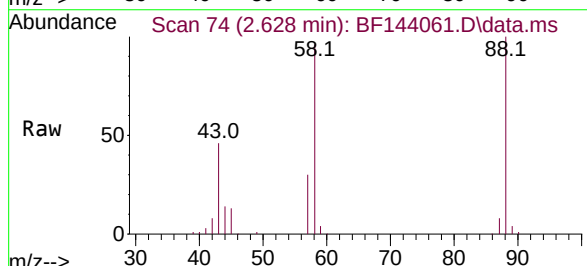
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

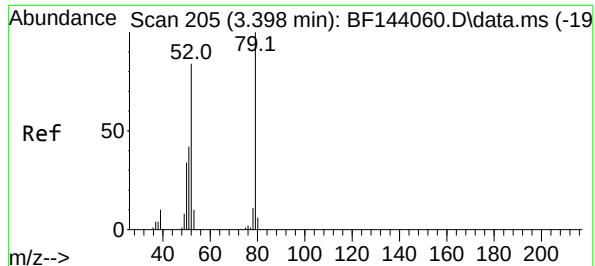
Tgt Ion:152 Resp: 52198
Ion Ratio Lower Upper
152 100
150 167.1 124.4 186.6
115 60.5 49.4 74.0



#2
1,4-Dioxane
Concen: 47.481 ng
RT: 2.628 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 88 Resp: 67694
Ion Ratio Lower Upper
88 100
58 95.6 76.5 114.7
43 46.0 35.3 52.9





#3

Pyridine

Concen: 48.798 ng

RT: 3.399 min Scan# 205

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

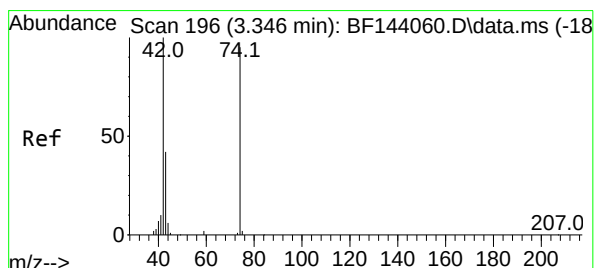
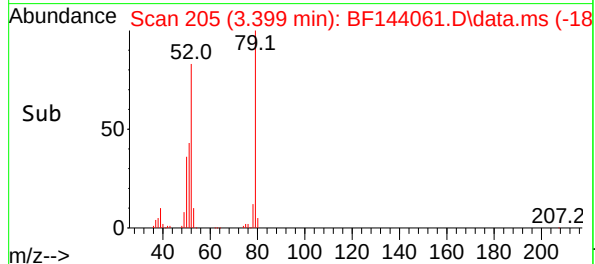
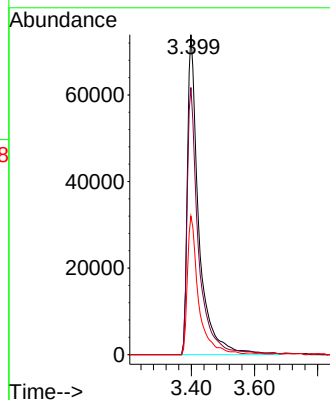
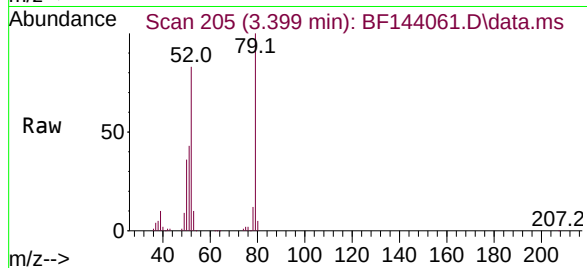
Tgt Ion: 79 Resp: 186251

Ion Ratio Lower Upper

79 100

52 83.5 67.5 101.3

51 43.3 33.6 50.4



#4

n-Nitrosodimethylamine

Concen: 46.451 ng

RT: 3.346 min Scan# 196

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

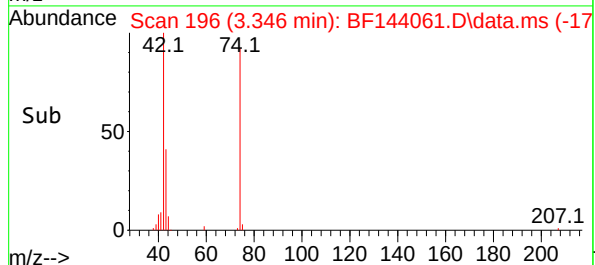
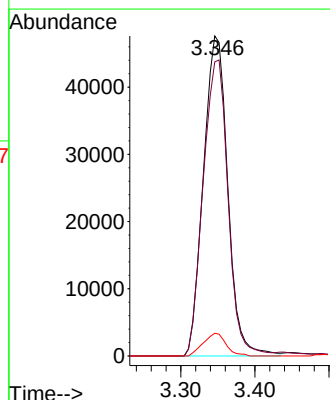
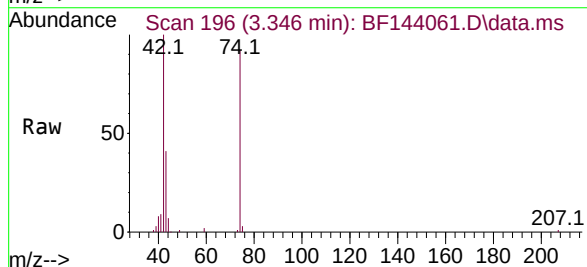
Tgt Ion: 42 Resp: 108941

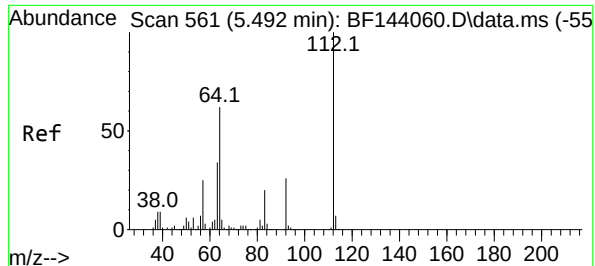
Ion Ratio Lower Upper

42 100

74 91.9 76.4 114.6

44 7.1 5.2 7.8

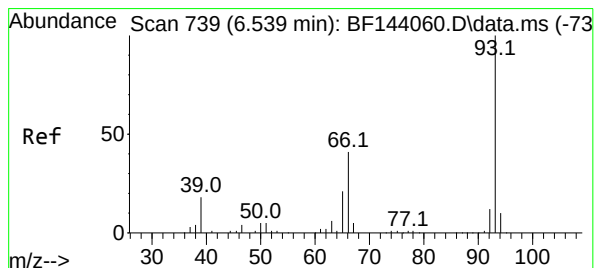
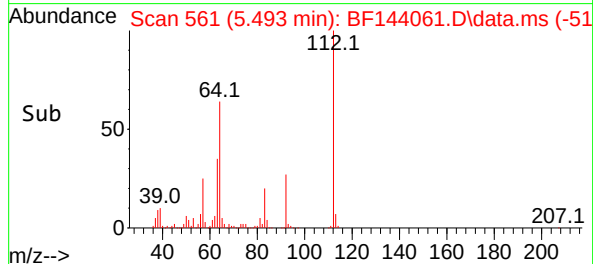
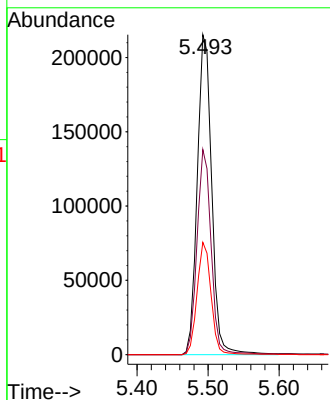
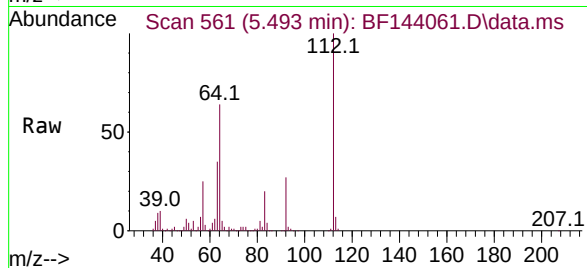




#5
2-Fluorophenol
Concen: 91.982 ng
RT: 5.493 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

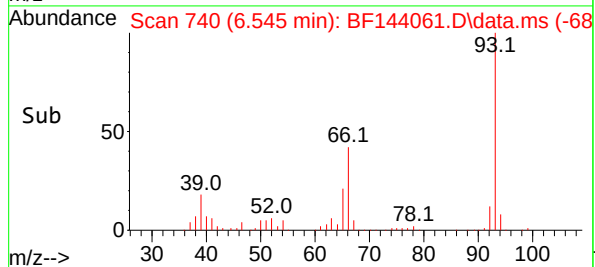
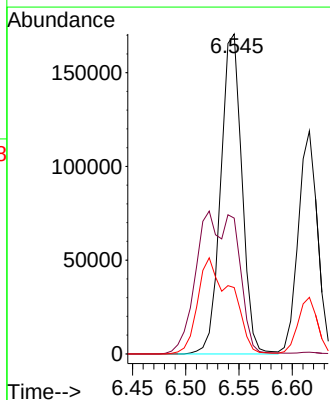
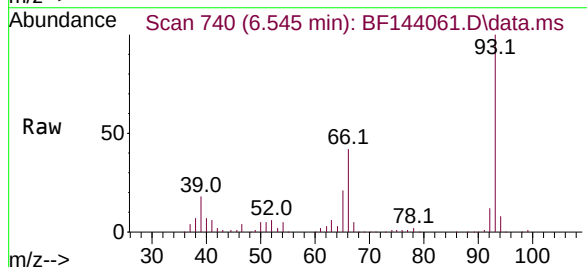
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

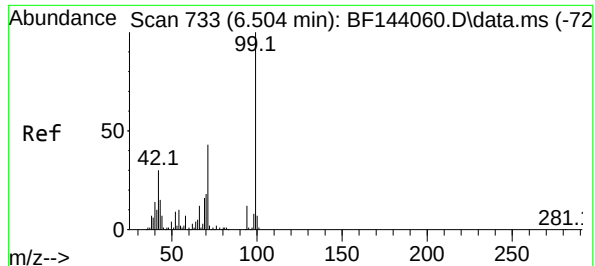
Tgt Ion:112 Resp: 303472
Ion Ratio Lower Upper
112 100
64 64.1 49.8 74.8
63 35.1 27.4 41.2



#6
Aniline
Concen: 45.283 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 93 Resp: 236051
Ion Ratio Lower Upper
93 100
66 42.4 35.7 53.5
65 20.7 17.0 25.6





#7

Phenol-d6

Concen: 92.298 ng

RT: 6.504 min Scan# 733

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

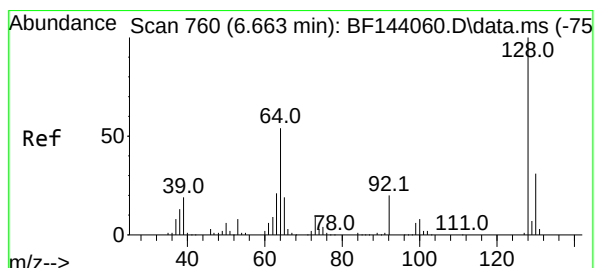
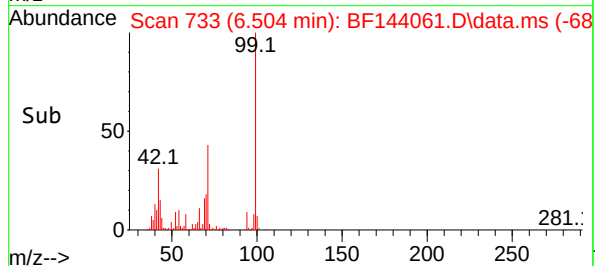
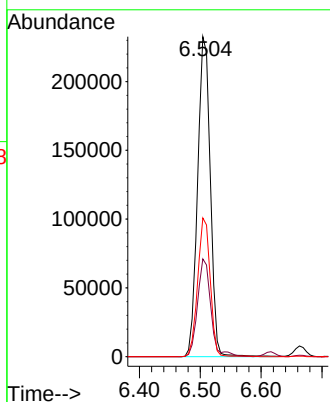
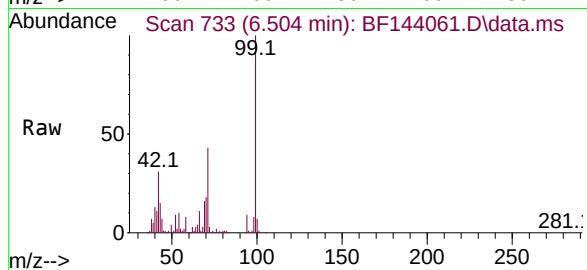
Tgt Ion: 99 Resp: 336307

Ion Ratio Lower Upper

99 100

42 30.5 23.9 35.9

71 43.3 34.4 51.6



#8

2-Chlorophenol

Concen: 45.134 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

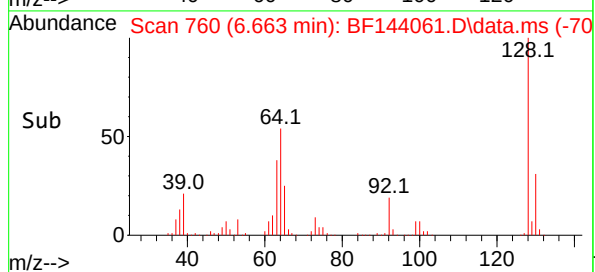
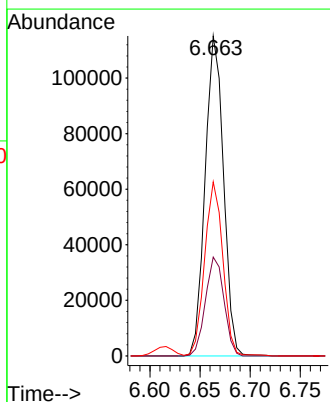
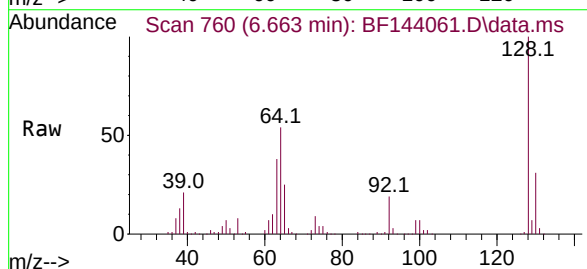
Tgt Ion: 128 Resp: 146647

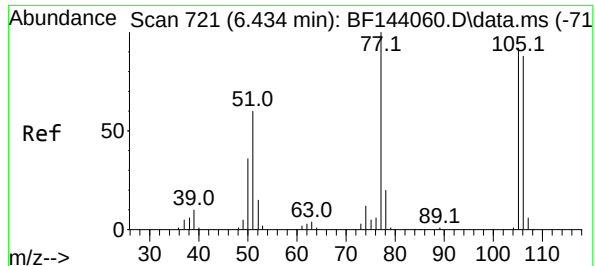
Ion Ratio Lower Upper

128 100

130 30.9 10.7 50.7

64 54.4 34.7 74.7





#9

Benzaldehyde

Concen: 44.224 ng

RT: 6.434 min Scan# 721

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

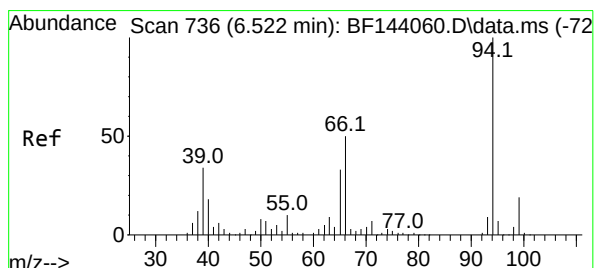
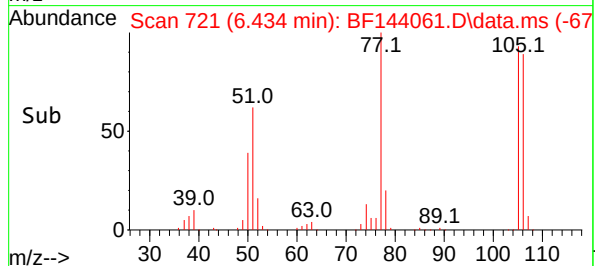
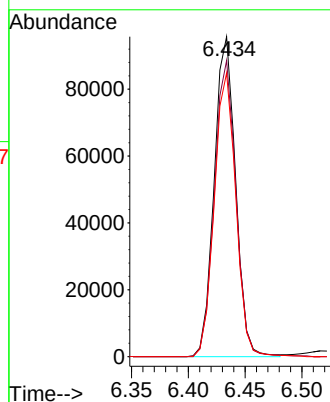
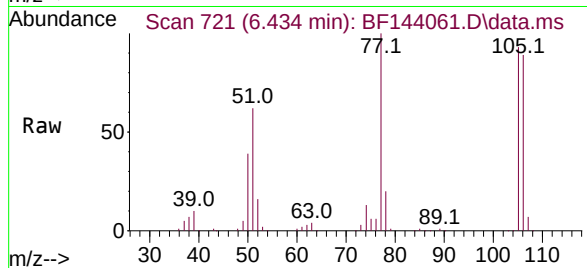
Tgt Ion: 77 Resp: 125111

Ion Ratio Lower Upper

77 100

105 92.5 72.2 112.2

106 88.6 67.9 107.9



#10

Phenol

Concen: 45.707 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

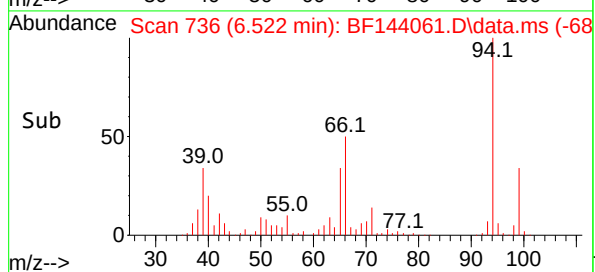
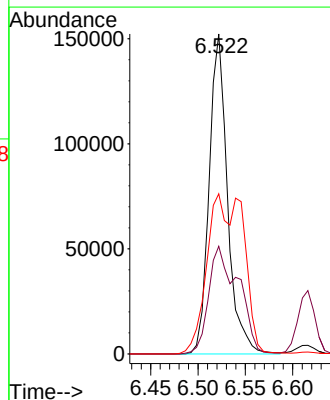
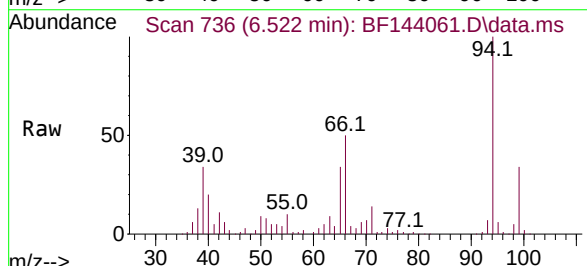
Tgt Ion: 94 Resp: 205466

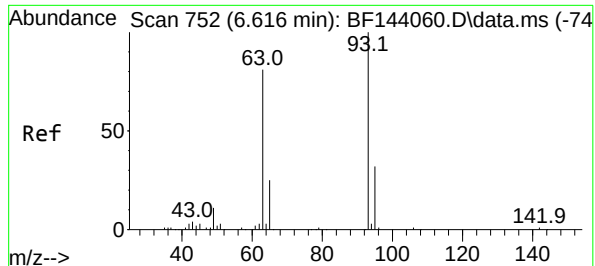
Ion Ratio Lower Upper

94 100

65 33.6 13.1 53.1

66 50.0 30.6 70.6

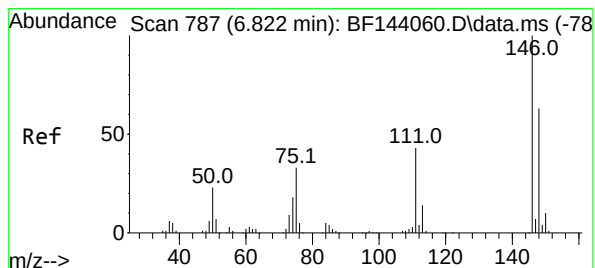
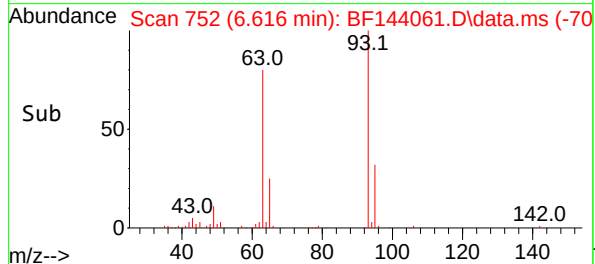
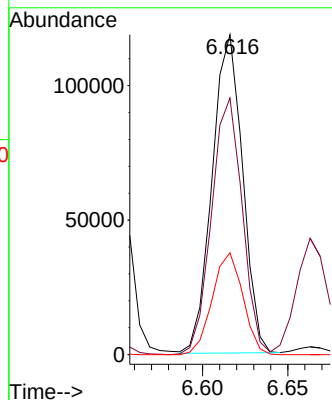
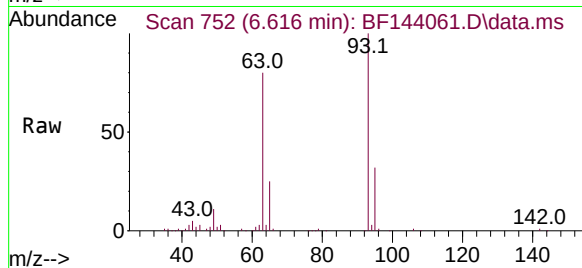




#11
bis(2-Chloroethyl)ether
Concen: 45.316 ng
RT: 6.616 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

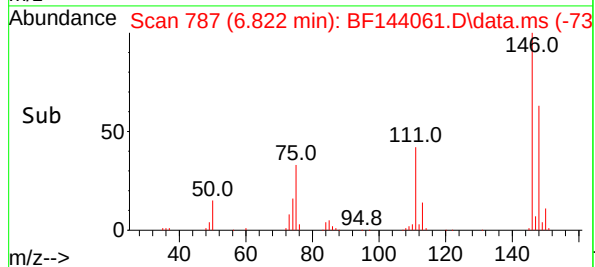
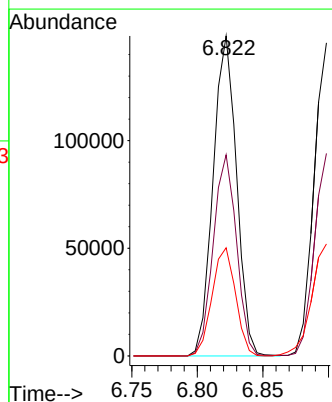
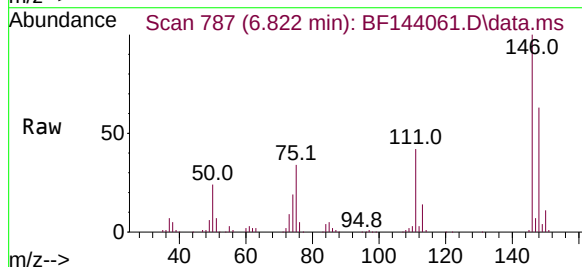
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

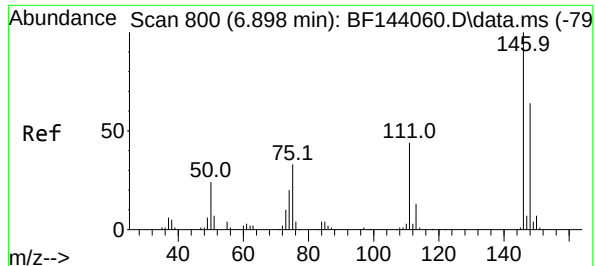
Tgt Ion: 93 Resp: 147198
Ion Ratio Lower Upper
93 100
63 80.2 60.2 100.2
95 31.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 46.062 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 146 Resp: 184614
Ion Ratio Lower Upper
146 100
148 62.8 50.6 75.8
75 33.8 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 45.279 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

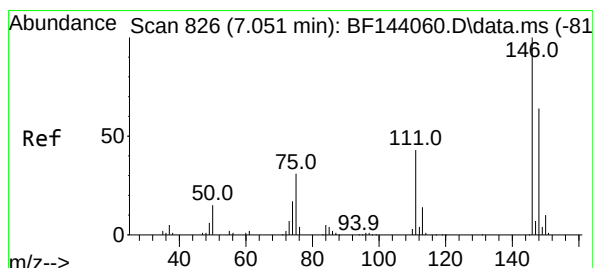
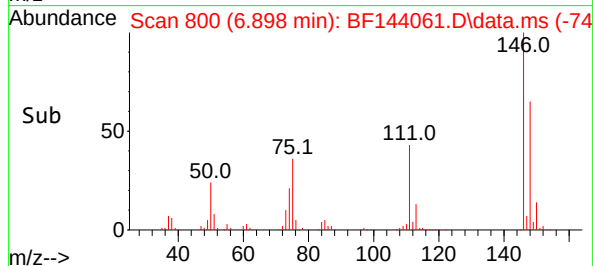
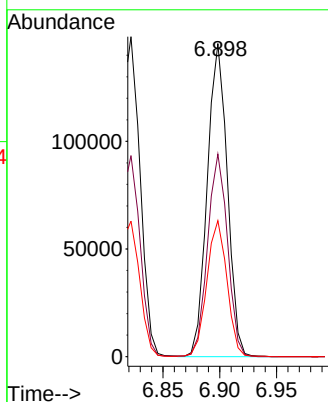
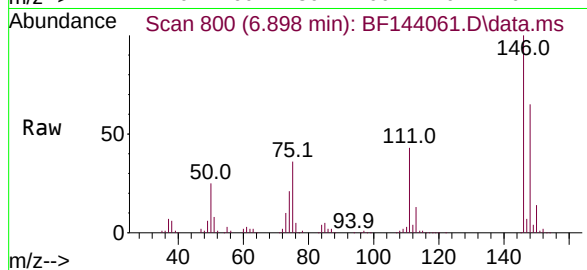
Tgt Ion:146 Resp: 178849

Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.6

111 43.4 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 46.267 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

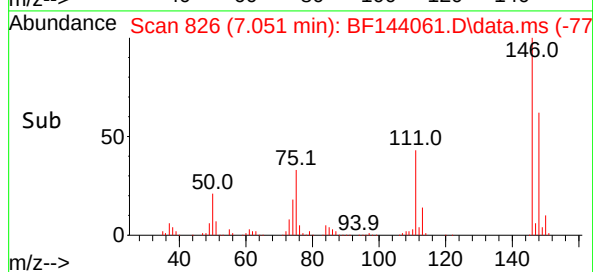
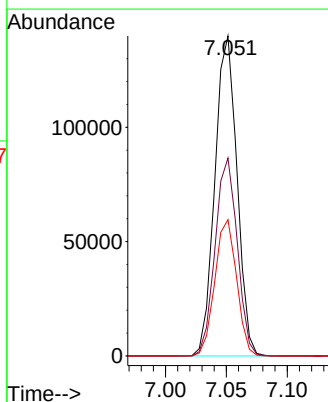
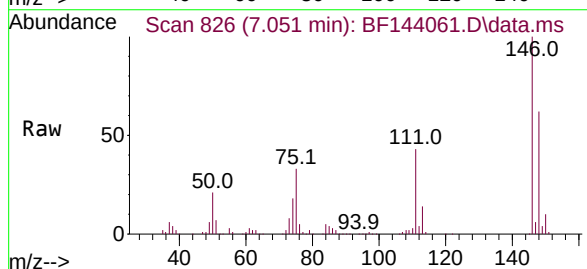
Tgt Ion:146 Resp: 176825

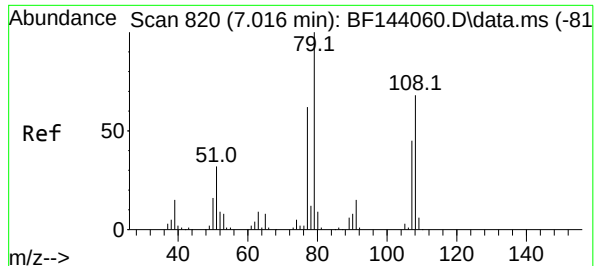
Ion Ratio Lower Upper

146 100

148 61.8 50.8 76.2

111 42.6 34.7 52.1

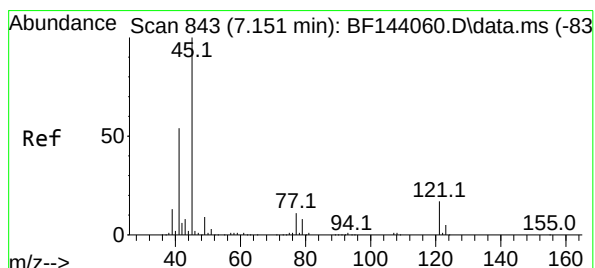
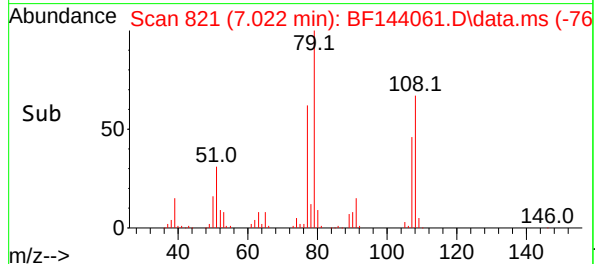
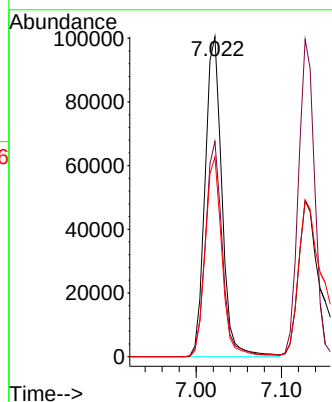
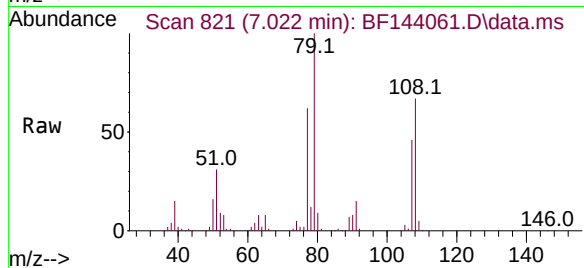




#15
Benzyl Alcohol
Concen: 46.492 ng
RT: 7.022 min Scan# 821
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

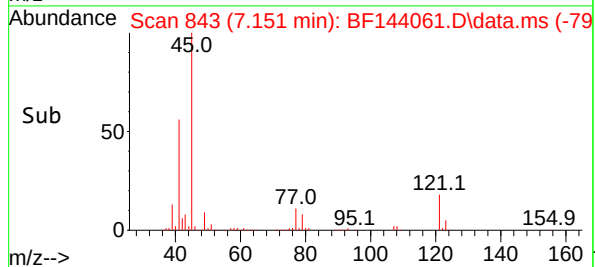
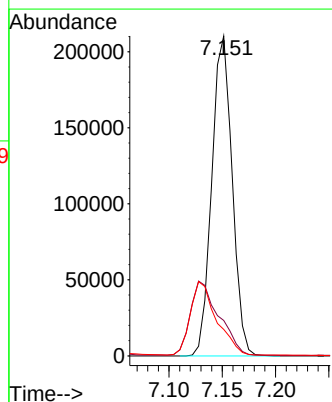
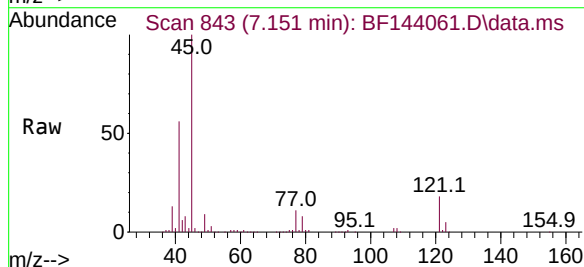
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

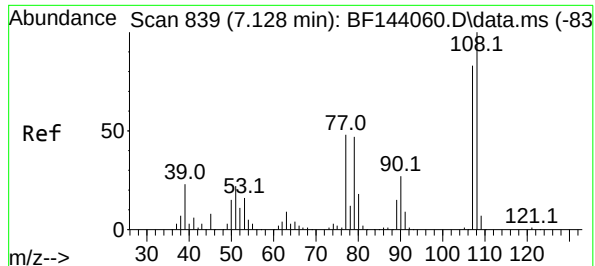
Tgt Ion: 79 Resp: 137745
Ion Ratio Lower Upper
79 100
108 67.2 54.8 82.2
77 62.4 49.4 74.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 45.937 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 45 Resp: 280440
Ion Ratio Lower Upper
45 100
77 11.1 0.0 30.9
79 8.3 0.0 28.2

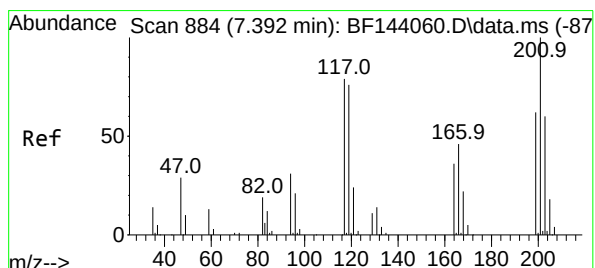
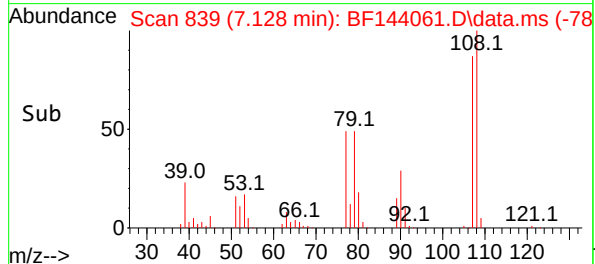
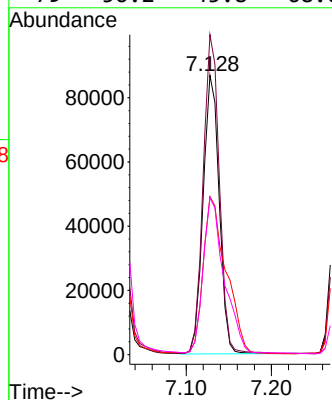
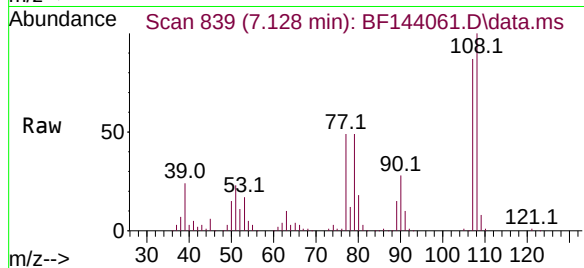




#17
2-Methylphenol
Concen: 45.627 ng
RT: 7.128 min Scan# 839
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

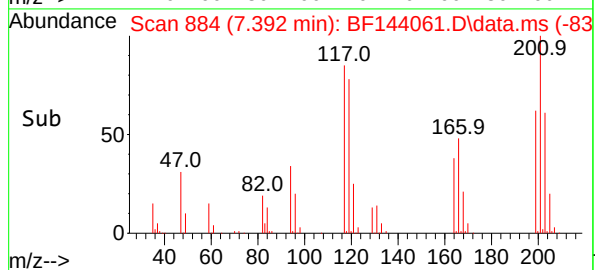
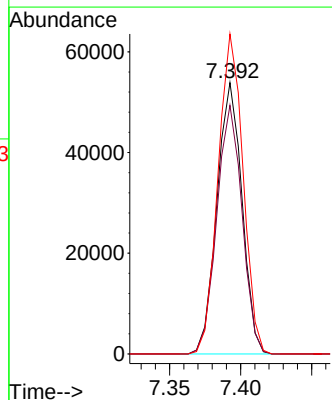
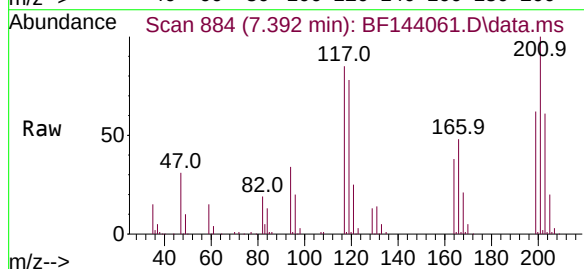
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

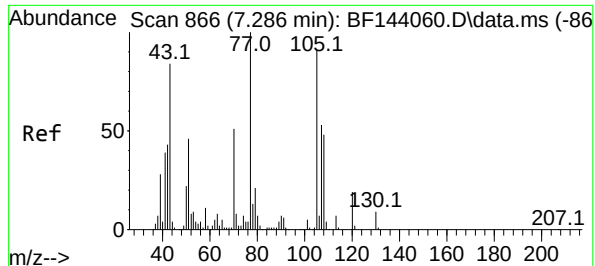
Tgt Ion:	107	Resp:	114018
Ion	Ratio	Lower	Upper
107	100		
108	114.6	96.4	144.6
77	56.6	46.8	70.2
79	56.2	45.8	68.6



#18
Hexachloroethane
Concen: 46.762 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:	117	Resp:	66036
Ion	Ratio	Lower	Upper
117	100		
119	91.6	76.6	115.0
201	117.9	100.9	151.3





#19

n-Nitroso-di-n-propylamine

Concen: 44.378 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.006 min

Lab File: BF144061.D

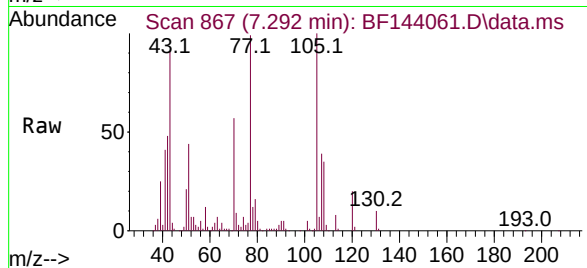
Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 104565

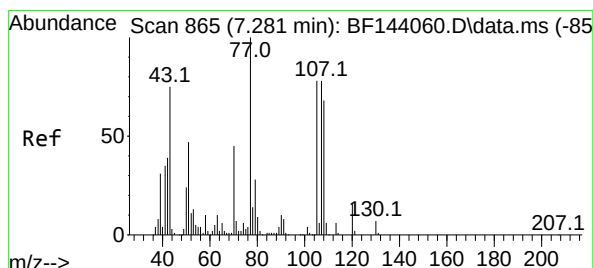
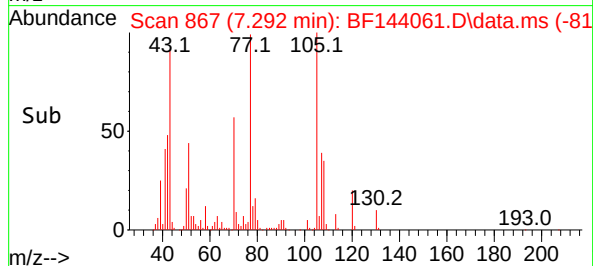
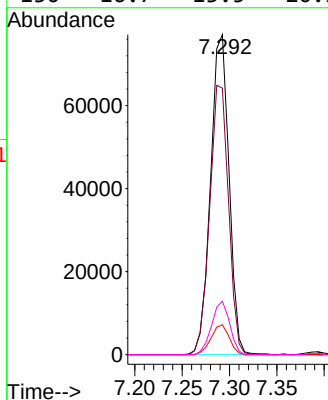
Ion Ratio Lower Upper

70 100

42 83.3 67.4 101.0

101 9.3 7.1 10.7

130 16.7 13.5 20.3



#20

3+4-Methylphenols

Concen: 45.746 ng

RT: 7.281 min Scan# 865

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Tgt Ion: 107 Resp: 135141

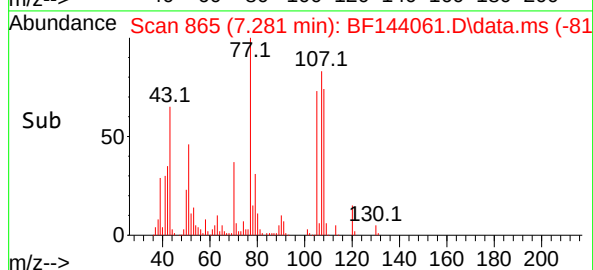
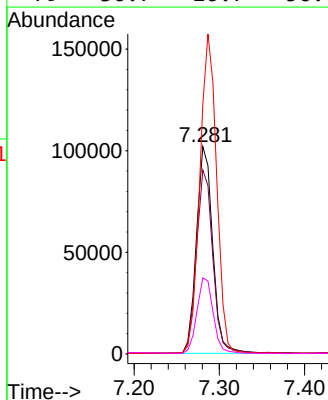
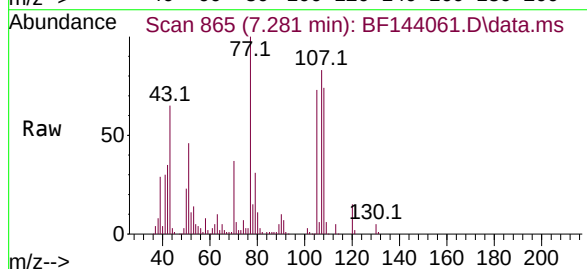
Ion Ratio Lower Upper

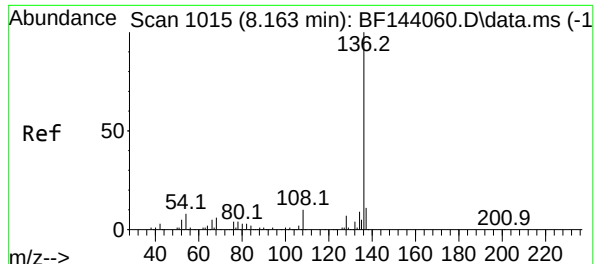
107 100

108 88.6 68.0 108.0

77 120.4 108.7 148.7

79 36.7 16.7 56.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1015

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion:136 Resp: 187852

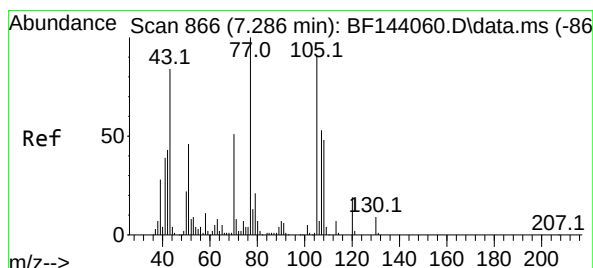
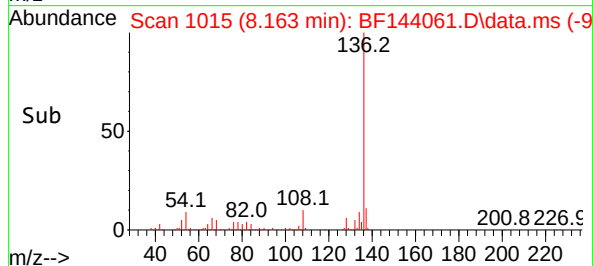
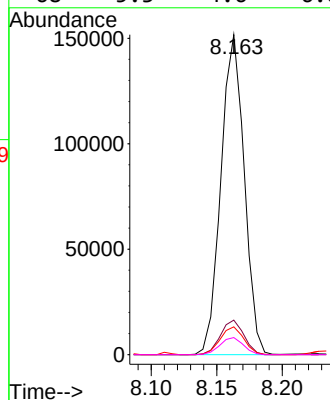
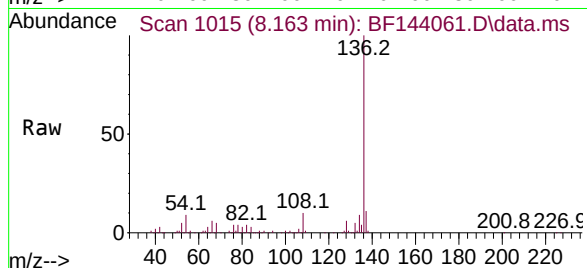
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.7 6.6 9.8

68 5.3 4.6 6.8



#22

Acetophenone

Concen: 45.930 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Tgt Ion:105 Resp: 186463

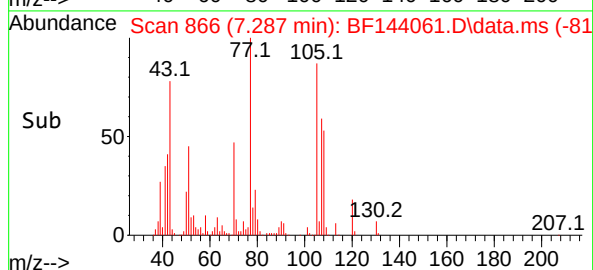
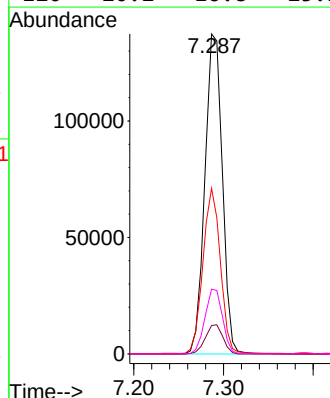
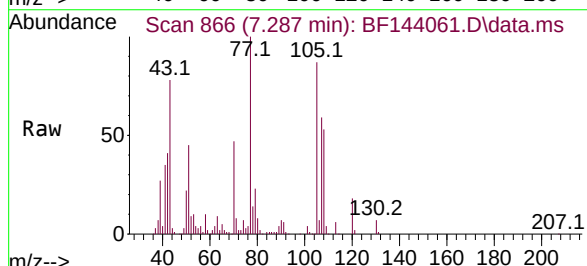
Ion Ratio Lower Upper

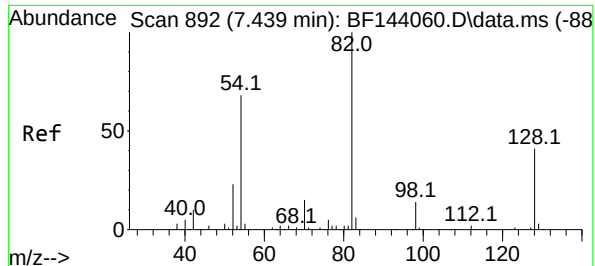
105 100

71 8.9 6.9 10.3

51 51.7 40.6 60.8

120 20.2 16.8 25.2





#23

Nitrobenzene-d5

Concen: 91.795 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.006 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

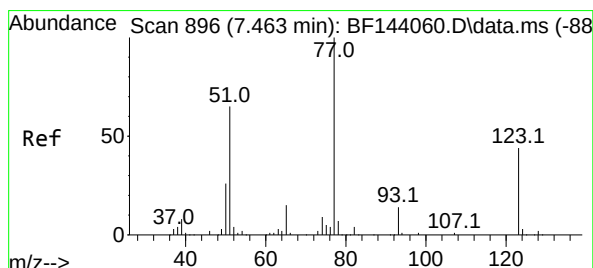
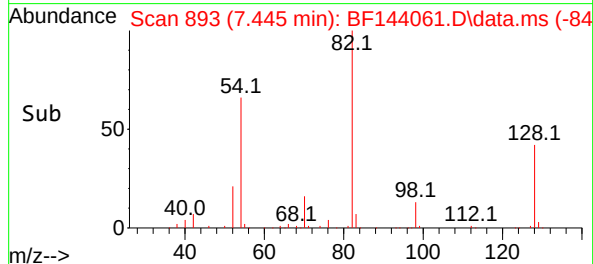
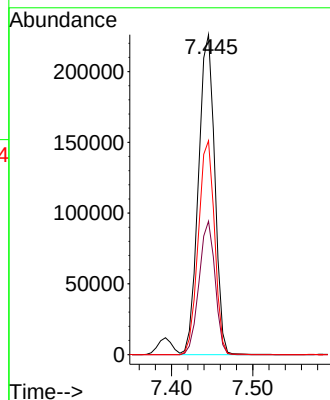
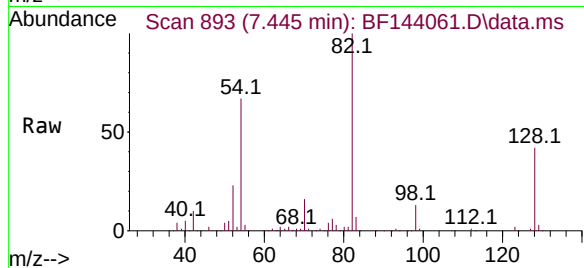
Tgt Ion: 82 Resp: 314744

Ion Ratio Lower Upper

82 100

128 41.7 32.4 48.6

54 66.8 54.0 81.0



#24

Nitrobenzene

Concen: 46.643 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

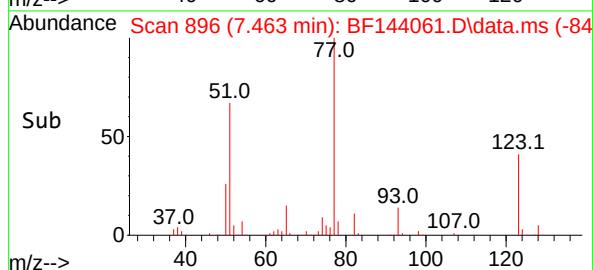
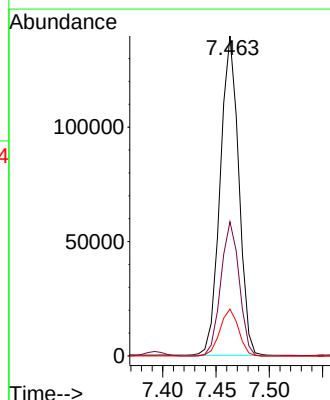
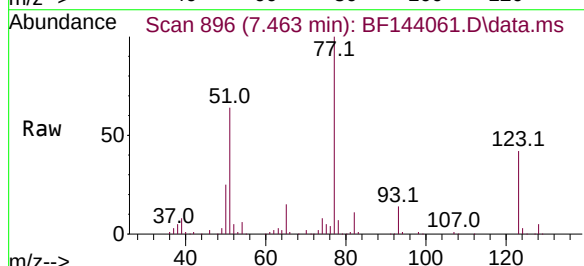
Tgt Ion: 77 Resp: 169181

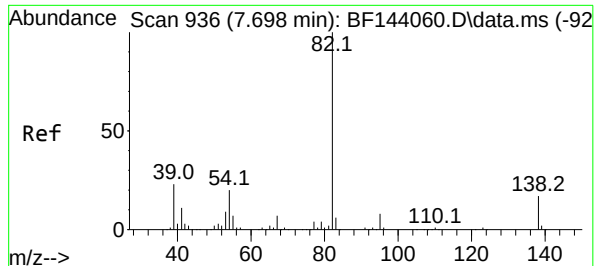
Ion Ratio Lower Upper

77 100

123 41.9 35.0 52.6

65 14.6 12.2 18.2

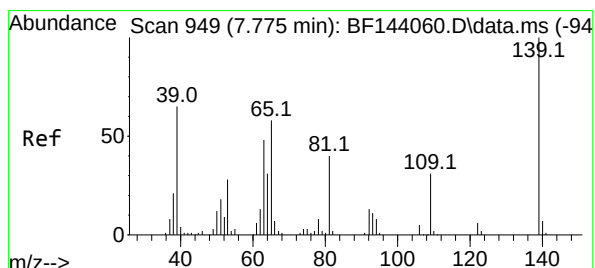
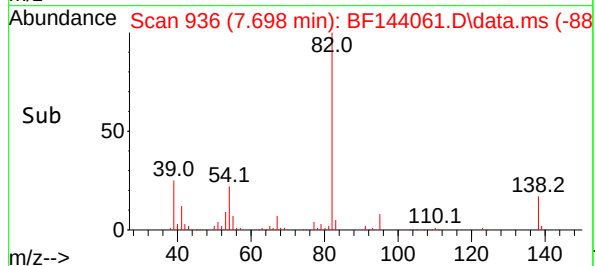
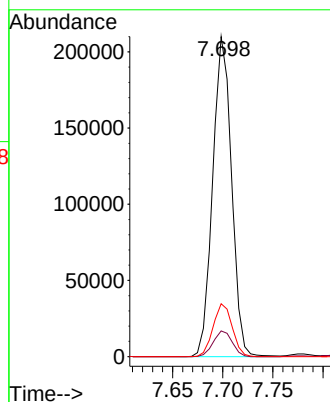
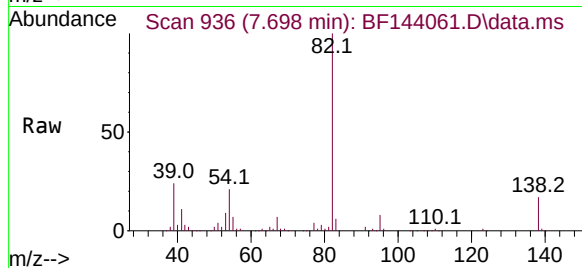




#25
Isophorone
Concen: 45.788 ng
RT: 7.698 min Scan# 936
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

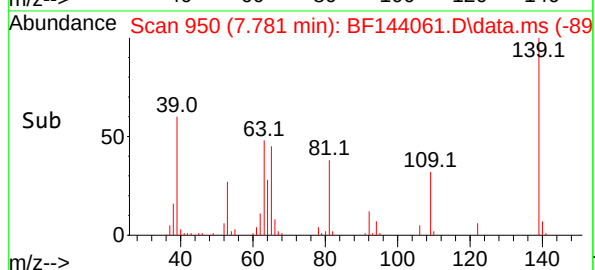
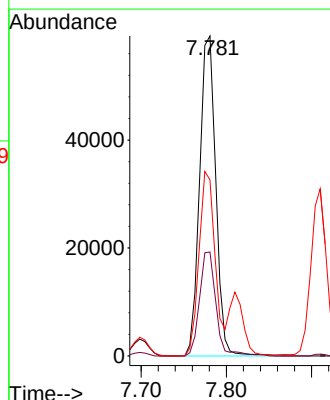
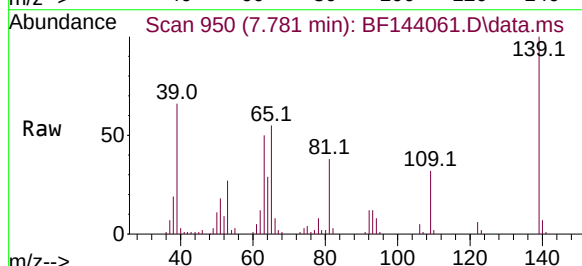
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

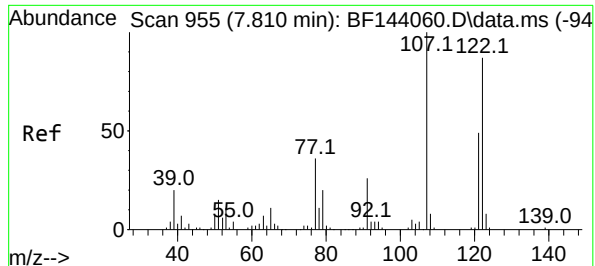
Tgt Ion: 82 Resp: 274478
Ion Ratio Lower Upper
82 100
95 8.0 6.6 9.8
138 16.5 13.8 20.8



#26
2-Nitrophenol
Concen: 45.330 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 139 Resp: 78217
Ion Ratio Lower Upper
139 100
109 32.5 24.6 37.0
65 55.0 46.6 69.8





#27

2,4-Dimethylphenol

Concen: 46.475 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

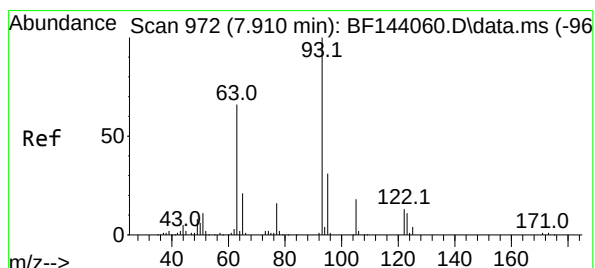
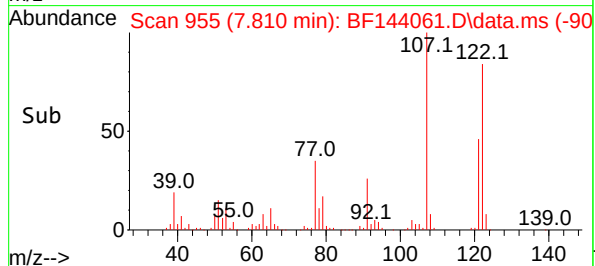
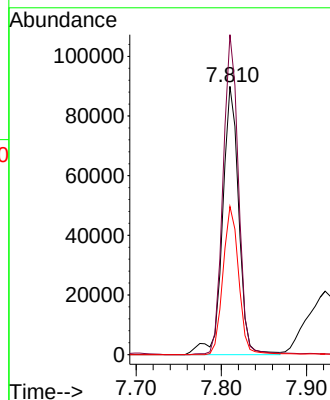
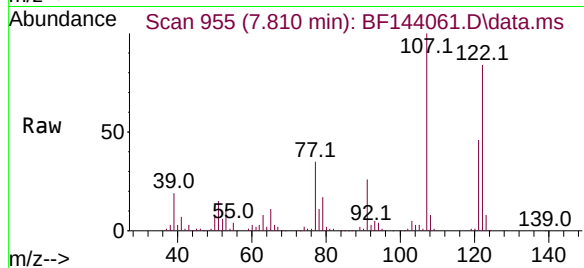
Tgt Ion:122 Resp: 119169

Ion Ratio Lower Upper

122 100

107 119.3 91.8 137.8

121 55.2 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 45.816 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

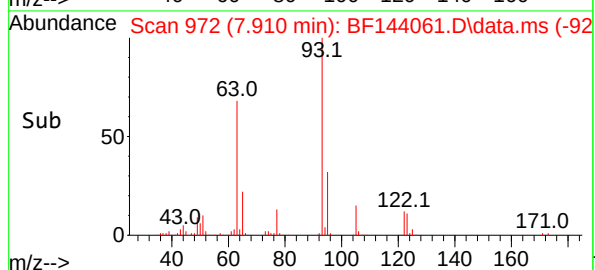
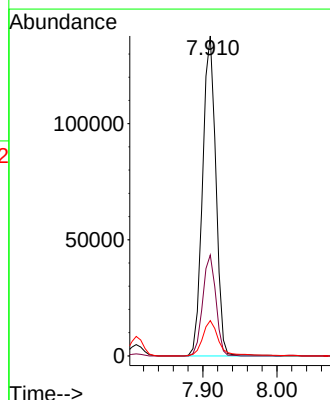
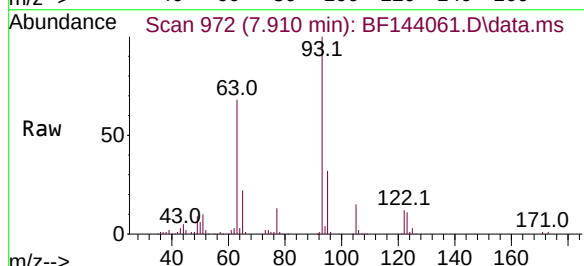
Tgt Ion: 93 Resp: 171275

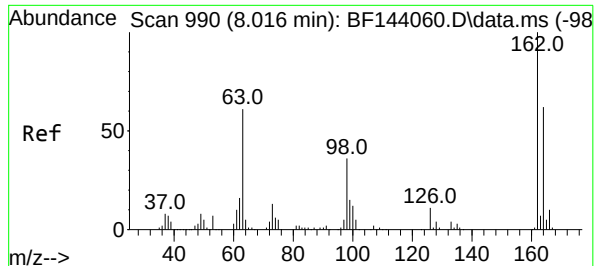
Ion Ratio Lower Upper

93 100

95 31.5 24.6 36.8

123 11.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 46.140 ng

RT: 8.016 min Scan# 99

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

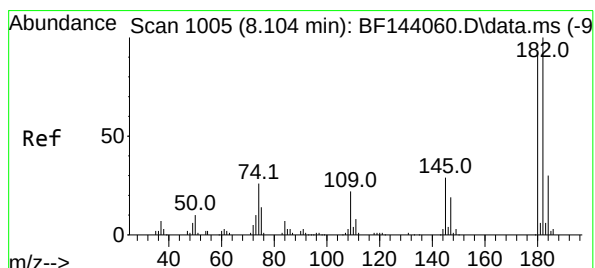
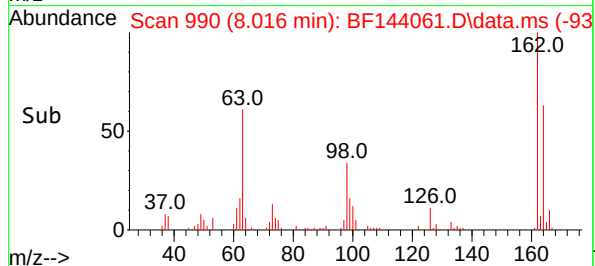
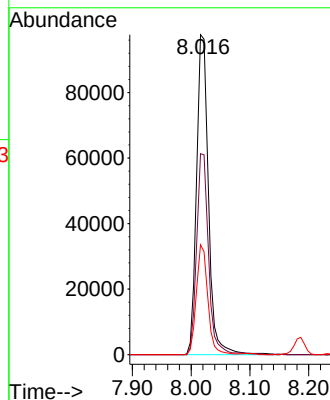
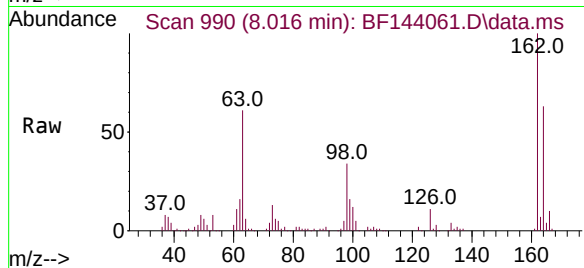
Tgt Ion:162 Resp: 137586

Ion Ratio Lower Upper

162 100

164 62.8 42.1 82.1

98 34.3 16.0 56.0



#30

1,2,4-Trichlorobenzene

Concen: 46.047 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

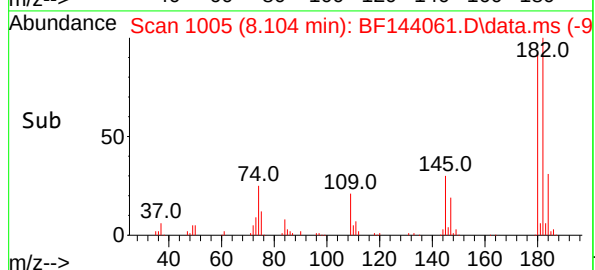
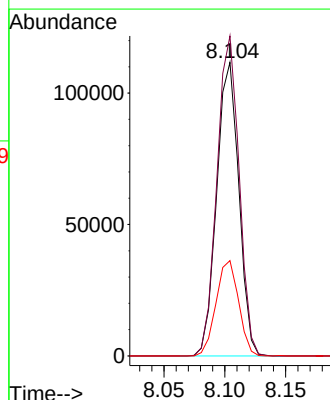
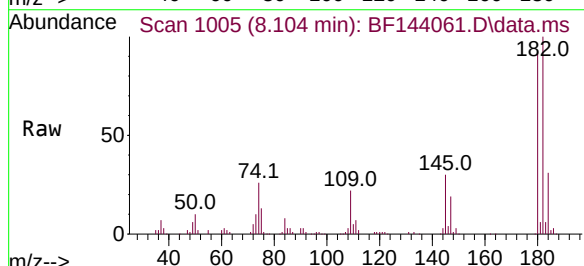
Tgt Ion:180 Resp: 141259

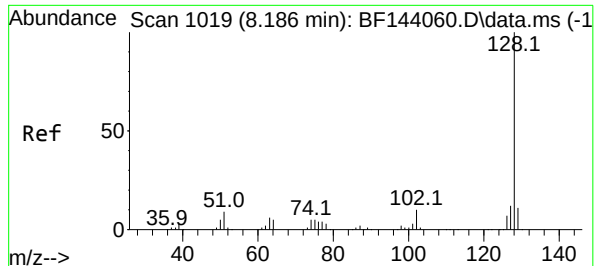
Ion Ratio Lower Upper

180 100

182 109.0 87.1 130.7

145 32.5 25.3 37.9





#31

Naphthalene

Concen: 45.150 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

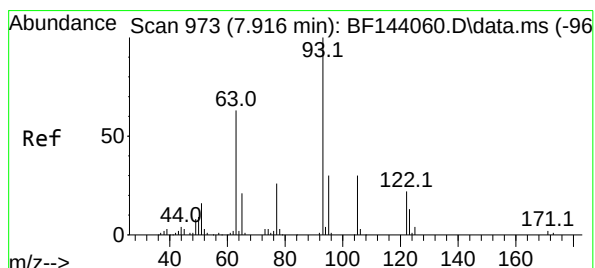
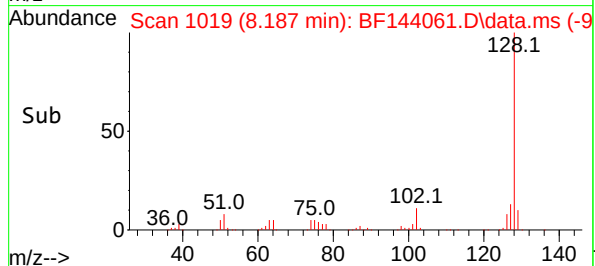
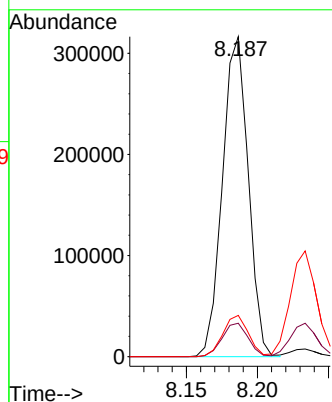
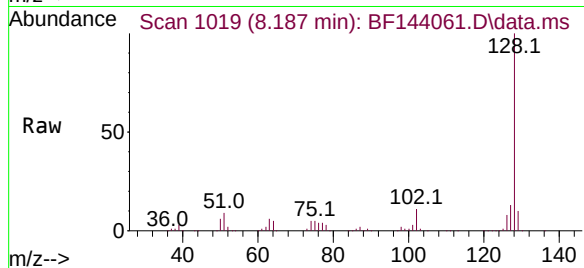
Tgt Ion:128 Resp: 400308

Ion Ratio Lower Upper

128 100

129 10.4 8.4 12.6

127 12.9 9.9 14.9



#32

Benzoic acid

Concen: 42.326 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.006 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

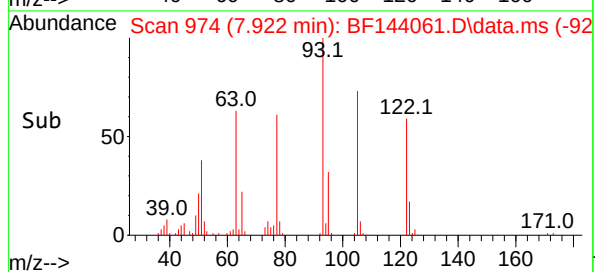
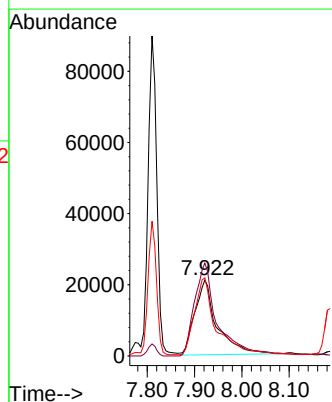
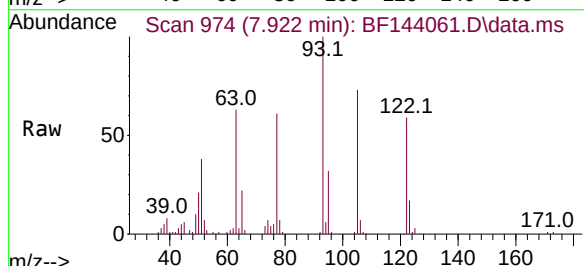
Tgt Ion:122 Resp: 68843

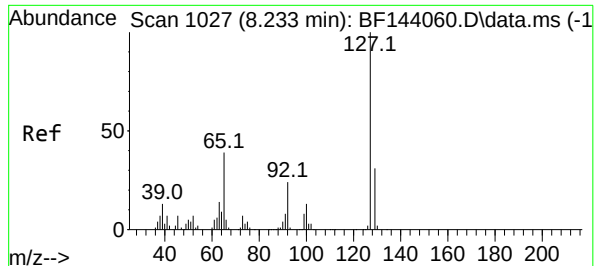
Ion Ratio Lower Upper

122 100

105 122.6 111.3 151.3

77 102.9 96.7 136.7





#33

4-Chloroaniline

Concen: 45.326 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 139897

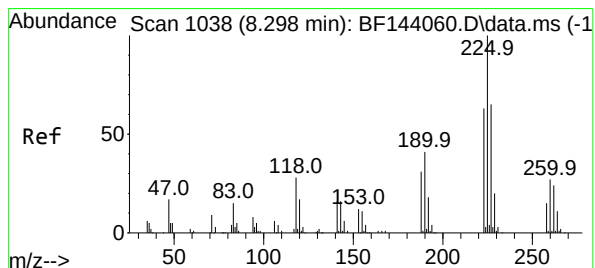
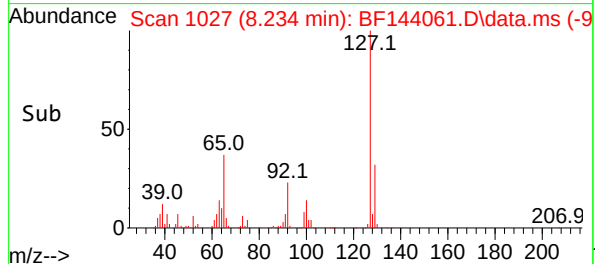
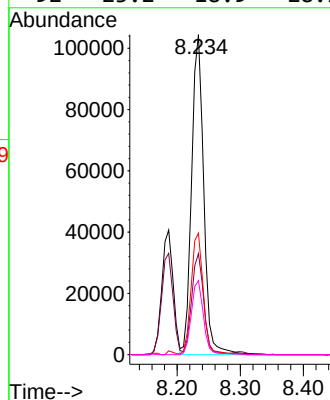
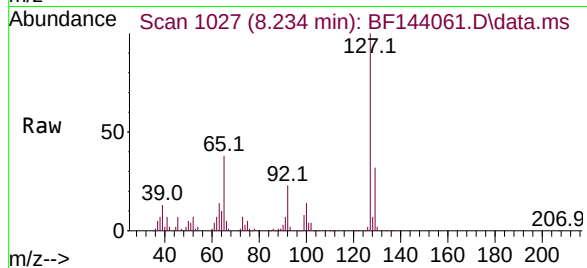
Ion Ratio Lower Upper

127 100

129 31.6 25.6 38.4

65 38.0 30.9 46.3

92 23.2 18.9 28.3



#34

Hexachlorobutadiene

Concen: 45.117 ng

RT: 8.298 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

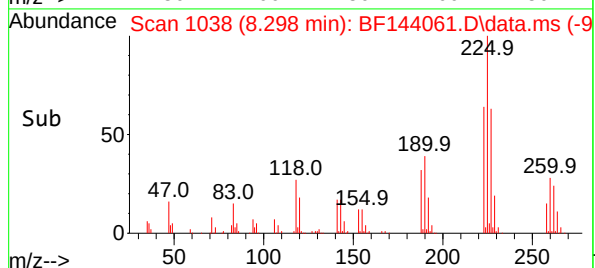
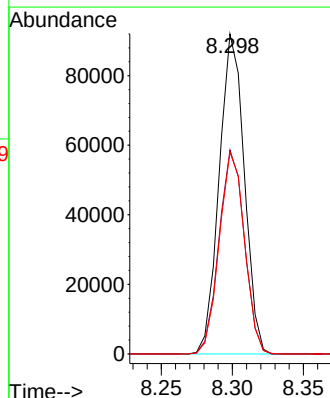
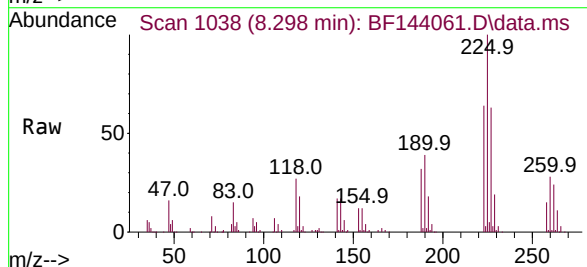
Tgt Ion:225 Resp: 113173

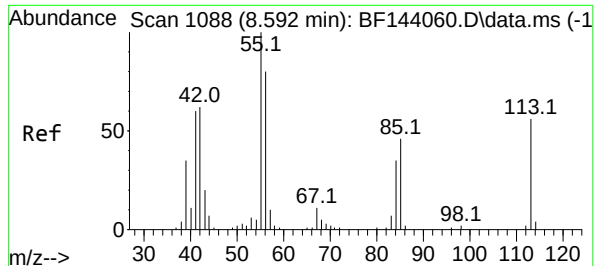
Ion Ratio Lower Upper

225 100

223 63.7 50.6 76.0

227 63.0 51.8 77.8





#35

Caprolactam

Concen: 45.169 ng

RT: 8.598 min Scan# 1089

Delta R.T. 0.006 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

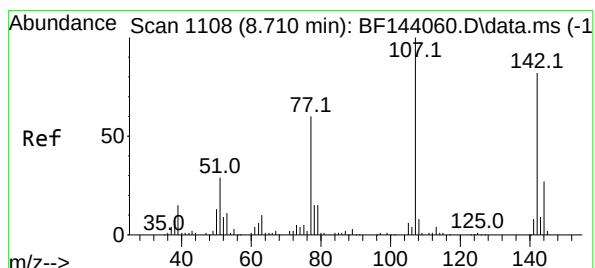
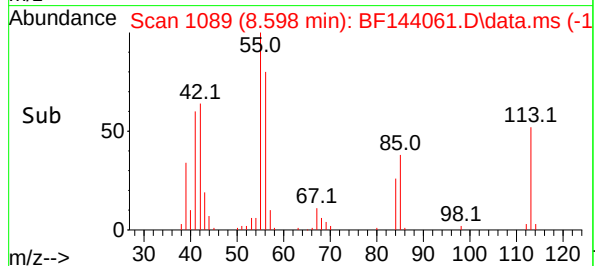
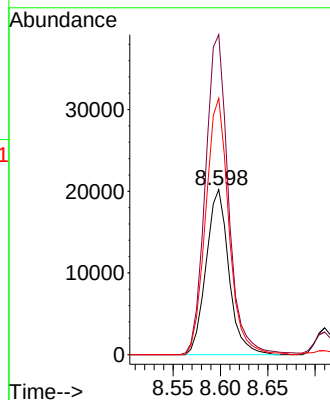
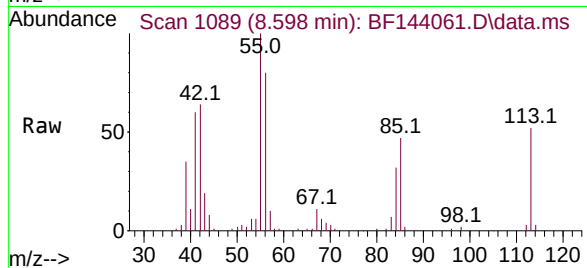
Tgt Ion:113 Resp: 33776

Ion Ratio Lower Upper

113 100

55 194.0 160.1 200.1

56 155.4 124.9 164.9



#36

4-Chloro-3-methylphenol

Concen: 45.853 ng

RT: 8.710 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

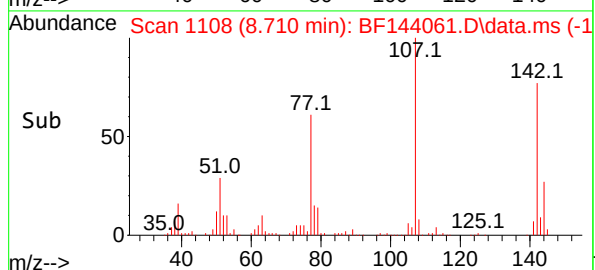
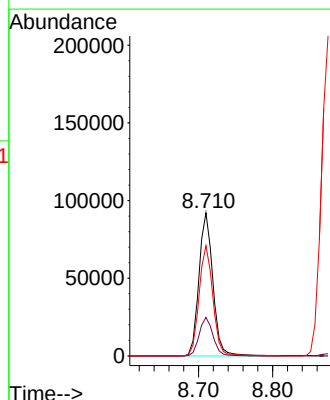
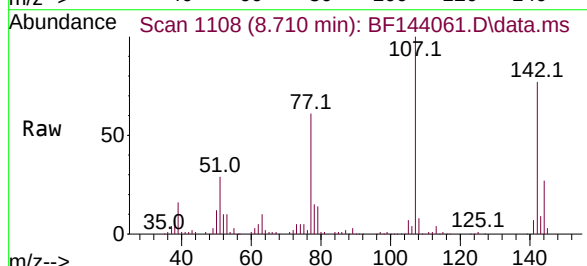
Tgt Ion:107 Resp: 120661

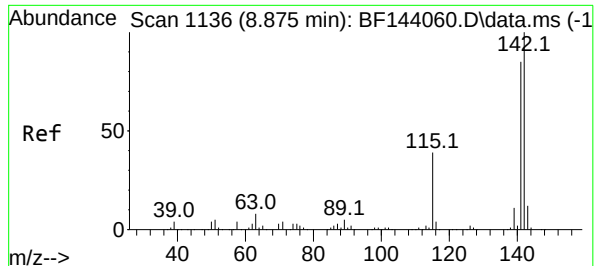
Ion Ratio Lower Upper

107 100

144 26.9 21.6 32.4

142 77.0 65.4 98.0





#37

2-Methylnaphthalene

Concen: 44.094 ng

RT: 8.875 min Scan# 1136

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

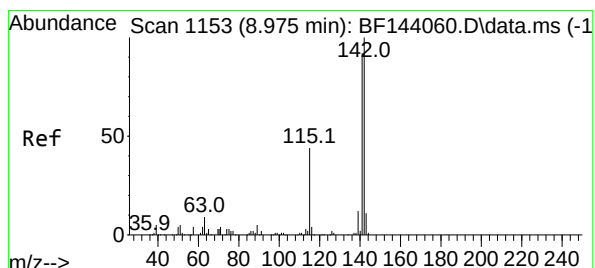
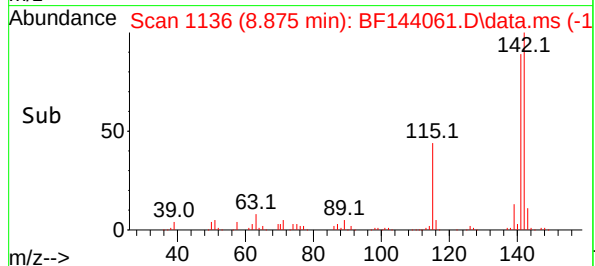
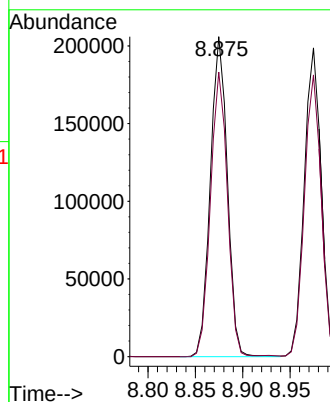
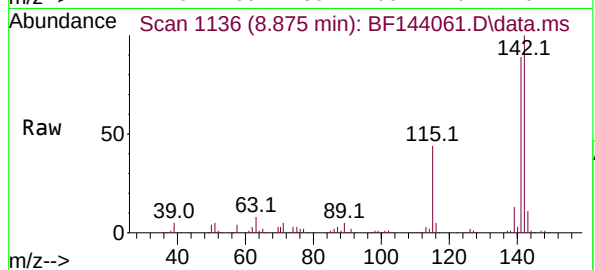
SSTDICC050

Tgt Ion:142 Resp: 257754

Ion Ratio Lower Upper

142 100

141 88.9 67.6 101.4



#38

1-Methylnaphthalene

Concen: 44.400 ng

RT: 8.975 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF144061.D

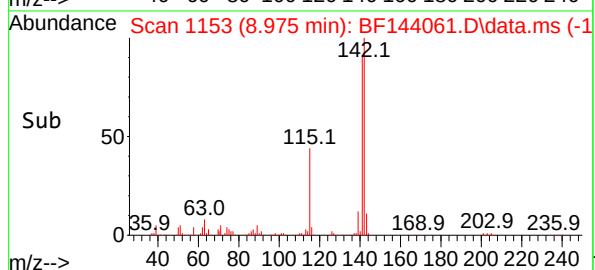
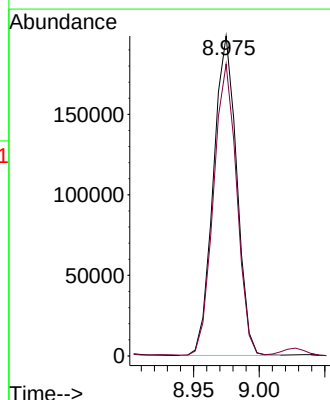
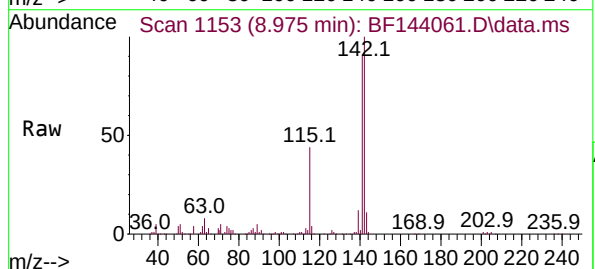
Acq: 24 Oct 2025 13:34

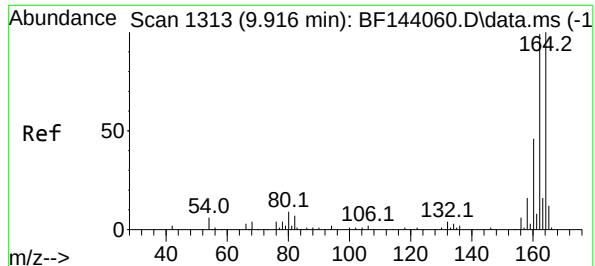
Tgt Ion:142 Resp: 245890

Ion Ratio Lower Upper

142 100

141 91.2 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

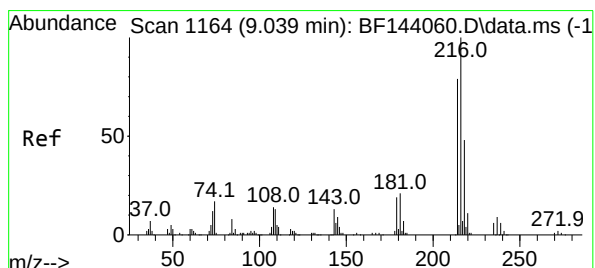
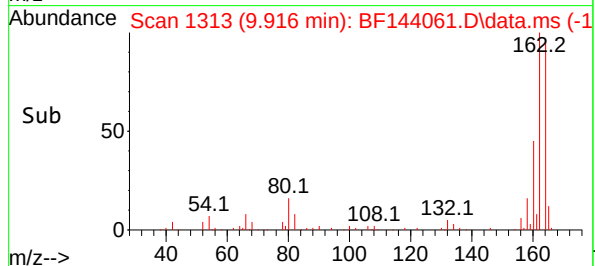
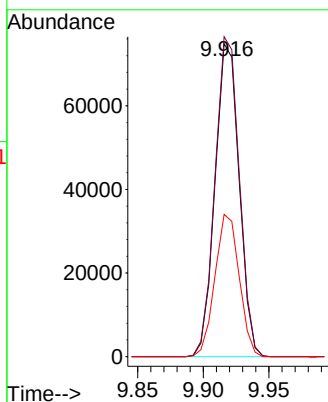
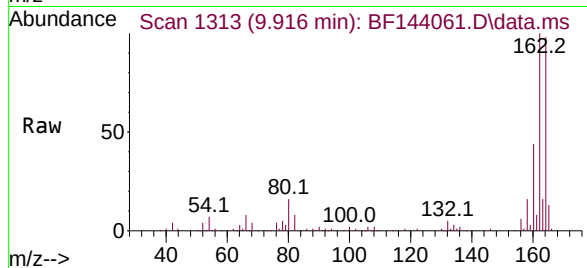
Tgt Ion:164 Resp: 95790

Ion Ratio Lower Upper

164 100

162 102.3 79.4 119.2

160 45.5 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.764 ng

RT: 9.039 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Tgt Ion:216 Resp: 150659

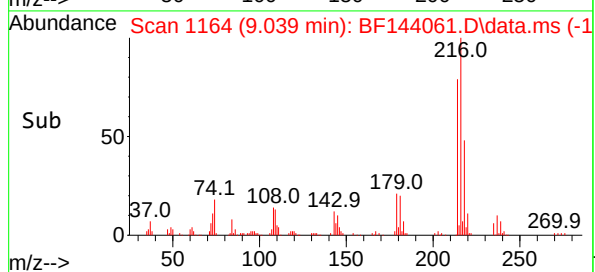
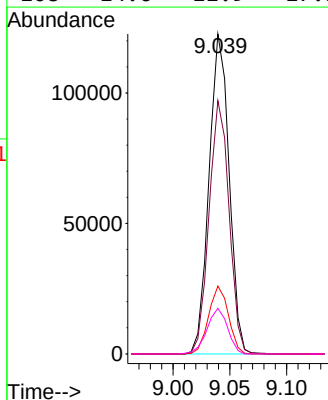
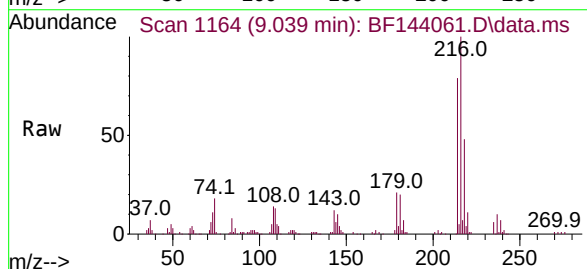
Ion Ratio Lower Upper

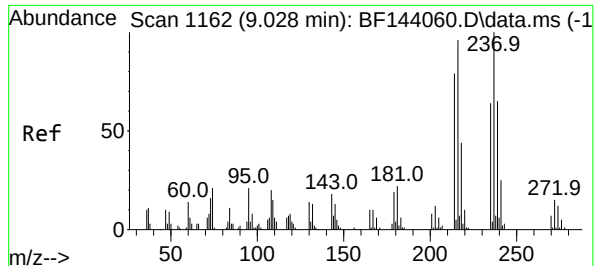
216 100

214 78.9 63.2 94.8

179 20.9 15.2 22.8

108 14.6 11.9 17.9





#41

Hexachlorocyclopentadiene

Concen: 48.354 ng

RT: 9.028 min Scan# 1162

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

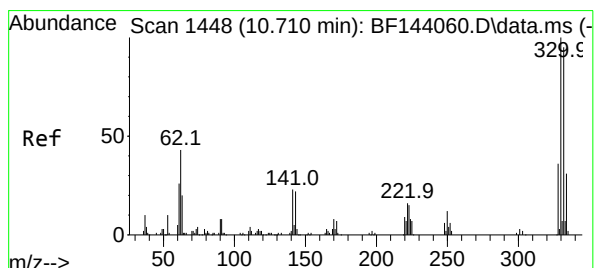
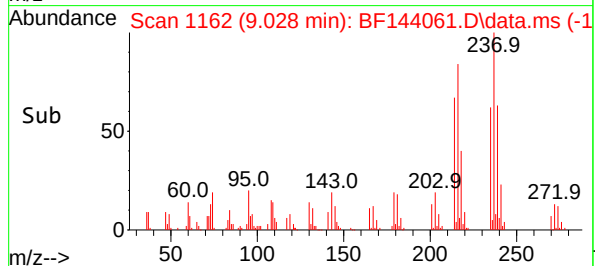
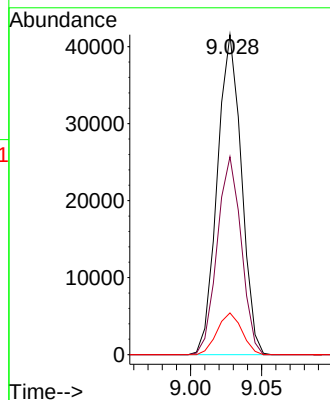
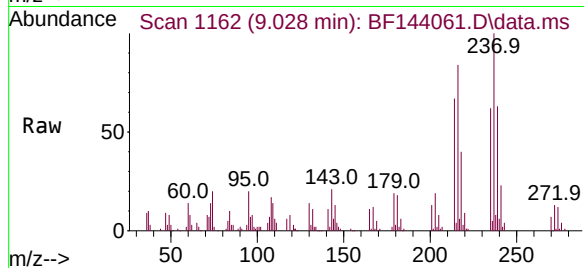
Tgt Ion:237 Resp: 49167

Ion Ratio Lower Upper

237 100

235 61.8 44.3 84.3

272 13.0 0.0 35.2



#42

2,4,6-Tribromophenol

Concen: 94.659 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

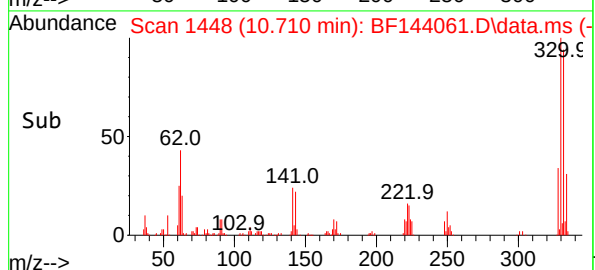
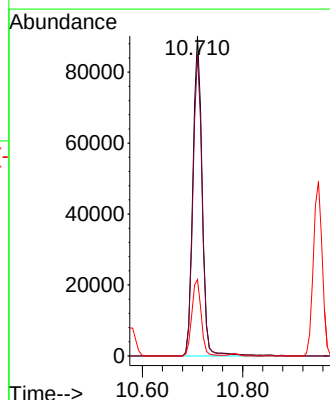
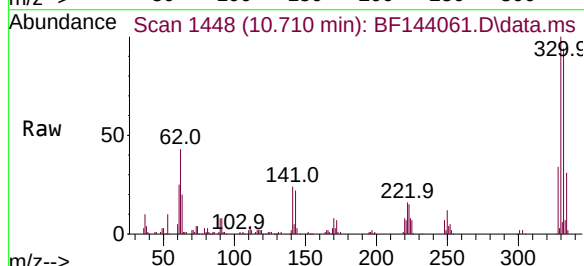
Tgt Ion:330 Resp: 115501

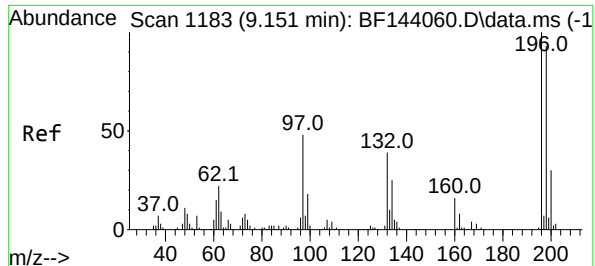
Ion Ratio Lower Upper

330 100

332 93.6 77.0 115.6

141 24.0 19.4 29.0





#43

2,4,6-Trichlorophenol

Concen: 47.829 ng

RT: 9.151 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

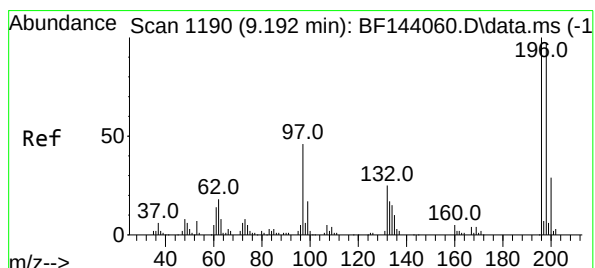
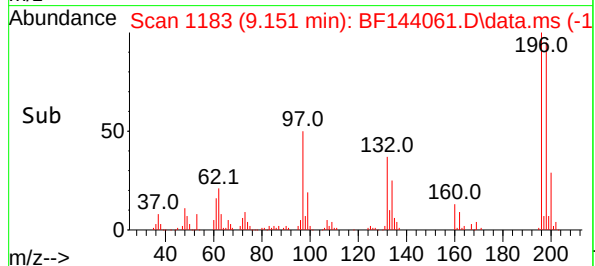
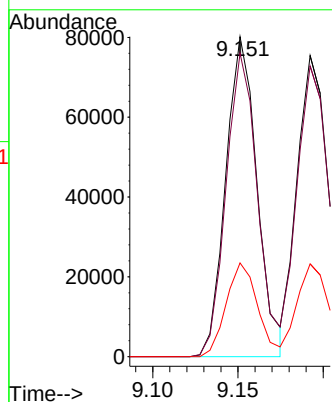
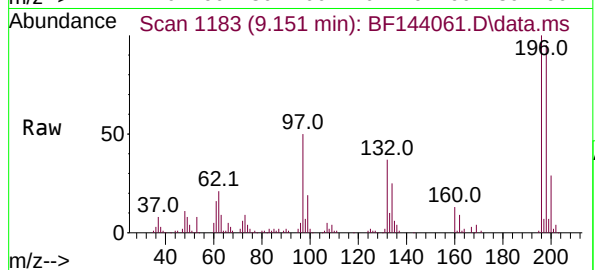
Tgt Ion:196 Resp: 102347

Ion Ratio Lower Upper

196 100

198 94.8 74.4 111.6

200 29.3 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 45.562 ng

RT: 9.192 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Tgt Ion:196 Resp: 102322

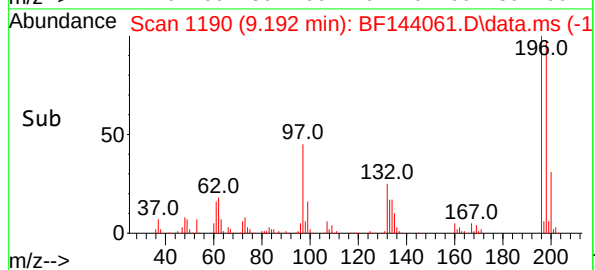
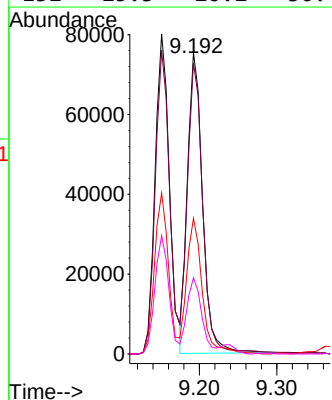
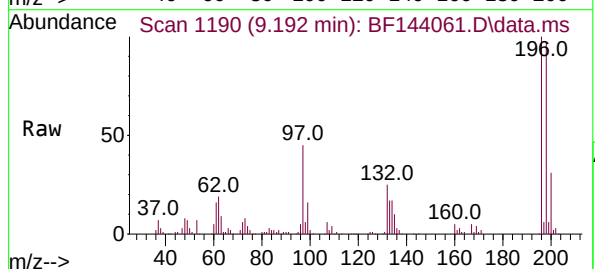
Ion Ratio Lower Upper

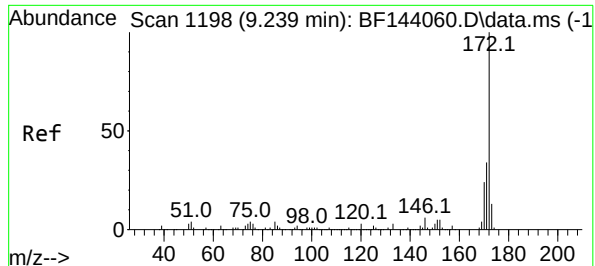
196 100

198 96.6 78.0 117.0

97 45.1 37.7 56.5

132 25.3 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 90.861 ng

RT: 9.239 min Scan# 1198

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

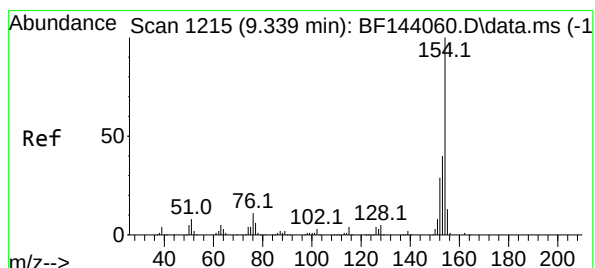
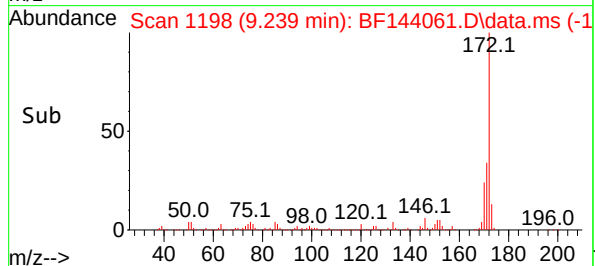
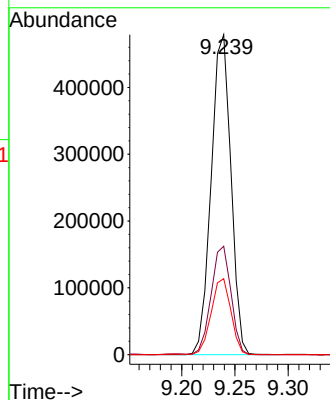
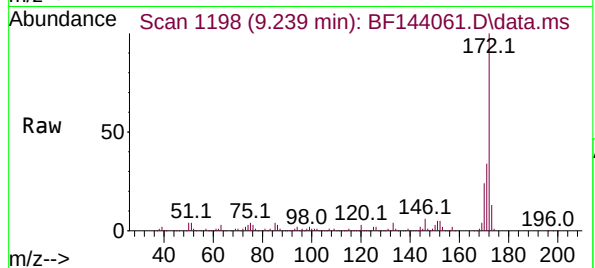
Tgt Ion:172 Resp: 618497

Ion Ratio Lower Upper

172 100

171 33.9 27.5 41.3

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 45.996 ng

RT: 9.339 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

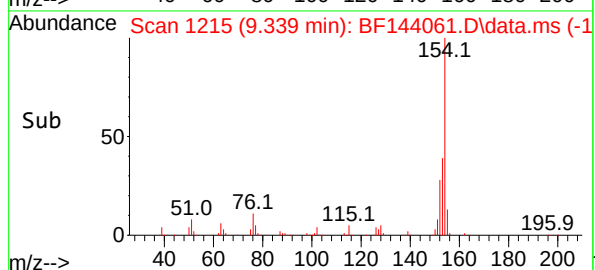
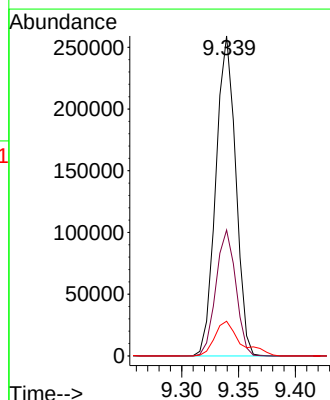
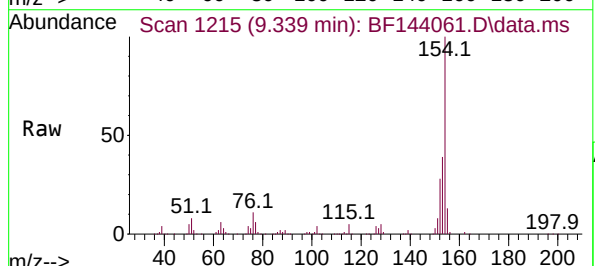
Tgt Ion:154 Resp: 315397

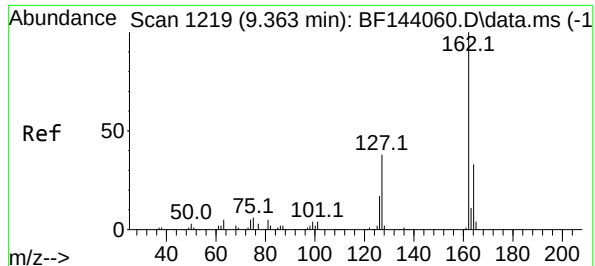
Ion Ratio Lower Upper

154 100

153 39.3 19.7 59.7

76 10.8 0.0 31.1





#47

2-Chloronaphthalene

Concen: 45.914 ng

RT: 9.363 min Scan# 1219

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

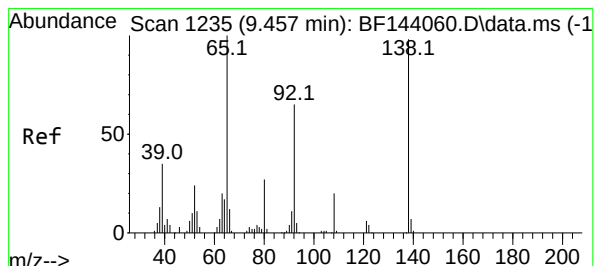
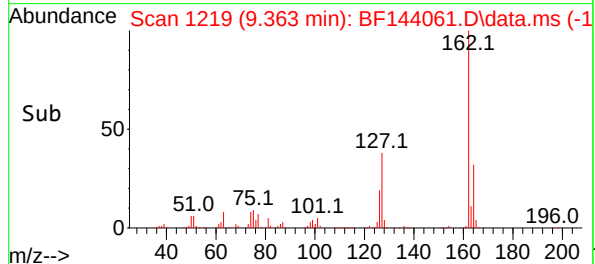
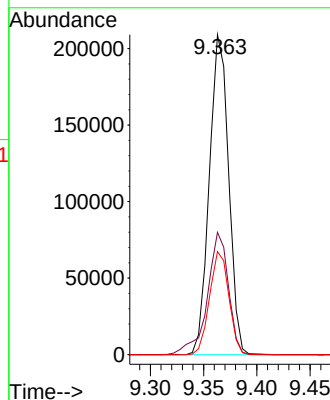
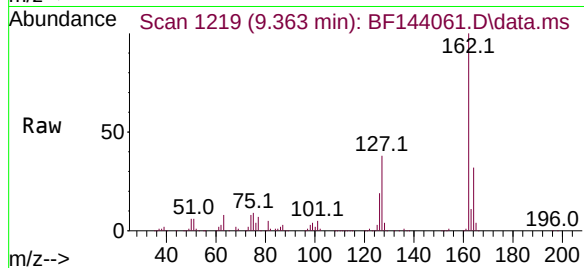
Tgt Ion:162 Resp: 263764

Ion Ratio Lower Upper

162 100

127 38.2 31.6 47.4

164 32.2 26.5 39.7



#48

2-Nitroaniline

Concen: 46.691 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.006 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

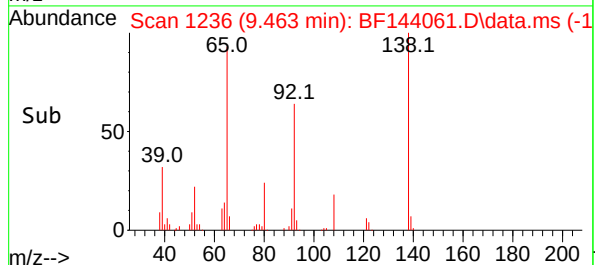
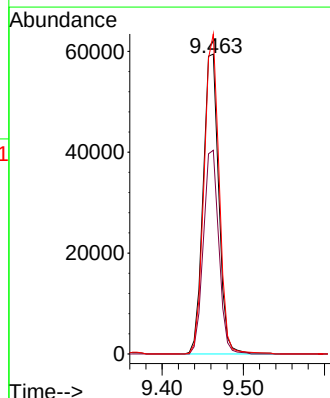
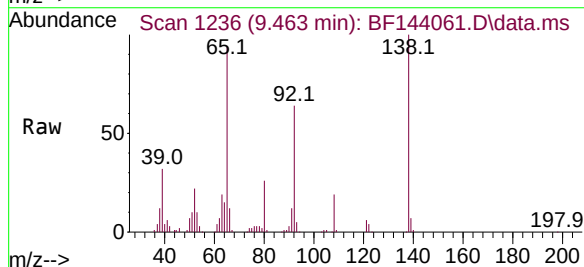
Tgt Ion: 65 Resp: 79650

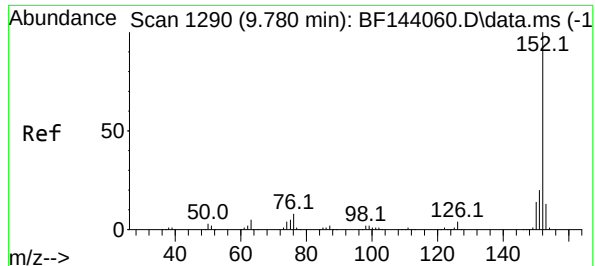
Ion Ratio Lower Upper

65 100

92 67.9 52.3 78.5

138 106.7 78.3 117.5





#49

Acenaphthylene

Concen: 45.641 ng

RT: 9.781 min Scan# 1290

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

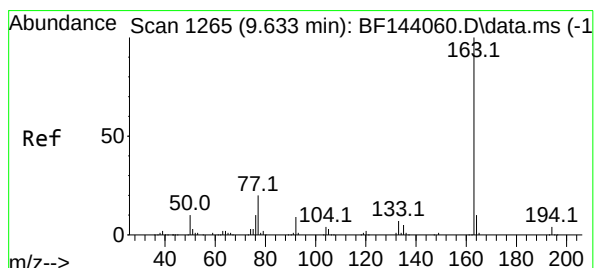
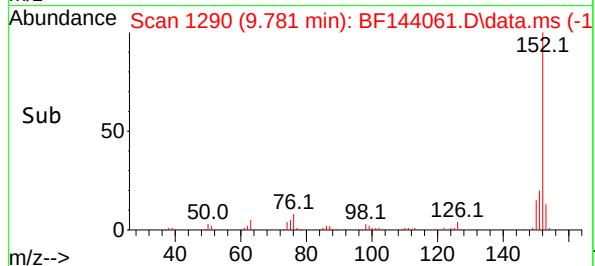
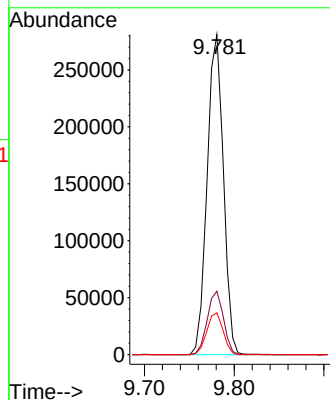
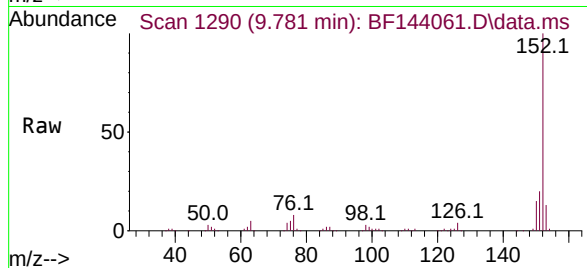
Tgt Ion:152 Resp: 353529

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 46.495 ng

RT: 9.633 min Scan# 1265

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

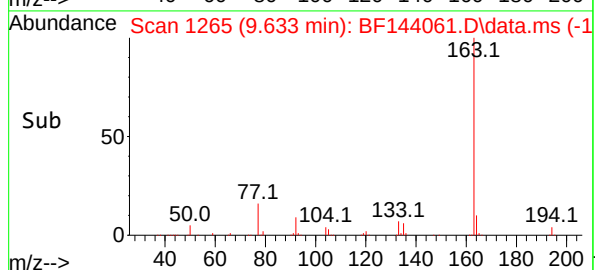
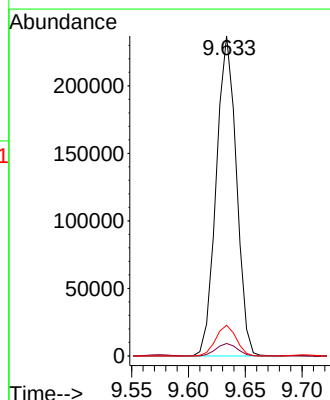
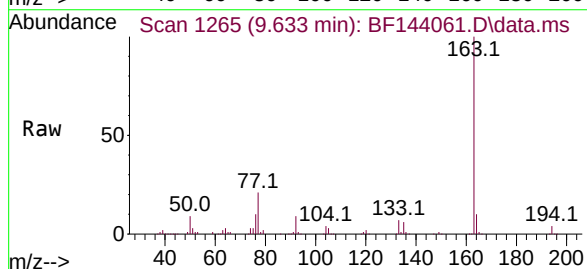
Tgt Ion:163 Resp: 291936

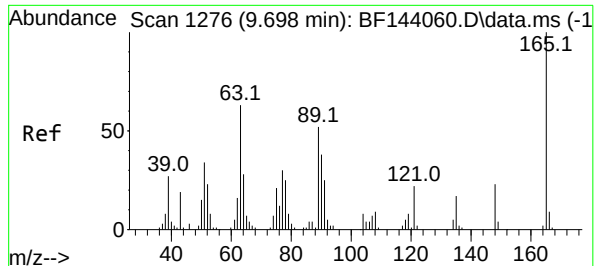
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

164 9.6 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 48.590 ng

RT: 9.698 min Scan# 1276

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

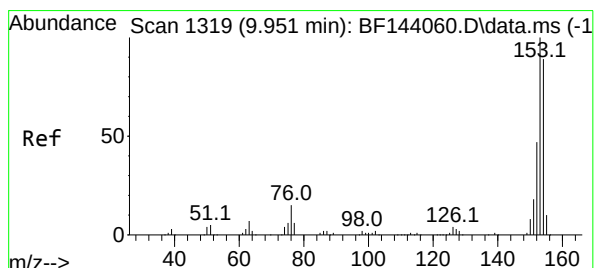
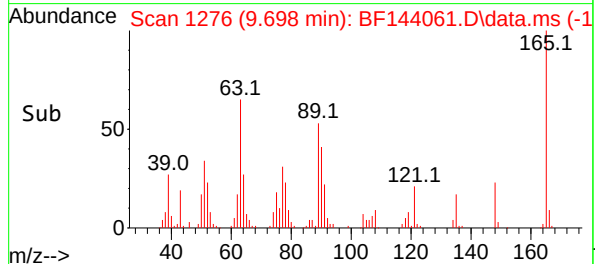
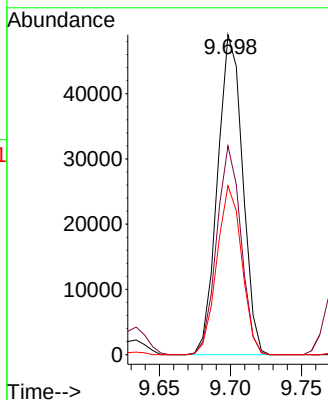
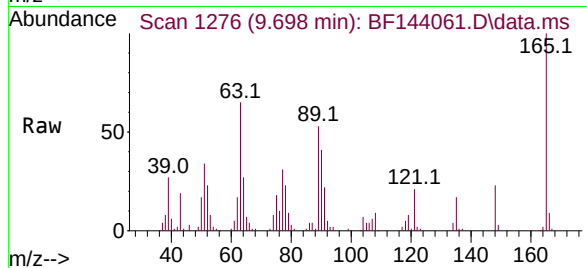
Tgt Ion:165 Resp: 60313

Ion Ratio Lower Upper

165 100

63 65.2 50.4 75.6

89 52.8 41.4 62.2



#52

Acenaphthene

Concen: 46.250 ng

RT: 9.951 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

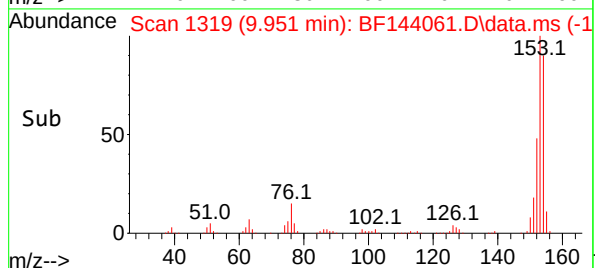
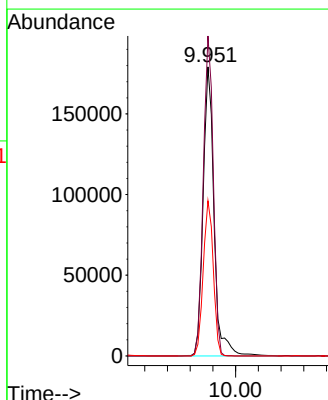
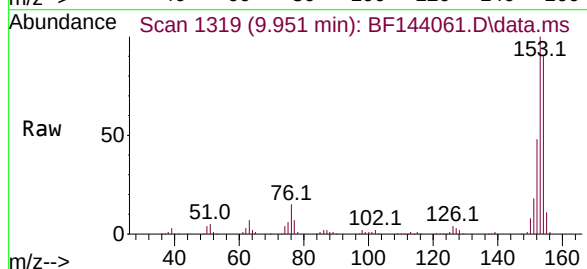
Tgt Ion:154 Resp: 239254

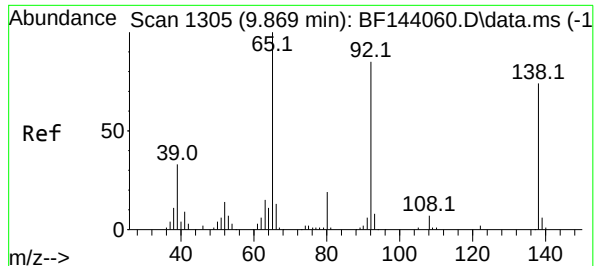
Ion Ratio Lower Upper

154 100

153 110.7 89.9 134.9

152 53.7 42.0 63.0





#53

3-Nitroaniline

Concen: 48.727 ng

RT: 9.869 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

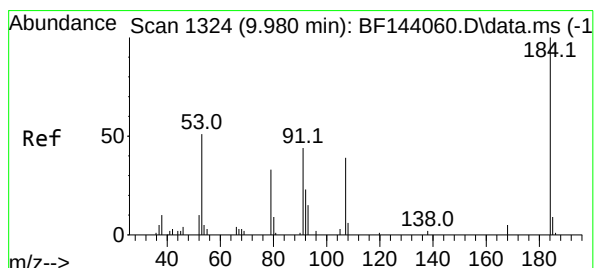
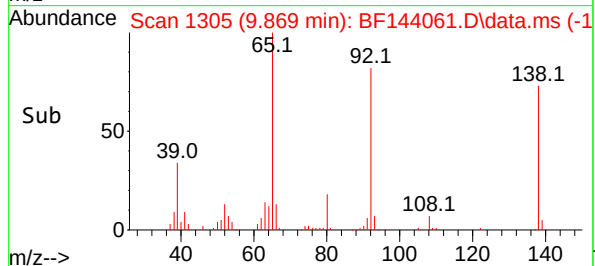
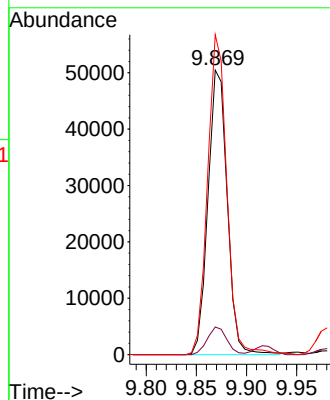
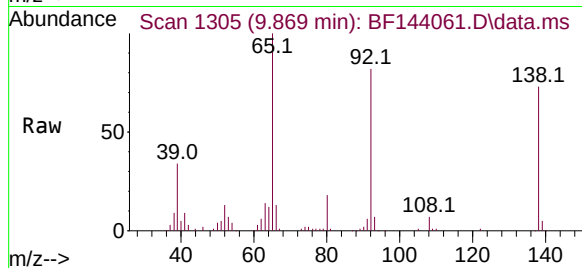
Tgt Ion:138 Resp: 67246

Ion Ratio Lower Upper

138 100

108 9.7 7.9 11.9

92 112.5 92.0 138.0



#54

2,4-Dinitrophenol

Concen: 41.328 ng

RT: 9.981 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

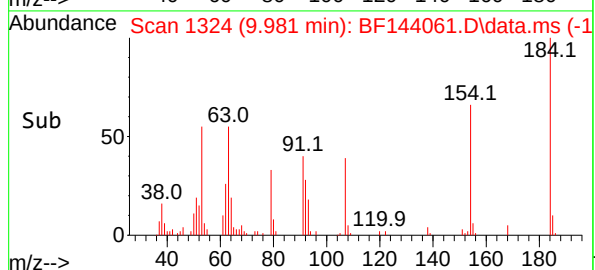
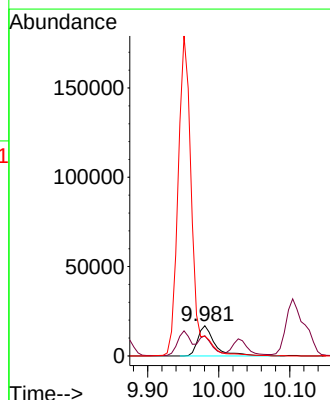
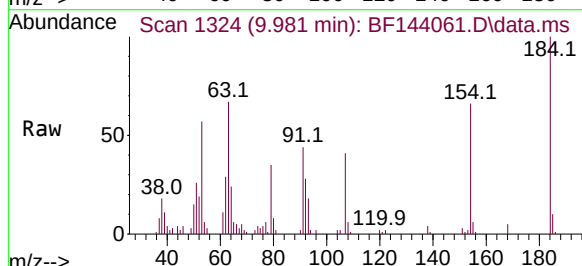
Tgt Ion:184 Resp: 27746

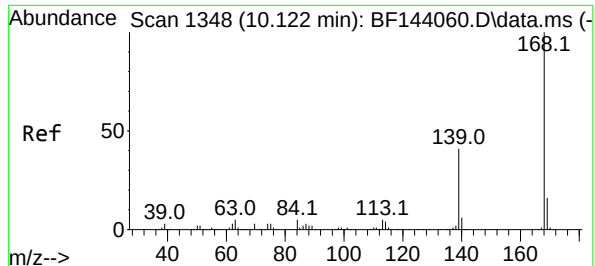
Ion Ratio Lower Upper

184 100

63 66.6 52.1 78.1

154 66.0 47.9 71.9





#55

Dibenzenofuran

Concen: 46.390 ng

RT: 10.122 min Scan# 1348

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

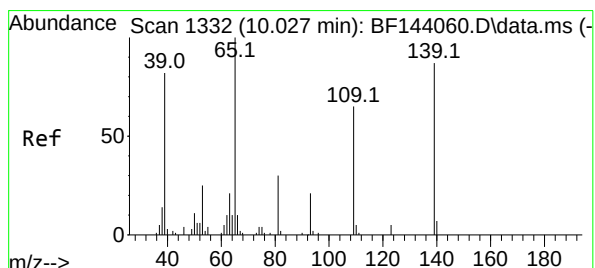
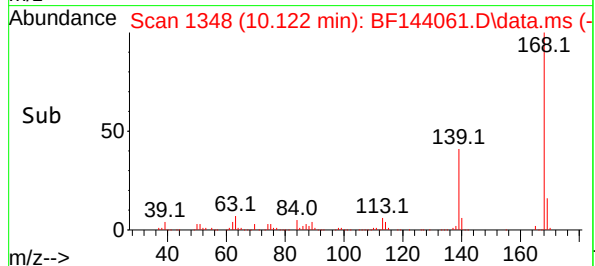
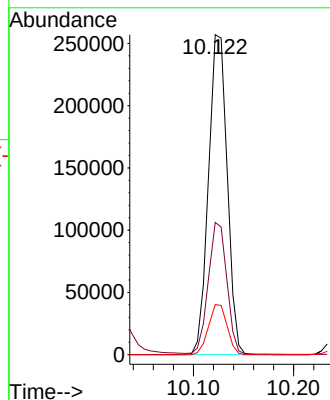
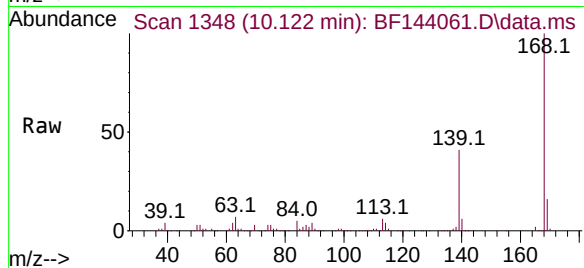
Tgt Ion:168 Resp: 333154

Ion Ratio Lower Upper

168 100

139 41.3 33.2 49.8

169 15.6 12.6 19.0



#56

4-Nitrophenol

Concen: 44.760 ng

RT: 10.028 min Scan# 1332

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

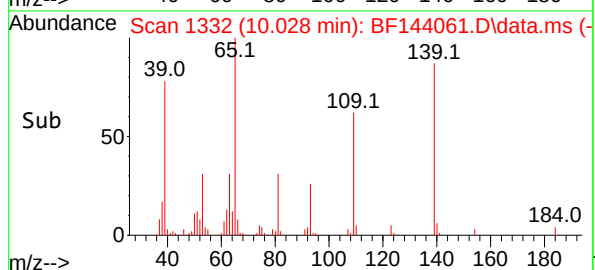
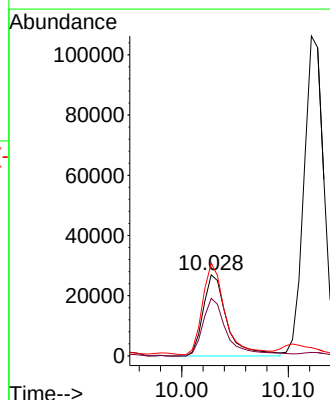
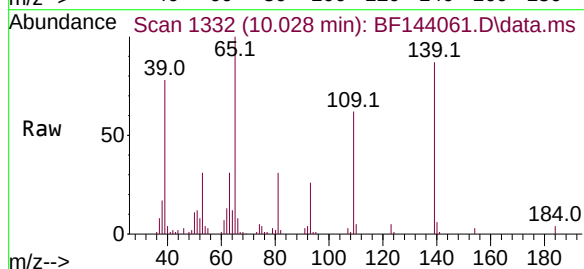
Tgt Ion:139 Resp: 41829

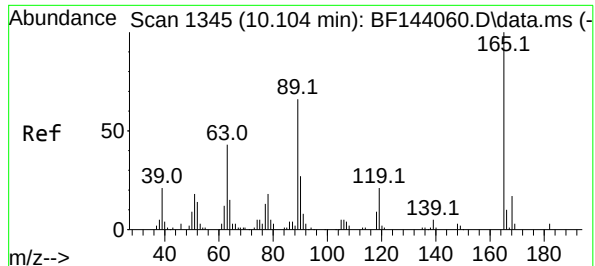
Ion Ratio Lower Upper

139 100

109 71.1 53.8 93.8

65 114.7 95.9 135.9

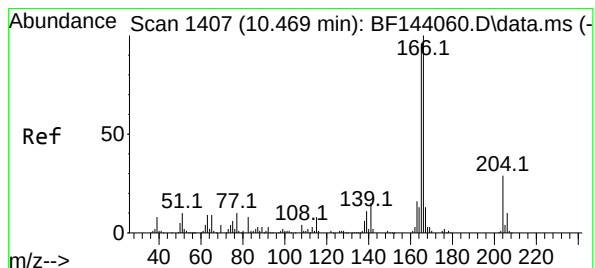
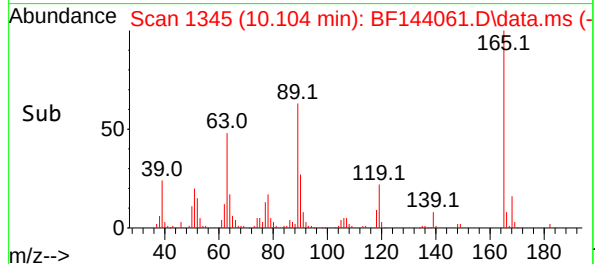
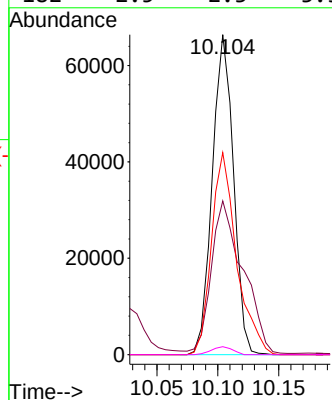
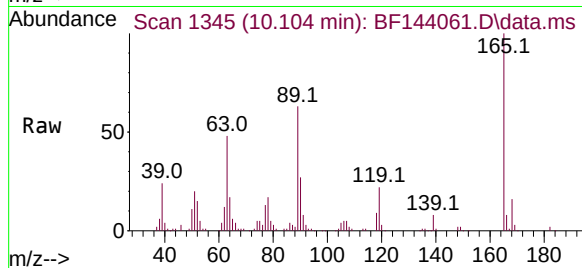




#57
2,4-Dinitrotoluene
Concen: 48.075 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

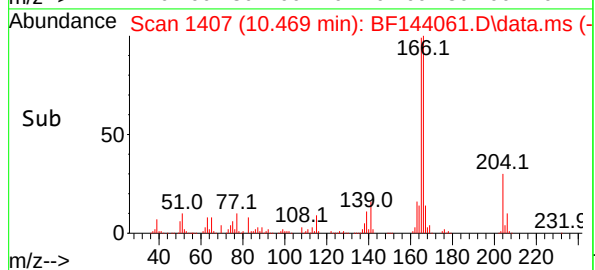
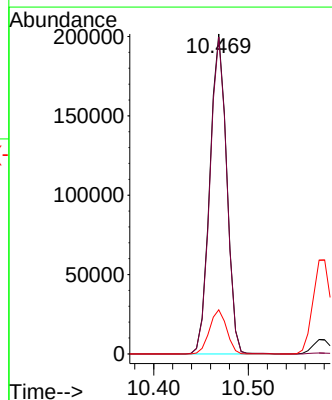
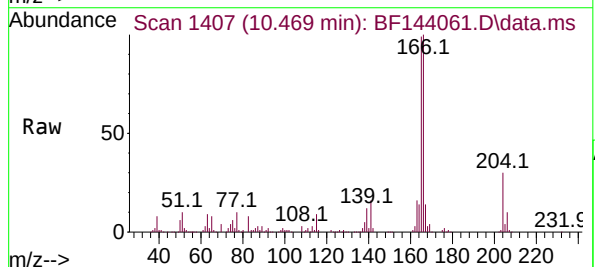
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

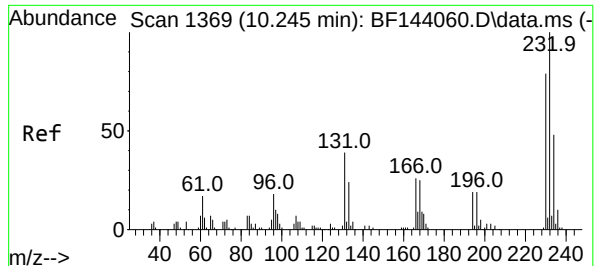
Tgt Ion:165 Resp: 80539
Ion Ratio Lower Upper
165 100
63 48.0 35.4 53.2
89 63.1 52.7 79.1
182 2.5 2.3 3.5



#58
Fluorene
Concen: 45.558 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:166 Resp: 249298
Ion Ratio Lower Upper
166 100
165 99.0 77.0 115.4
167 13.8 10.2 15.4

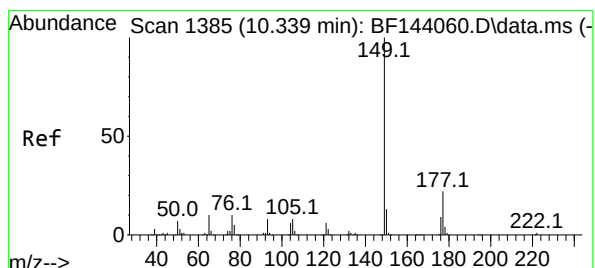
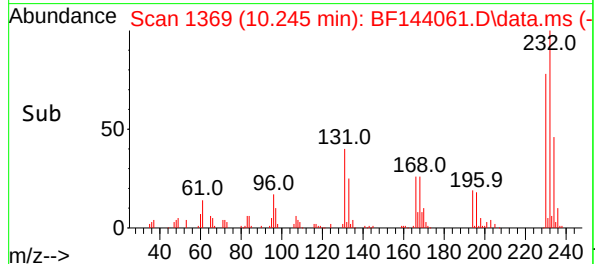
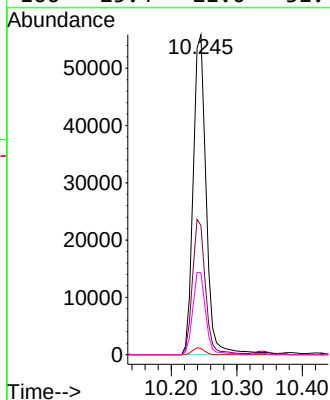
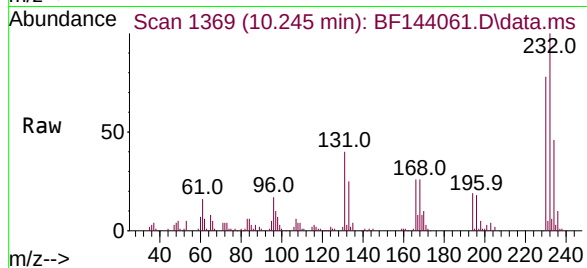




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.766 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

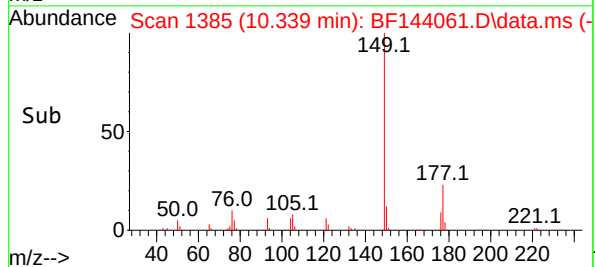
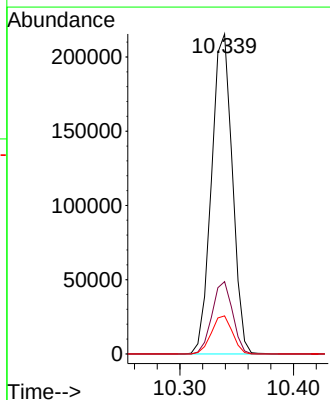
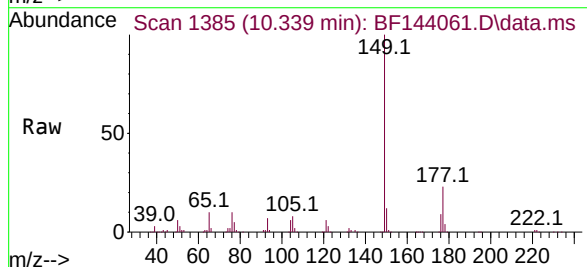
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

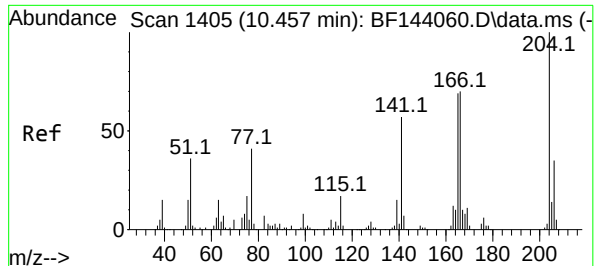
Tgt Ion:232 Resp: 77175
Ion Ratio Lower Upper
232 100
131 42.1 31.9 47.9
130 1.9 1.1 1.7#
166 25.4 21.0 31.4



#60
Diethylphthalate
Concen: 46.451 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:149 Resp: 274281
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.6
150 11.9 10.1 15.1

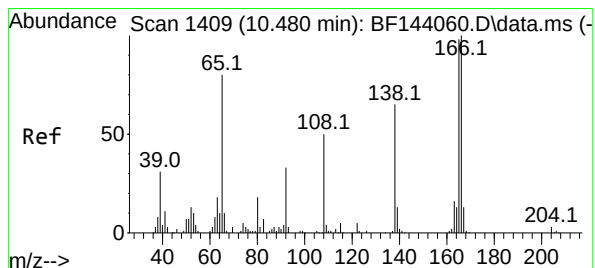
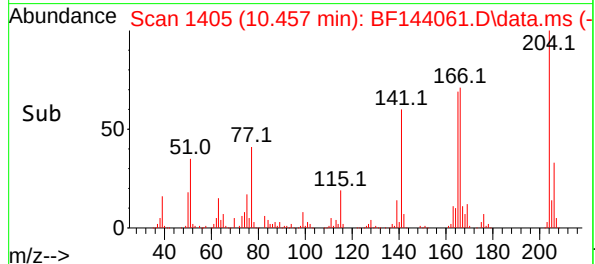
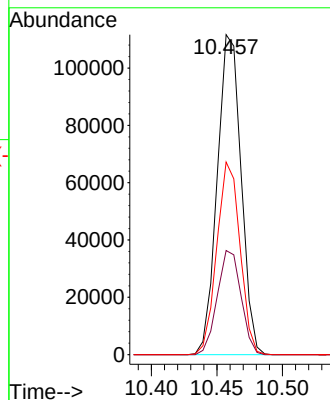
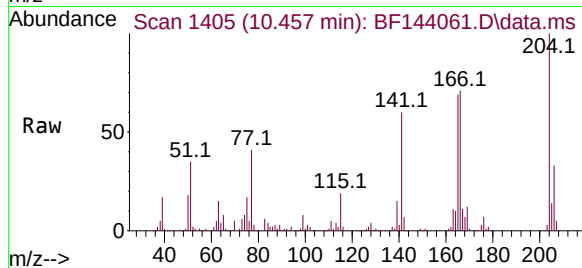




#61
4-Chlorophenyl-phenylether
Concen: 46.015 ng
RT: 10.457 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

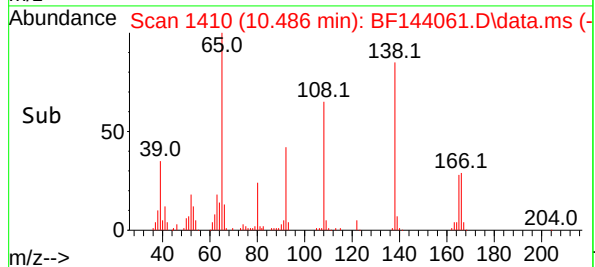
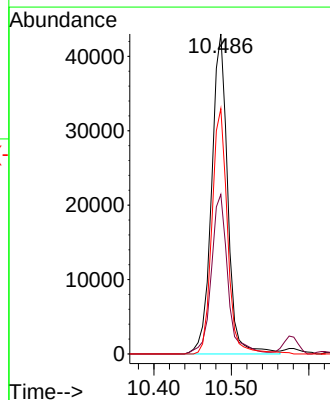
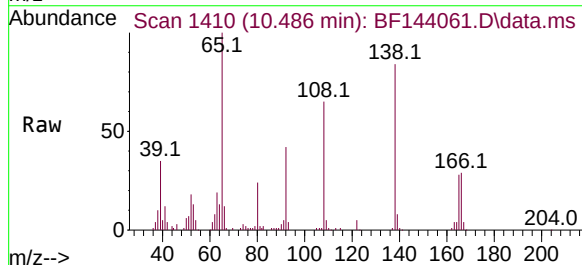
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

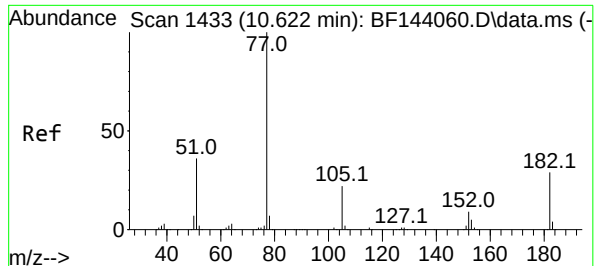
Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.5	27.8	41.6
141	60.2	45.4	68.2



#62
4-Nitroaniline
Concen: 47.618 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.8	30.5	70.5
108	76.6	56.2	96.2

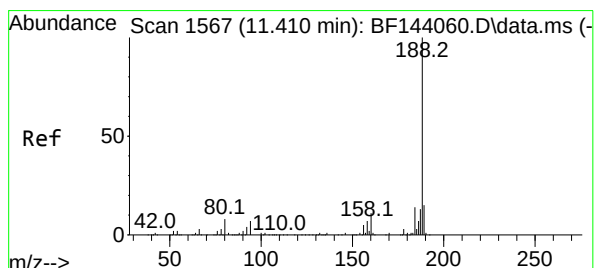
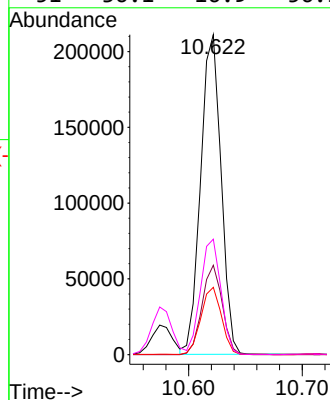
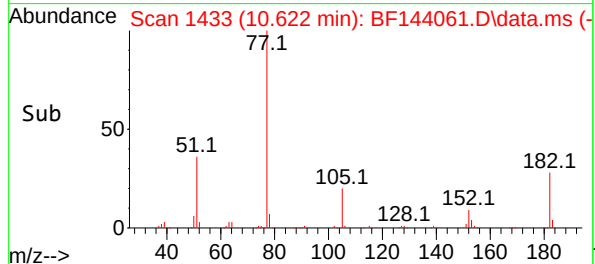
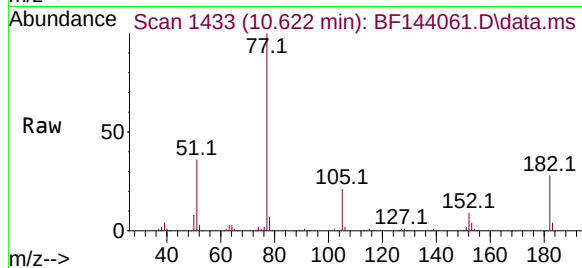




#63
Azobenzene
Concen: 47.243 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

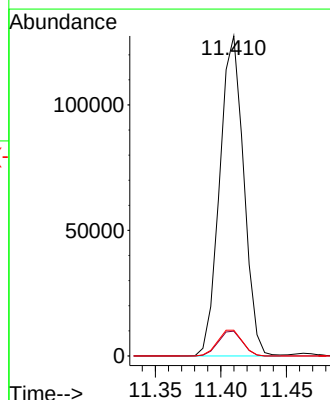
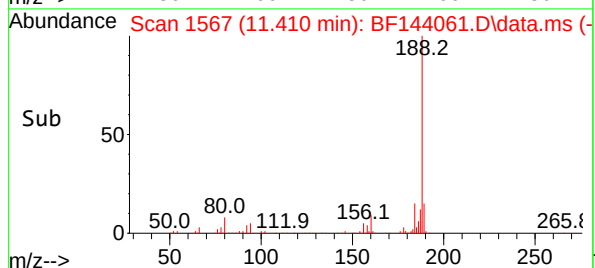
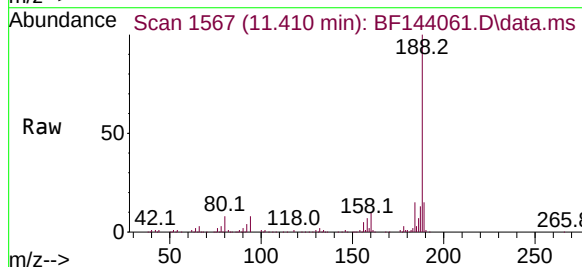
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

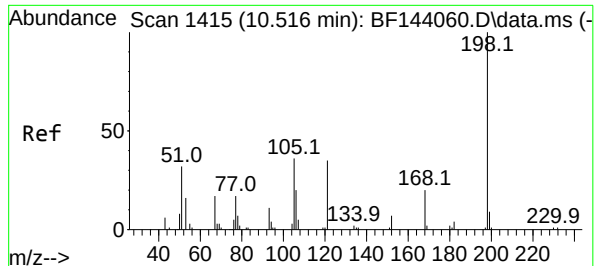
Tgt Ion: 77	Resp: 264030
Ion Ratio	Lower Upper
77 100	
182 27.9	9.0 49.0
105 21.0	1.4 41.4
51 36.1	16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion: 188	Resp: 163068
Ion Ratio	Lower Upper
188 100	
94 7.7	5.4 8.0
80 8.0	6.0 9.0

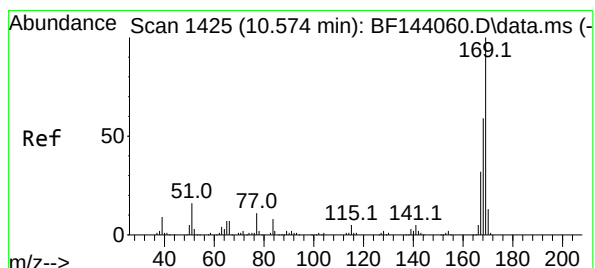
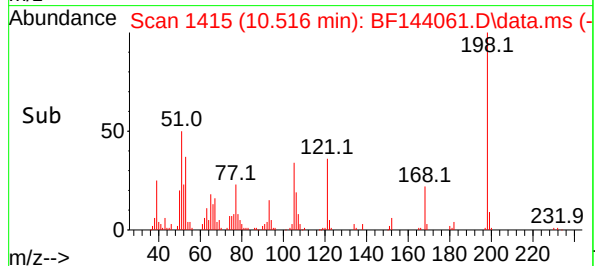
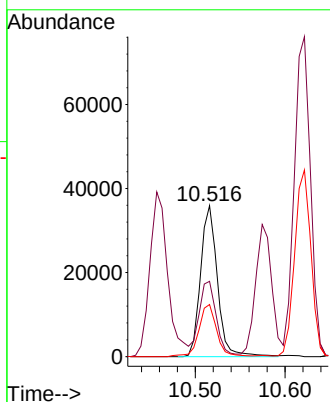
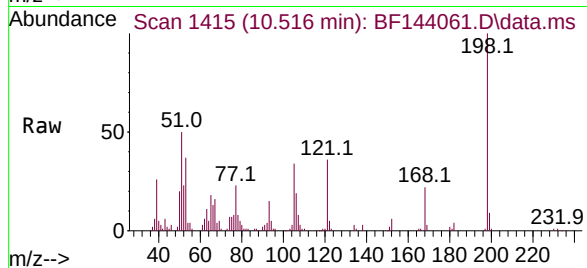




#65
4,6-Dinitro-2-methylphenol
Concen: 44.864 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

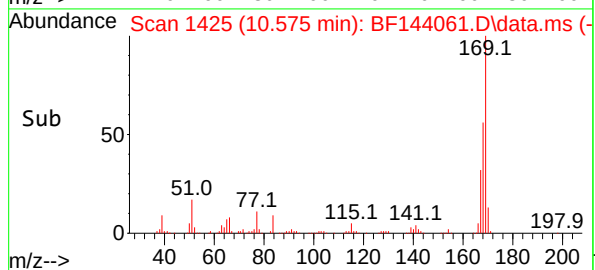
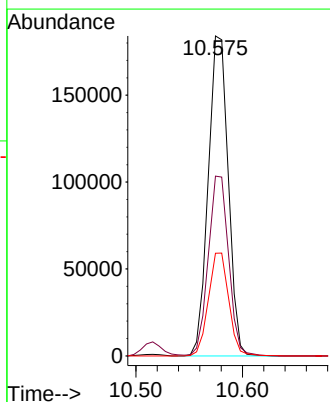
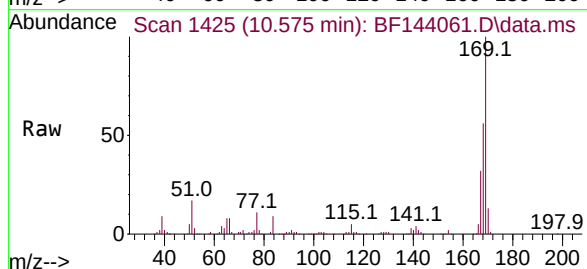
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

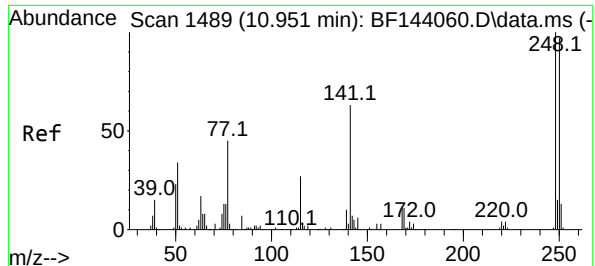
Tgt Ion	Ratio	Lower	Upper
198	100		
51	49.8	25.8	65.8
105	34.5	17.2	57.2



#66
n-Nitrosodiphenylamine
Concen: 46.171 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion	Ratio	Lower	Upper
169	100		
168	56.2	47.4	71.2
167	32.1	25.5	38.3

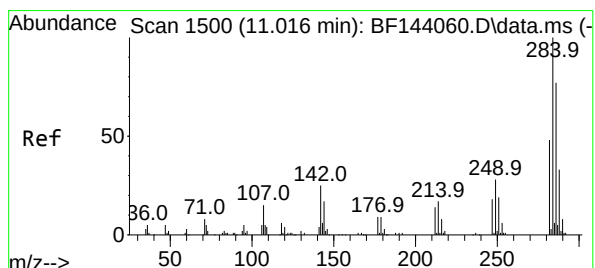
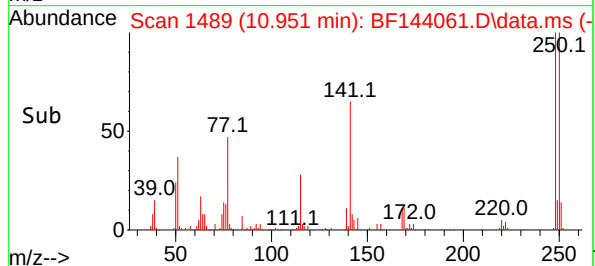
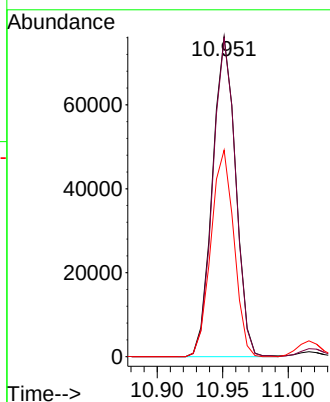
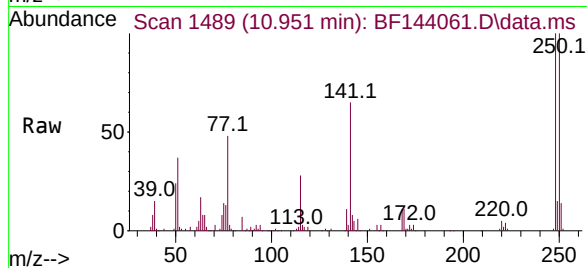




#67
4-Bromophenyl-phenylether
Concen: 45.996 ng
RT: 10.951 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

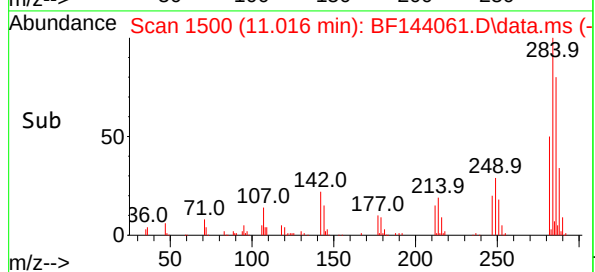
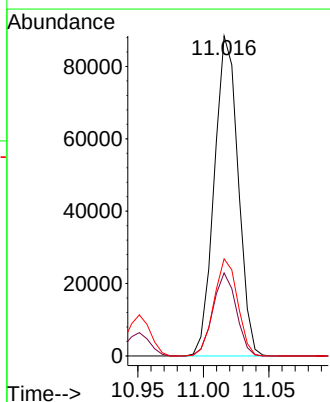
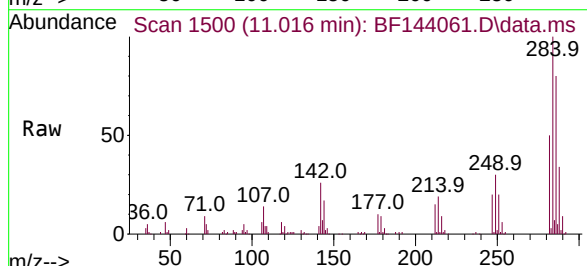
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

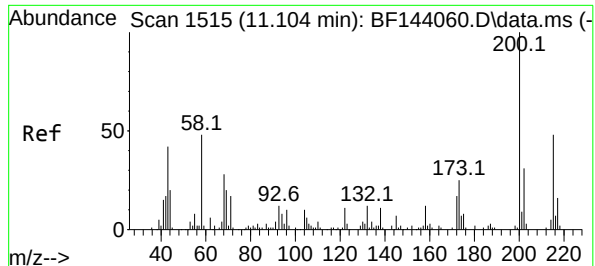
Tgt Ion:248 Resp: 93911
Ion Ratio Lower Upper
248 100
250 99.5 77.8 116.6
141 64.5 50.5 75.7



#68
Hexachlorobenzene
Concen: 44.706 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:284 Resp: 111943
Ion Ratio Lower Upper
284 100
142 25.9 20.0 30.0
249 30.3 22.2 33.2





#69

Atrazine

Concen: 44.162 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

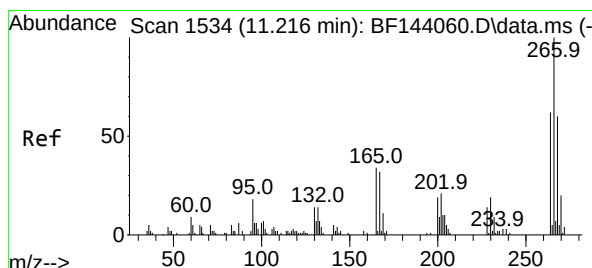
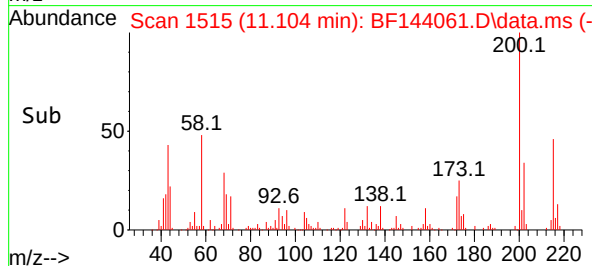
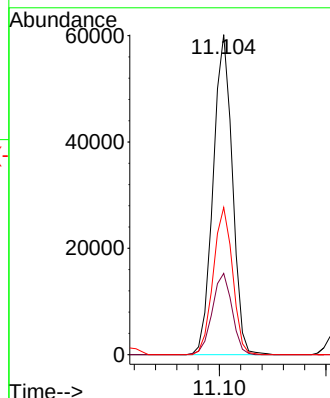
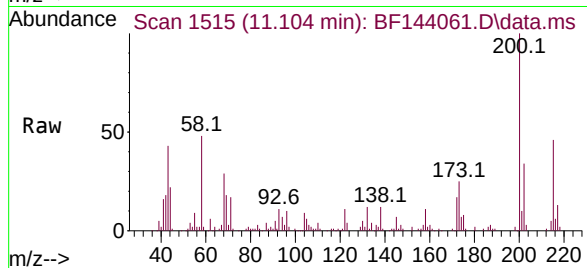
Tgt Ion:200 Resp: 75502

Ion Ratio Lower Upper

200 100

173 25.4 4.9 44.9

215 46.0 28.2 68.2



#70

Pentachlorophenol

Concen: 48.981 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

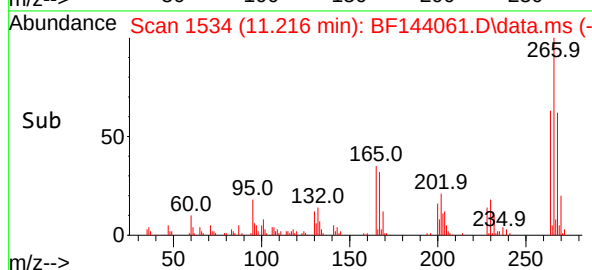
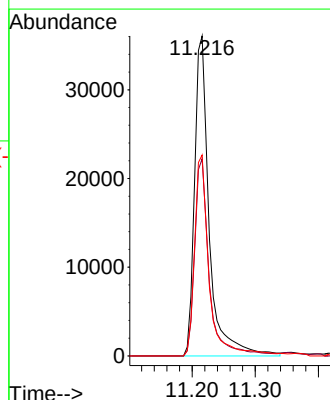
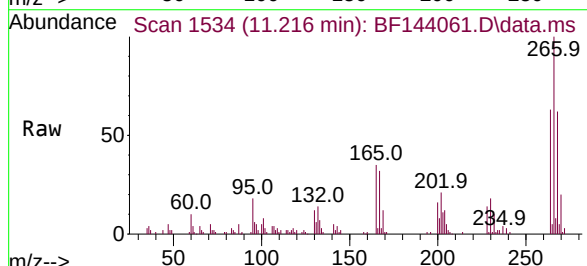
Tgt Ion:266 Resp: 58380

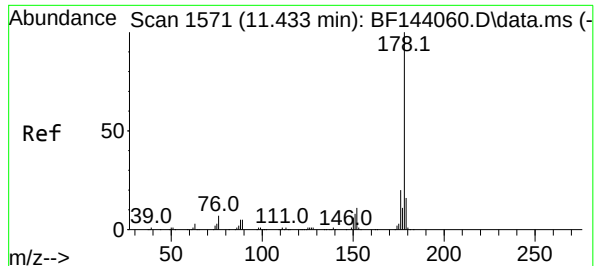
Ion Ratio Lower Upper

266 100

268 61.6 48.2 72.4

264 62.8 49.4 74.0

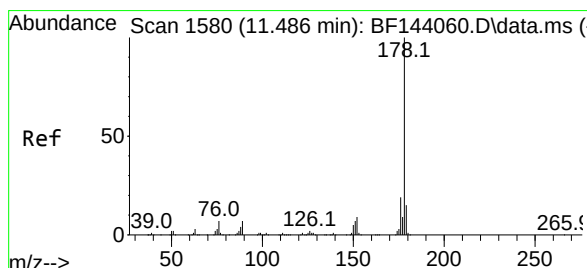
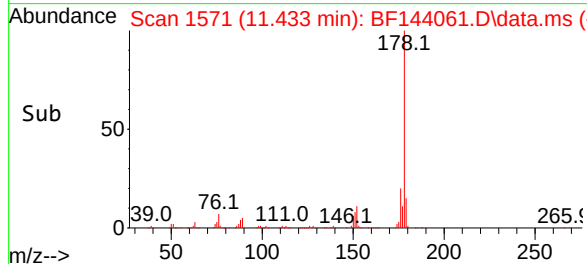
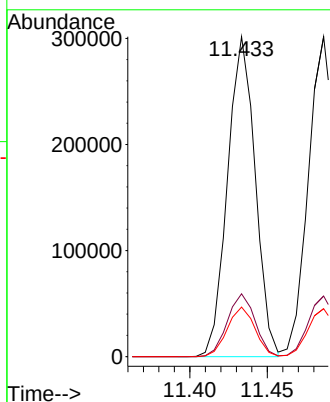
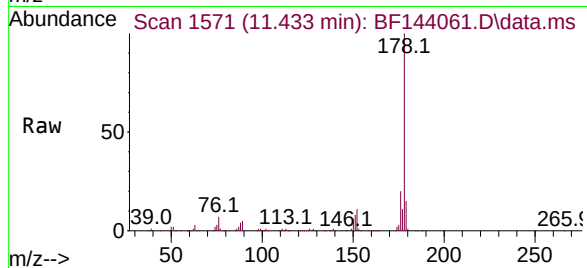




#71
Phenanthrene
Concen: 46.205 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

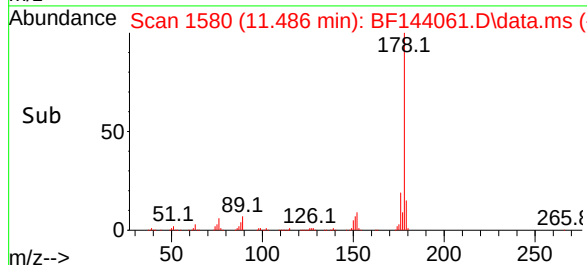
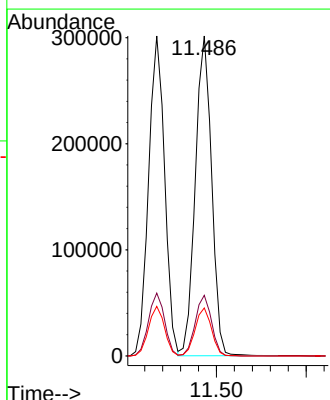
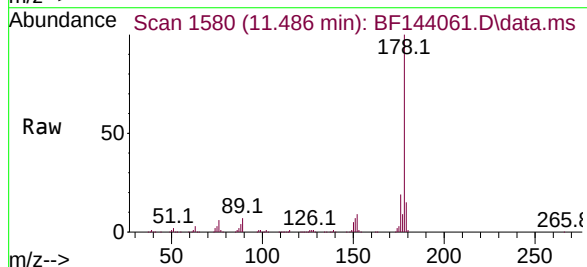
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

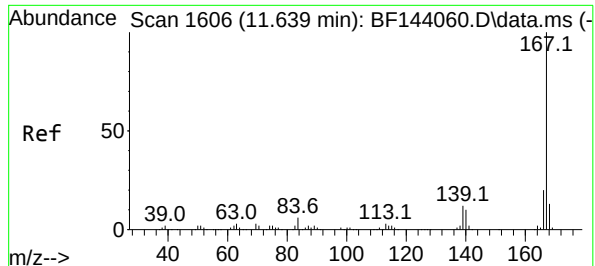
Tgt Ion:178 Resp: 374285
Ion Ratio Lower Upper
178 100
176 19.6 16.3 24.5
179 15.5 12.6 18.8



#72
Anthracene
Concen: 45.423 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:178 Resp: 380096
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.0 11.8 17.6

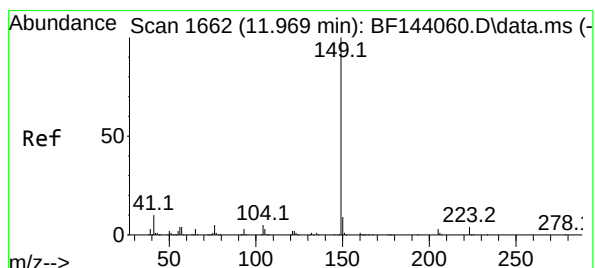
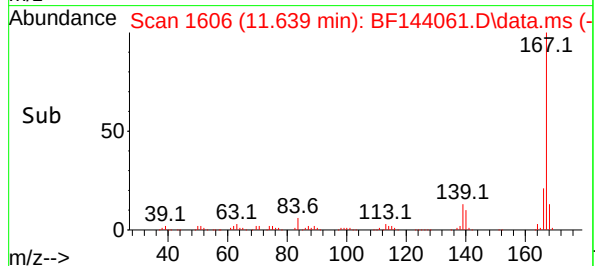
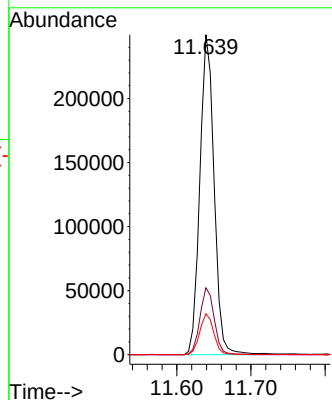
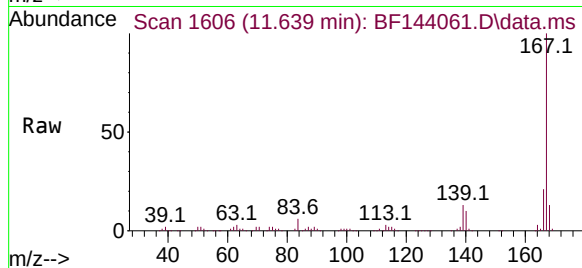




#73
Carbazole
Concen: 46.845 ng
RT: 11.639 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

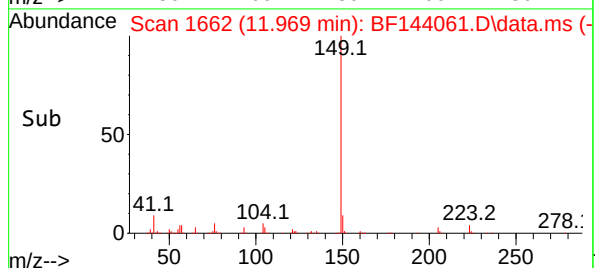
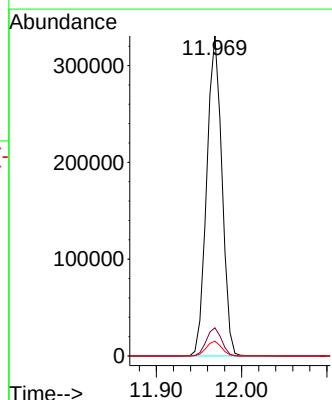
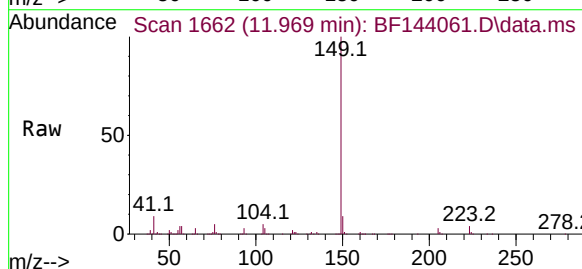
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

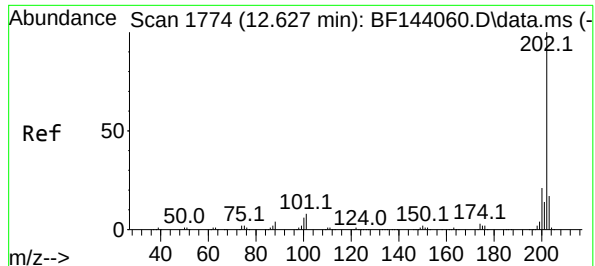
Tgt Ion:167 Resp: 333654
Ion Ratio Lower Upper
167 100
166 20.9 16.1 24.1
139 12.8 9.8 14.6



#74
Di-n-butylphthalate
Concen: 46.795 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

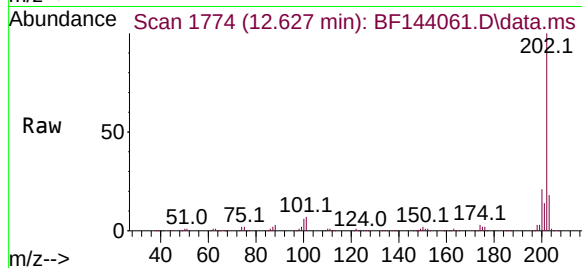
Tgt Ion:149 Resp: 408630
Ion Ratio Lower Upper
149 100
150 8.8 7.3 10.9
104 4.6 3.6 5.4



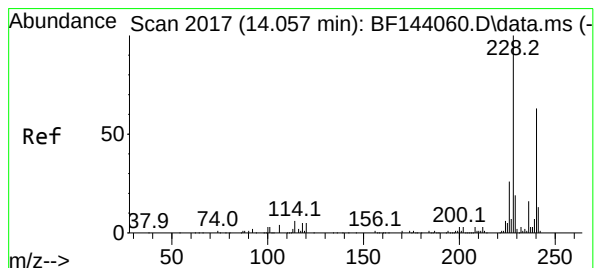
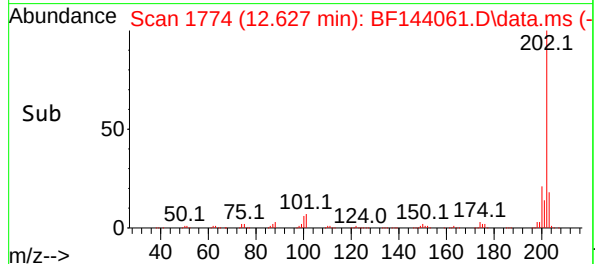
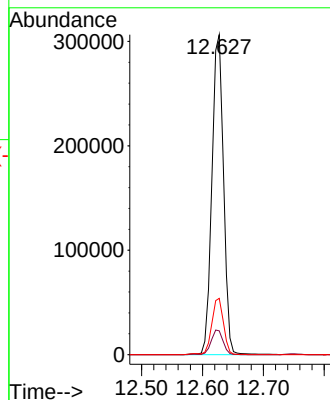


#75
Fluoranthene
Concen: 45.411 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

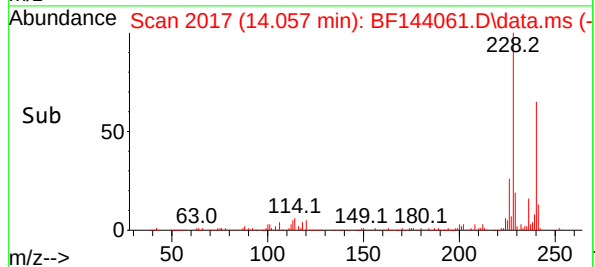
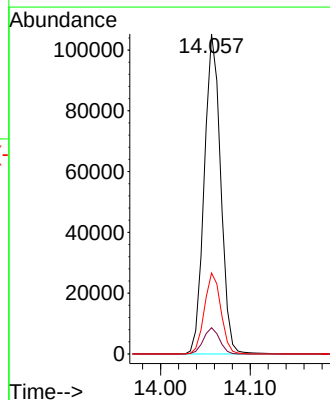
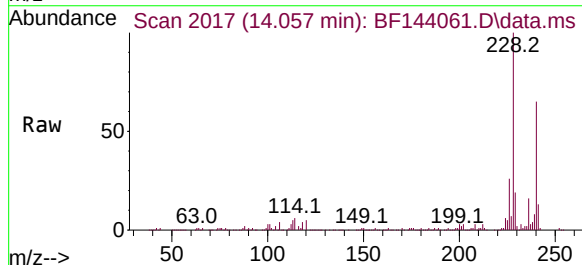


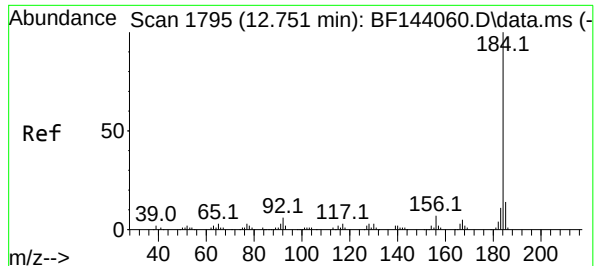
Tgt Ion:202 Resp: 406402
Ion Ratio Lower Upper
202 100
101 7.4 0.0 27.7
203 17.6 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:240 Resp: 133555
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 25.3 20.1 30.1





#77

Benzidine

Concen: 41.214 ng

RT: 12.751 min Scan# 1795

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

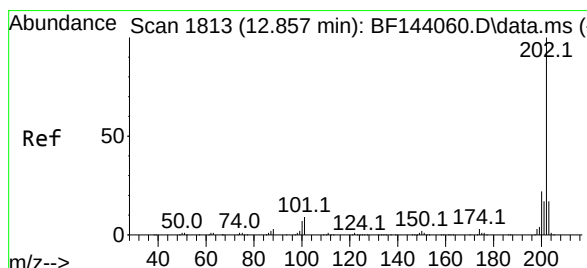
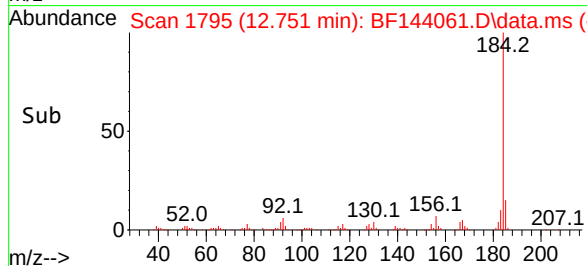
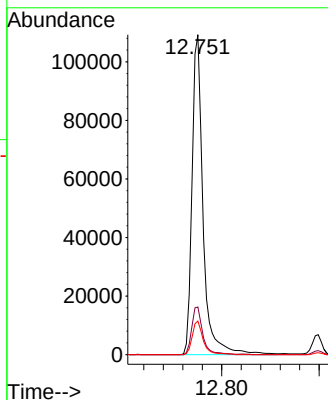
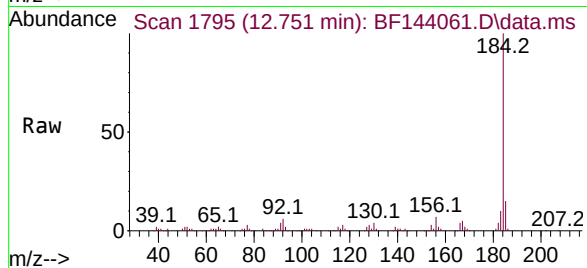
Tgt Ion:184 Resp: 171303

Ion Ratio Lower Upper

184 100

185 14.9 11.6 17.4

183 10.5 8.5 12.7



#78

Pyrene

Concen: 45.038 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

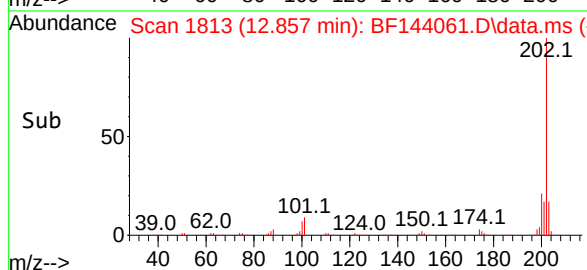
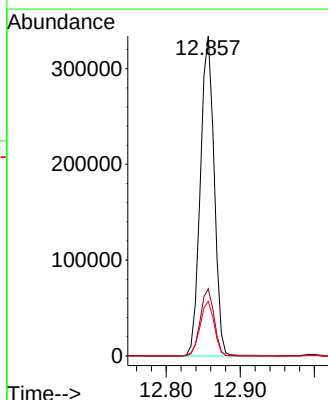
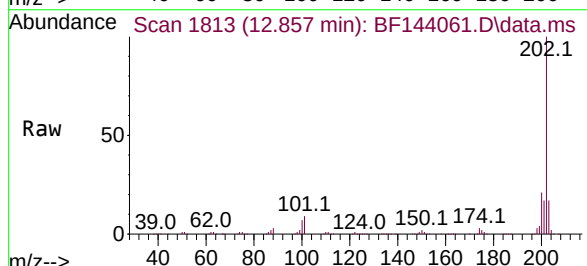
Tgt Ion:202 Resp: 432441

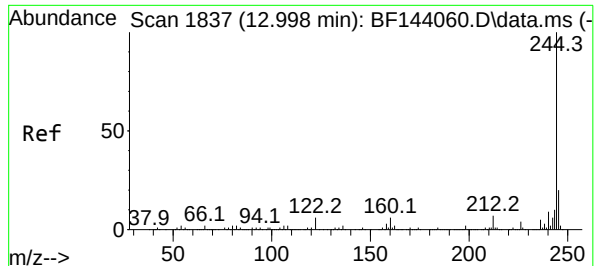
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 17.0 13.5 20.3





#79

Terphenyl-d14

Concen: 87.573 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

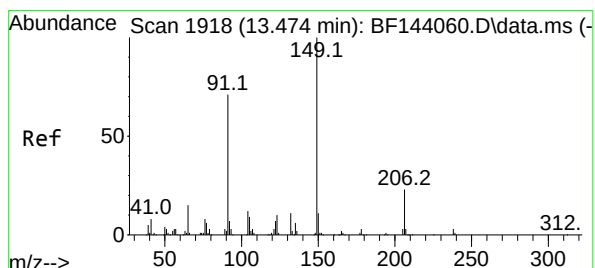
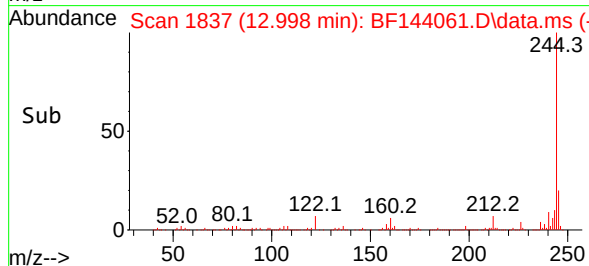
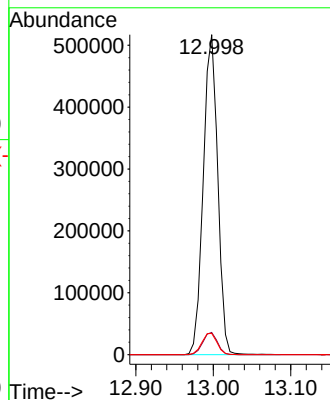
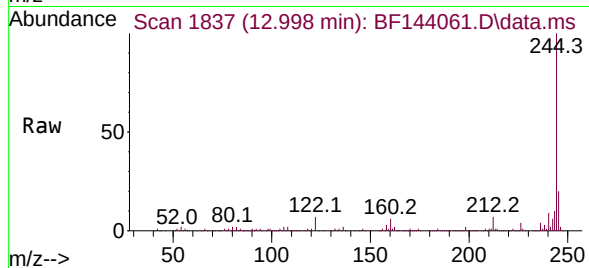
Tgt Ion:244 Resp: 669013

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 6.6 4.9 7.3



#80

Butylbenzylphthalate

Concen: 45.417 ng

RT: 13.474 min Scan# 1918

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

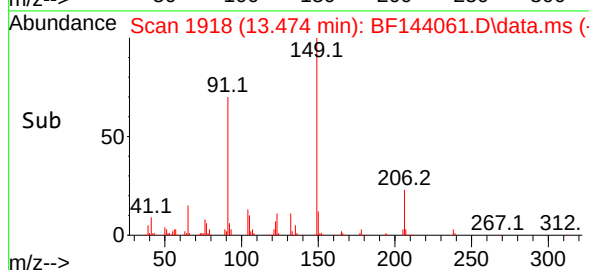
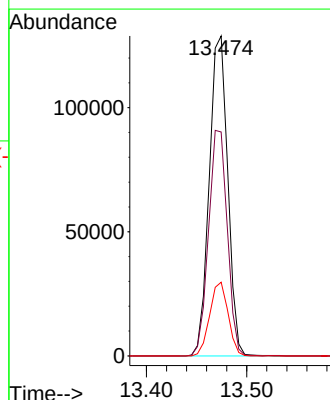
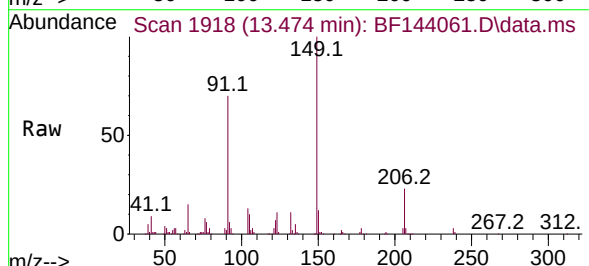
Tgt Ion:149 Resp: 164976

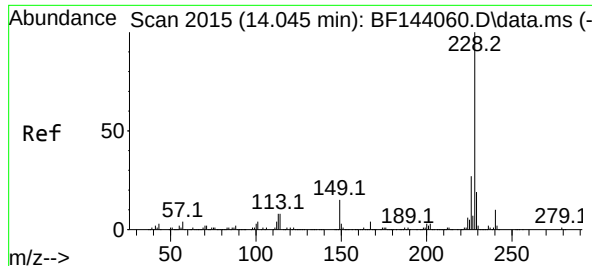
Ion Ratio Lower Upper

149 100

91 70.0 56.6 84.8

206 23.0 18.3 27.5

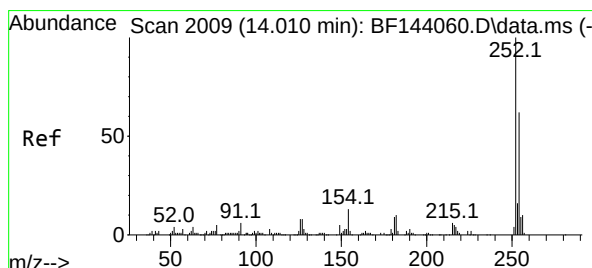
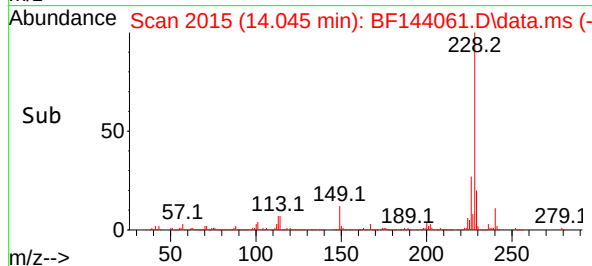
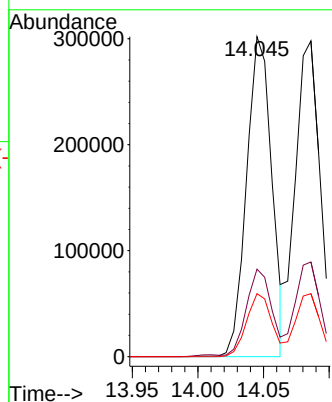
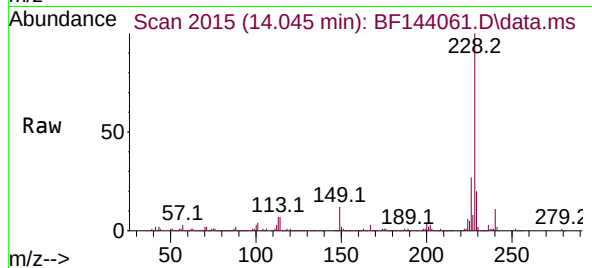




#81
Benzo(a)anthracene
Concen: 44.609 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

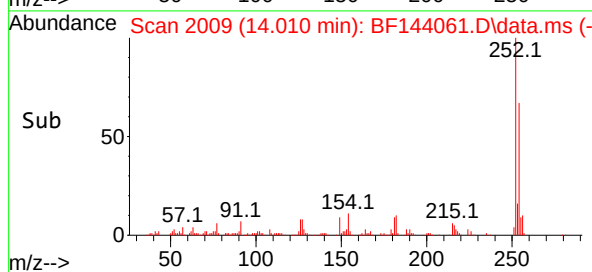
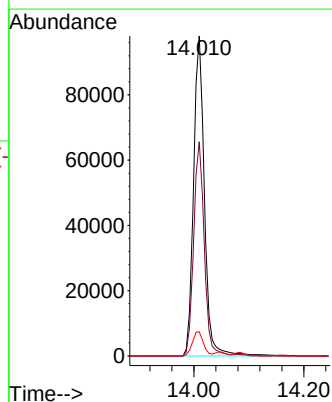
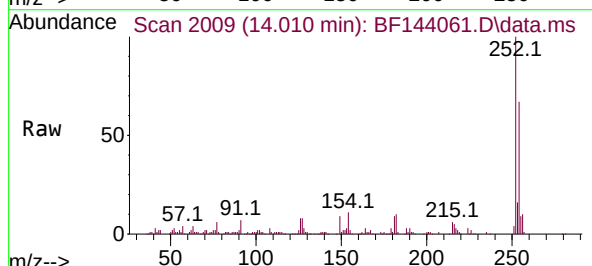
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

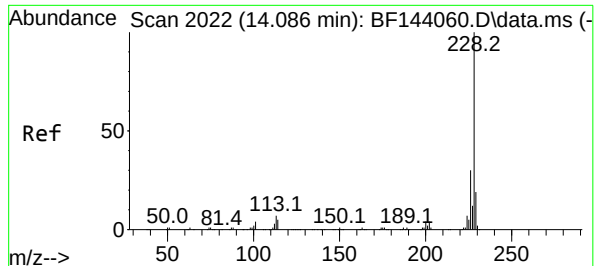
Tgt Ion:228 Resp: 402629
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.2
229 19.7 15.3 22.9



#82
3,3'-Dichlorobenzidine
Concen: 42.940 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:252 Resp: 134912
Ion Ratio Lower Upper
252 100
254 66.9 49.9 74.9
126 7.5 6.5 9.7





#83

Chrysene

Concen: 46.461 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

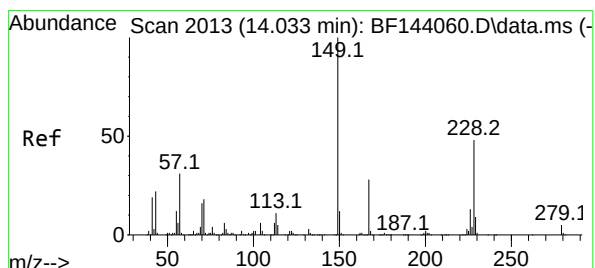
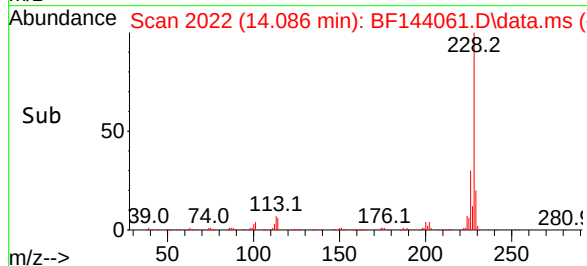
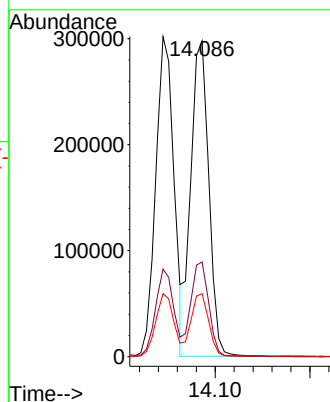
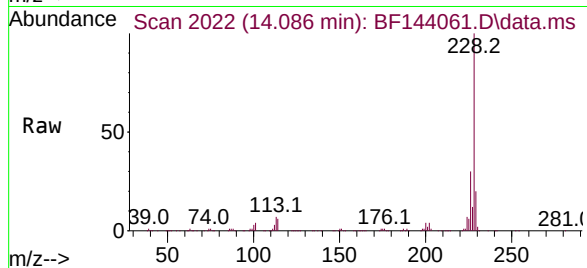
Tgt Ion:228 Resp: 393508

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.450 ng

RT: 14.027 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

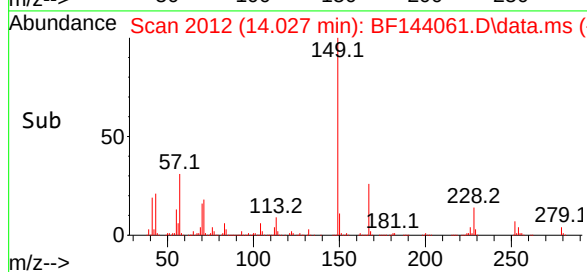
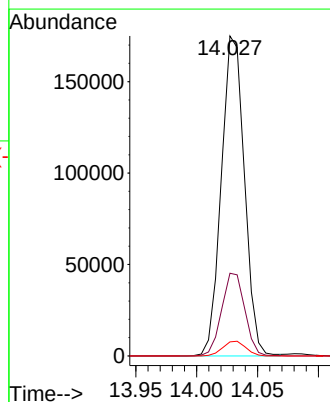
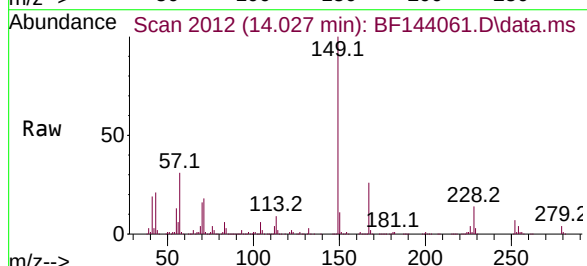
Tgt Ion:149 Resp: 230343

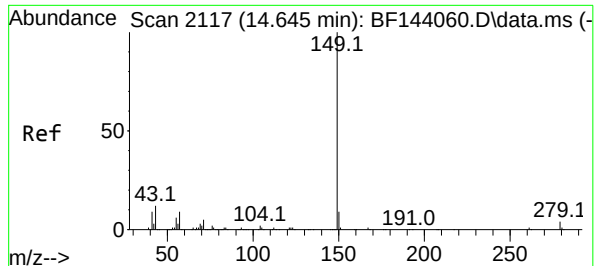
Ion Ratio Lower Upper

149 100

167 25.8 22.5 33.7

279 4.4 3.6 5.4

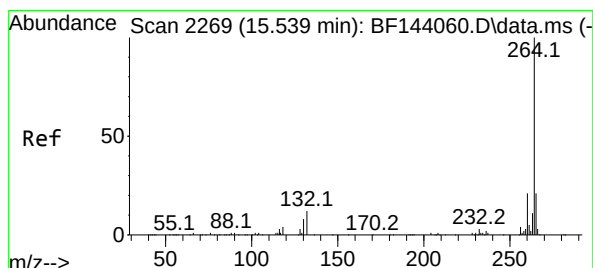
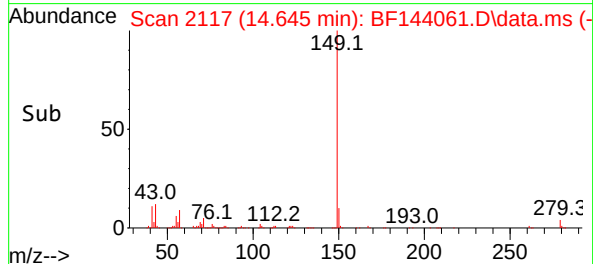
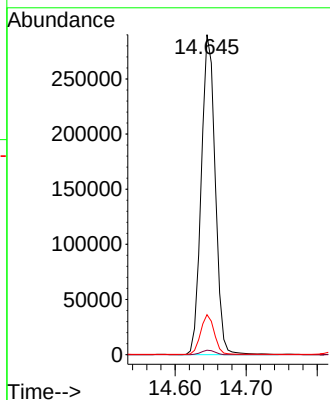
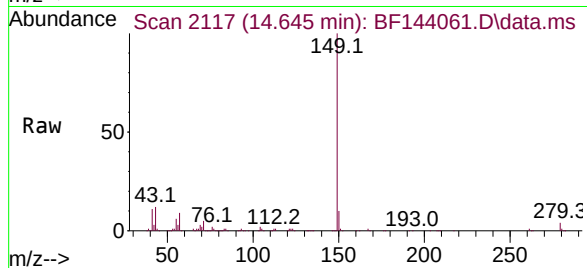




#85
Di-n-octyl phthalate
Concen: 46.156 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

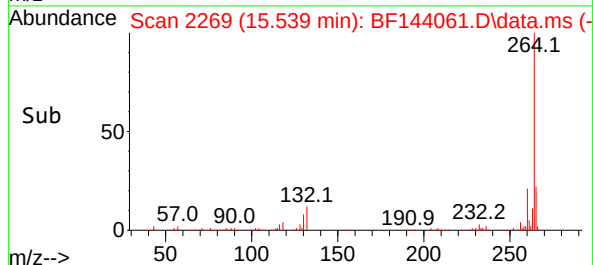
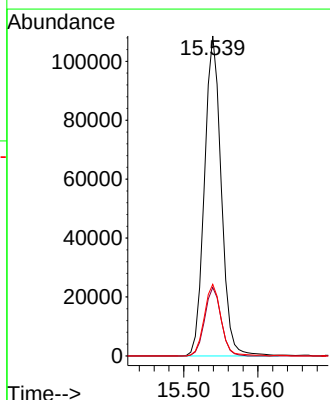
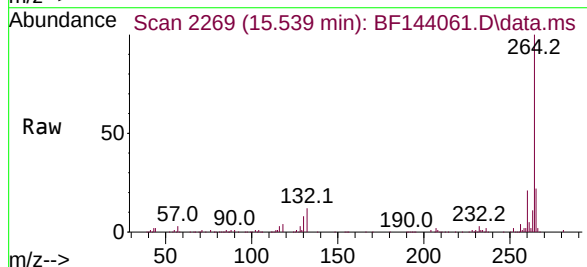
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

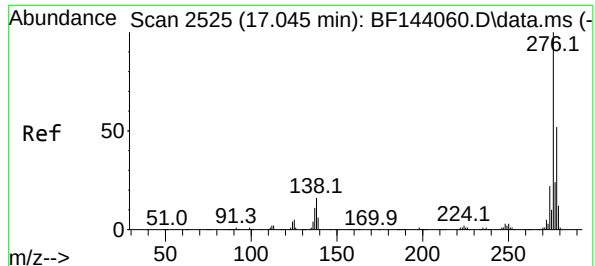
Tgt Ion:149 Resp: 393623
Ion Ratio Lower Upper
149 100
167 1.3 1.2 1.8
43 12.3 9.3 13.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144061.D
Acq: 24 Oct 2025 13:34

Tgt Ion:264 Resp: 170761
Ion Ratio Lower Upper
264 100
260 21.4 17.0 25.4
265 22.4 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.151 ng

RT: 17.045 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

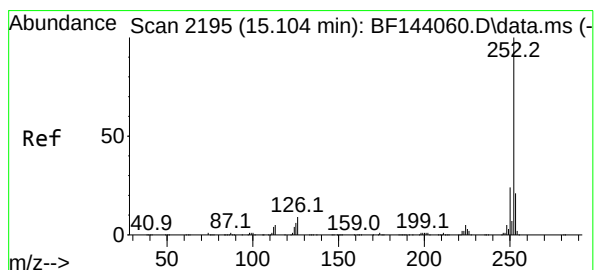
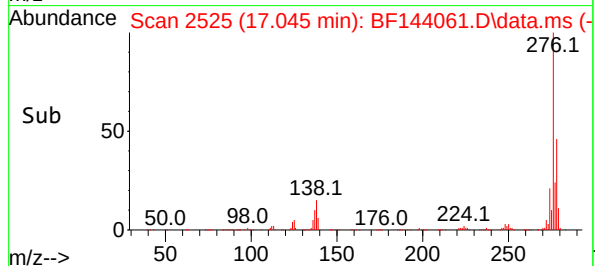
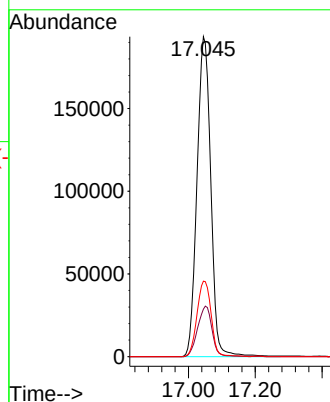
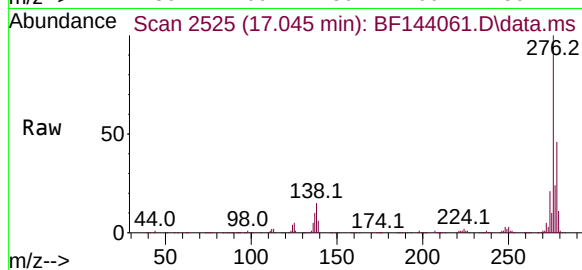
Tgt Ion:276 Resp: 552781

Ion Ratio Lower Upper

276 100

138 16.4 13.0 19.6

277 24.2 19.4 29.0



#88

Benzo(b)fluoranthene

Concen: 46.646 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

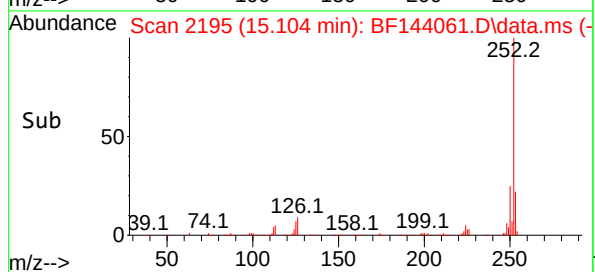
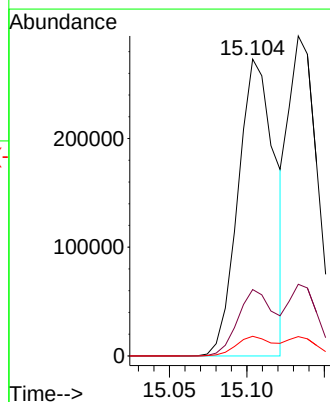
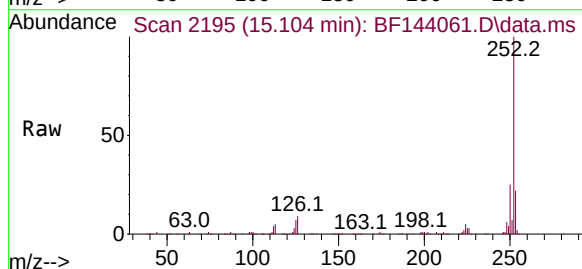
Tgt Ion:252 Resp: 450302

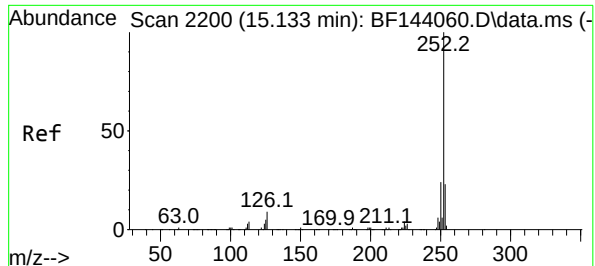
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 6.6 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 43.445 ng

RT: 15.133 min Scan# 2200

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

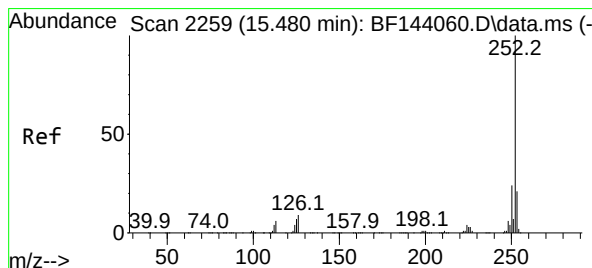
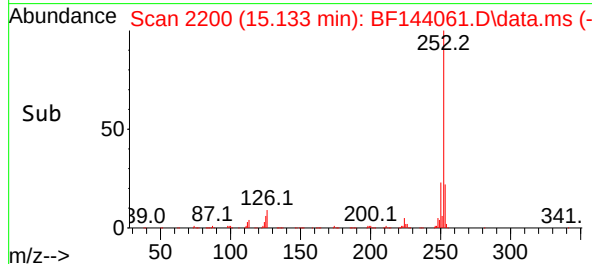
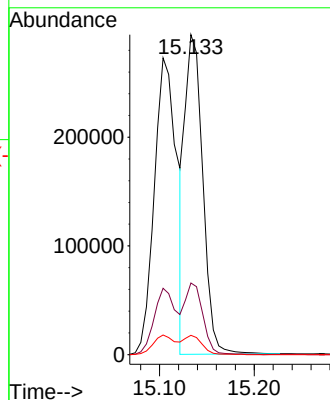
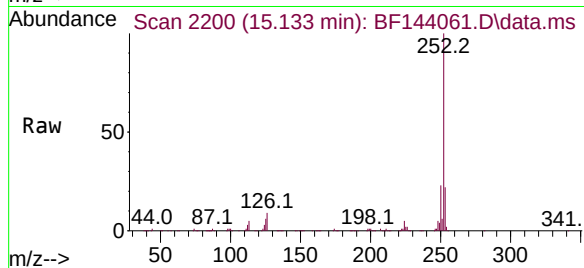
Tgt Ion:252 Resp: 386955

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 6.0 4.9 7.3



#90

Benzo(a)pyrene

Concen: 46.436 ng

RT: 15.480 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

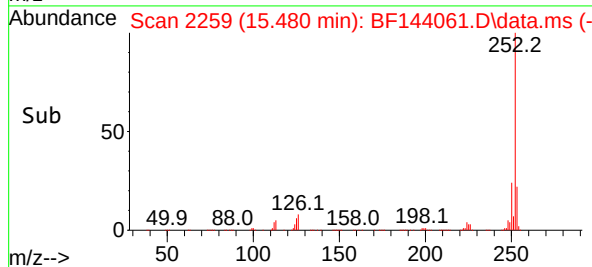
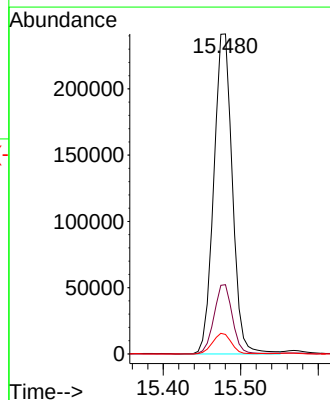
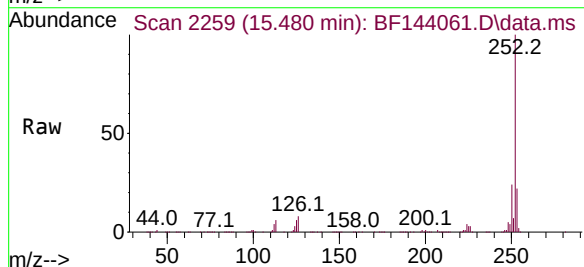
Tgt Ion:252 Resp: 402167

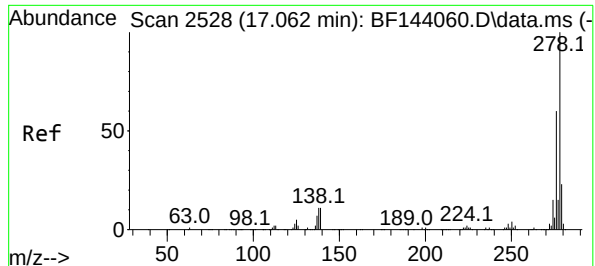
Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 6.1 5.4 8.2





#91

Dibenzo(a,h)anthracene

Concen: 47.119 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

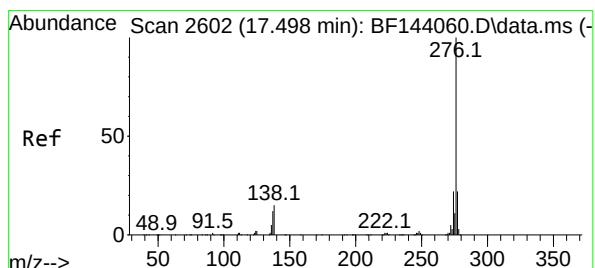
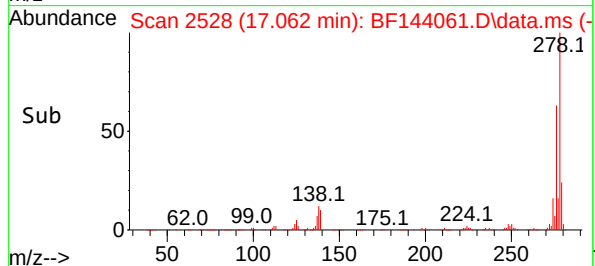
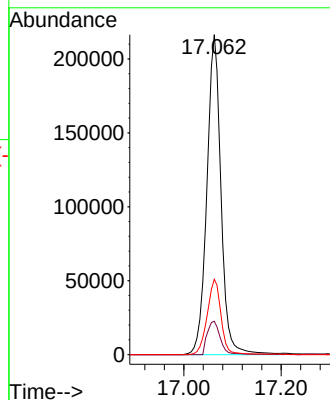
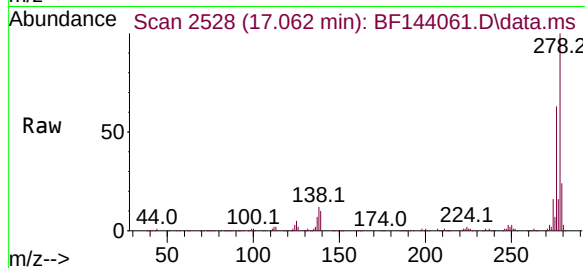
Tgt Ion:278 Resp: 437275

Ion Ratio Lower Upper

278 100

139 10.4 8.5 12.7

279 23.5 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 46.804 ng

RT: 17.504 min Scan# 2603

Delta R.T. 0.006 min

Lab File: BF144061.D

Acq: 24 Oct 2025 13:34

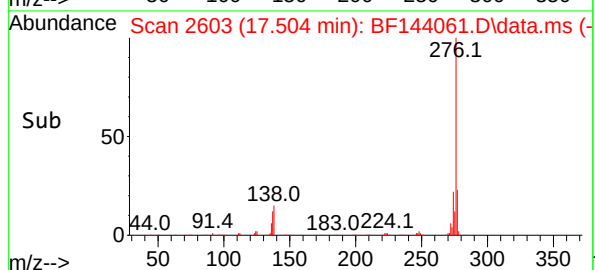
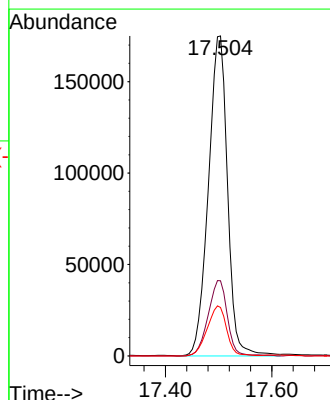
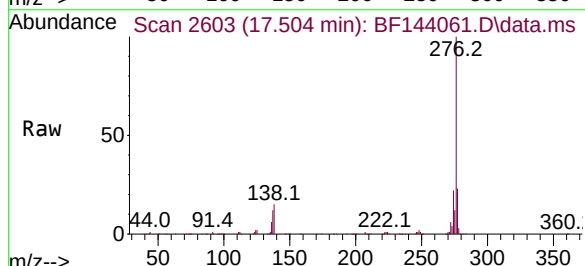
Tgt Ion:276 Resp: 436689

Ion Ratio Lower Upper

276 100

277 23.5 17.9 26.9

138 15.1 12.0 18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144063.D
Acq On : 24 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Oct 24 17:05:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	58739	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	209353	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	112793	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	191608	20.000	ng	0.00
76) Chrysene-d12	14.062	240	151514	20.000	ng	0.00
86) Perylene-d12	15.539	264	200004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	510582	137.523	ng	0.00
7) Phenol-d6	6.516	99	560479	136.693	ng	0.01
23) Nitrobenzene-d5	7.451	82	552167	144.501	ng	0.01
42) 2,4,6-Tribromophenol	10.716	330	212808	148.116	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1050410	131.050	ng	0.00
79) Terphenyl-d14	13.004	244	1234056	142.390	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	113019	70.445	ng	97
3) Pyridine	3.398	79	321948	74.957	ng	97
4) n-Nitrosodimethylamine	3.369	42	201953	76.521	ng	97
6) Aniline	6.545	93	393504	67.082	ng	92
8) 2-Chlorophenol	6.669	128	250635	68.549	ng	97
9) Benzaldehyde	6.434	77	244035	76.656	ng	96
10) Phenol	6.528	94	339521	67.118	ng	87
11) bis(2-Chloroethyl)ether	6.622	93	254160	69.532	ng	99
12) 1,3-Dichlorobenzene	6.822	146	305526	67.741	ng	98
13) 1,4-Dichlorobenzene	6.898	146	304178	68.434	ng	99
14) 1,2-Dichlorobenzene	7.051	146	287786	66.915	ng	99
15) Benzyl Alcohol	7.028	79	240927	72.263	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	478809	69.697	ng	93
17) 2-Methylphenol	7.134	107	193458	68.795	ng	97
18) Hexachloroethane	7.392	117	112050	70.510	ng	93
19) n-Nitroso-di-n-propyla...	7.298	70	190167	71.721	ng	99
20) 3+4-Methylphenols	7.292	107	227718	68.500	ng	# 86
22) Acetophenone	7.298	105	310700	68.672	ng	99
24) Nitrobenzene	7.469	77	294221	72.786	ng	98
25) Isophorone	7.710	82	487685	73.000	ng	100
26) 2-Nitrophenol	7.781	139	138311	71.925	ng	97
27) 2,4-Dimethylphenol	7.816	122	207224	72.515	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	293996	70.566	ng	98
29) 2,4-Dichlorophenol	8.022	162	230075	69.232	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	239831	70.150	ng	97
31) Naphthalene	8.186	128	660164	66.812	ng	98
32) Benzoic acid	7.945	122	135524	74.766	ng	88
33) 4-Chloroaniline	8.233	127	239182	69.535	ng	97
34) Hexachlorobutadiene	8.304	225	196083	70.141	ng	98
35) Caprolactam	8.622	113	62887	75.462	ng	92
36) 4-Chloro-3-methylphenol	8.716	107	209253	71.352	ng	96
37) 2-Methylnaphthalene	8.880	142	438984	67.385	ng	97
38) 1-Methylnaphthalene	8.975	142	418223	67.761	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	263109	67.873	ng	99
41) Hexachlorocyclopentadiene	9.028	237	99937	83.468	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	173959	69.040	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144063.D
 Acq On : 24 Oct 2025 14:32
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Oct 24 17:05:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:52:41 2025
 Response via : Initial Calibration

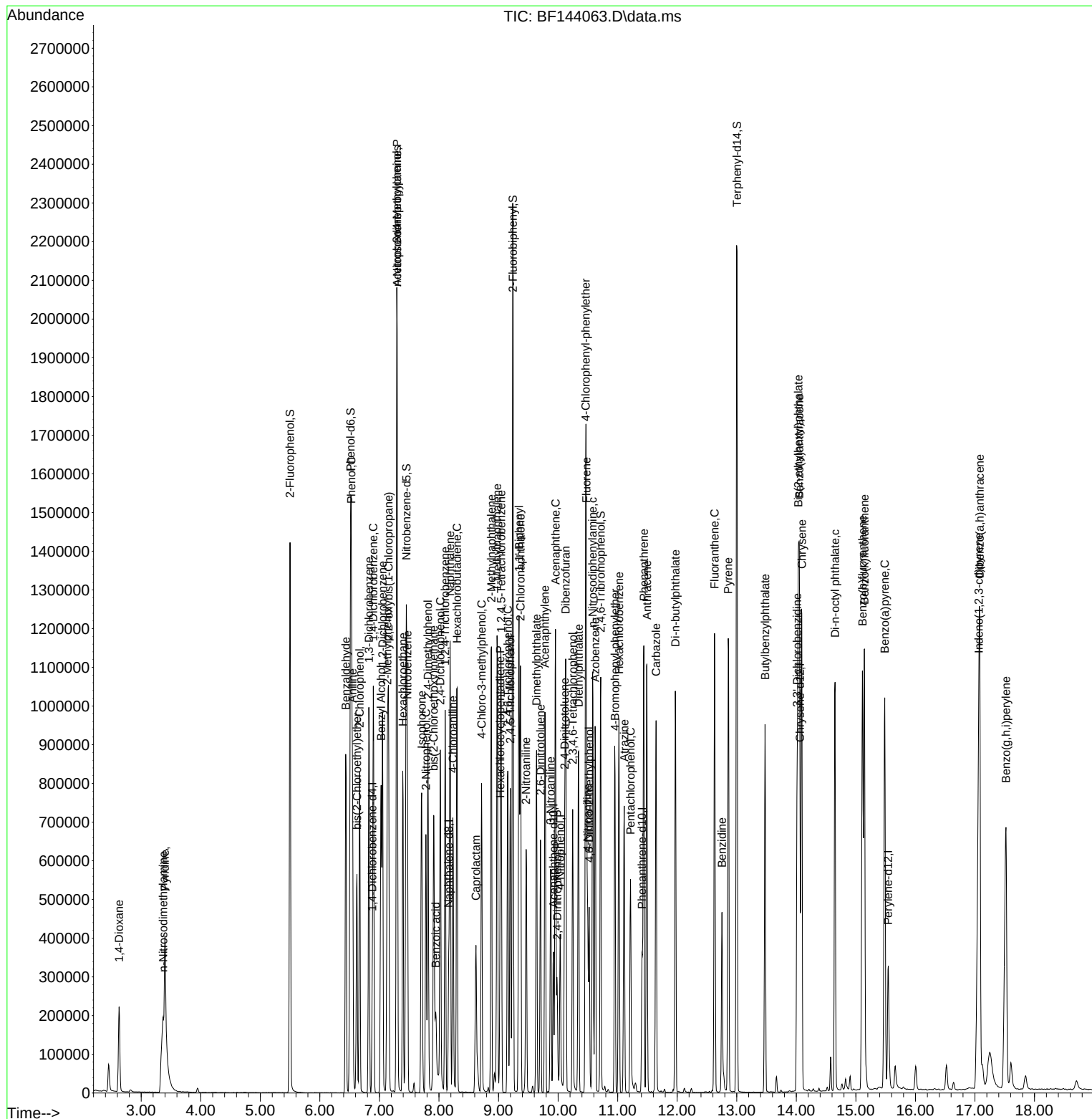
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	189248	71.565	ng	96
46) 1,1'-Biphenyl	9.345	154	530392	65.690	ng	99
47) 2-Chloronaphthalene	9.369	162	446307	65.979	ng	99
48) 2-Nitroaniline	9.463	65	148164	73.762	ng	99
49) Acenaphthylene	9.780	152	603127	66.126	ng	100
50) Dimethylphthalate	9.639	163	517194	69.954	ng	99
51) 2,6-Dinitrotoluene	9.704	165	108081	73.947	ng	97
52) Acenaphthene	9.957	154	412422	67.707	ng	98
53) 3-Nitroaniline	9.875	138	112811	69.421	ng	88
54) 2,4-Dinitrophenol	9.986	184	62962	79.646	ng	94
55) Dibenzofuran	10.127	168	560264	66.253	ng	99
56) 4-Nitrophenol	10.033	139	83091	75.509	ng	99
57) 2,4-Dinitrotoluene	10.110	165	145667	73.844	ng	97
58) Fluorene	10.474	166	426390	66.175	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	133917	71.865	ng	# 97
60) Diethylphthalate	10.345	149	488605	70.274	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	238684	65.871	ng	98
62) 4-Nitroaniline	10.492	138	113935	73.997	ng	98
63) Azobenzene	10.622	77	460222	69.934	ng	96
65) 4,6-Dinitro-2-methylph...	10.522	198	88545	72.027	ng	92
66) n-Nitrosodiphenylamine	10.580	169	415732	67.908	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	164677	68.643	ng	100
68) Hexachlorobenzene	11.022	284	205267	69.766	ng	97
69) Atrazine	11.110	200	129646	64.536	ng	98
70) Pentachlorophenol	11.216	266	110717	79.055	ng	97
71) Phenanthrene	11.439	178	654557	68.769	ng	99
72) Anthracene	11.492	178	656473	66.765	ng	99
73) Carbazole	11.645	167	565232	67.538	ng	97
74) Di-n-butylphthalate	11.969	149	723962	70.556	ng	99
75) Fluoranthene	12.627	202	731393	69.552	ng	99
77) Benzidine	12.751	184	282392	59.887	ng	99
78) Pyrene	12.857	202	749362	68.794	ng	99
80) Butylbenzylphthalate	13.474	149	303486	73.645	ng	97
81) Benzo(a)anthracene	14.051	228	743007	72.564	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	258546	72.536	ng	100
83) Chrysene	14.092	228	708889	73.777	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	406325	72.226	ng	99
85) Di-n-octyl phthalate	14.651	149	714909	73.894	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	1010103	73.561	ng	98
88) Benzo(b)fluoranthene	15.109	252	840121	74.302	ng	99
89) Benzo(k)fluoranthene	15.145	252	708890	67.953	ng	99
90) Benzo(a)pyrene	15.486	252	727345	71.704	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	797474	73.369	ng	99
92) Benzo(g,h,i)perylene	17.521	276	811620	74.269	ng	98

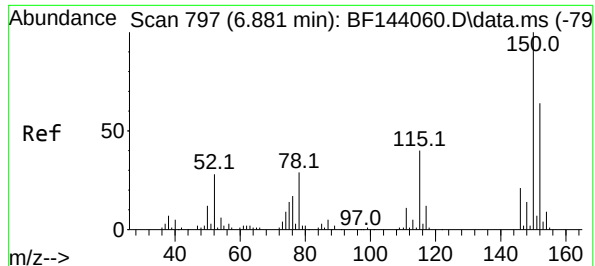
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF144063.D
Acq On : 24 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Oct 24 17:05:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

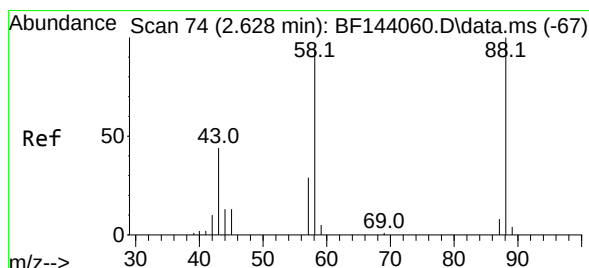
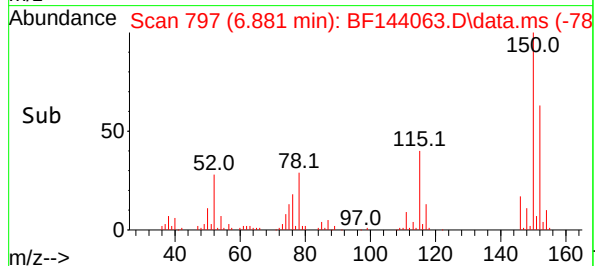
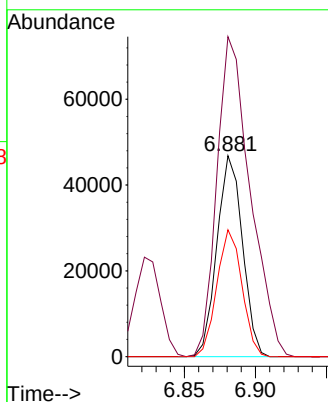
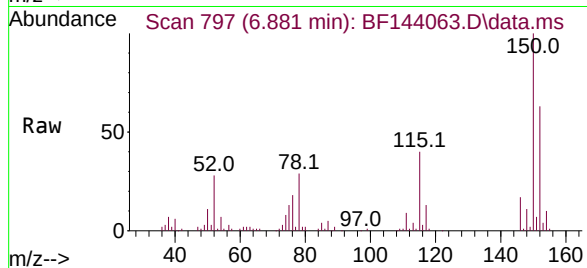




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

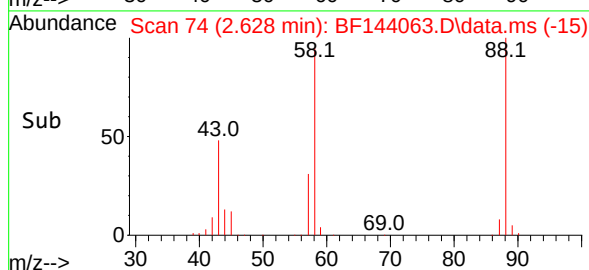
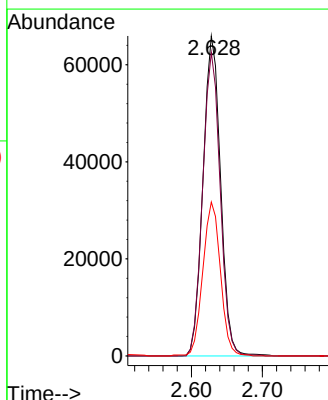
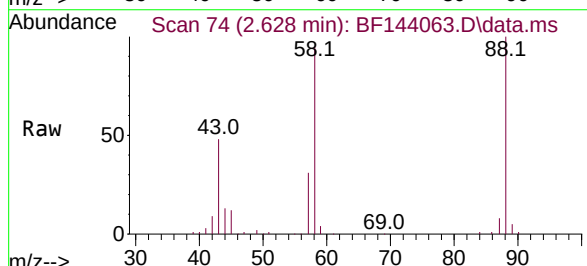
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

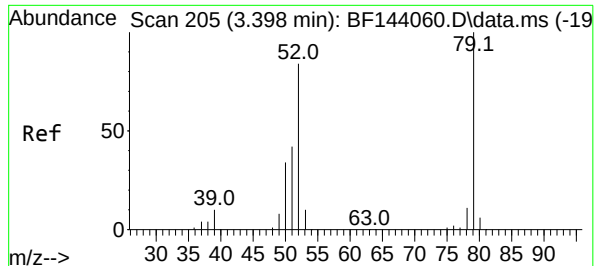
Tgt Ion:152 Resp: 58739
Ion Ratio Lower Upper
152 100
150 159.3 124.4 186.6
115 63.2 49.4 74.0



#2
1,4-Dioxane
Concen: 70.445 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 88 Resp: 113019
Ion Ratio Lower Upper
88 100
58 94.6 76.5 114.7
43 48.3 35.3 52.9





#3

Pyridine

Concen: 74.957 ng

RT: 3.398 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

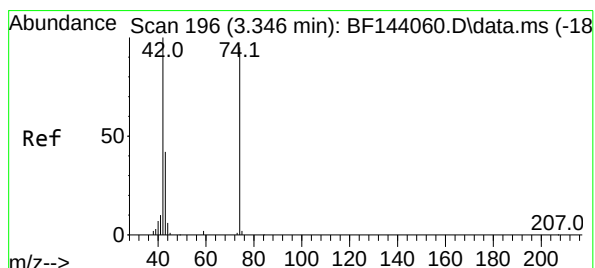
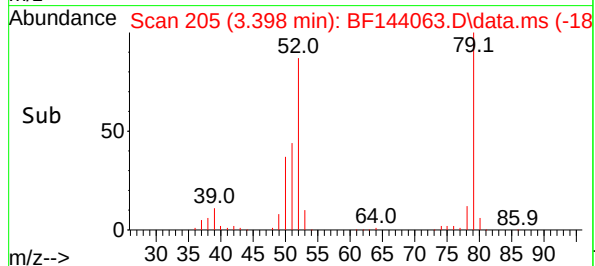
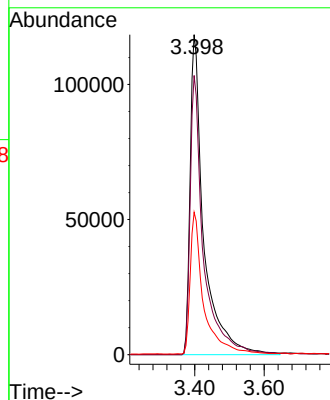
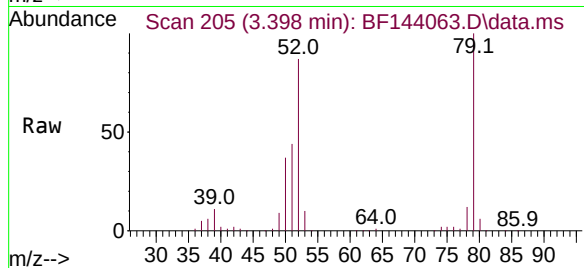
Tgt Ion: 79 Resp: 321948

Ion Ratio Lower Upper

79 100

52 87.3 67.5 101.3

51 44.5 33.6 50.4



#4

n-Nitrosodimethylamine

Concen: 76.521 ng

RT: 3.369 min Scan# 200

Delta R.T. 0.024 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

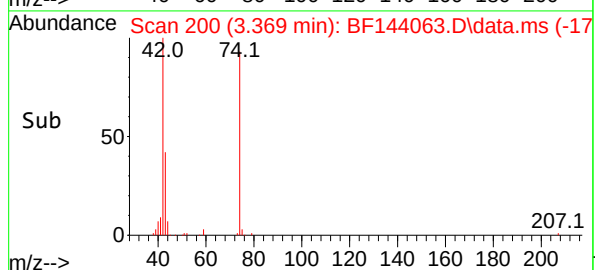
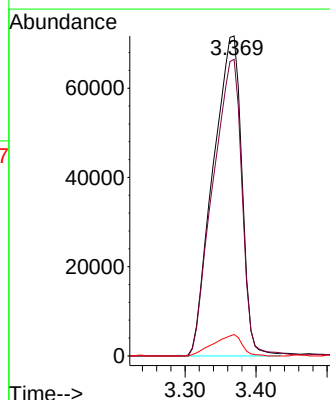
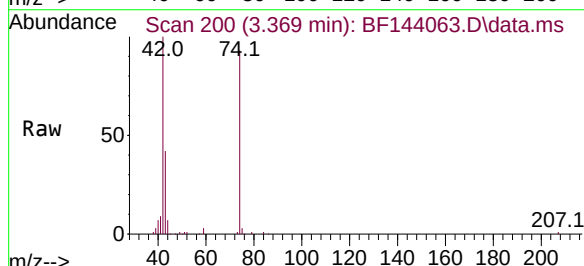
Tgt Ion: 42 Resp: 201953

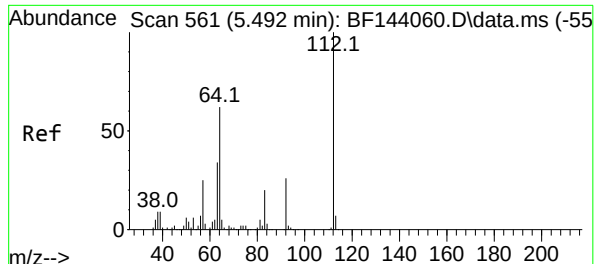
Ion Ratio Lower Upper

42 100

74 92.7 76.4 114.6

44 6.7 5.2 7.8

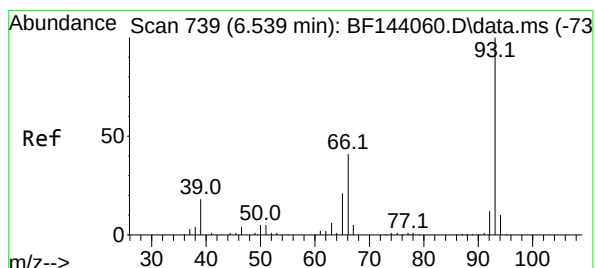
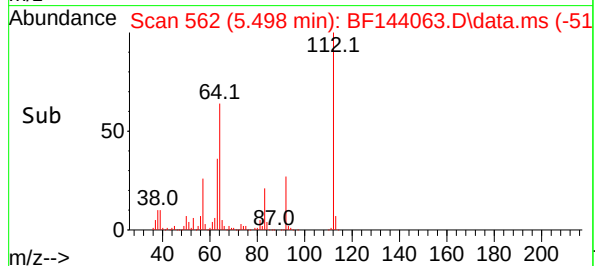
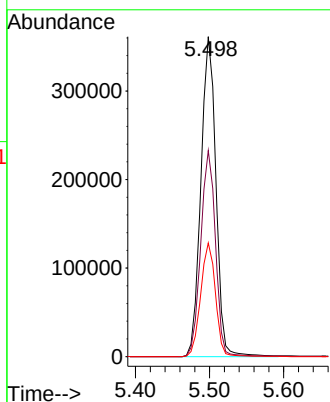
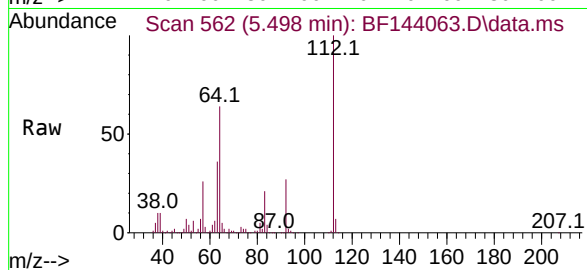




#5
2-Fluorophenol
Concen: 137.523 ng
RT: 5.498 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

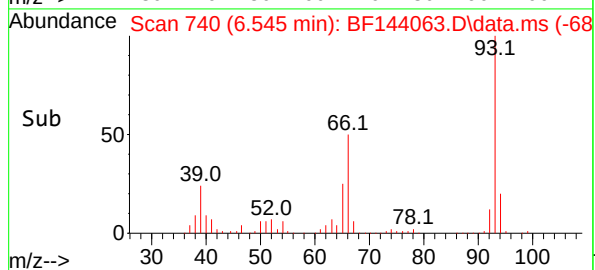
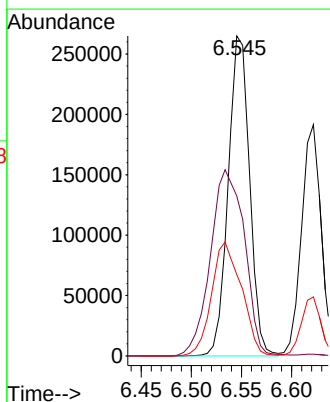
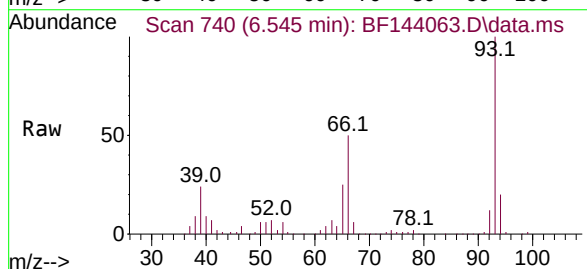
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

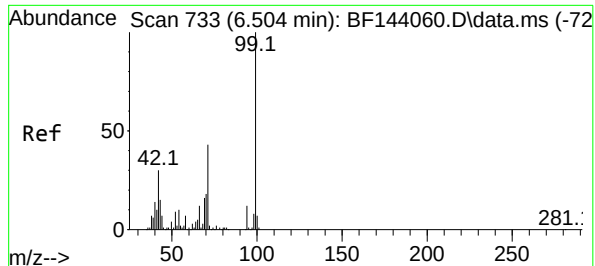
Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	49.8	74.8
63	35.5	27.4	41.2



#6
Aniline
Concen: 67.082 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion	Ratio	Lower	Upper
93	100		
66	50.0	35.7	53.5
65	25.4	17.0	25.6





#7

Phenol-d6

Concen: 136.693 ng

RT: 6.516 min Scan# 735

Delta R.T. 0.012 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

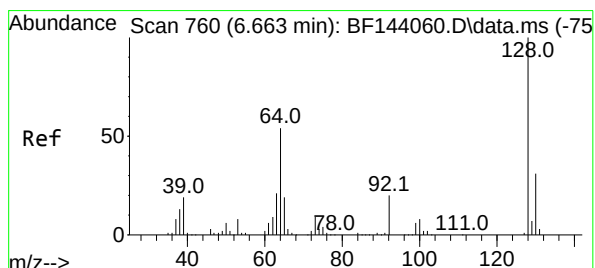
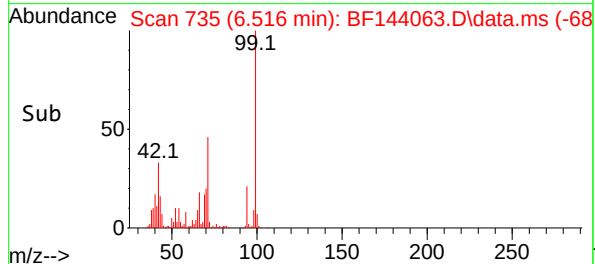
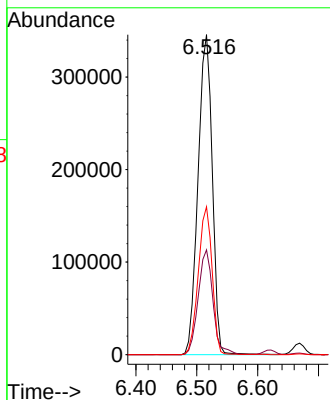
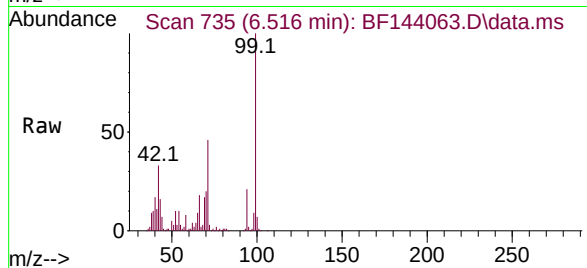
Tgt Ion: 99 Resp: 560479

Ion Ratio Lower Upper

99 100

42 32.7 23.9 35.9

71 46.2 34.4 51.6



#8

2-Chlorophenol

Concen: 68.549 ng

RT: 6.669 min Scan# 761

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

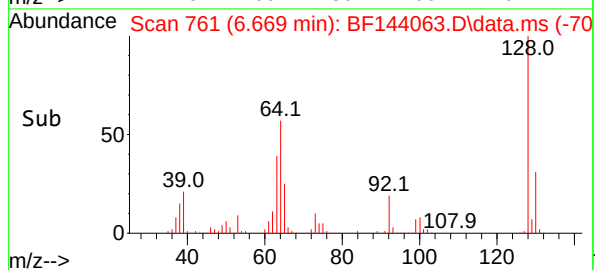
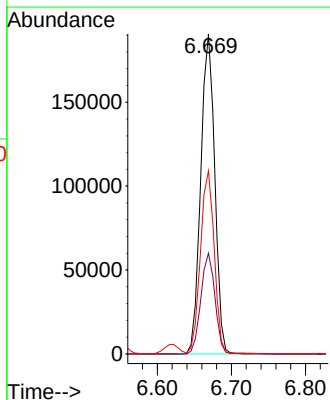
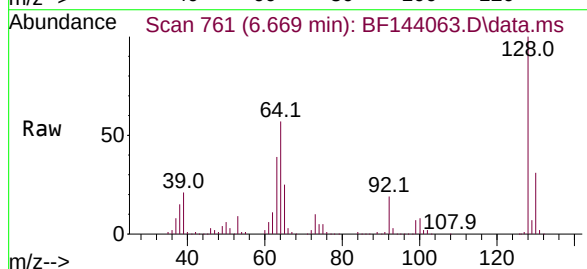
Tgt Ion: 128 Resp: 250635

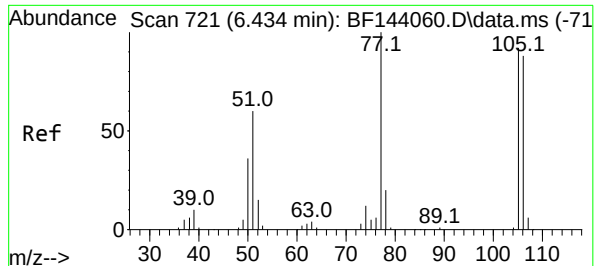
Ion Ratio Lower Upper

128 100

130 31.5 10.7 50.7

64 57.2 34.7 74.7



#9
Benzaldehyde

Concen: 76.656 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

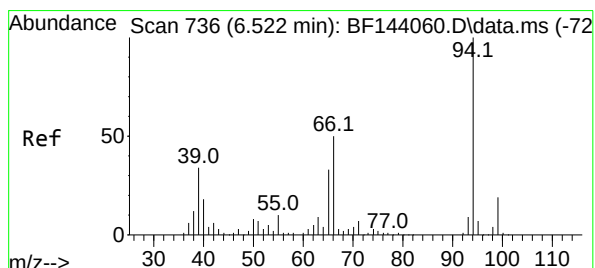
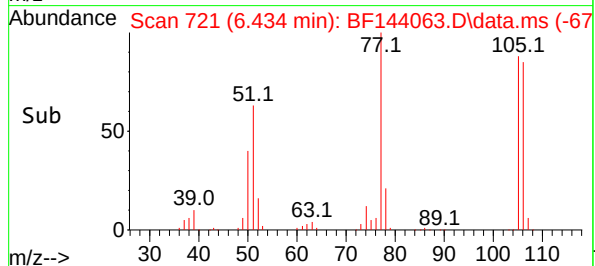
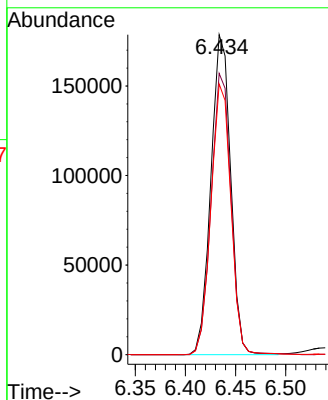
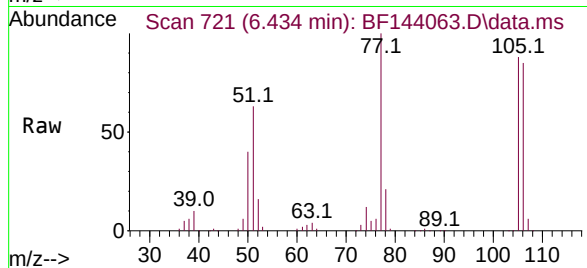
Tgt Ion: 77 Resp: 244035

Ion Ratio Lower Upper

77 100

105 87.9 72.2 112.2

106 84.6 67.9 107.9



#10

Phenol

Concen: 67.118 ng

RT: 6.528 min Scan# 737

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

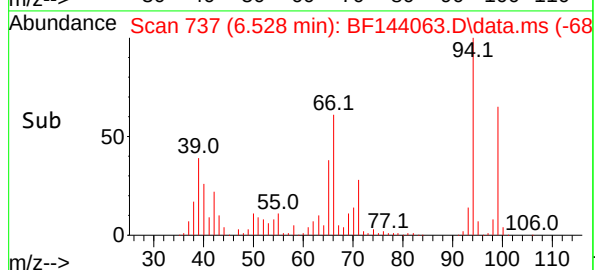
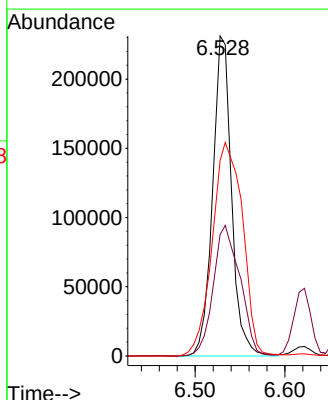
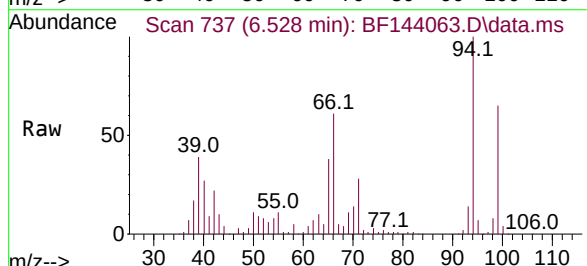
Tgt Ion: 94 Resp: 339521

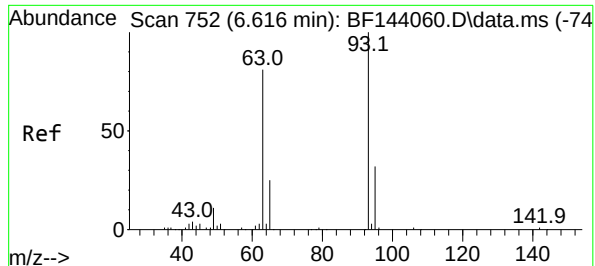
Ion Ratio Lower Upper

94 100

65 37.9 13.1 53.1

66 61.1 30.6 70.6

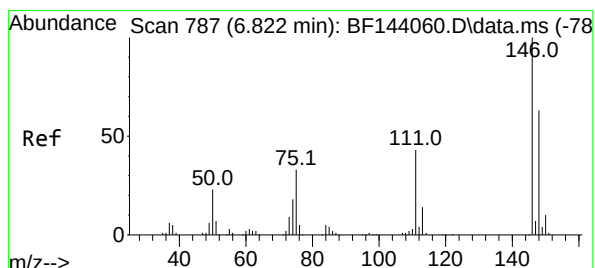
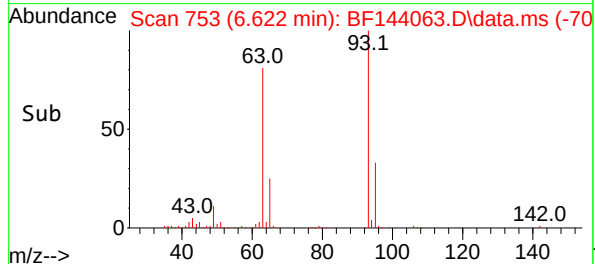
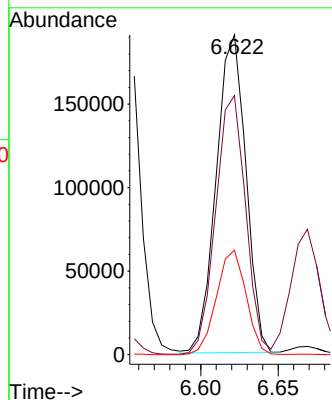
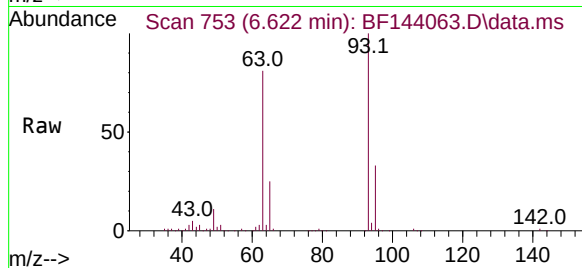




#11
bis(2-Chloroethyl)ether
Concen: 69.532 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

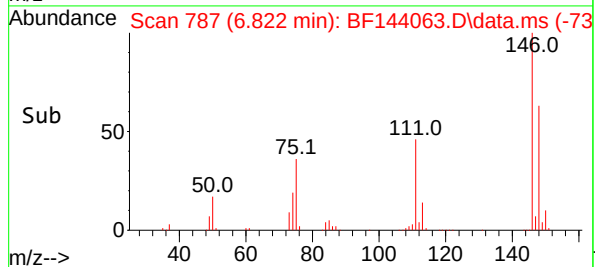
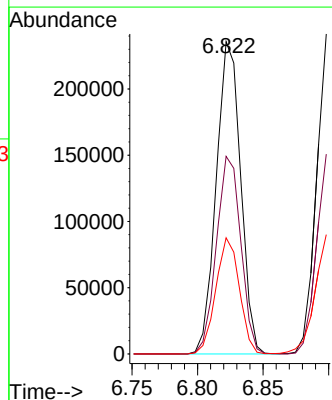
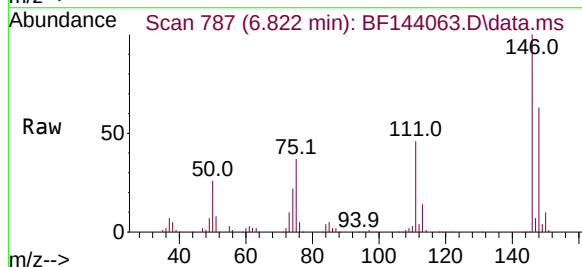
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

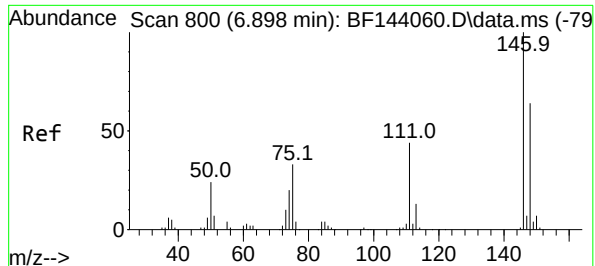
Tgt Ion: 93 Resp: 254160
Ion Ratio Lower Upper
93 100
63 80.9 60.2 100.2
95 32.6 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 67.741 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 146 Resp: 305526
Ion Ratio Lower Upper
146 100
148 63.3 50.6 75.8
75 37.2 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 68.434 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

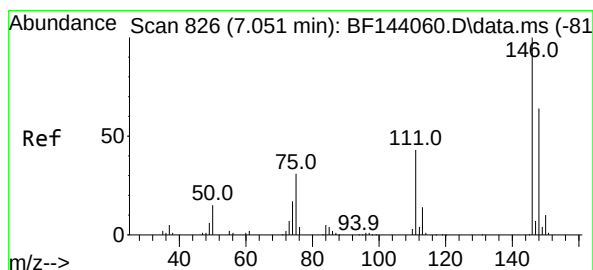
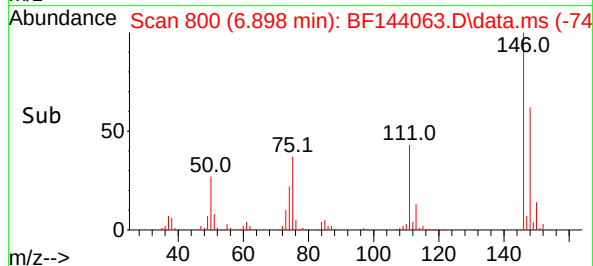
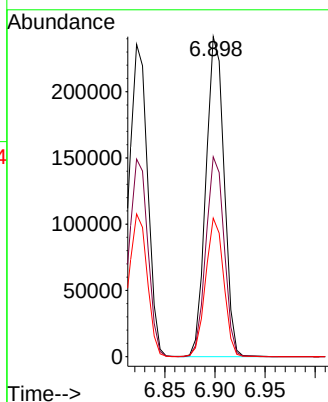
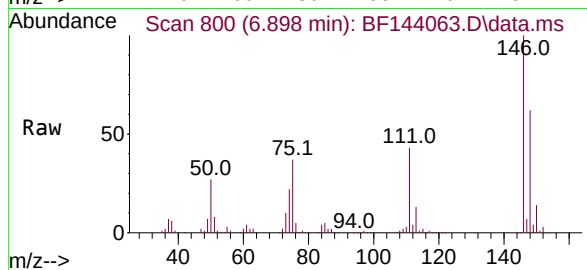
Tgt Ion:146 Resp: 304178

Ion Ratio Lower Upper

146 100

148 62.4 51.0 76.6

111 43.3 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 66.915 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

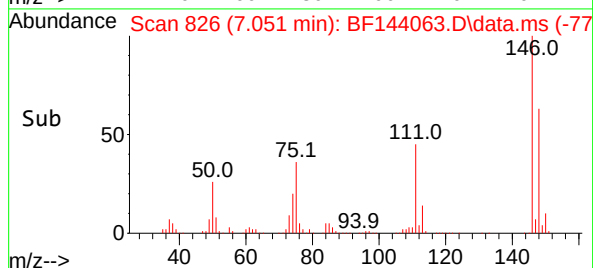
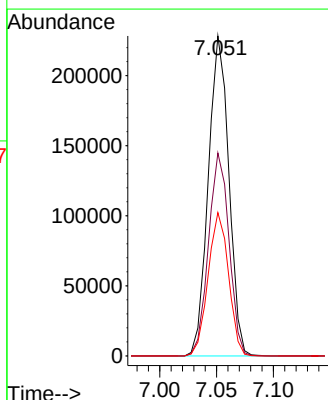
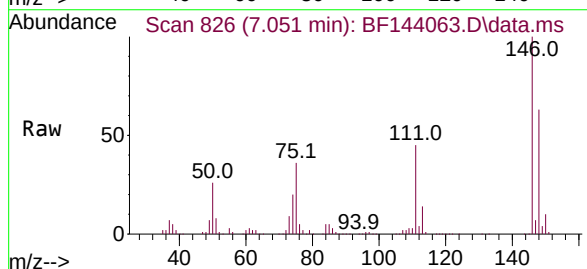
Tgt Ion:146 Resp: 287786

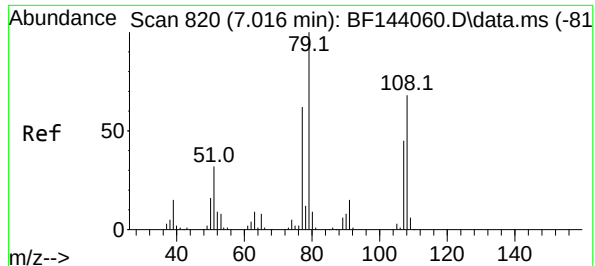
Ion Ratio Lower Upper

146 100

148 63.4 50.8 76.2

111 44.8 34.7 52.1

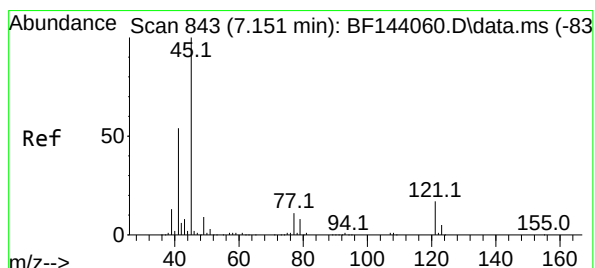
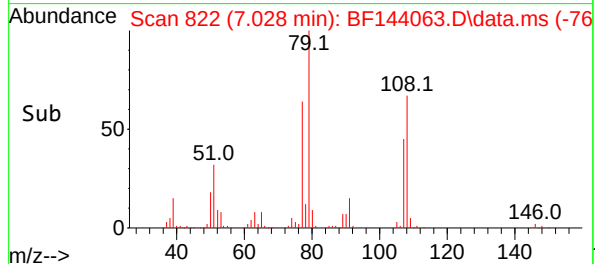
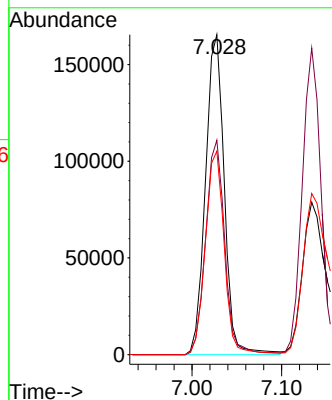
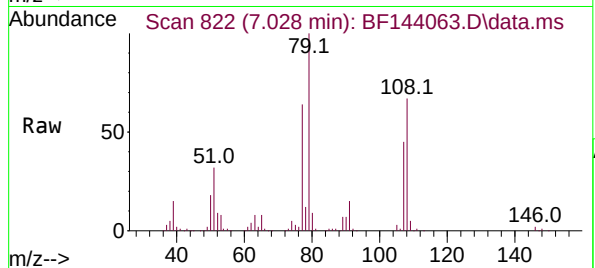




#15
Benzyl Alcohol
Concen: 72.263 ng
RT: 7.028 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

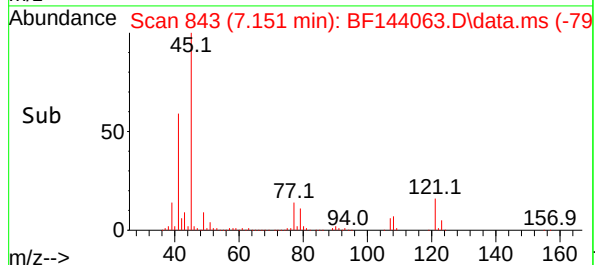
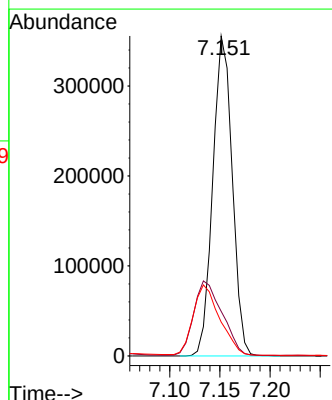
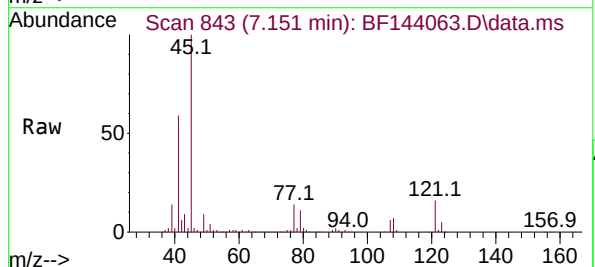
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

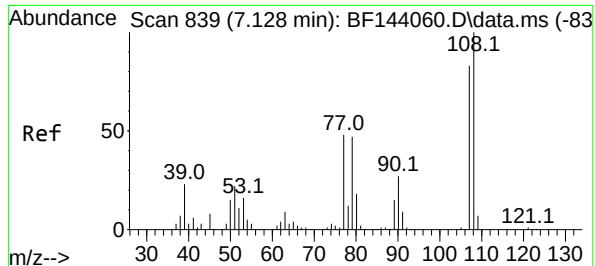
Tgt Ion: 79 Resp: 240927
Ion Ratio Lower Upper
79 100
108 67.0 54.8 82.2
77 63.6 49.4 74.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 69.697 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 45 Resp: 478809
Ion Ratio Lower Upper
45 100
77 13.9 0.0 30.9
79 10.6 0.0 28.2

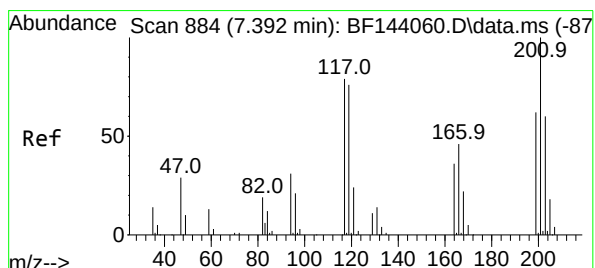
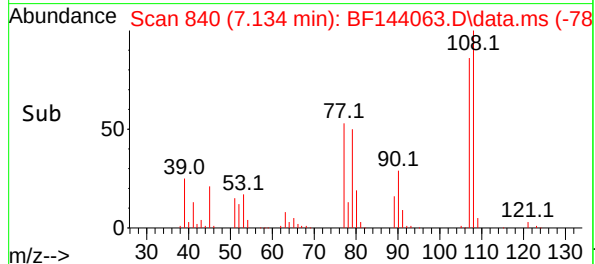
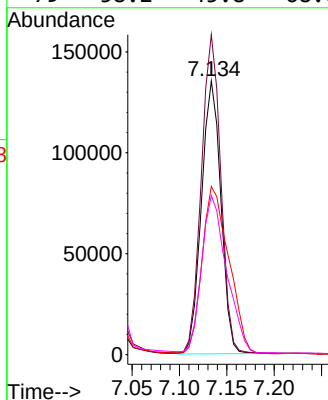
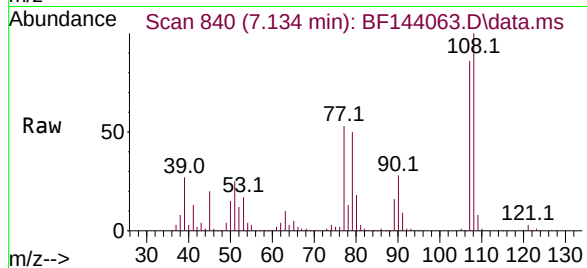




#17
2-Methylphenol
Concen: 68.795 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

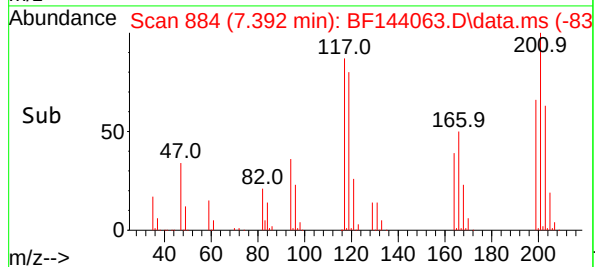
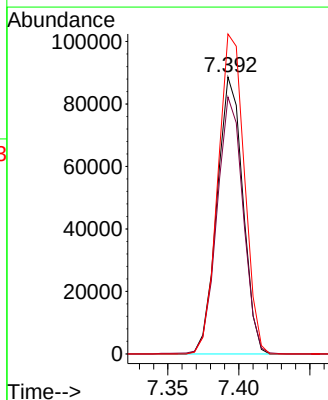
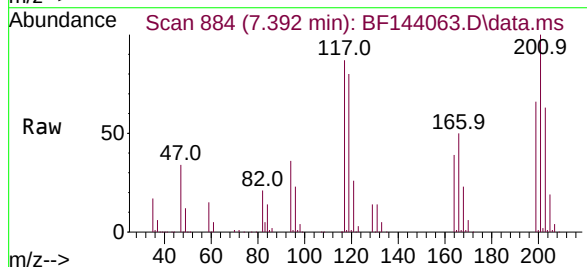
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

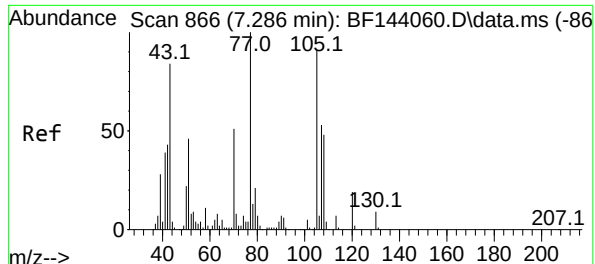
Tgt Ion:	107	Resp:	193458
Ion	Ratio	Lower	Upper
107	100		
108	116.9	96.4	144.6
77	61.4	46.8	70.2
79	58.2	45.8	68.6



#18
Hexachloroethane
Concen: 70.510 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:	117	Resp:	112050
Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.6	115.0
201	115.5	100.9	151.3





#19

n-Nitroso-di-n-propylamine

Concen: 71.721 ng

RT: 7.298 min Scan# 868

Delta R.T. 0.012 min

Lab File: BF144063.D

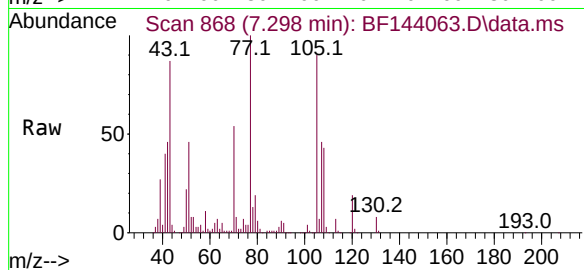
Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDIC080



Tgt Ion: 70 Resp: 190167

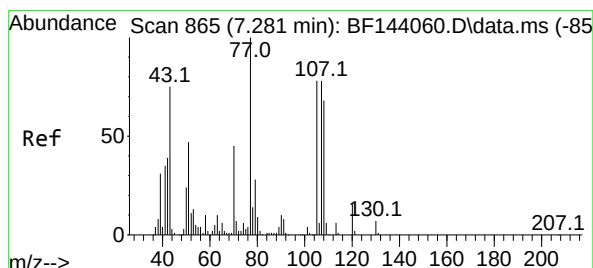
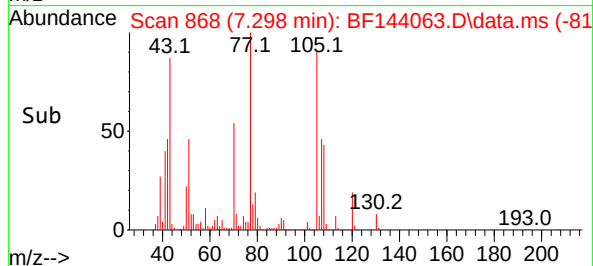
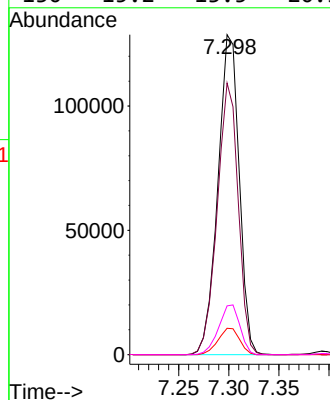
Ion Ratio Lower Upper

70 100

42 84.9 67.4 101.0

101 8.2 7.1 10.7

130 15.2 13.5 20.3



#20

3+4-Methylphenols

Concen: 68.500 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.012 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Tgt Ion: 107 Resp: 227718

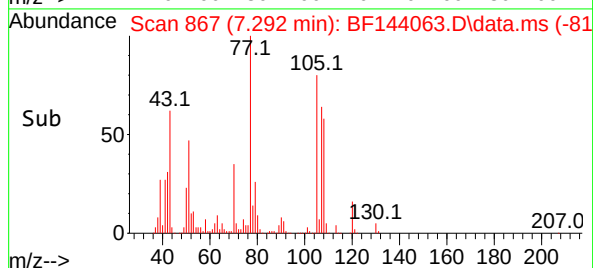
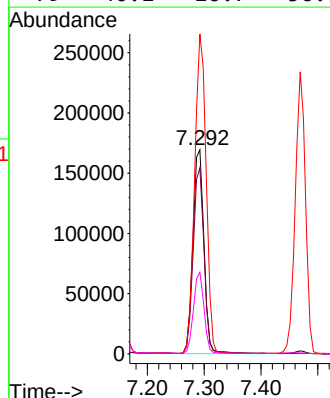
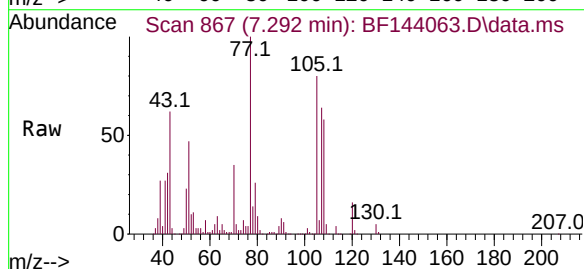
Ion Ratio Lower Upper

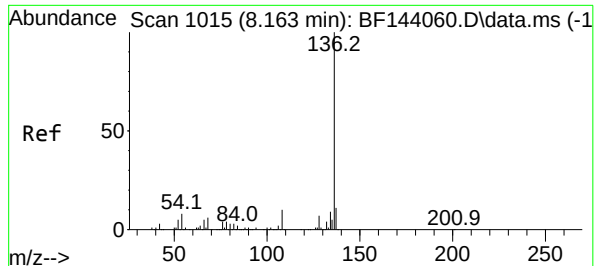
107 100

108 91.1 68.0 108.0

77 156.8 108.7 148.7#

79 40.1 16.7 56.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF144063.D

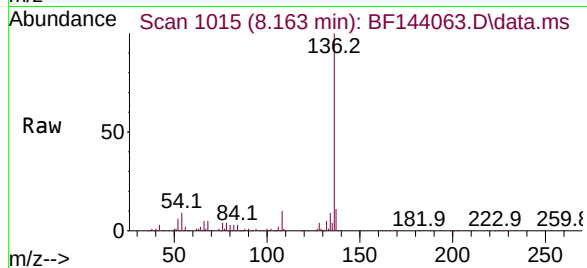
Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

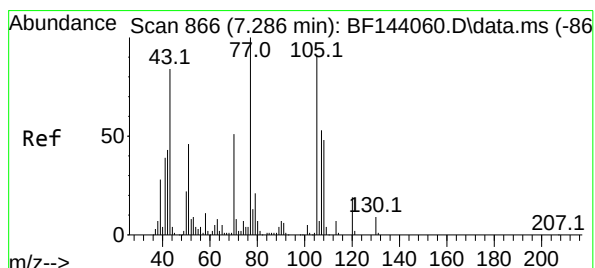
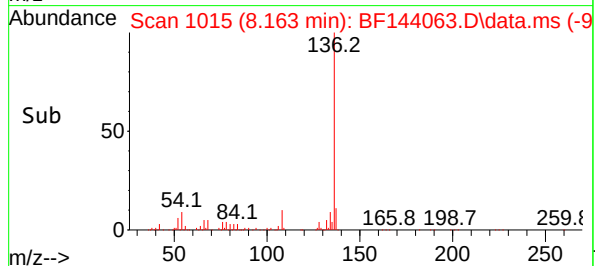
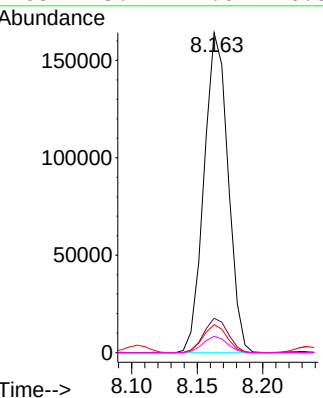
ClientSampleId :

SSTDICC080



Tgt Ion:136 Resp: 209353

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.7	6.6	9.8
68	5.1	4.6	6.8



#22

Acetophenone

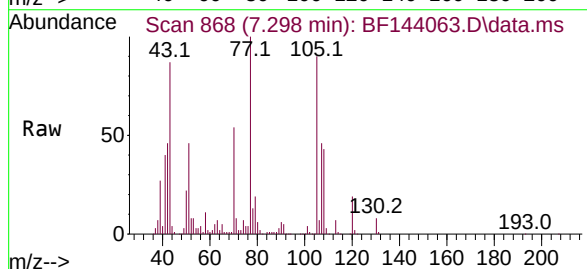
Concen: 68.672 ng

RT: 7.298 min Scan# 868

Delta R.T. 0.012 min

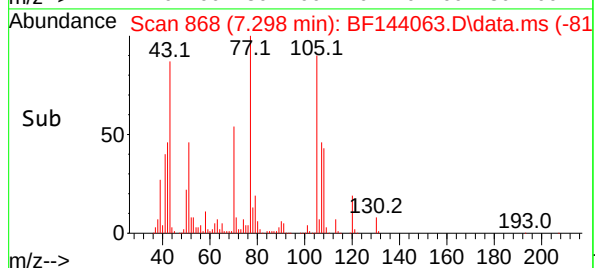
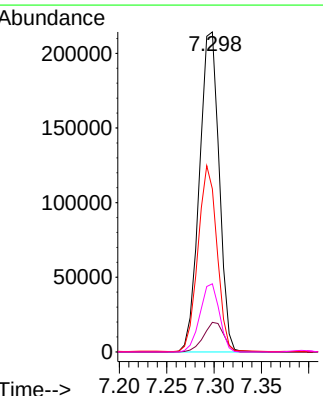
Lab File: BF144063.D

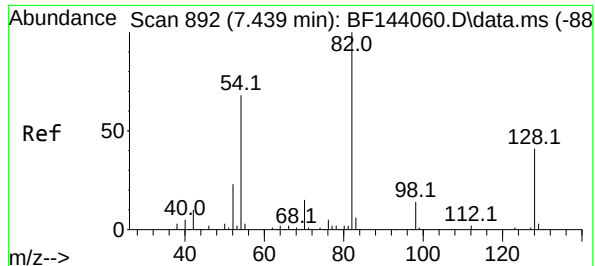
Acq: 24 Oct 2025 14:32



Tgt Ion:105 Resp: 310700

Ion	Ratio	Lower	Upper
105	100		
71	9.2	6.9	10.3
51	50.9	40.6	60.8
120	21.3	16.8	25.2

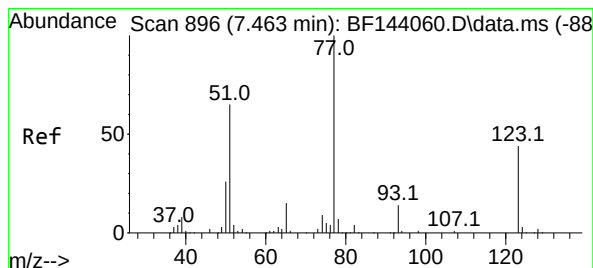
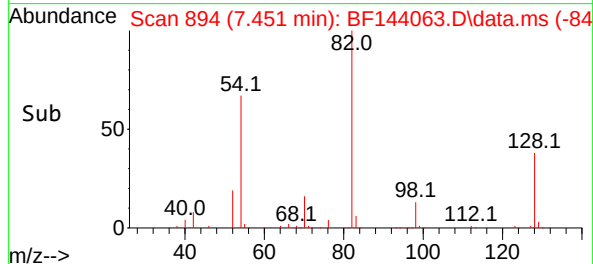
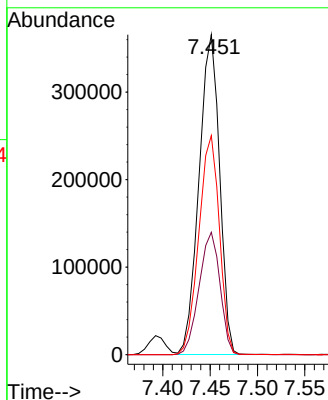
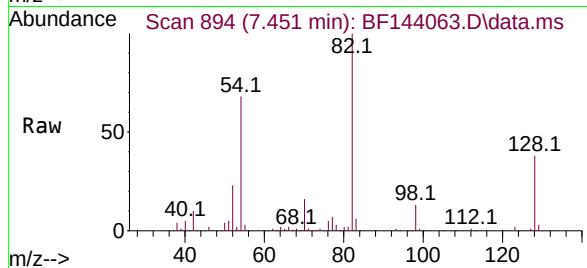




#23
Nitrobenzene-d5
Concen: 144.501 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

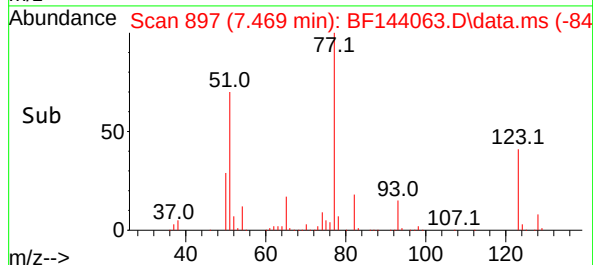
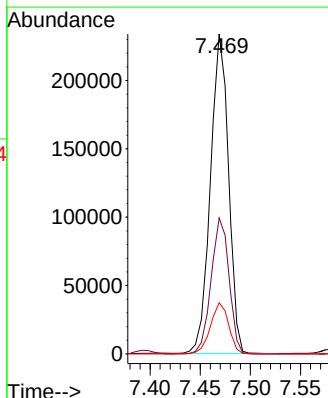
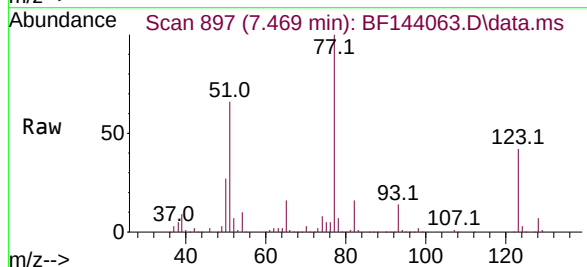
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

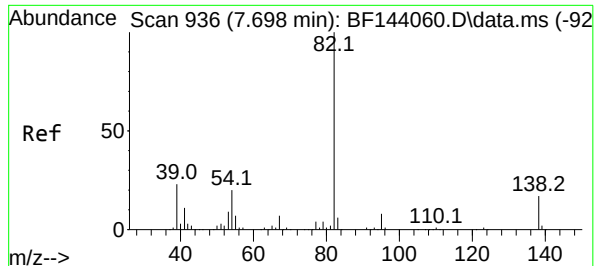
Tgt Ion: 82 Resp: 552167
Ion Ratio Lower Upper
82 100
128 38.2 32.4 48.6
54 68.4 54.0 81.0



#24
Nitrobenzene
Concen: 72.786 ng
RT: 7.469 min Scan# 897
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 77 Resp: 294221
Ion Ratio Lower Upper
77 100
123 42.5 35.0 52.6
65 16.0 12.2 18.2





#25

Isophorone

Concen: 73.000 ng

RT: 7.710 min Scan# 936

Delta R.T. 0.012 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

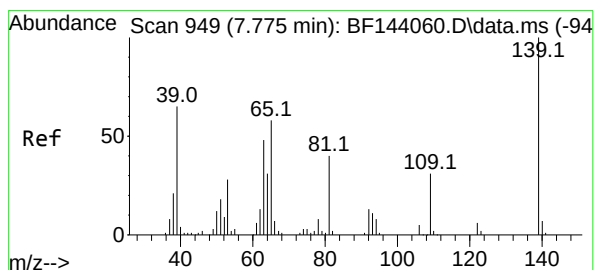
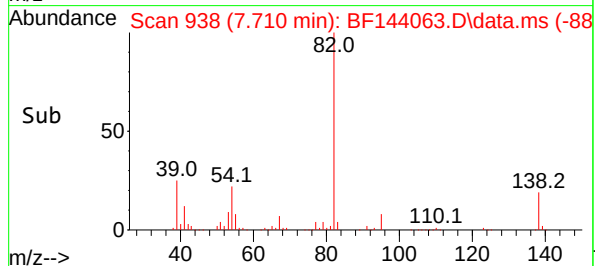
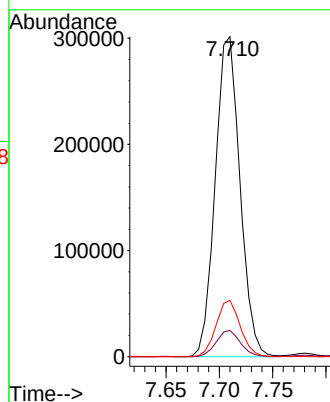
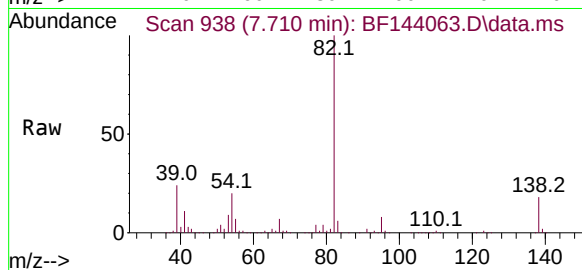
Tgt Ion: 82 Resp: 487685

Ion Ratio Lower Upper

82 100

95 8.2 6.6 9.8

138 17.6 13.8 20.8



#26

2-Nitrophenol

Concen: 71.925 ng

RT: 7.781 min Scan# 950

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

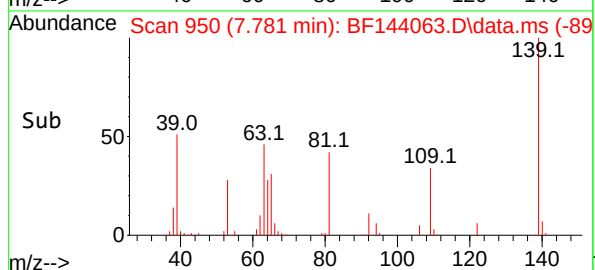
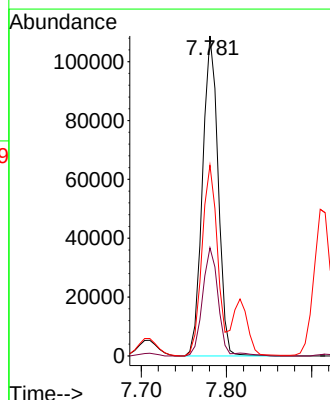
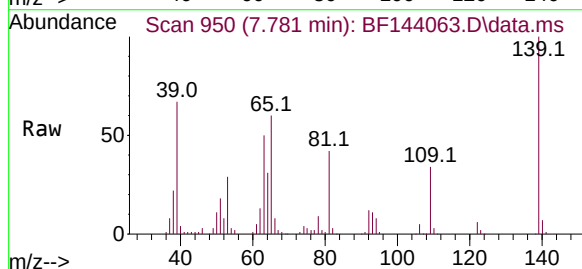
Tgt Ion: 139 Resp: 138311

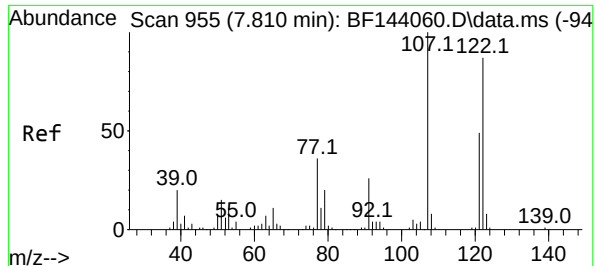
Ion Ratio Lower Upper

139 100

109 33.8 24.6 37.0

65 59.6 46.6 69.8





#27

2,4-Dimethylphenol

Concen: 72.515 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

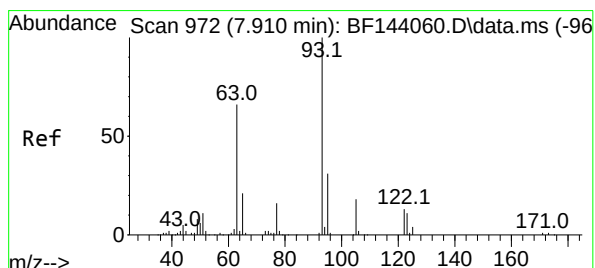
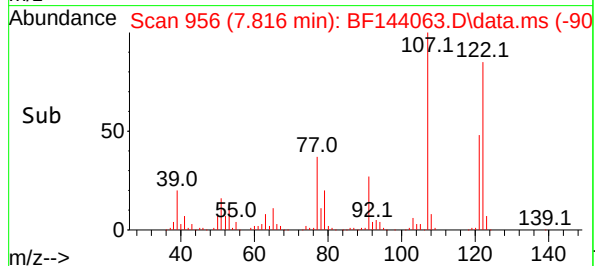
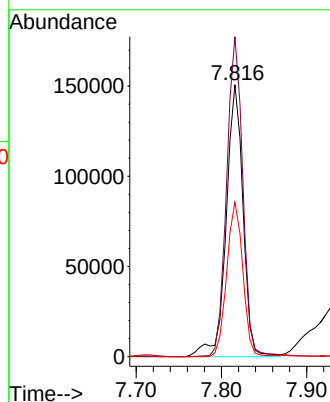
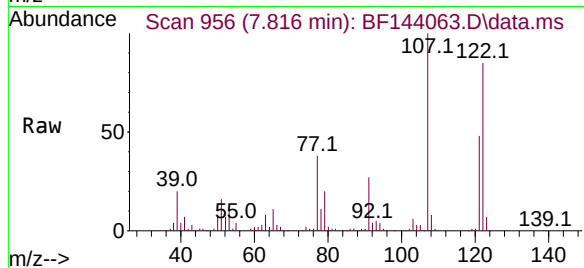
Tgt Ion:122 Resp: 207224

Ion Ratio Lower Upper

122 100

107 117.7 91.8 137.8

121 56.8 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 70.566 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

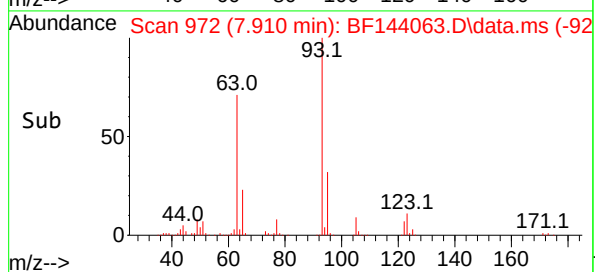
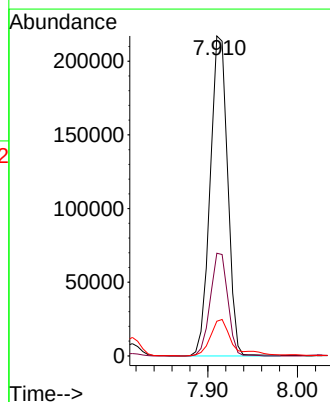
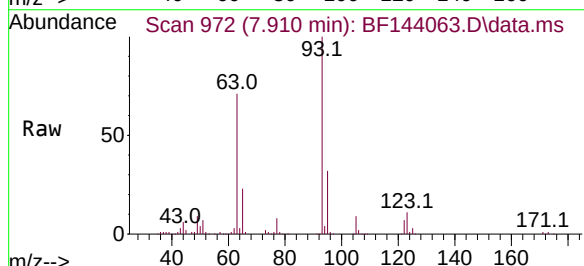
Tgt Ion: 93 Resp: 293996

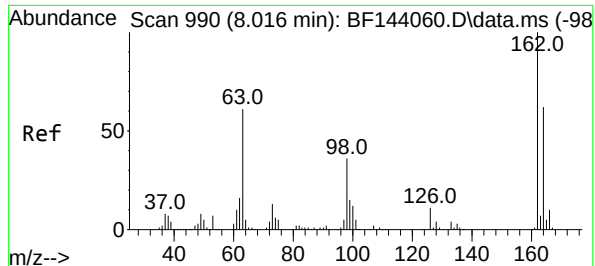
Ion Ratio Lower Upper

93 100

95 32.1 24.6 36.8

123 10.8 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 69.232 ng

RT: 8.022 min Scan# 99

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDIC080

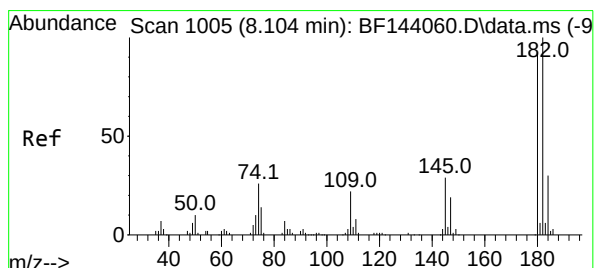
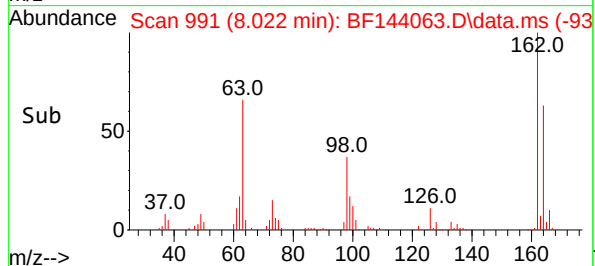
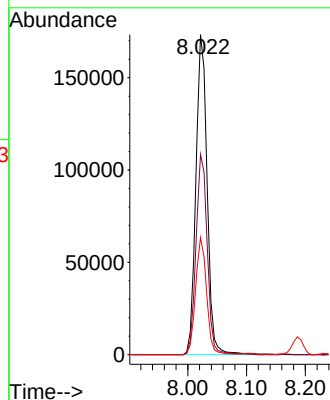
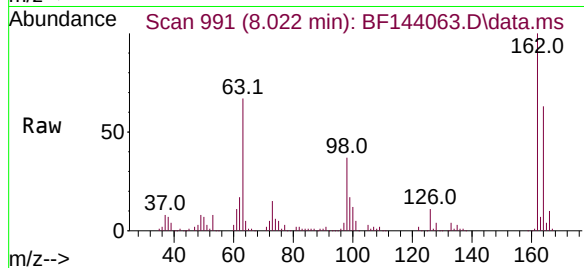
Tgt Ion:162 Resp: 230075

Ion Ratio Lower Upper

162 100

164 62.6 42.1 82.1

98 36.6 16.0 56.0



#30

1,2,4-Trichlorobenzene

Concen: 70.150 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

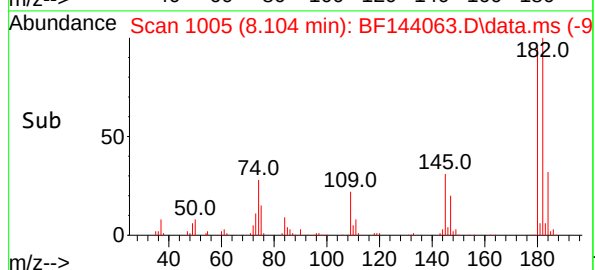
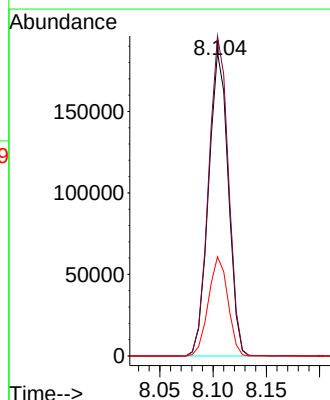
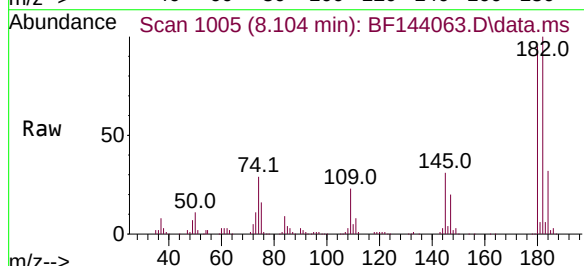
Tgt Ion:180 Resp: 239831

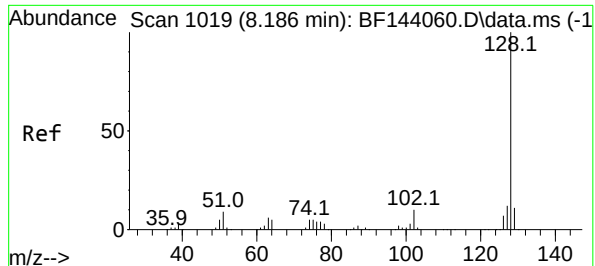
Ion Ratio Lower Upper

180 100

182 105.4 87.1 130.7

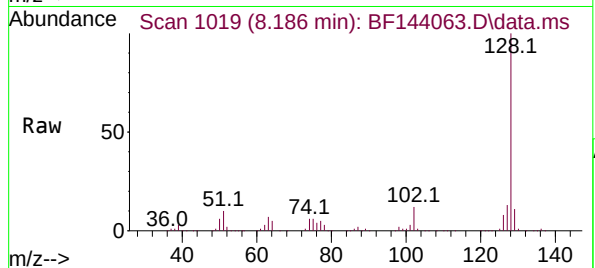
145 32.6 25.3 37.9



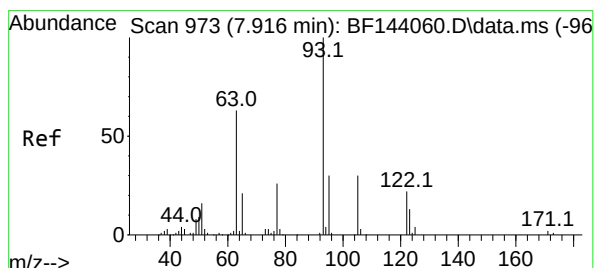
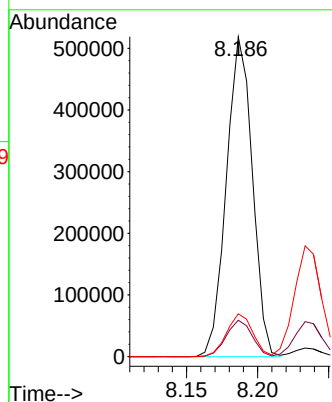
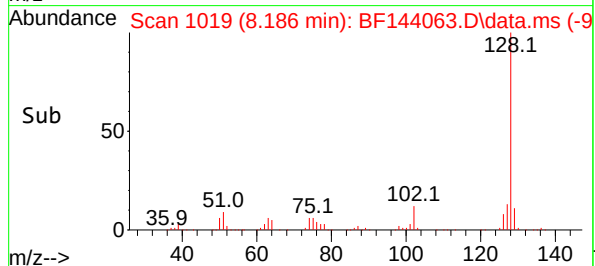


#31
Naphthalene
Concen: 66.812 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

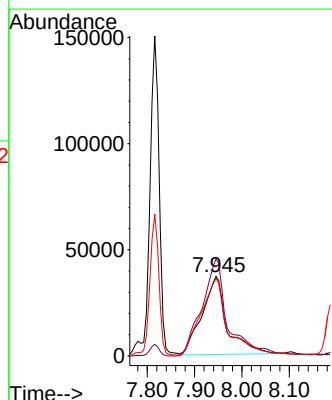
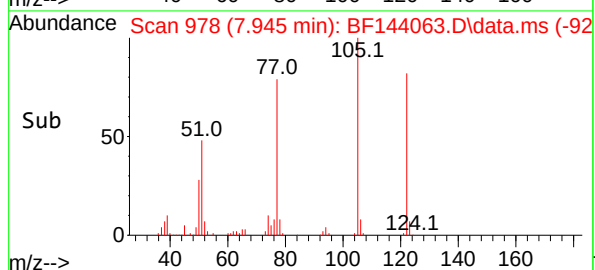
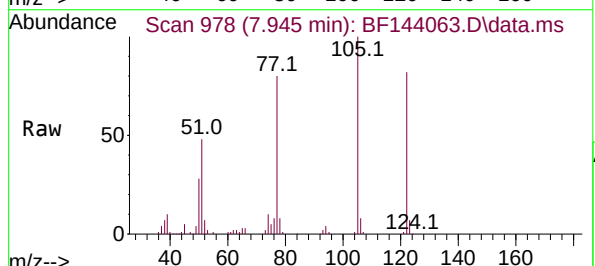


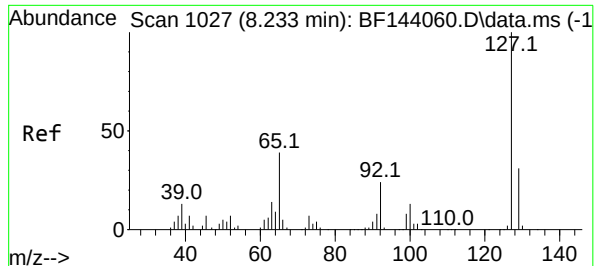
Tgt Ion:128 Resp: 660164
Ion Ratio Lower Upper
128 100
129 11.4 8.4 12.6
127 13.4 9.9 14.9



#32
Benzoic acid
Concen: 74.766 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.029 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:122 Resp: 135524
Ion Ratio Lower Upper
122 100
105 122.4 111.3 151.3
77 97.7 96.7 136.7





#33

4-Chloroaniline

Concen: 69.535 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDIC080

Tgt Ion:127 Resp: 239182

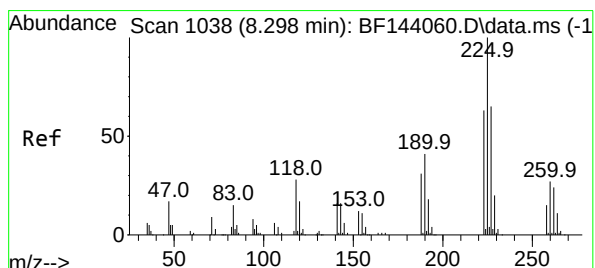
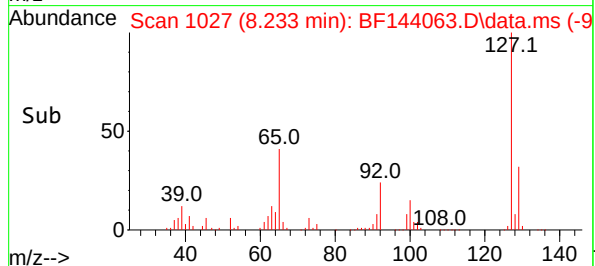
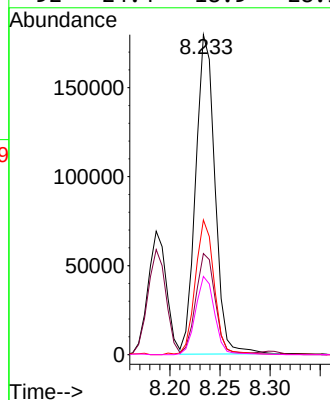
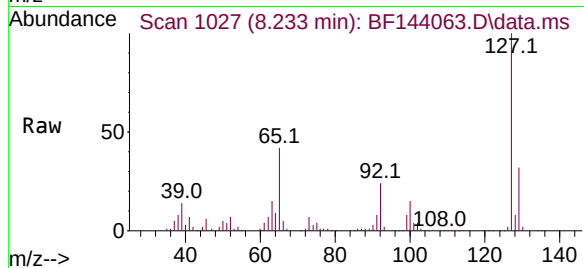
Ion Ratio Lower Upper

127 100

129 31.6 25.6 38.4

65 42.1 30.9 46.3

92 24.4 18.9 28.3



#34

Hexachlorobutadiene

Concen: 70.141 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

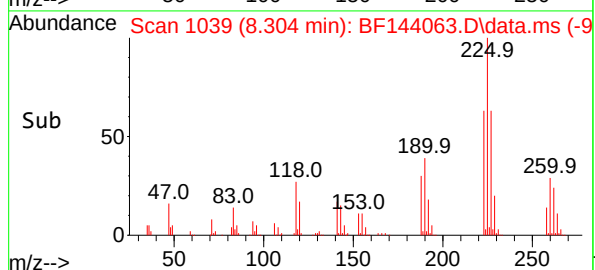
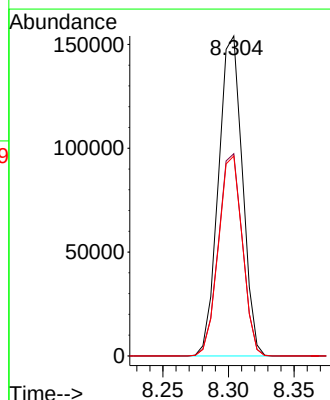
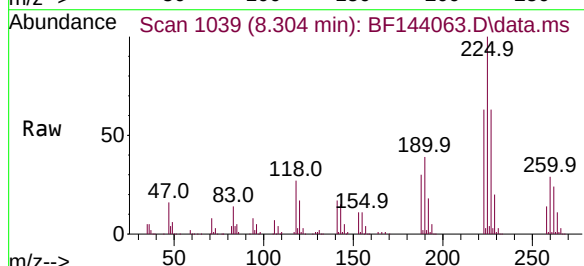
Tgt Ion:225 Resp: 196083

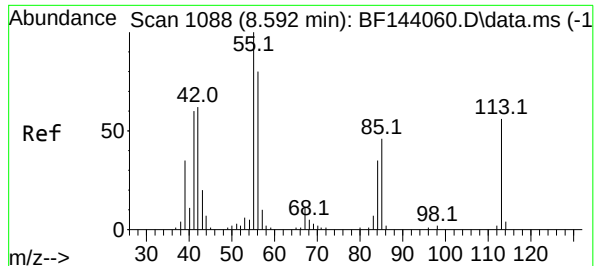
Ion Ratio Lower Upper

225 100

223 63.2 50.6 76.0

227 62.5 51.8 77.8





#35

Caprolactam

Concen: 75.462 ng

RT: 8.622 min Scan# 1109

Delta R.T. 0.029 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

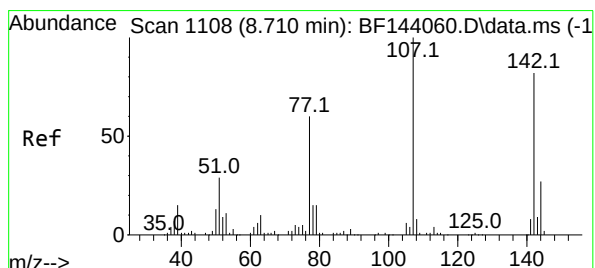
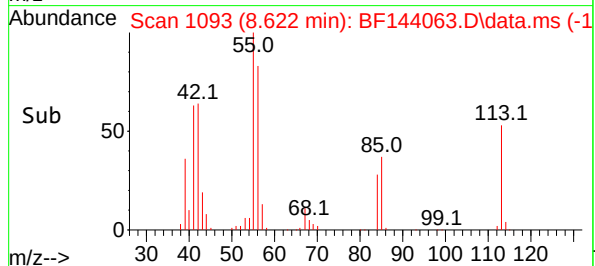
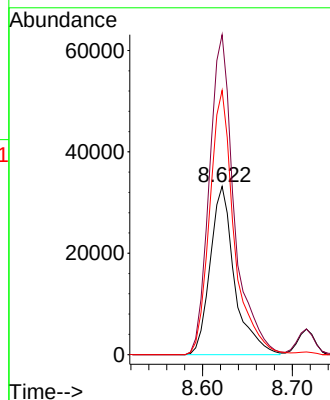
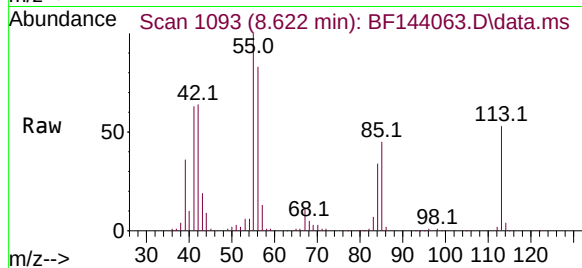
Tgt Ion:113 Resp: 62887

Ion Ratio Lower Upper

113 100

55 190.2 160.1 200.1

56 157.0 124.9 164.9



#36

4-Chloro-3-methylphenol

Concen: 71.352 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

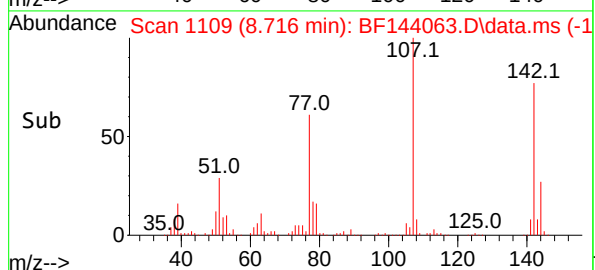
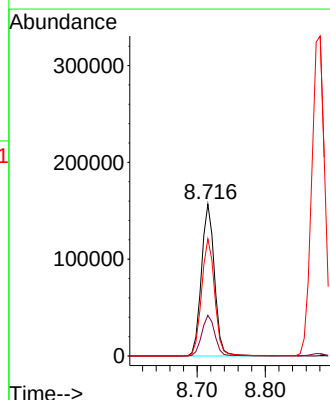
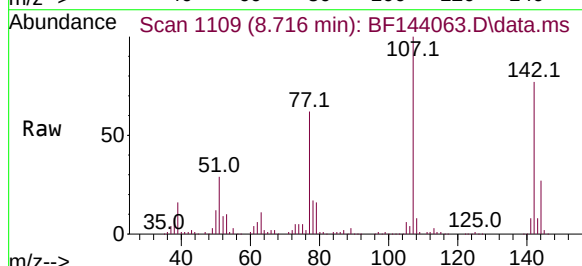
Tgt Ion:107 Resp: 209253

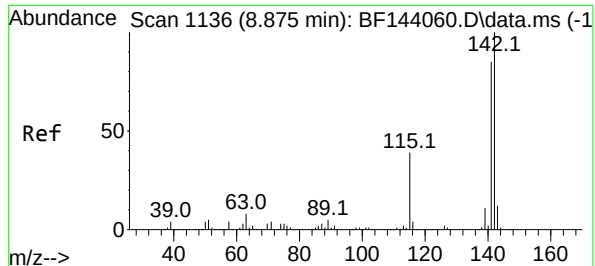
Ion Ratio Lower Upper

107 100

144 26.7 21.6 32.4

142 77.1 65.4 98.0





#37

2-Methylnaphthalene

Concen: 67.385 ng

RT: 8.880 min Scan# 1136

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

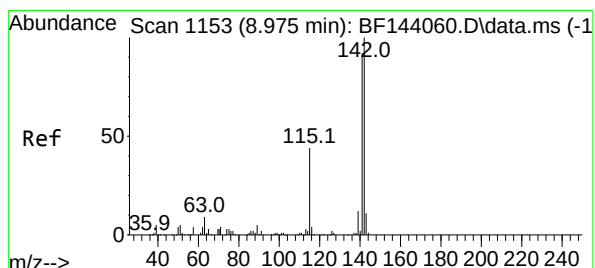
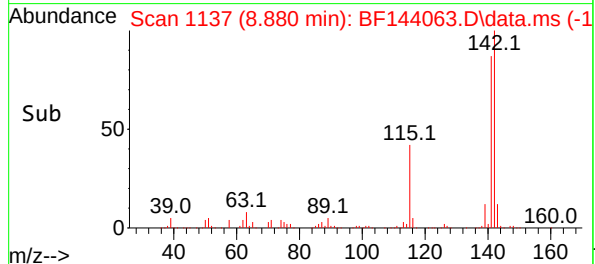
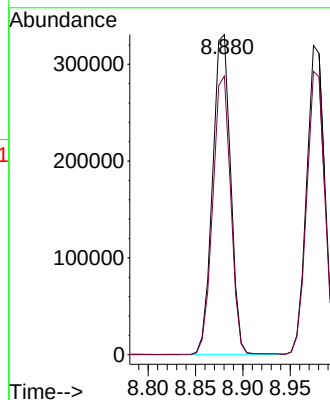
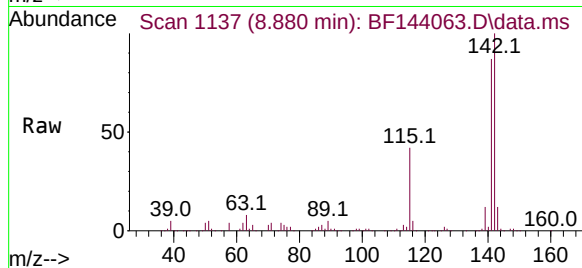
SSTDICC080

Tgt Ion:142 Resp: 438984

Ion Ratio Lower Upper

142 100

141 87.0 67.6 101.4



#38

1-Methylnaphthalene

Concen: 67.761 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF144063.D

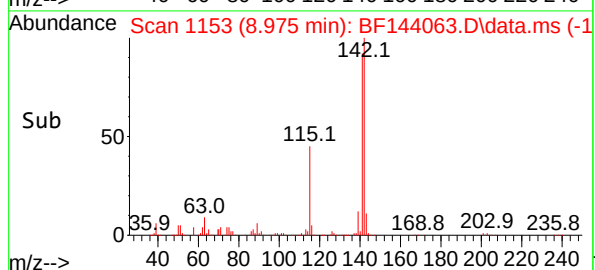
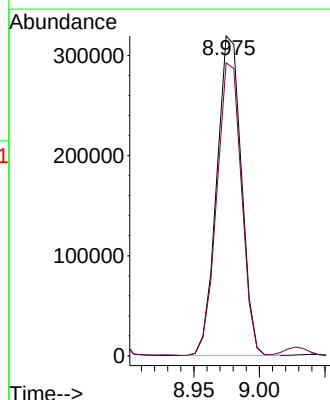
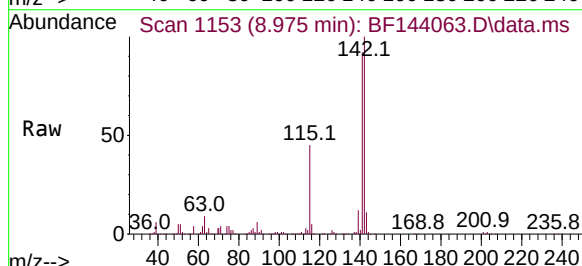
Acq: 24 Oct 2025 14:32

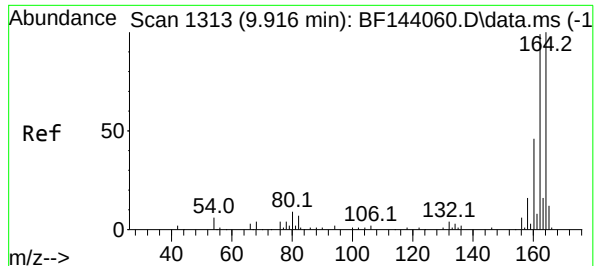
Tgt Ion:142 Resp: 418223

Ion Ratio Lower Upper

142 100

141 91.6 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1165

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

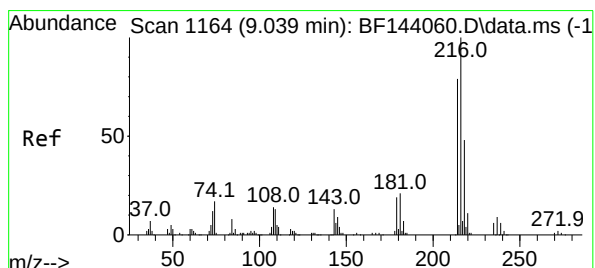
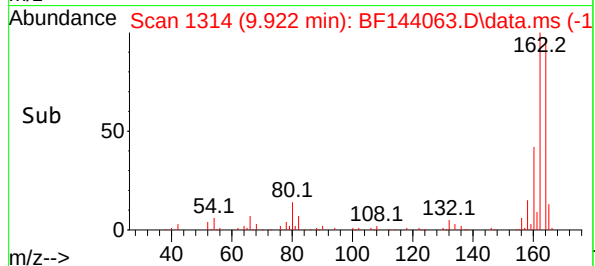
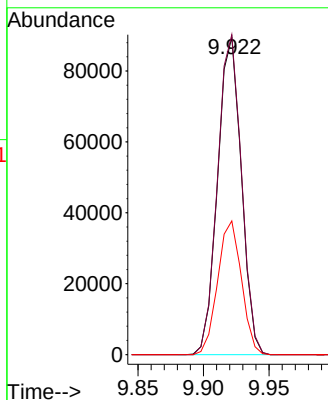
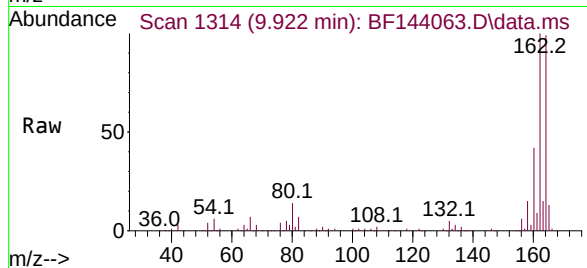
Tgt Ion:164 Resp: 112793

Ion Ratio Lower Upper

164 100

162 100.9 79.4 119.2

160 42.2 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 67.873 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Tgt Ion:216 Resp: 263109

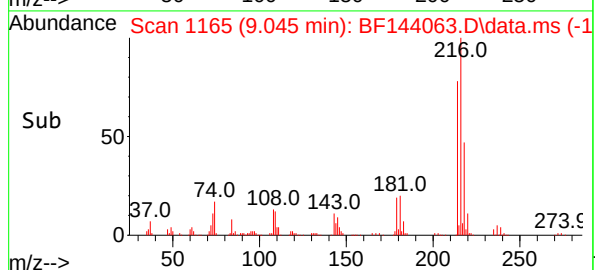
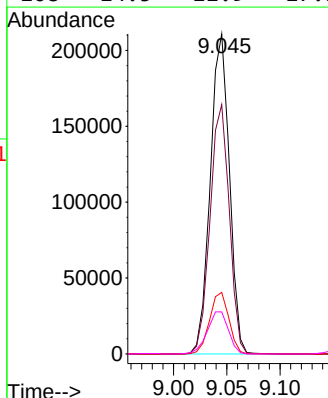
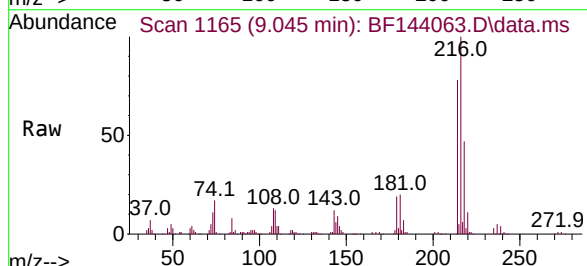
Ion Ratio Lower Upper

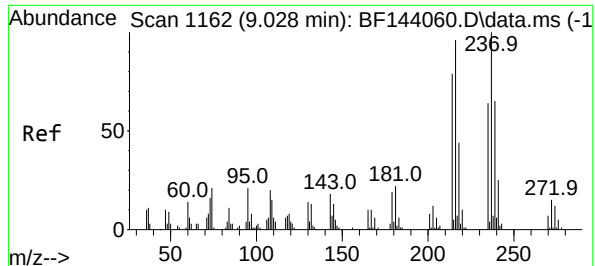
216 100

214 78.5 63.2 94.8

179 19.4 15.2 22.8

108 14.5 11.9 17.9





#41

Hexachlorocyclopentadiene

Concen: 83.468 ng

RT: 9.028 min Scan# 1162

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

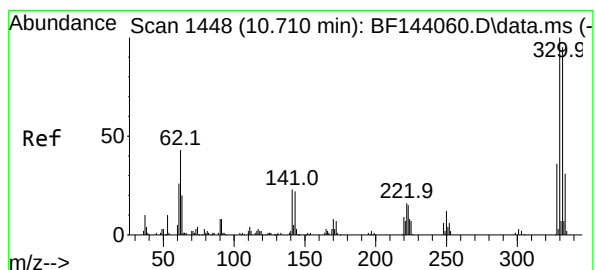
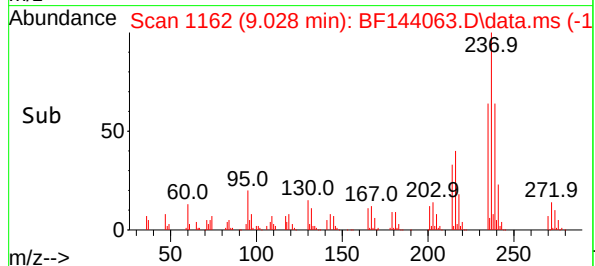
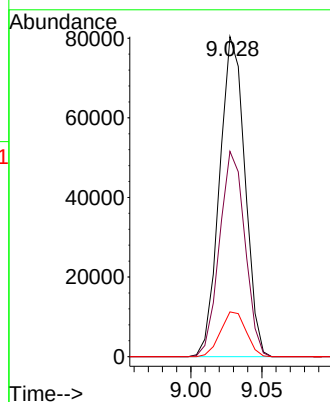
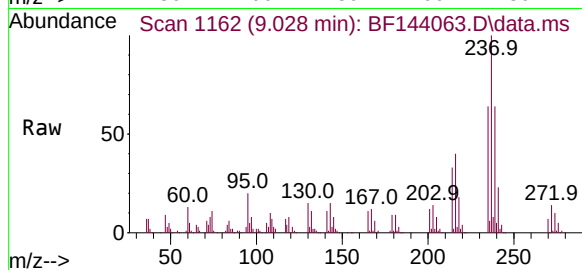
Tgt Ion:237 Resp: 99937

Ion Ratio Lower Upper

237 100

235 64.1 44.3 84.3

272 14.0 0.0 35.2



#42

2,4,6-Tribromophenol

Concen: 148.116 ng

RT: 10.716 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

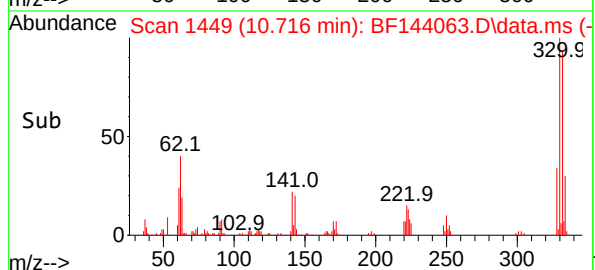
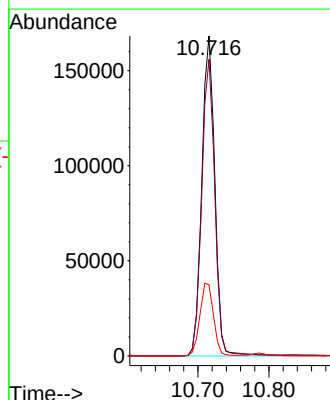
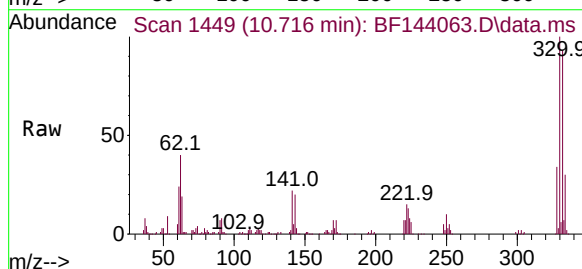
Tgt Ion:330 Resp: 212808

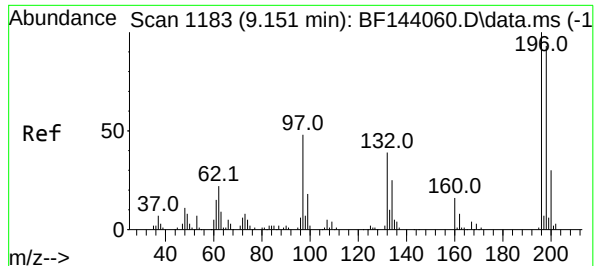
Ion Ratio Lower Upper

330 100

332 93.0 77.0 115.6

141 23.8 19.4 29.0





#43

2,4,6-Trichlorophenol

Concen: 69.040 ng

RT: 9.157 min Scan# 1183

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

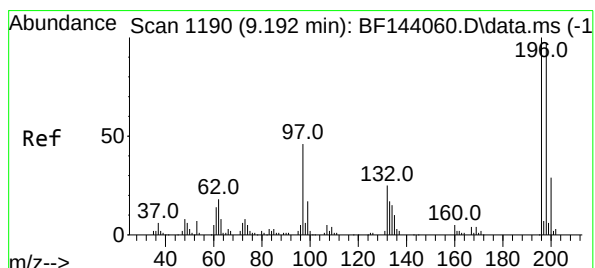
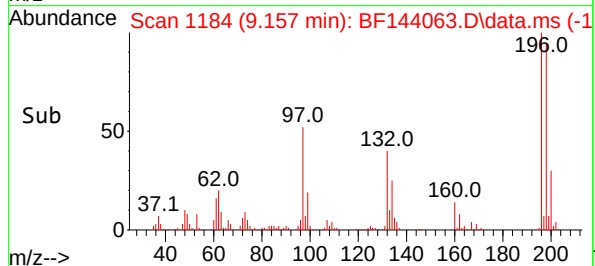
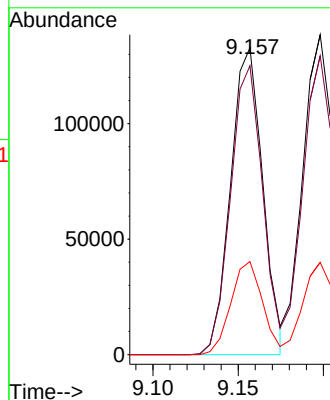
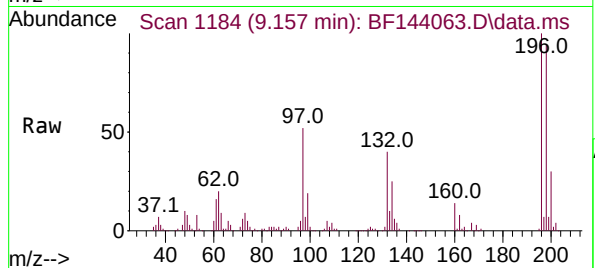
Tgt Ion:196 Resp: 173959

Ion Ratio Lower Upper

196 100

198 94.1 74.4 111.6

200 30.3 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 71.565 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Tgt Ion:196 Resp: 189248

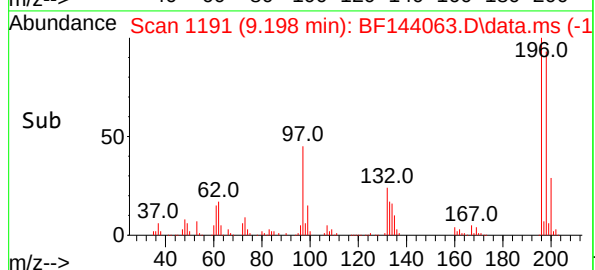
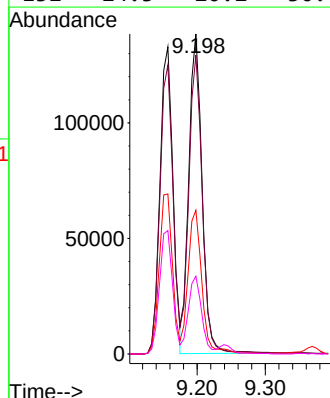
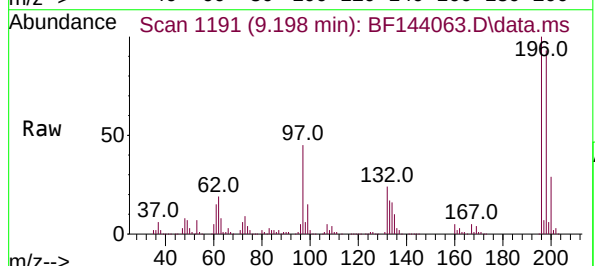
Ion Ratio Lower Upper

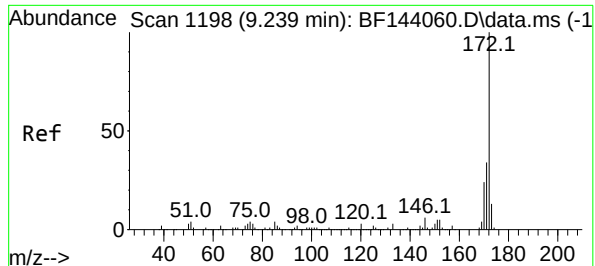
196 100

198 93.4 78.0 117.0

97 44.9 37.7 56.5

132 24.3 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 131.050 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

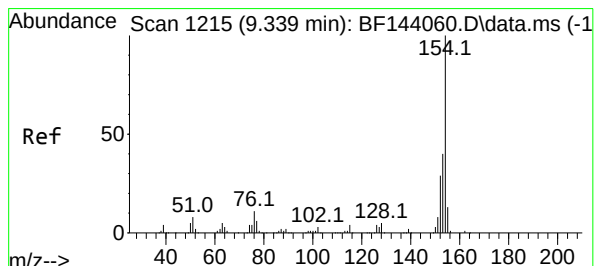
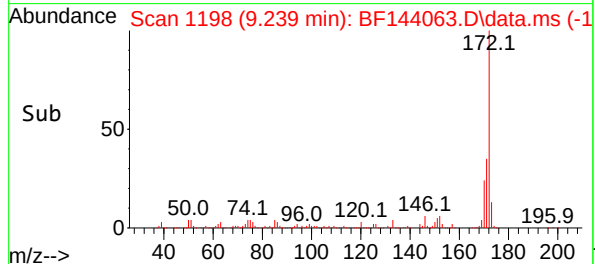
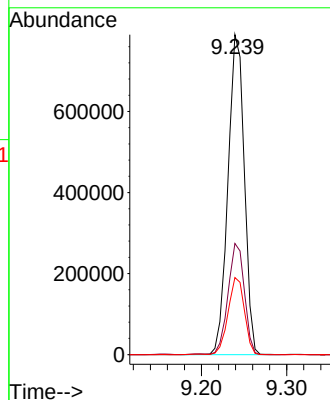
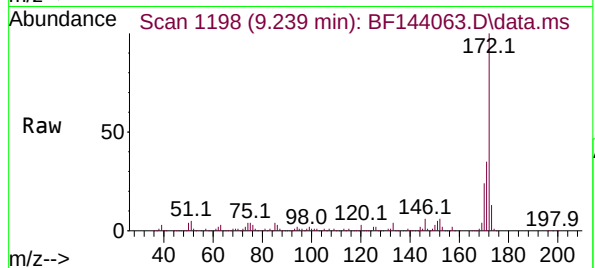
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:172 Resp: 1050410

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.5	41.3
170	24.1	19.0	28.6



#46

1,1'-Biphenyl

Concen: 65.690 ng

RT: 9.345 min Scan# 1216

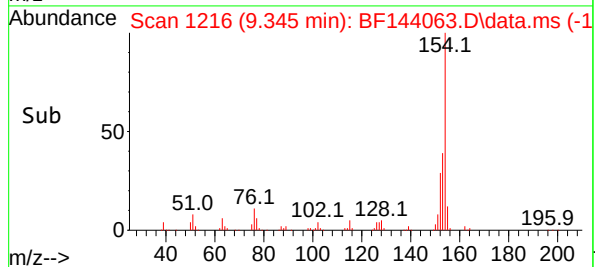
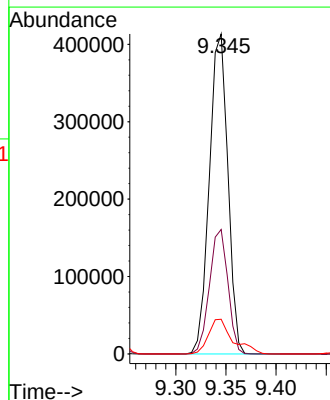
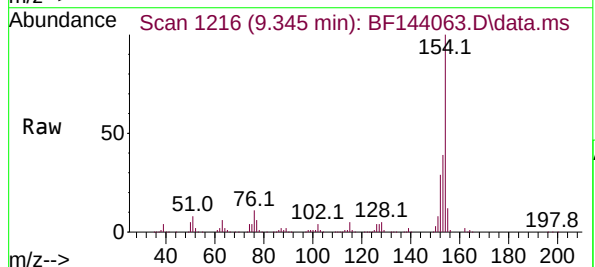
Delta R.T. 0.006 min

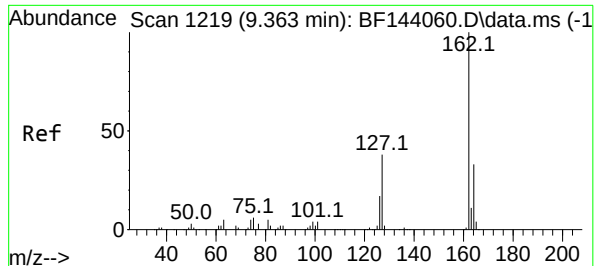
Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Tgt Ion:154 Resp: 530392

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.7	59.7
76	10.8	0.0	31.1





#47

2-Chloronaphthalene

Concen: 65.979 ng

RT: 9.369 min Scan# 1219

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

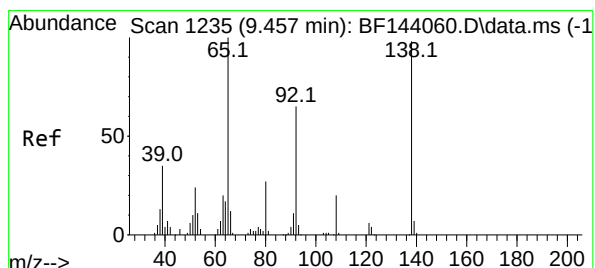
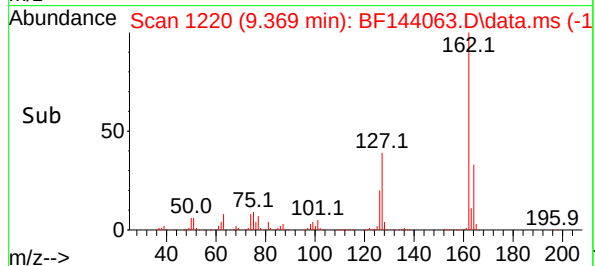
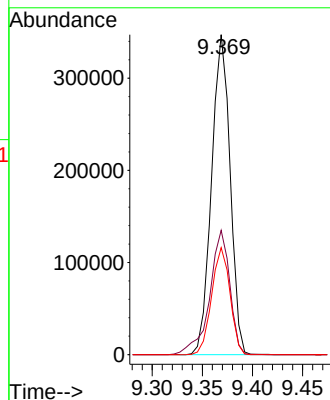
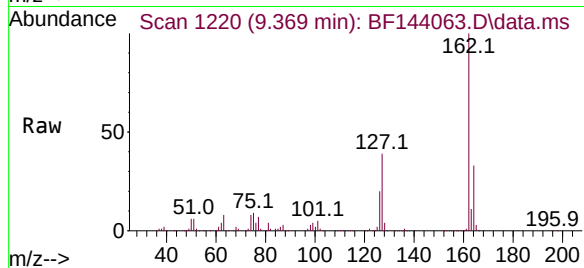
Tgt Ion:162 Resp: 446307

Ion Ratio Lower Upper

162 100

127 38.8 31.6 47.4

164 33.4 26.5 39.7



#48

2-Nitroaniline

Concen: 73.762 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

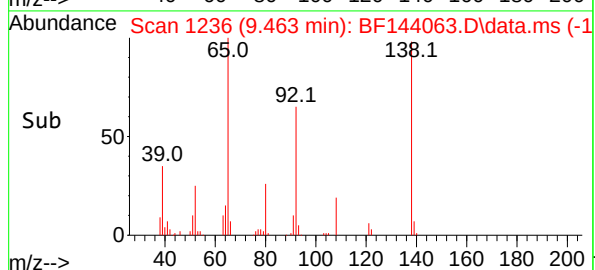
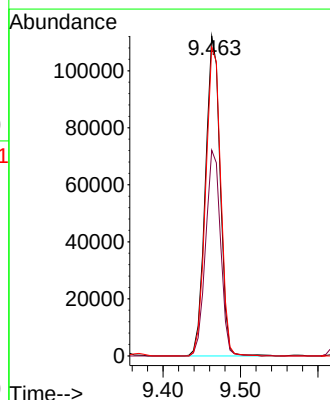
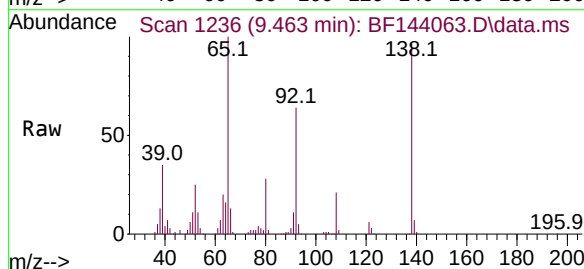
Tgt Ion: 65 Resp: 148164

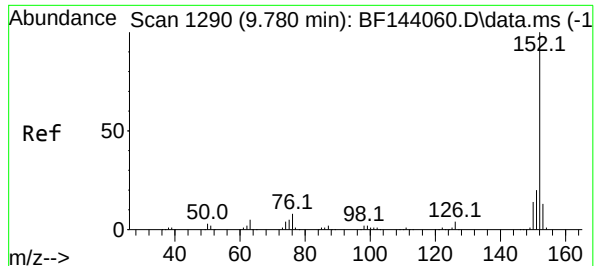
Ion Ratio Lower Upper

65 100

92 64.3 52.3 78.5

138 96.5 78.3 117.5





#49

Acenaphthylene

Concen: 66.126 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

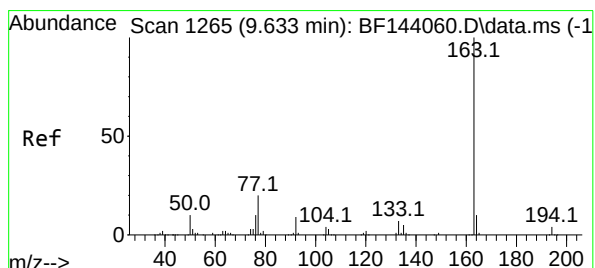
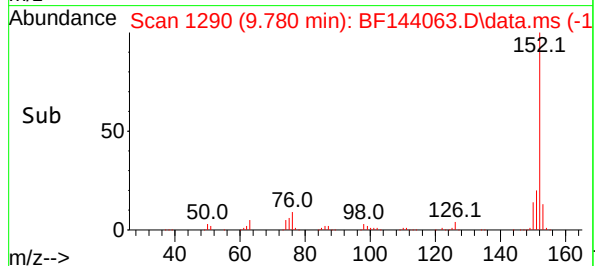
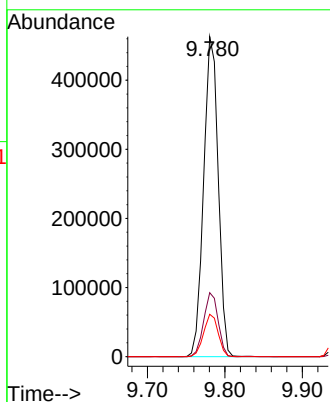
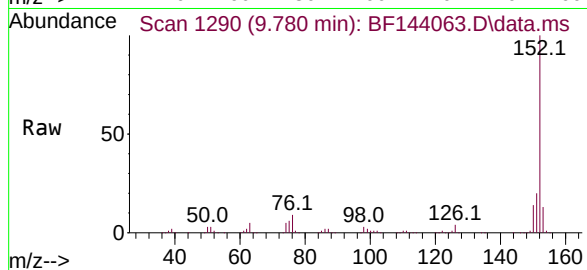
Tgt Ion:152 Resp: 603127

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 69.954 ng

RT: 9.639 min Scan# 1266

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

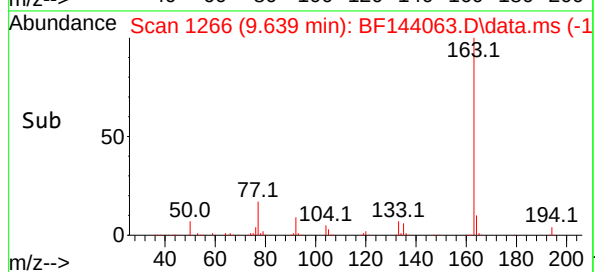
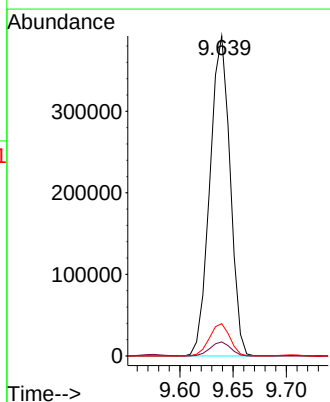
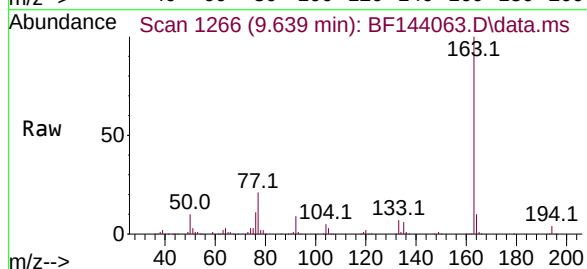
Tgt Ion:163 Resp: 517194

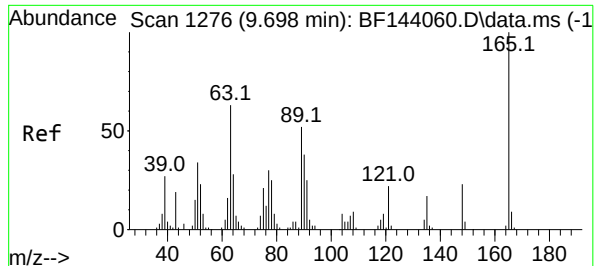
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

164 10.1 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 73.947 ng

RT: 9.704 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

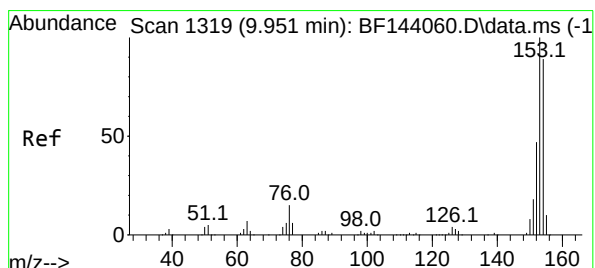
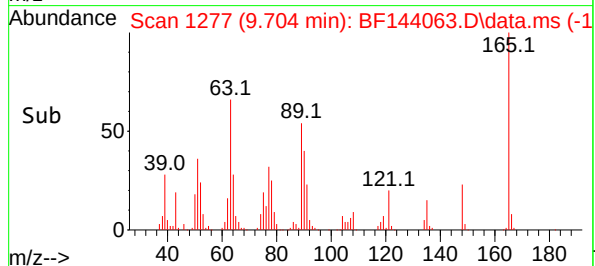
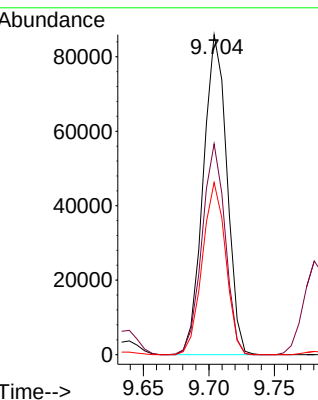
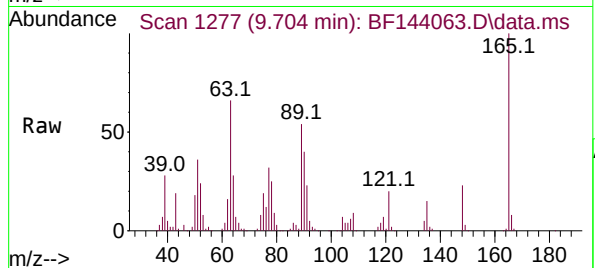
Tgt Ion:165 Resp: 108081

Ion Ratio Lower Upper

165 100

63 65.9 50.4 75.6

89 53.8 41.4 62.2



#52

Acenaphthene

Concen: 67.707 ng

RT: 9.957 min Scan# 1320

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

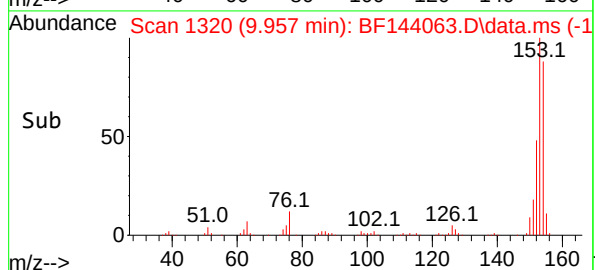
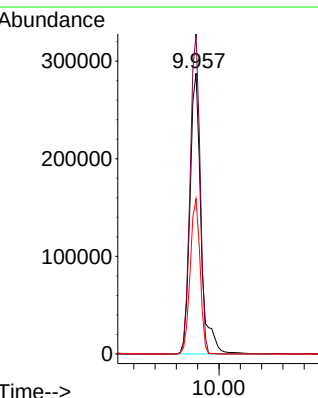
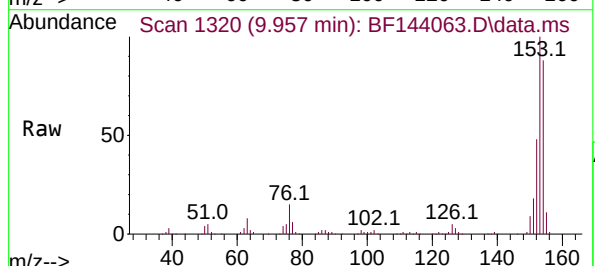
Tgt Ion:154 Resp: 412422

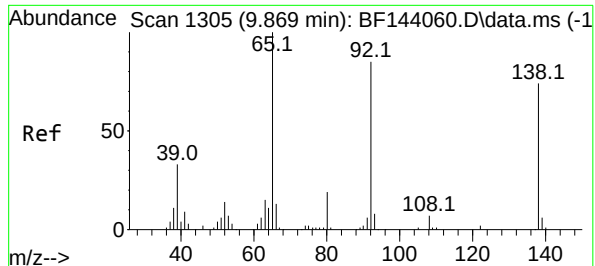
Ion Ratio Lower Upper

154 100

153 114.0 89.9 134.9

152 55.3 42.0 63.0





#53

3-Nitroaniline

Concen: 69.421 ng

RT: 9.875 min Scan# 1306

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

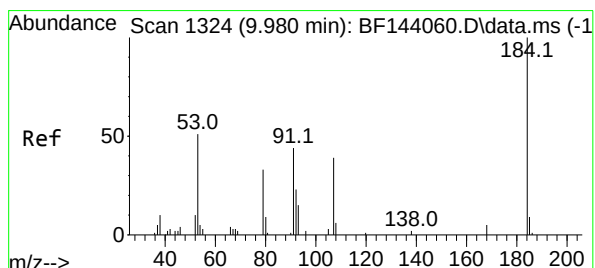
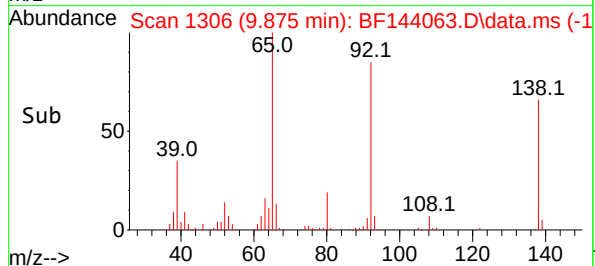
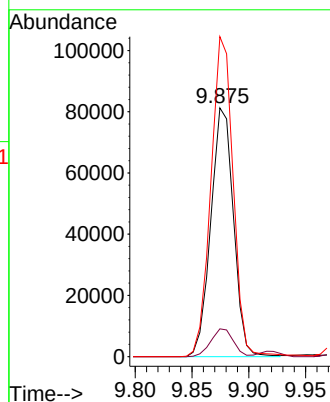
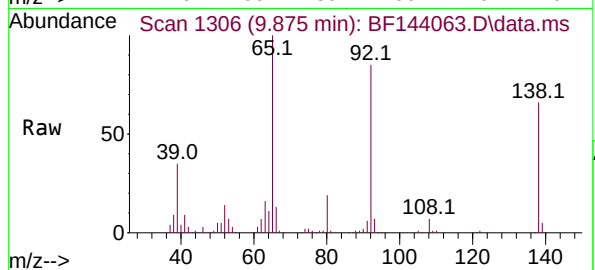
Tgt Ion:138 Resp: 112811

Ion Ratio Lower Upper

138 100

108 11.2 7.9 11.9

92 128.6 92.0 138.0



#54

2,4-Dinitrophenol

Concen: 79.646 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

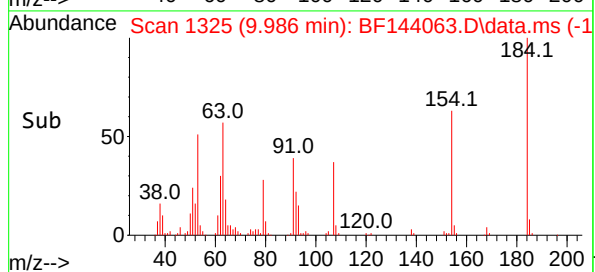
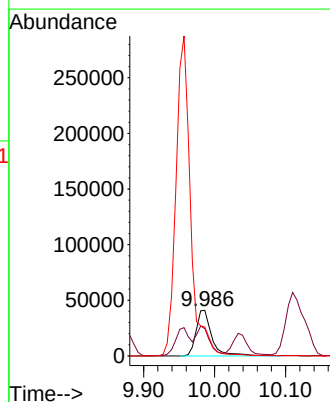
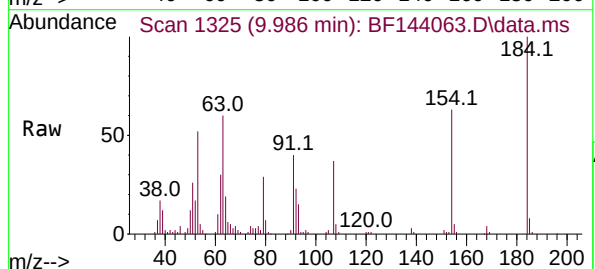
Tgt Ion:184 Resp: 62962

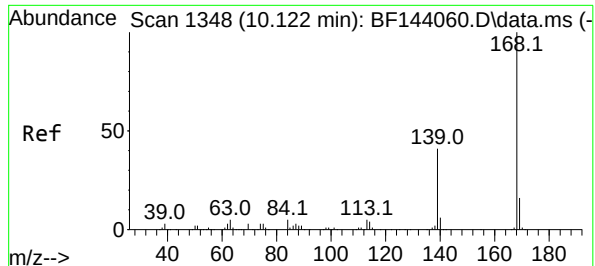
Ion Ratio Lower Upper

184 100

63 59.8 52.1 78.1

154 63.3 47.9 71.9





#55

Dibenzofuran

Concen: 66.253 ng

RT: 10.127 min Scan# 1348

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

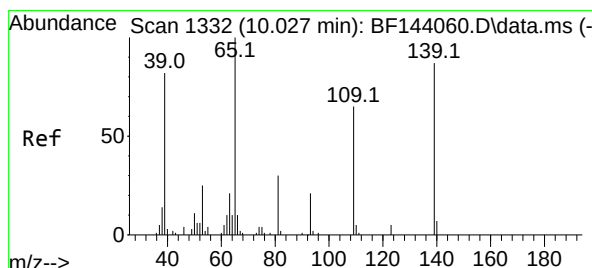
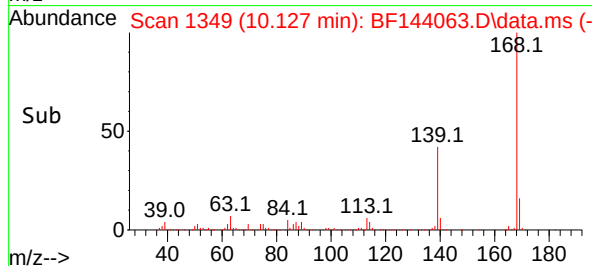
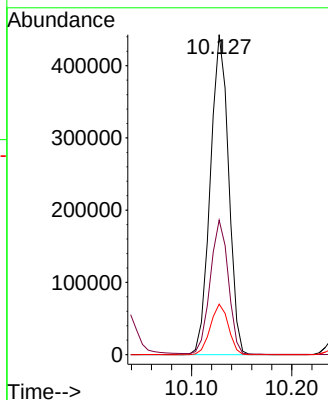
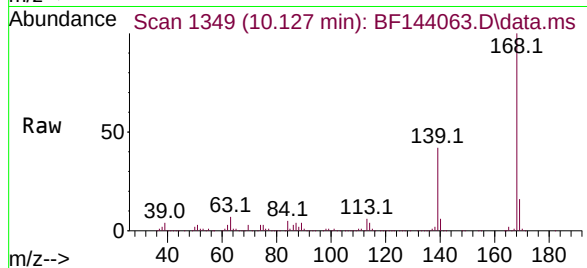
Tgt Ion:168 Resp: 560264

Ion Ratio Lower Upper

168 100

139 42.0 33.2 49.8

169 15.8 12.6 19.0



#56

4-Nitrophenol

Concen: 75.509 ng

RT: 10.033 min Scan# 1333

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

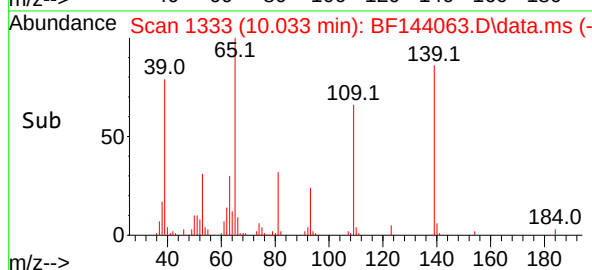
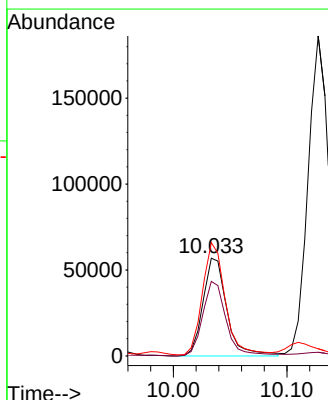
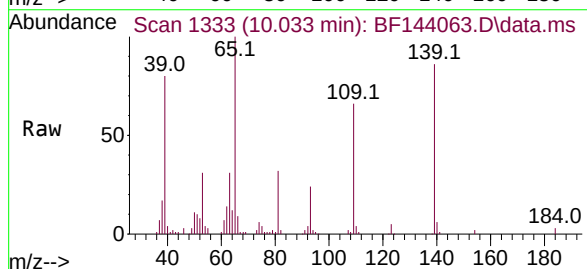
Tgt Ion:139 Resp: 83091

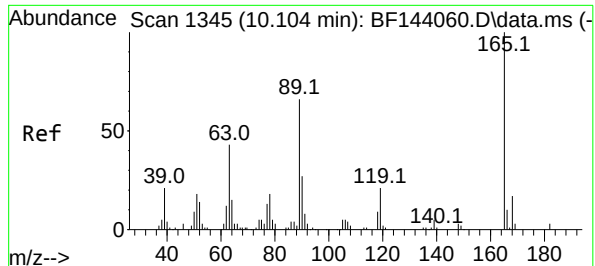
Ion Ratio Lower Upper

139 100

109 76.3 53.8 93.8

65 115.9 95.9 135.9

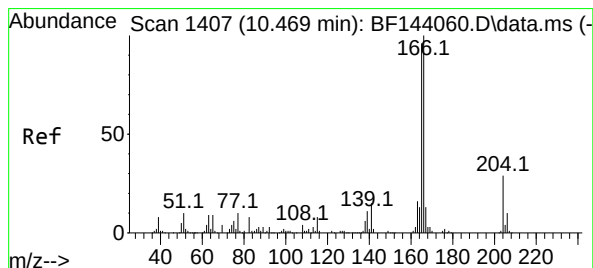
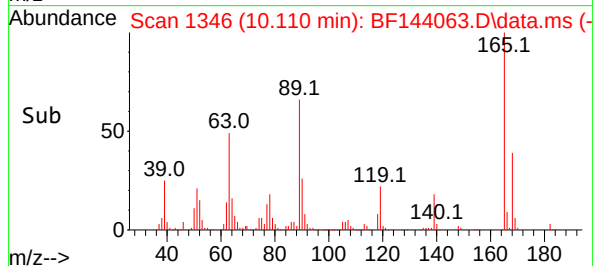
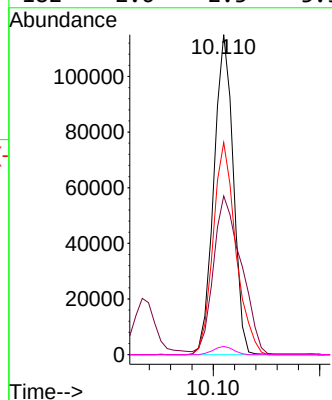
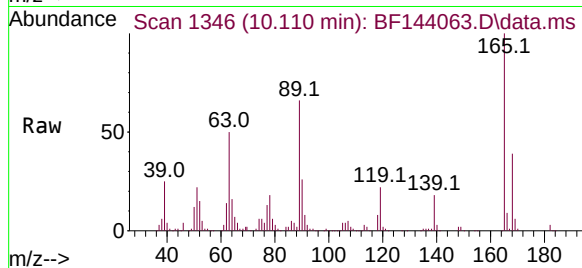




#57
2,4-Dinitrotoluene
Concen: 73.844 ng
RT: 10.110 min Scan# 1345
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

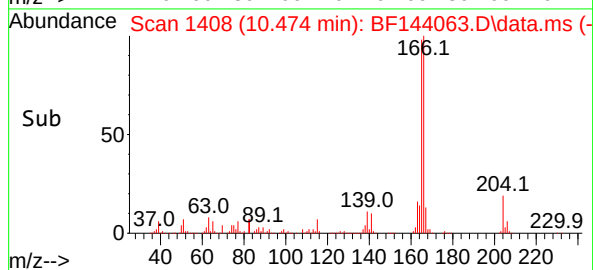
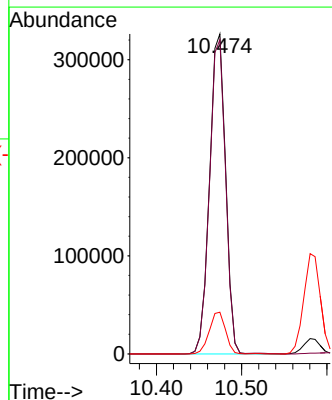
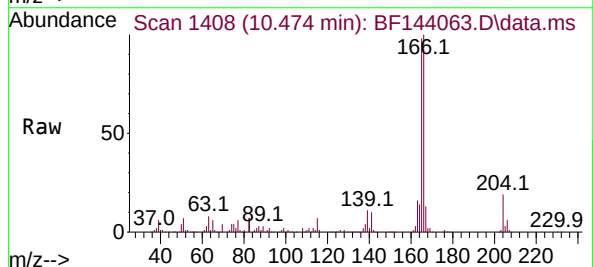
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

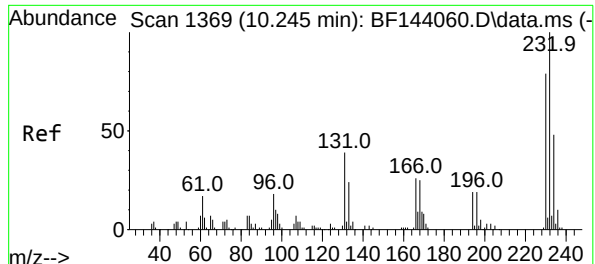
Tgt Ion:165 Resp: 145667
Ion Ratio Lower Upper
165 100
63 49.6 35.4 53.2
89 66.3 52.7 79.1
182 2.6 2.3 3.5



#58
Fluorene
Concen: 66.175 ng
RT: 10.474 min Scan# 1408
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:166 Resp: 426390
Ion Ratio Lower Upper
166 100
165 98.2 77.0 115.4
167 13.0 10.2 15.4

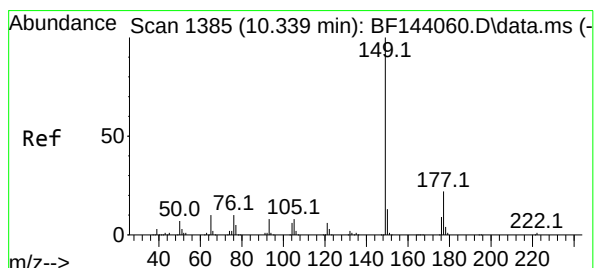
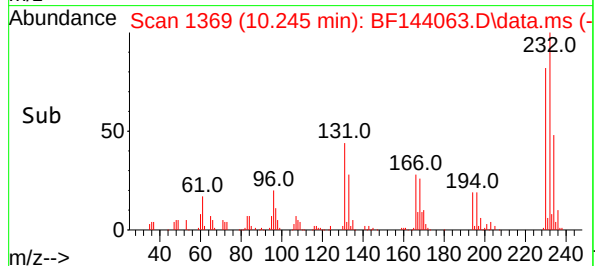
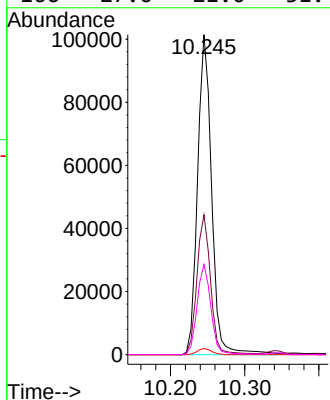
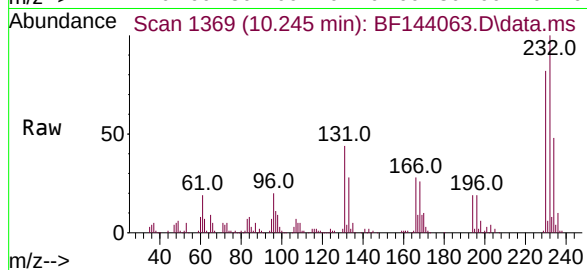




#59
2,3,4,6-Tetrachlorophenol
Concen: 71.865 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

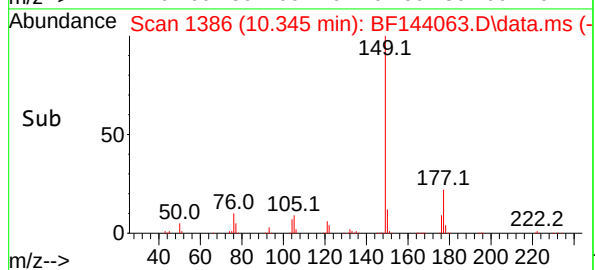
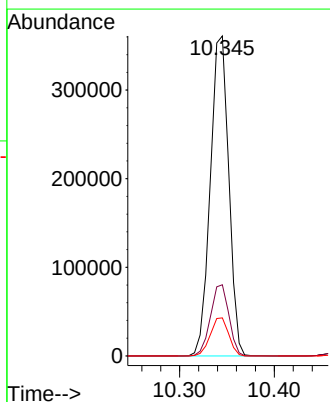
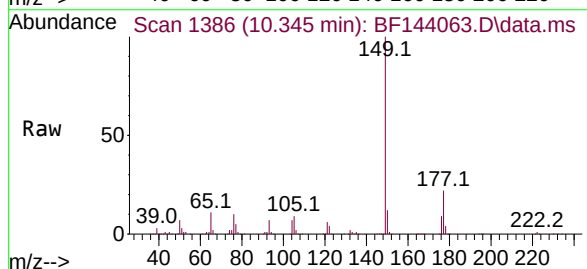
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

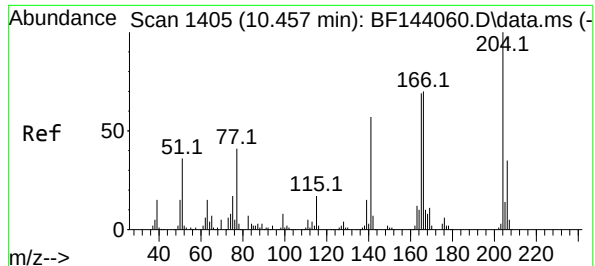
Tgt Ion:232 Resp: 133917
Ion Ratio Lower Upper
232 100
131 42.4 31.9 47.9
130 1.9 1.1 1.7#
166 27.6 21.0 31.4



#60
Diethylphthalate
Concen: 70.274 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:149 Resp: 488605
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 11.9 10.1 15.1

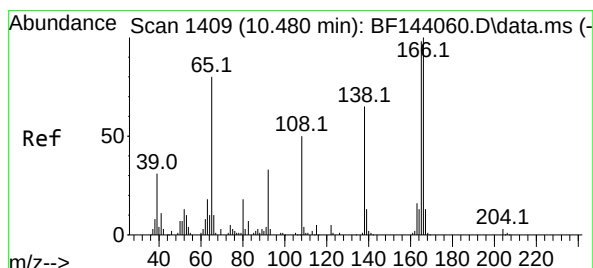
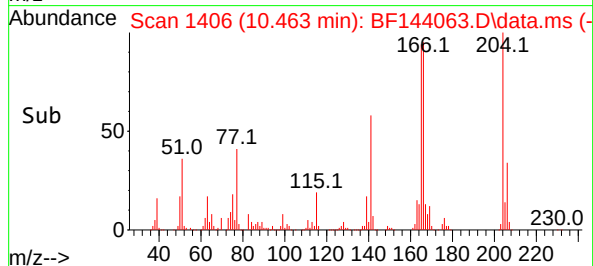
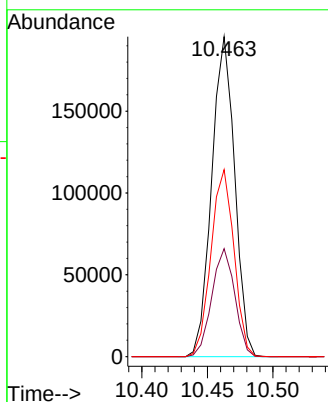
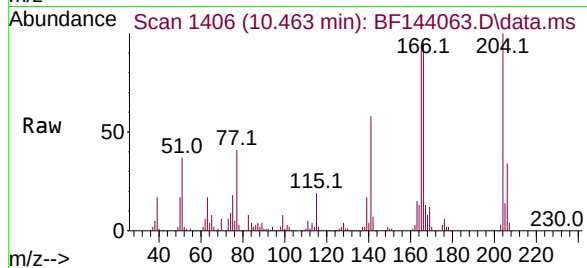




#61
4-Chlorophenyl-phenylether
Concen: 65.871 ng
RT: 10.463 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

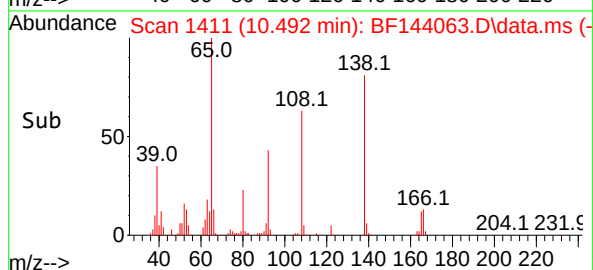
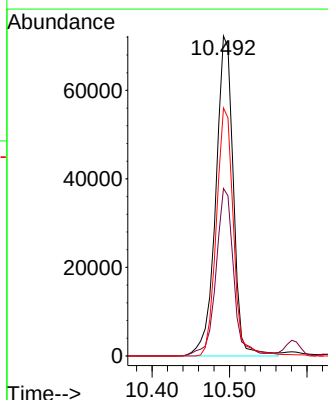
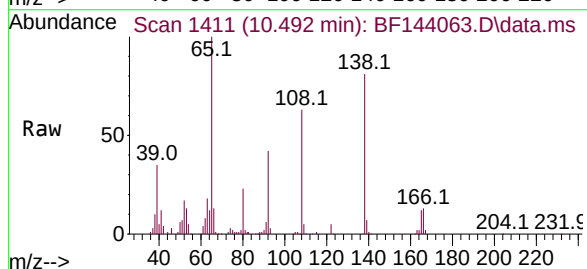
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

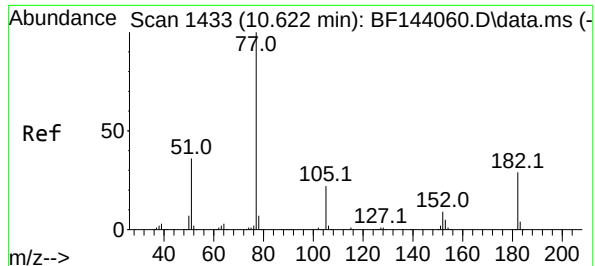
Tgt Ion:204 Resp: 238684
Ion Ratio Lower Upper
204 100
206 33.7 27.8 41.6
141 58.4 45.4 68.2



#62
4-Nitroaniline
Concen: 73.997 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.012 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:138 Resp: 113935
Ion Ratio Lower Upper
138 100
92 52.3 30.5 70.5
108 77.5 56.2 96.2

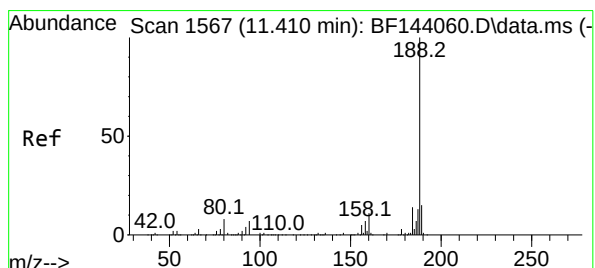
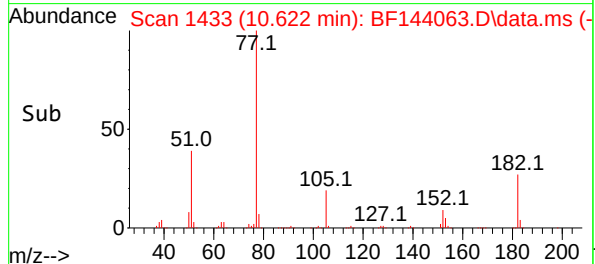
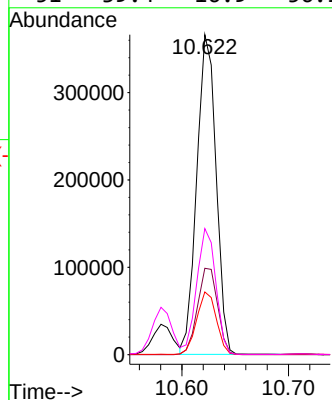
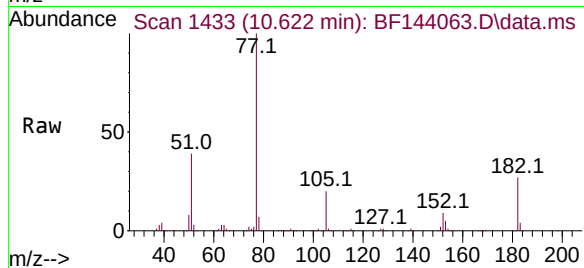




#63
Azobenzene
Concen: 69.934 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

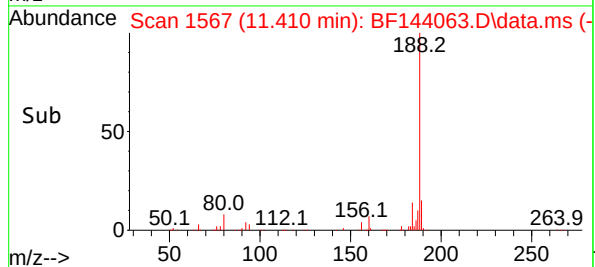
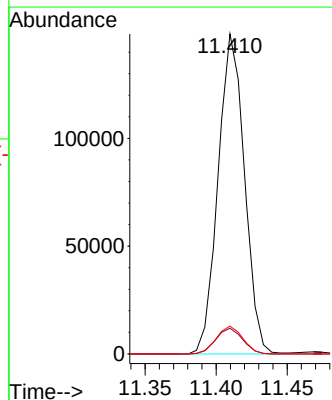
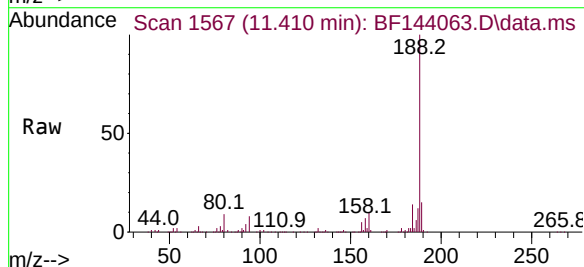
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

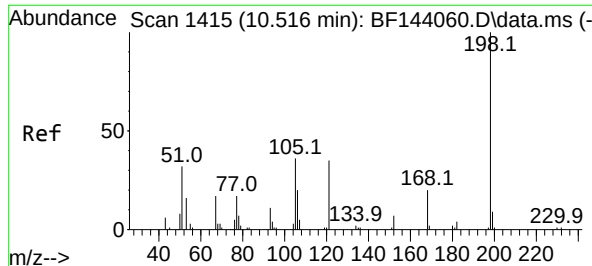
Tgt Ion: 77 Resp: 460222
Ion Ratio Lower Upper
77 100
182 27.0 9.0 49.0
105 19.6 1.4 41.4
51 39.4 16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion: 188 Resp: 191608
Ion Ratio Lower Upper
188 100
94 8.0 5.4 8.0
80 8.7 6.0 9.0





#65

4,6-Dinitro-2-methylphenol

Concen: 72.027 ng

RT: 10.522 min Scan# 1415

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

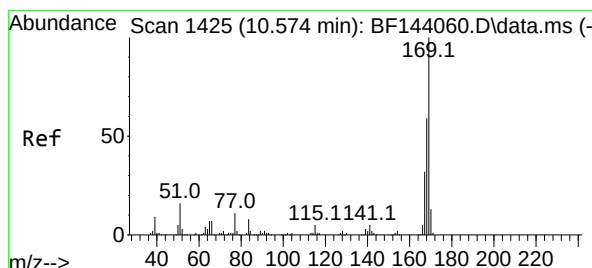
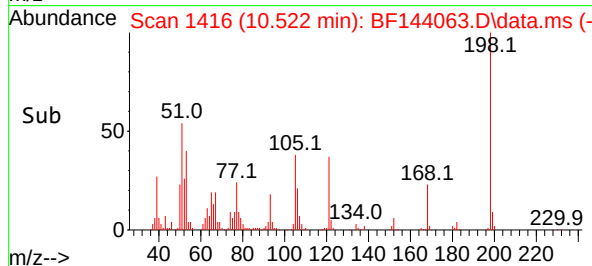
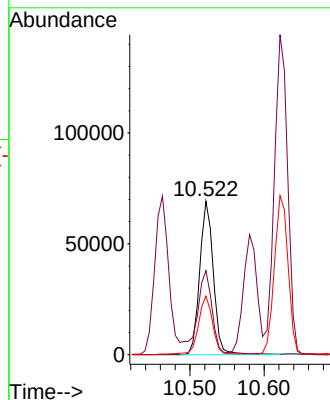
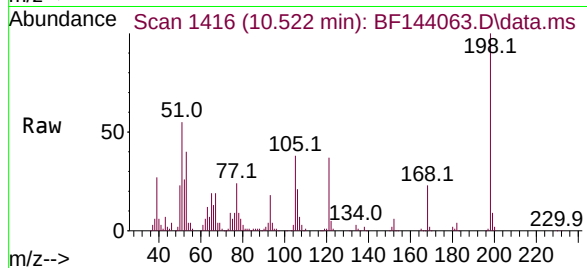
Tgt Ion:198 Resp: 88545

Ion Ratio Lower Upper

198 100

51 54.7 25.8 65.8

105 38.1 17.2 57.2



#66

n-Nitrosodiphenylamine

Concen: 67.908 ng

RT: 10.580 min Scan# 1426

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

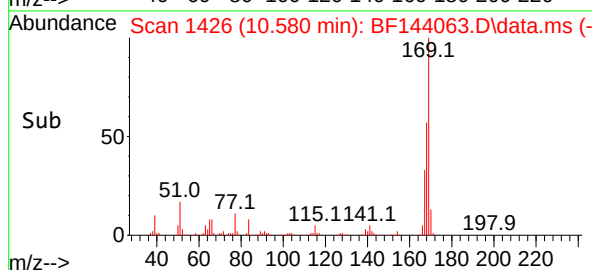
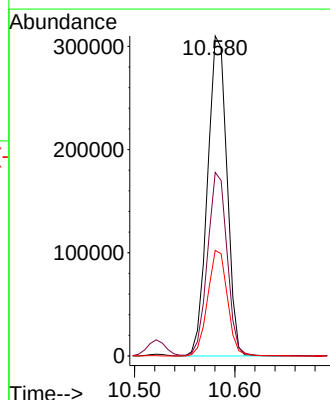
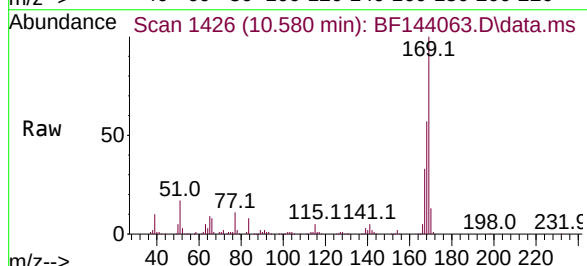
Tgt Ion:169 Resp: 415732

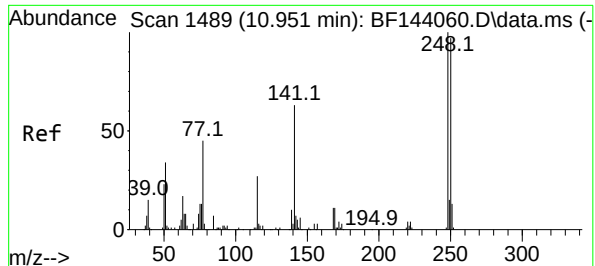
Ion Ratio Lower Upper

169 100

168 57.3 47.4 71.2

167 33.0 25.5 38.3

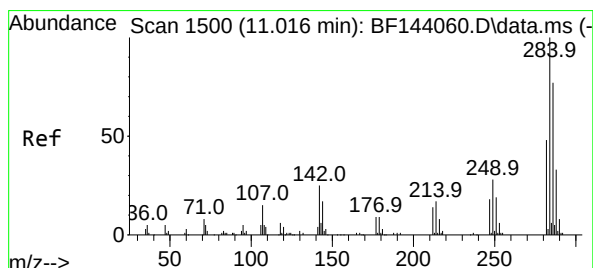
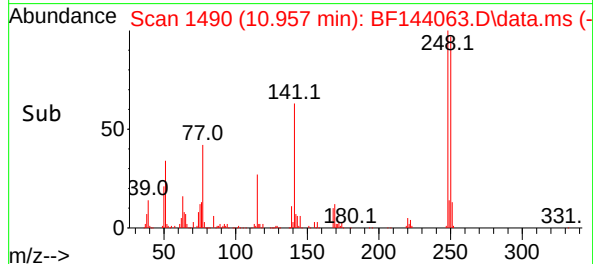
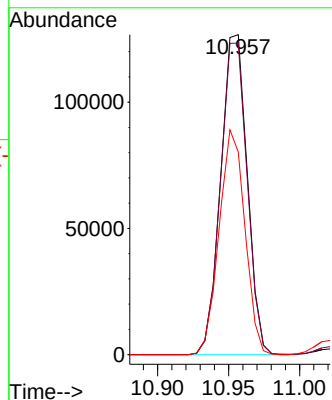
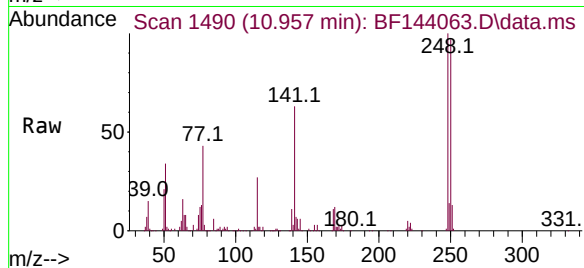




#67
4-Bromophenyl-phenylether
Concen: 68.643 ng
RT: 10.957 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

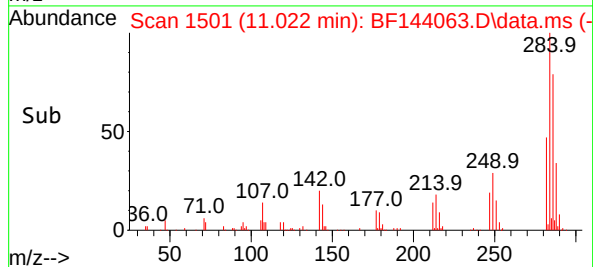
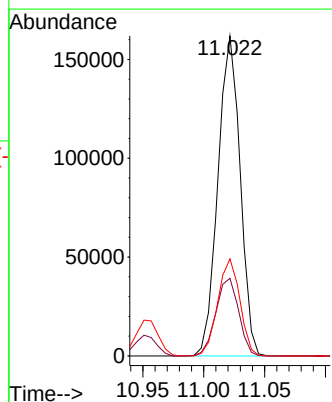
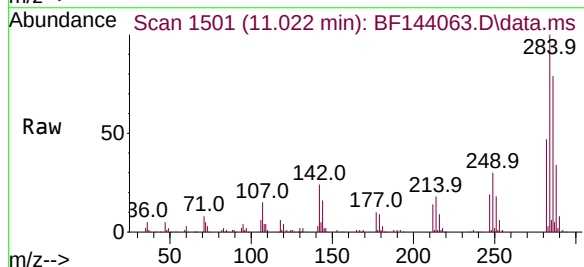
Instrument :
BNA_F
ClientSampleId :
SSTDIC080

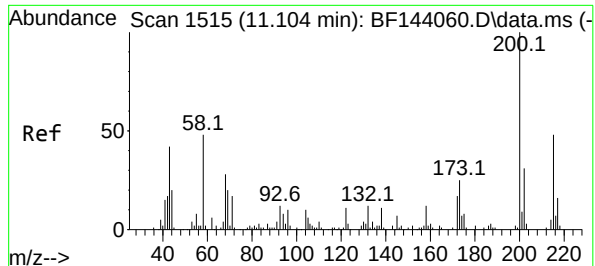
Tgt Ion:248 Resp: 164677
Ion Ratio Lower Upper
248 100
250 97.3 77.8 116.6
141 63.3 50.5 75.7



#68
Hexachlorobenzene
Concen: 69.766 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:284 Resp: 205267
Ion Ratio Lower Upper
284 100
142 24.2 20.0 30.0
249 30.3 22.2 33.2





#69

Atrazine

Concen: 64.536 ng

RT: 11.110 min Scan# 1516

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

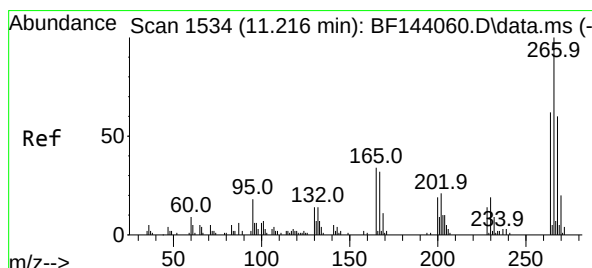
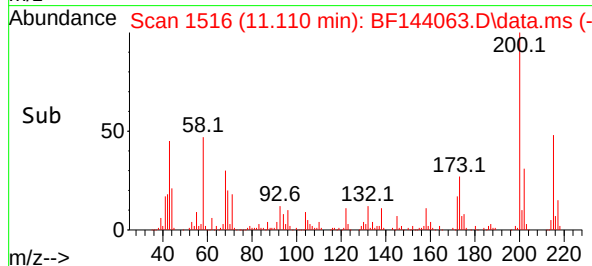
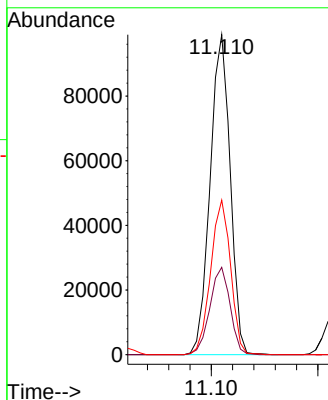
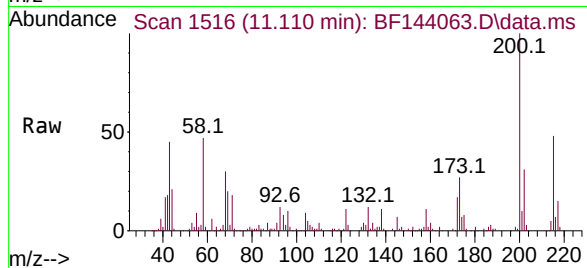
Tgt Ion:200 Resp: 129646

Ion Ratio Lower Upper

200 100

173 27.3 4.9 44.9

215 48.3 28.2 68.2



#70

Pentachlorophenol

Concen: 79.055 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

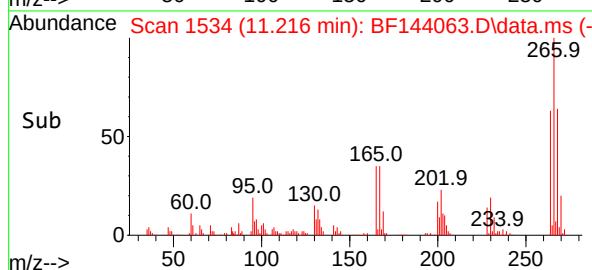
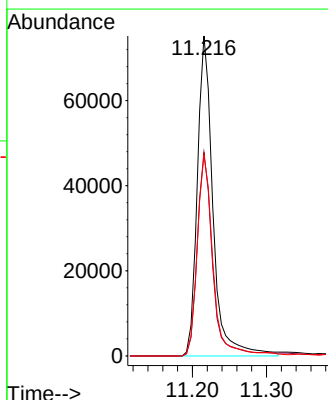
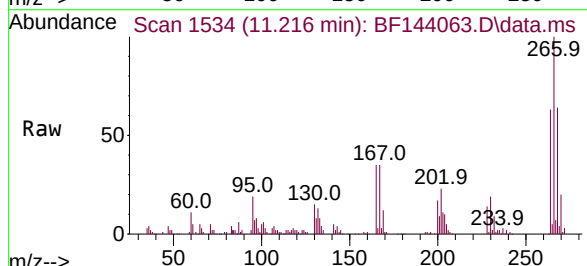
Tgt Ion:266 Resp: 110717

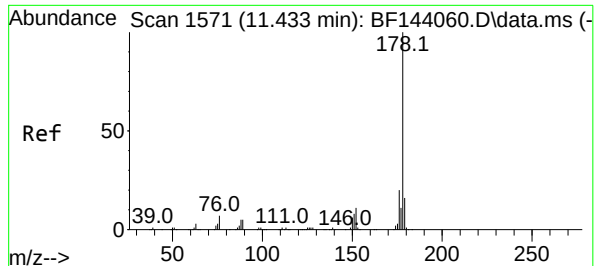
Ion Ratio Lower Upper

266 100

268 63.6 48.2 72.4

264 62.9 49.4 74.0

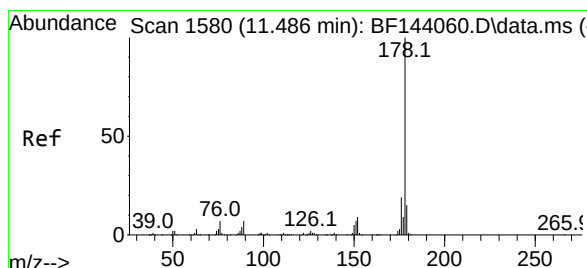
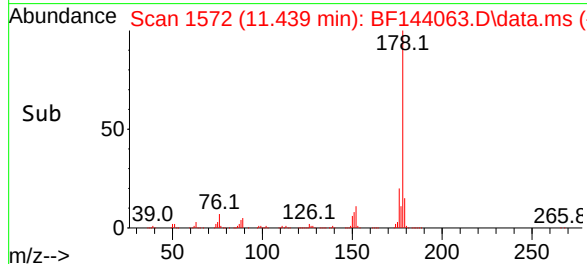
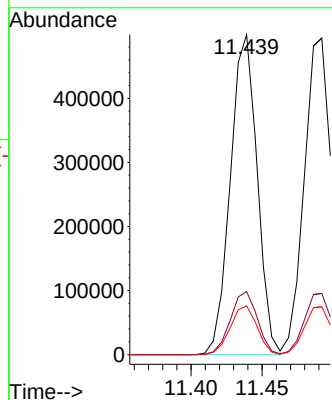
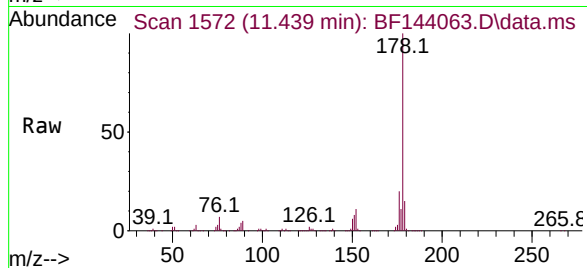




#71
Phenanthrene
Concen: 68.769 ng
RT: 11.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

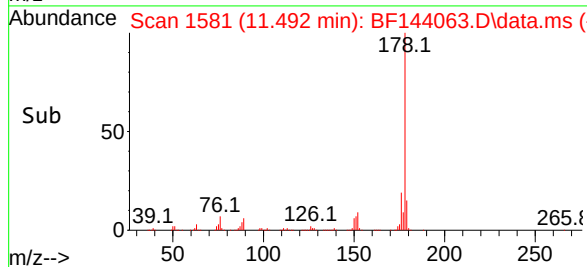
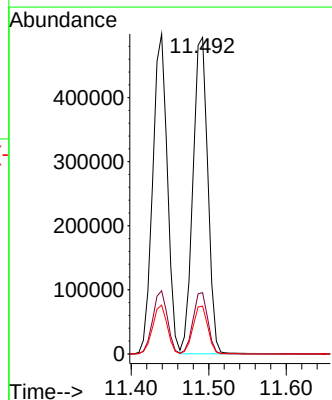
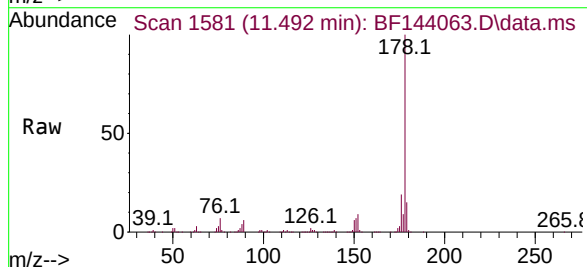
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

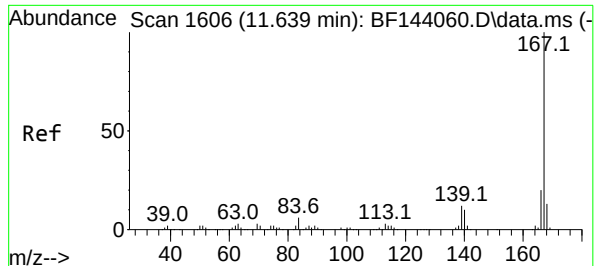
Tgt Ion:178 Resp: 654557
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 15.2 12.6 18.8



#72
Anthracene
Concen: 66.765 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:178 Resp: 656473
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.4
179 15.1 11.8 17.6

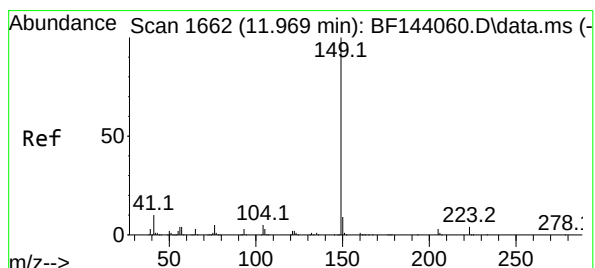
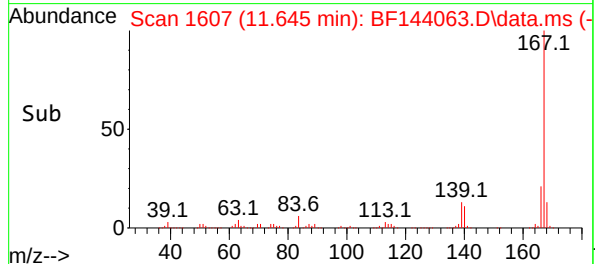
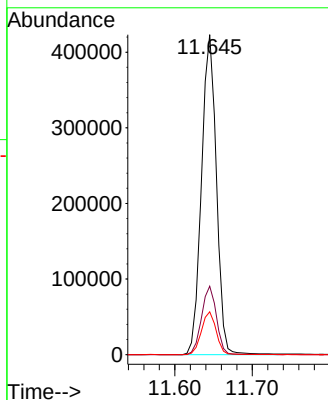
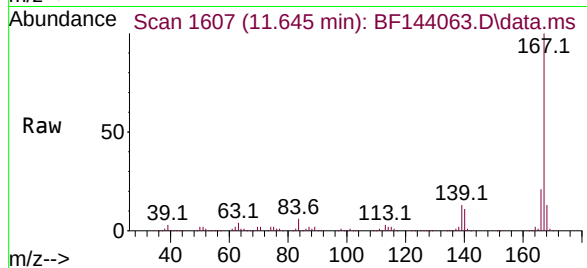




#73
Carbazole
Concen: 67.538 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

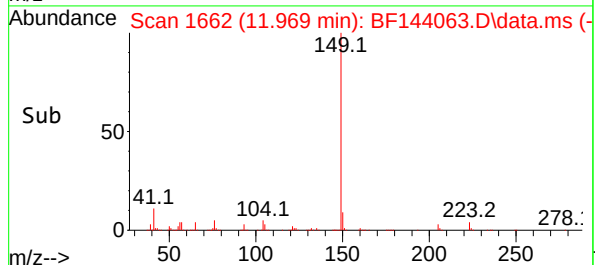
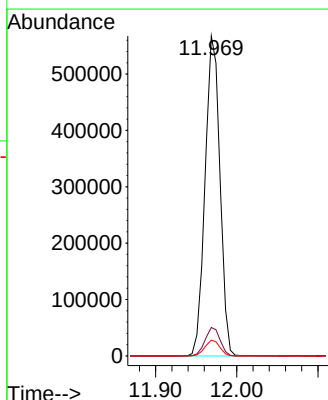
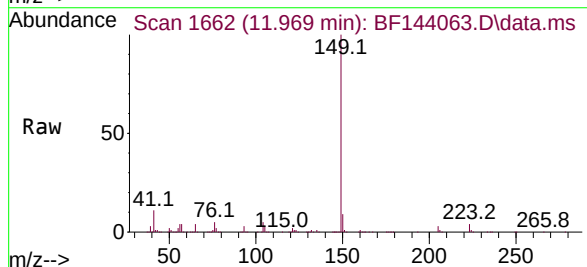
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

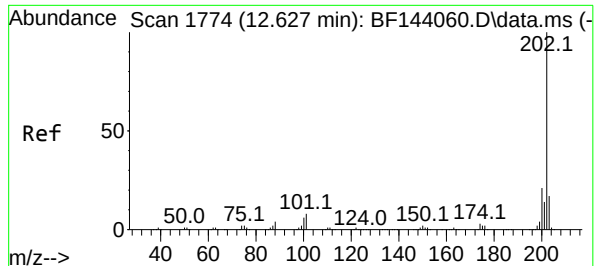
Tgt Ion:167 Resp: 565232
Ion Ratio Lower Upper
167 100
166 21.4 16.1 24.1
139 13.4 9.8 14.6



#74
Di-n-butylphthalate
Concen: 70.556 ng
RT: 11.969 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:149 Resp: 723962
Ion Ratio Lower Upper
149 100
150 8.9 7.3 10.9
104 4.9 3.6 5.4

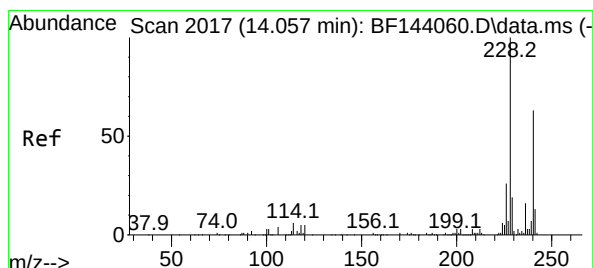
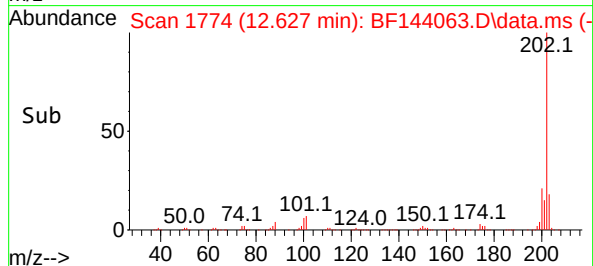
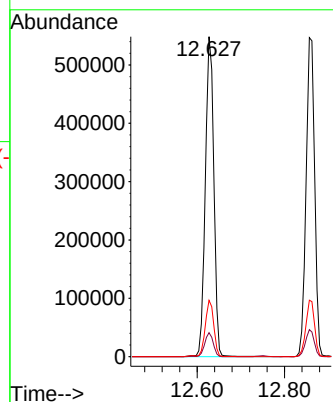
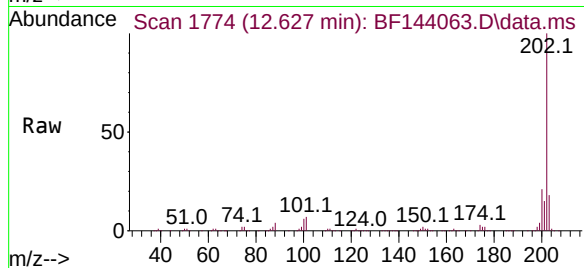




#75
Fluoranthene
Concen: 69.552 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

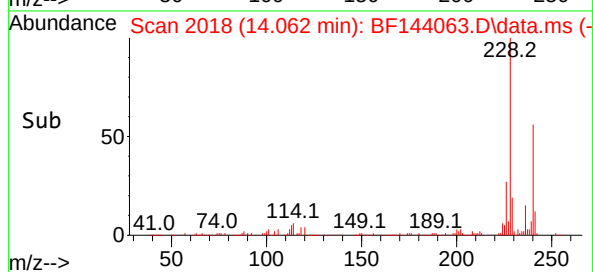
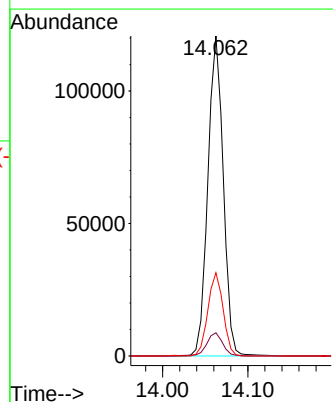
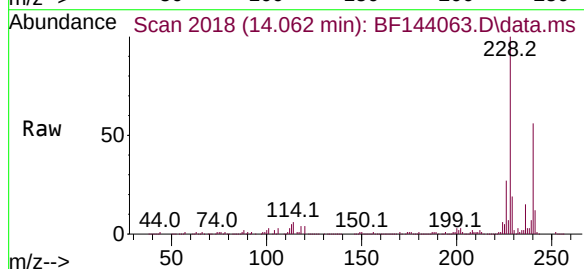
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

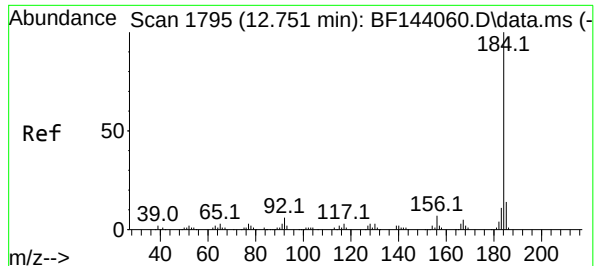
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	27.7
203	17.6	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.5	9.7
236	26.0	20.1	30.1





#77

Benzidine

Concen: 59.887 ng

RT: 12.751 min Scan# 1795

Delta R.T. -0.000 min

Lab File: BF144063.D

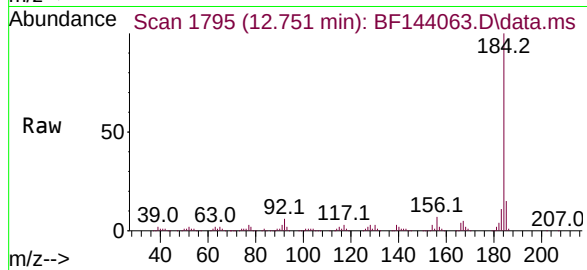
Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



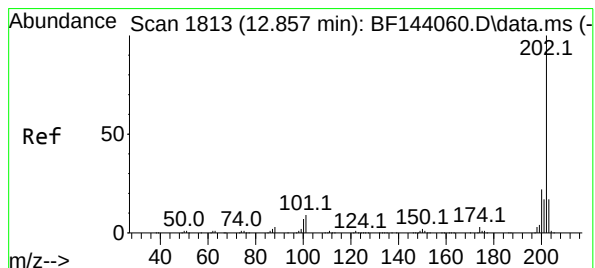
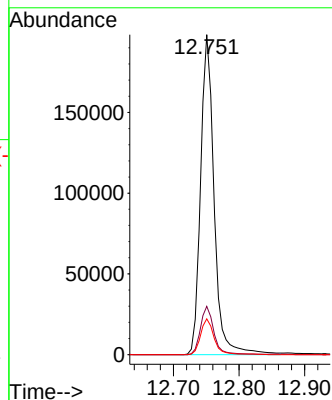
Tgt Ion:184 Resp: 282392

Ion Ratio Lower Upper

184 100

185 15.1 11.6 17.4

183 11.2 8.5 12.7



#78

Pyrene

Concen: 68.794 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

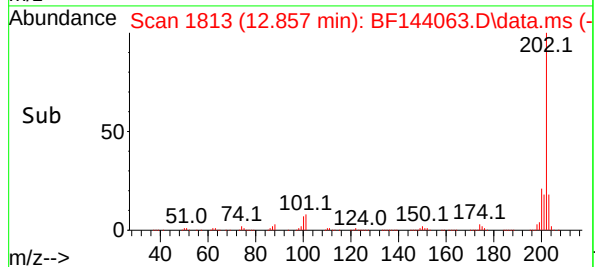
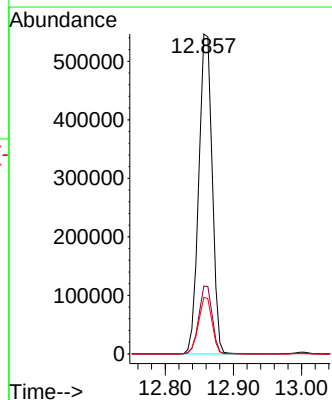
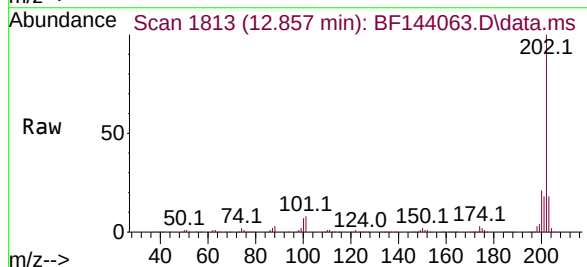
Tgt Ion:202 Resp: 749362

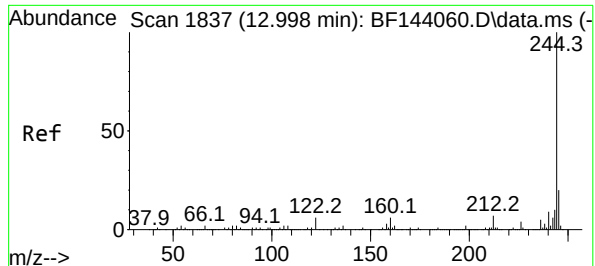
Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

203 17.7 13.5 20.3





#79

Terphenyl-d14

Concen: 142.390 ng

RT: 13.004 min Scan# 1838

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

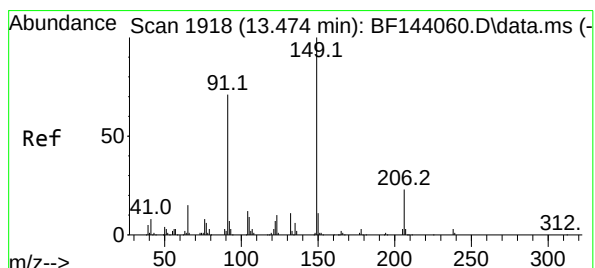
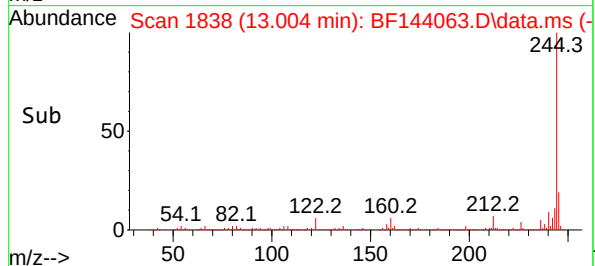
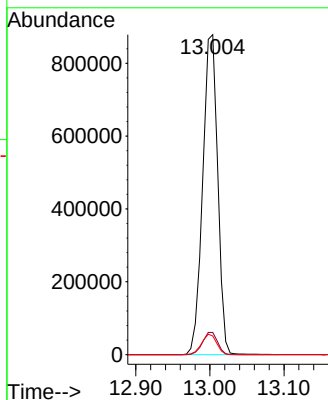
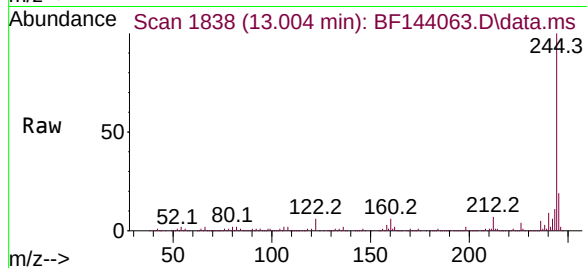
Tgt Ion:244 Resp: 1234056

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 5.8 4.9 7.3



#80

Butylbenzylphthalate

Concen: 73.645 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

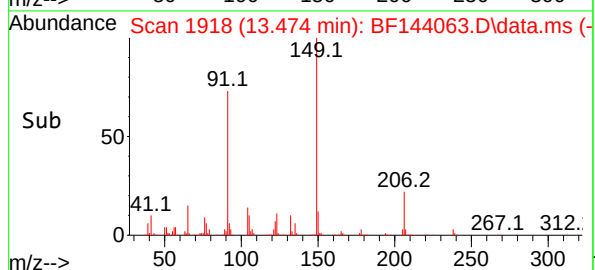
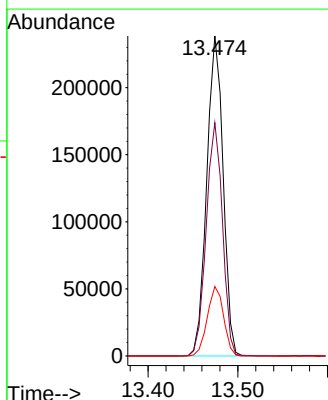
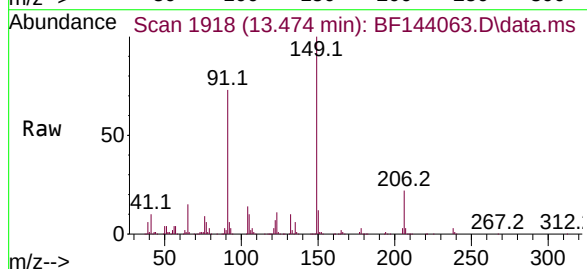
Tgt Ion:149 Resp: 303486

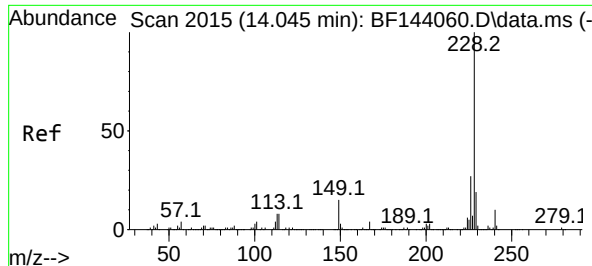
Ion Ratio Lower Upper

149 100

91 72.9 56.6 84.8

206 21.7 18.3 27.5

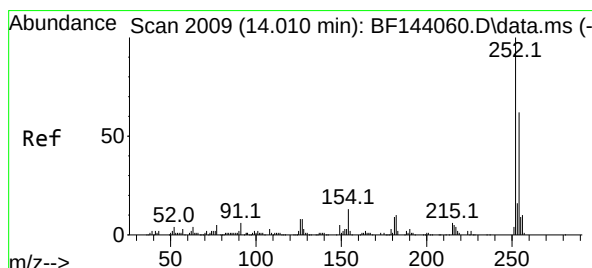
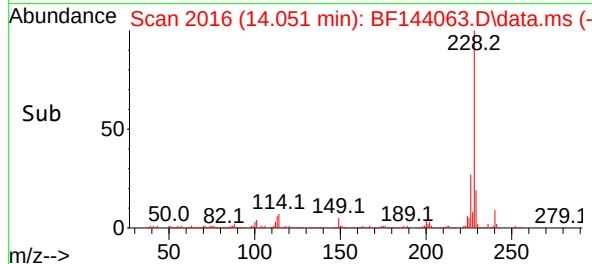
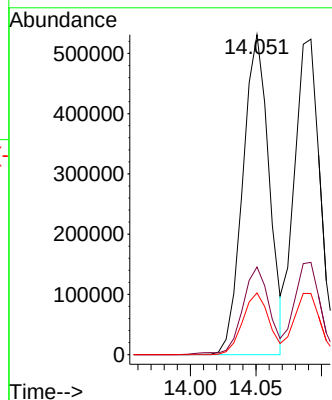
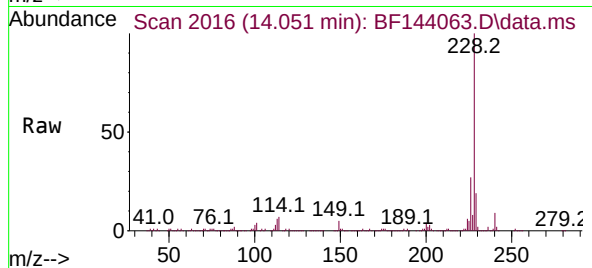




#81
Benzo(a)anthracene
Concen: 72.564 ng
RT: 14.051 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

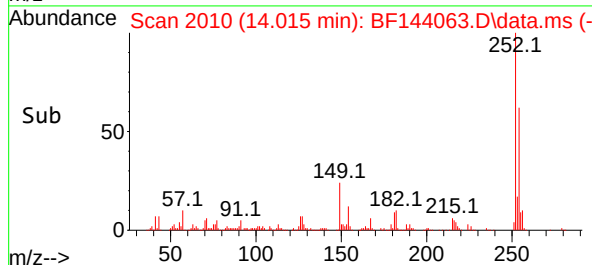
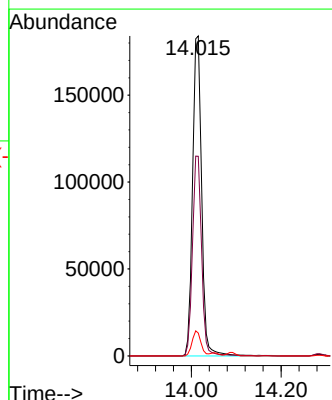
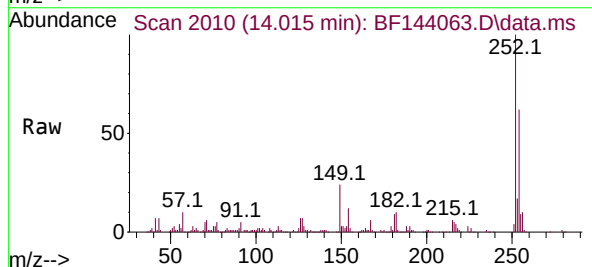
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

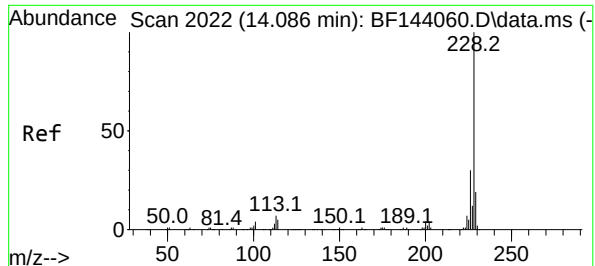
Tgt Ion:228 Resp: 743007
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 19.3 15.3 22.9



#82
3,3'-Dichlorobenzidine
Concen: 72.536 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:252 Resp: 258546
Ion Ratio Lower Upper
252 100
254 62.4 49.9 74.9
126 7.1 6.5 9.7





#83

Chrysene

Concen: 73.777 ng

RT: 14.092 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

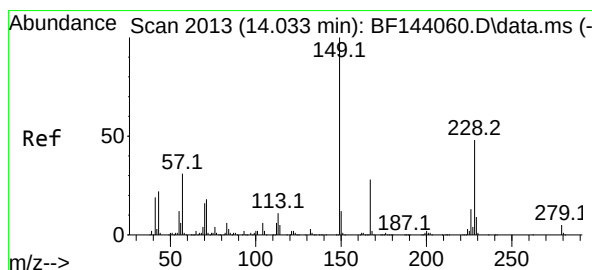
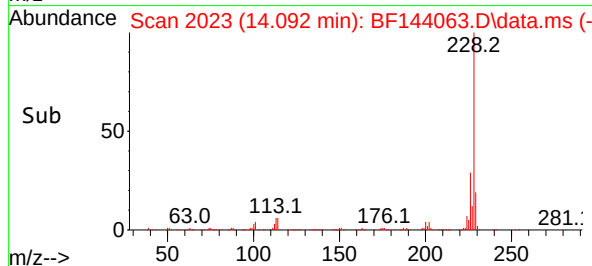
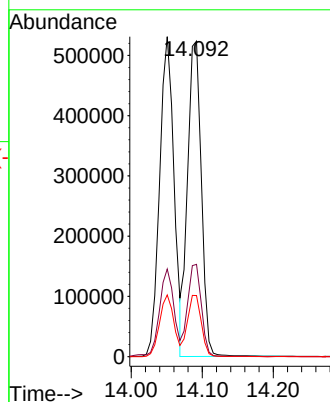
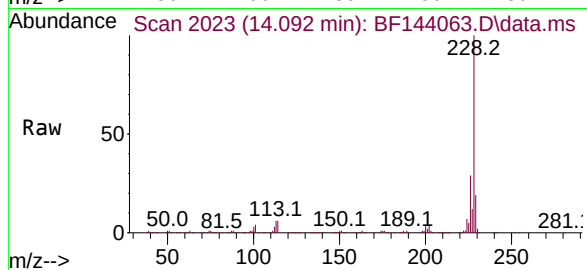
Tgt Ion:228 Resp: 708889

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.6

229 19.4 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 72.226 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.000 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

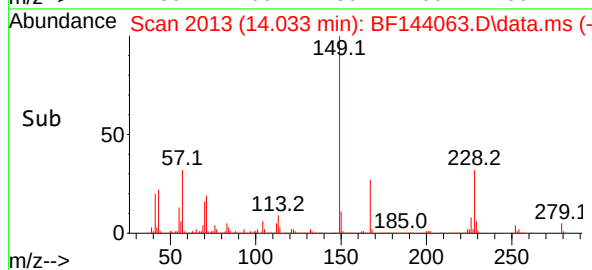
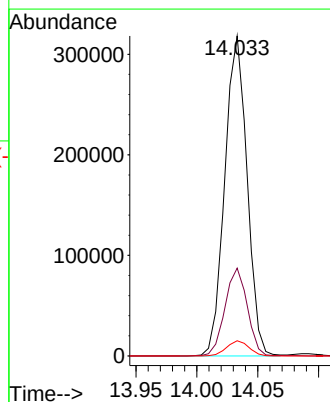
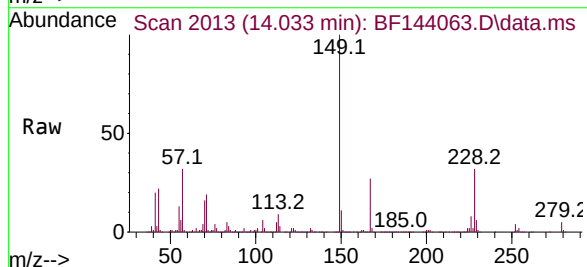
Tgt Ion:149 Resp: 406325

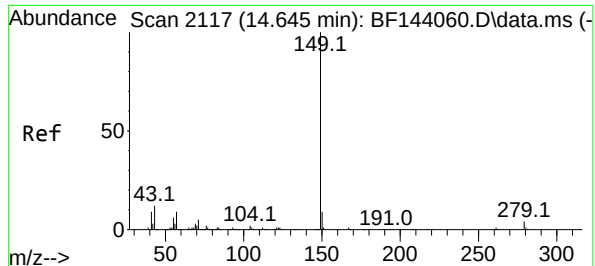
Ion Ratio Lower Upper

149 100

167 27.4 22.5 33.7

279 4.7 3.6 5.4

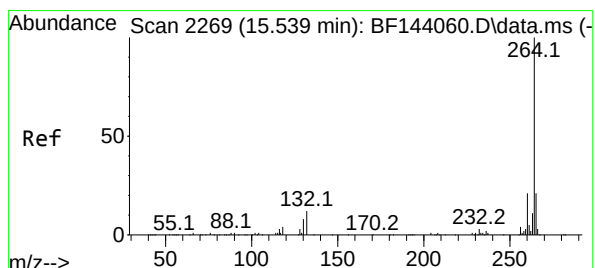
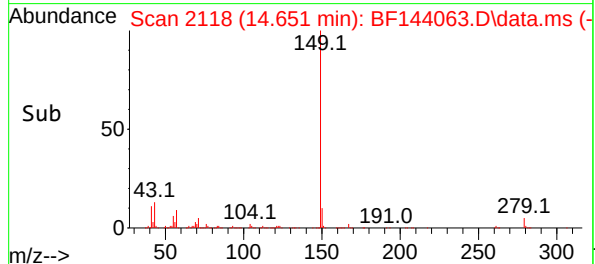
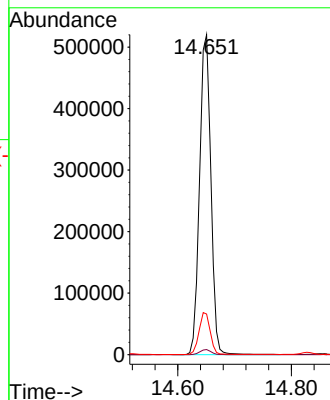
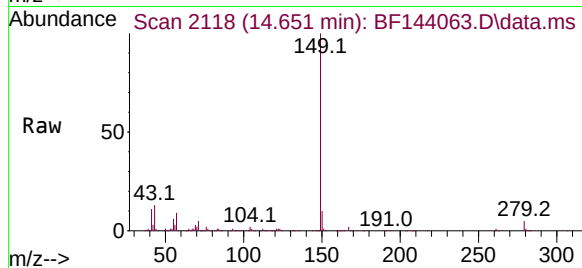




#85
Di-n-octyl phthalate
Concen: 73.894 ng
RT: 14.651 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

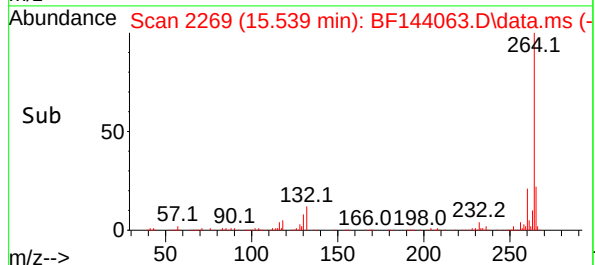
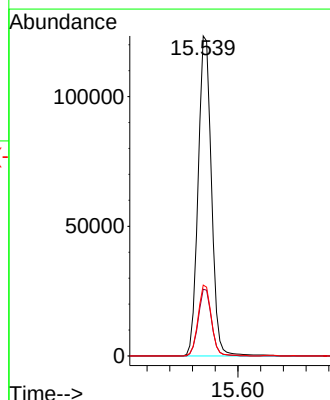
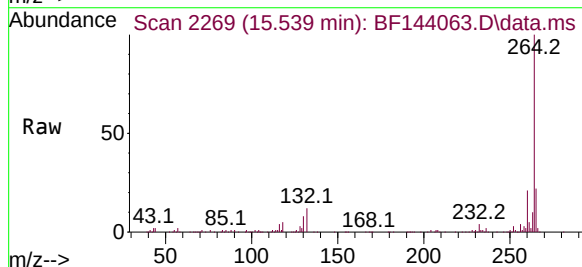
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

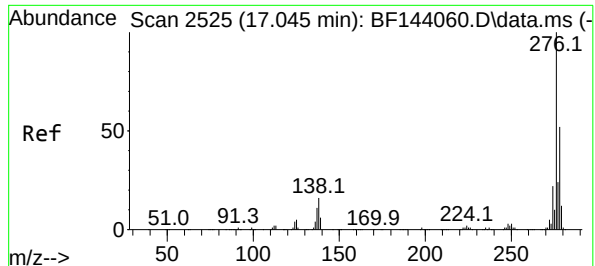
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	13.2	9.3	13.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	20.8	17.0	25.4
265	22.1	16.6	24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 73.561 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

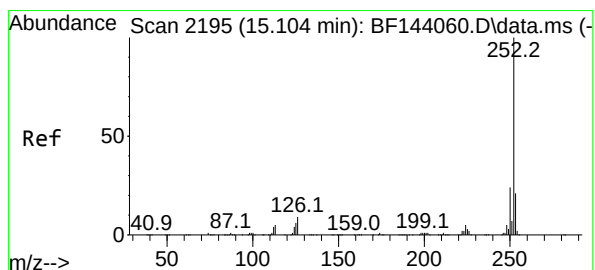
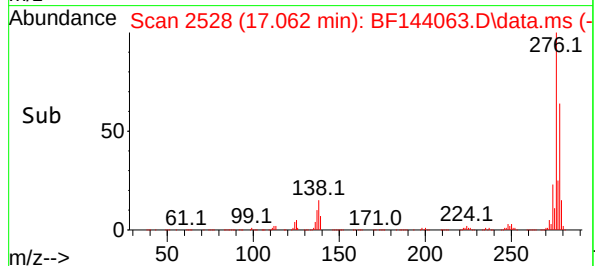
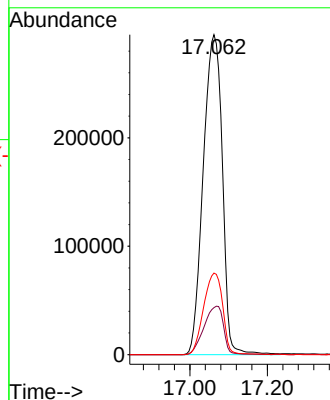
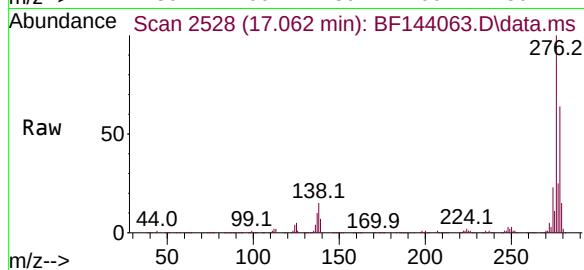
Tgt Ion:276 Resp: 1010103

Ion Ratio Lower Upper

276 100

138 15.6 13.0 19.6

277 25.4 19.4 29.0



#88

Benzo(b)fluoranthene

Concen: 74.302 ng

RT: 15.109 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

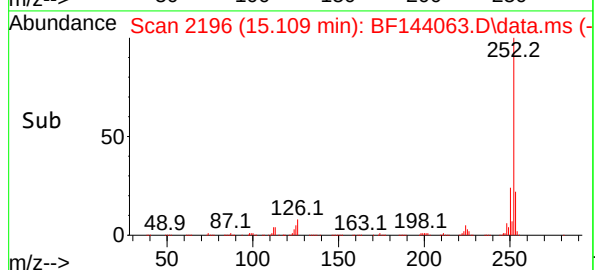
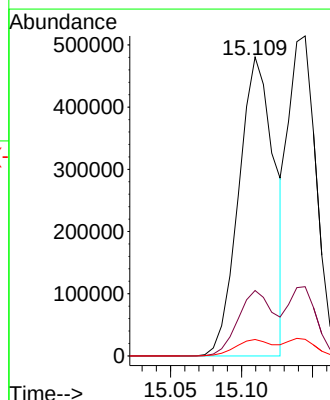
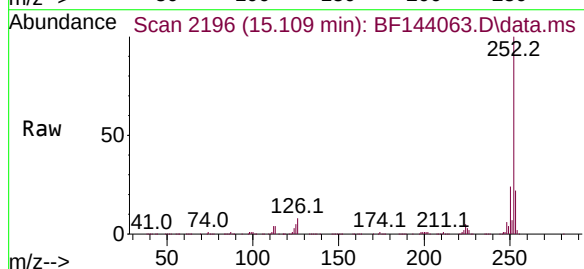
Tgt Ion:252 Resp: 840121

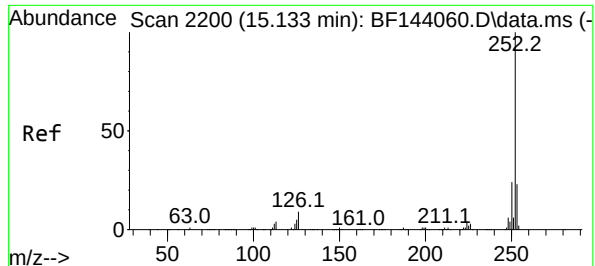
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 5.5 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 67.953 ng

RT: 15.145 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

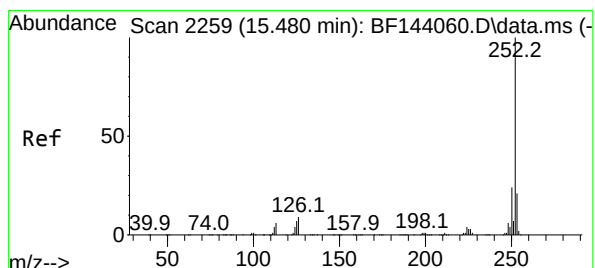
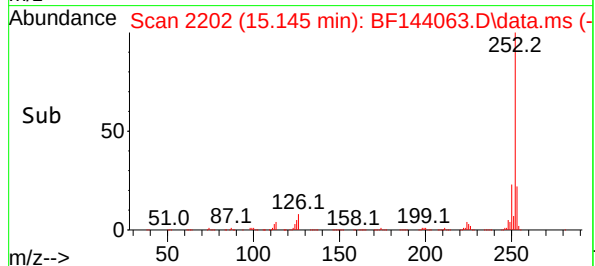
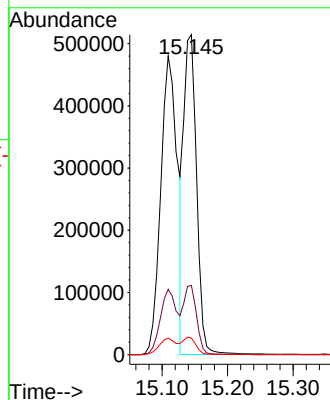
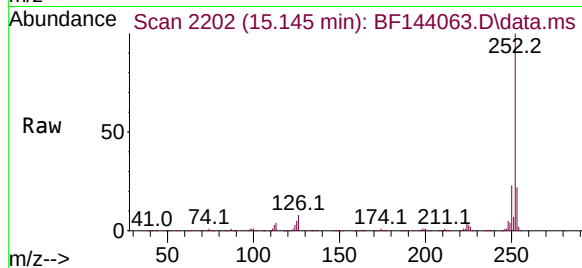
Tgt Ion:252 Resp: 708890

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 5.2 4.9 7.3



#90

Benzo(a)pyrene

Concen: 71.704 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.006 min

Lab File: BF144063.D

Acq: 24 Oct 2025 14:32

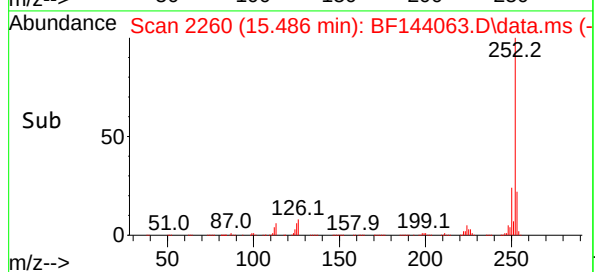
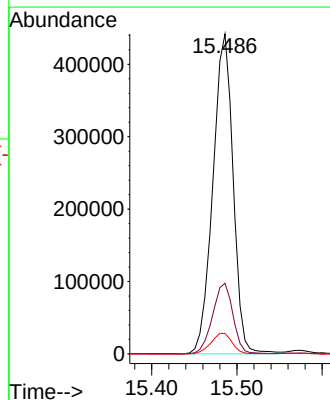
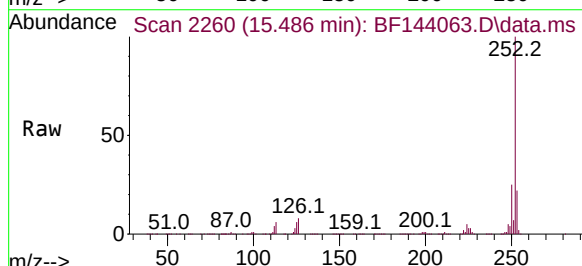
Tgt Ion:252 Resp: 727345

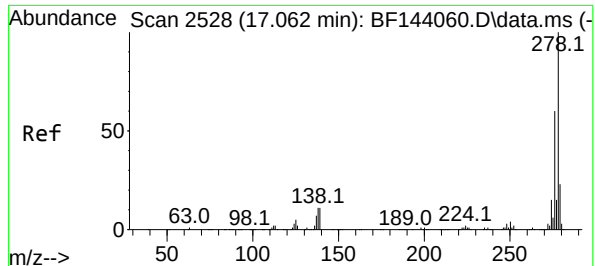
Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 6.4 5.4 8.2

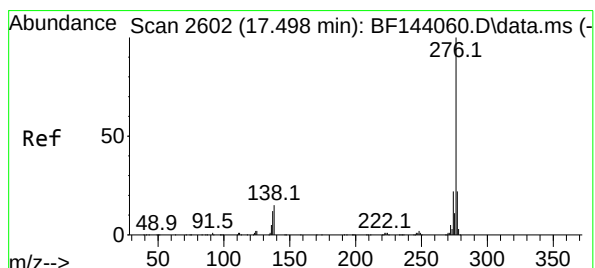
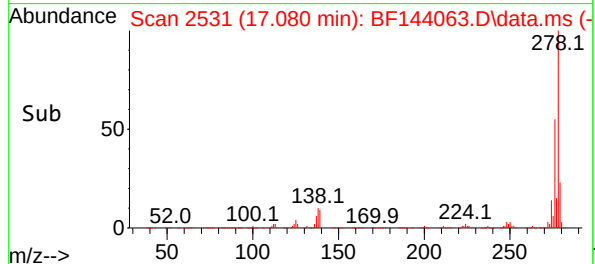
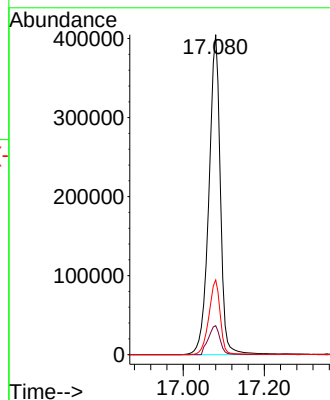
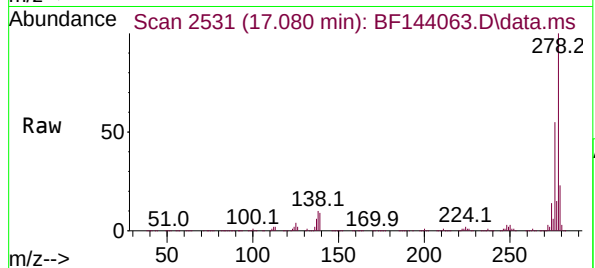




#91
Dibenzo(a,h)anthracene
Concen: 73.369 ng
RT: 17.080 min Scan# 2528
Delta R.T. 0.018 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

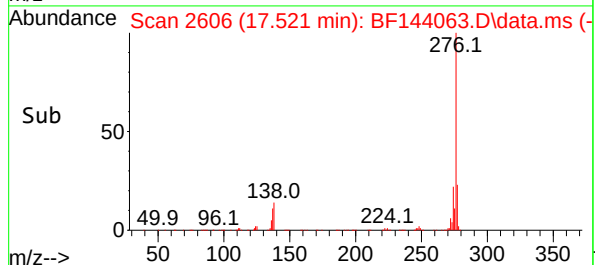
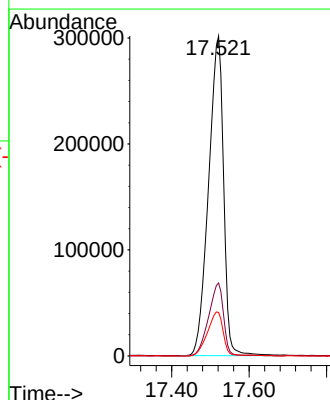
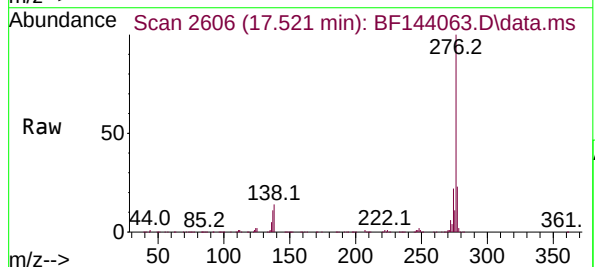
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 797474
Ion Ratio Lower Upper
278 100
139 9.0 8.5 12.7
279 23.3 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 74.269 ng
RT: 17.521 min Scan# 2606
Delta R.T. 0.024 min
Lab File: BF144063.D
Acq: 24 Oct 2025 14:32

Tgt Ion:276 Resp: 811620
Ion Ratio Lower Upper
276 100
277 22.8 17.9 26.9
138 13.6 12.0 18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144064.D
Acq On : 24 Oct 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 24 17:06:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:52:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	40936	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	144864	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	76683	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	132038	20.000	ng	0.00
76) Chrysene-d12	14.062	240	106050	20.000	ng	0.00
86) Perylene-d12	15.539	264	140075	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	324791	125.526	ng	0.00
7) Phenol-d6	6.510	99	346692	121.325	ng	0.00
23) Nitrobenzene-d5	7.445	82	341936	129.319	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	132798	135.953	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	677674	124.361	ng	0.00
79) Terphenyl-d14	12.998	244	789728	130.186	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	70224	62.807	ng	98
3) Pyridine	3.398	79	196981	65.807	ng	97
4) n-Nitrosodimethylamine	3.351	42	124870	67.890	ng	95
6) Aniline	6.545	93	251710	61.571	ng	99
8) 2-Chlorophenol	6.663	128	154530	60.645	ng	97
9) Benzaldehyde	6.434	77	172641	77.814	ng	98
10) Phenol	6.522	94	211848	60.092	ng	92
11) bis(2-Chloroethyl)ether	6.616	93	157748	61.925	ng	100
12) 1,3-Dichlorobenzene	6.822	146	192311	61.183	ng	96
13) 1,4-Dichlorobenzene	6.898	146	193362	62.421	ng	99
14) 1,2-Dichlorobenzene	7.051	146	186696	62.289	ng	99
15) Benzyl Alcohol	7.022	79	150113	64.606	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	284081	59.335	ng	98
17) 2-Methylphenol	7.128	107	120515	61.494	ng	97
18) Hexachloroethane	7.392	117	73031	65.943	ng	92
19) n-Nitroso-di-n-propyla...	7.292	70	115863	62.701	ng	99
20) 3+4-Methylphenols	7.286	107	142326	61.433	ng	# 85
22) Acetophenone	7.292	105	198031	63.255	ng	99
24) Nitrobenzene	7.463	77	181356	64.837	ng	96
25) Isophorone	7.704	82	298273	64.523	ng	99
26) 2-Nitrophenol	7.781	139	84384	63.417	ng	92
27) 2,4-Dimethylphenol	7.810	122	127412	64.435	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	180863	62.737	ng	98
29) 2,4-Dichlorophenol	8.022	162	142524	61.979	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	151390	63.994	ng	97
31) Naphthalene	8.186	128	427166	62.477	ng	99
32) Benzoic acid	7.928	122	73142	58.314	ng	85
33) 4-Chloroaniline	8.233	127	149397	62.767	ng	98
34) Hexachlorobutadiene	8.298	225	128615	66.488	ng	98
35) Caprolactam	8.604	113	37413	64.879	ng	89
36) 4-Chloro-3-methylphenol	8.710	107	128805	63.473	ng	94
37) 2-Methylnaphthalene	8.875	142	276923	61.432	ng	96
38) 1-Methylnaphthalene	8.975	142	265532	62.174	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	164703	62.495	ng	99
41) Hexachlorocyclopentadiene	9.027	237	62879	77.248	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	111523	65.103	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144064.D
 Acq On : 24 Oct 2025 16:24
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Oct 24 17:06:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:52:41 2025
 Response via : Initial Calibration

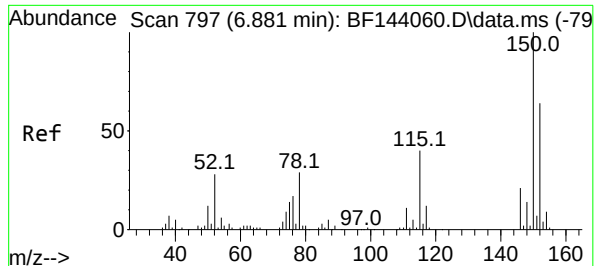
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	117536	65.377	ng	96
46) 1,1'-Biphenyl	9.339	154	338254	61.621	ng	100
47) 2-Chloronaphthalene	9.369	162	287490	62.514	ng	99
48) 2-Nitroaniline	9.463	65	91867	67.272	ng	97
49) Acenaphthylene	9.780	152	383800	61.895	ng	99
50) Dimethylphthalate	9.633	163	319101	63.485	ng	100
51) 2,6-Dinitrotoluene	9.704	165	66198	66.619	ng	97
52) Acenaphthene	9.957	154	258125	62.331	ng	98
53) 3-Nitroaniline	9.874	138	69206	62.642	ng	93
54) 2,4-Dinitrophenol	9.980	184	31982	59.508	ng	88
55) Dibenzofuran	10.127	168	353228	61.440	ng	99
56) 4-Nitrophenol	10.033	139	46485	62.136	ng	95
57) 2,4-Dinitrotoluene	10.104	165	89630	66.833	ng	94
58) Fluorene	10.469	166	267202	60.997	ng	96
59) 2,3,4,6-Tetrachlorophenol	10.245	232	84250	66.502	ng	# 96
60) Diethylphthalate	10.339	149	303176	64.138	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	155019	62.927	ng	99
62) 4-Nitroaniline	10.486	138	68899	65.819	ng	90
63) Azobenzene	10.621	77	288180	64.412	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	52340	61.785	ng	91
66) n-Nitrosodiphenylamine	10.580	169	261183	61.911	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	106864	64.641	ng	97
68) Hexachlorobenzene	11.021	284	129804	64.021	ng	98
69) Atrazine	11.104	200	93028	67.200	ng	96
70) Pentachlorophenol	11.216	266	66439	68.842	ng	98
71) Phenanthrene	11.433	178	413305	63.013	ng	98
72) Anthracene	11.486	178	421890	62.266	ng	99
73) Carbazole	11.645	167	359155	62.276	ng	97
74) Di-n-butylphthalate	11.968	149	449708	63.601	ng	99
75) Fluoranthene	12.627	202	462087	63.767	ng	99
77) Benzidine	12.751	184	250383	75.863	ng	99
78) Pyrene	12.857	202	483140	63.369	ng	99
80) Butylbenzylphthalate	13.474	149	189412	65.668	ng	99
81) Benzo(a)anthracene	14.051	228	474589	66.219	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	168368	67.487	ng	99
83) Chrysene	14.086	228	434514	64.608	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	258560	65.663	ng	99
85) Di-n-octyl phthalate	14.645	149	439771	64.942	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	630927	65.606	ng	98
88) Benzo(b)fluoranthene	15.109	252	483612	61.071	ng	98
89) Benzo(k)fluoranthene	15.139	252	486238	66.551	ng	99
90) Benzo(a)pyrene	15.480	252	456250	64.222	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	502376	65.994	ng	99
92) Benzo(g,h,i)perylene	17.509	276	500846	65.439	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

- 1
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- 17
- 18

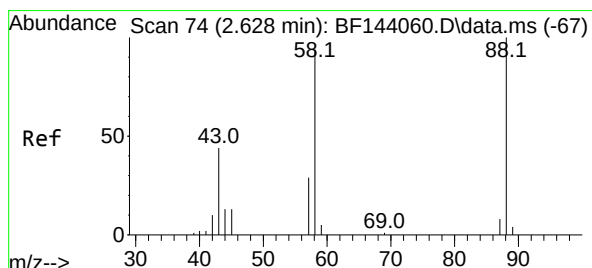
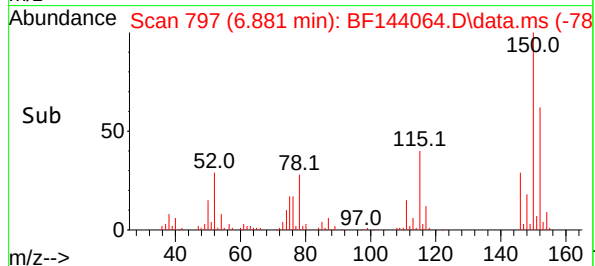
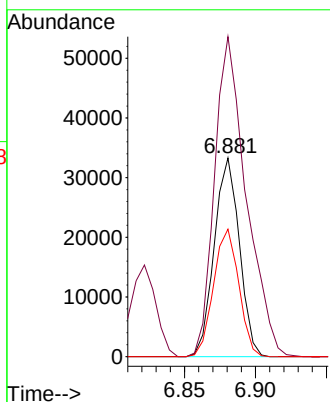
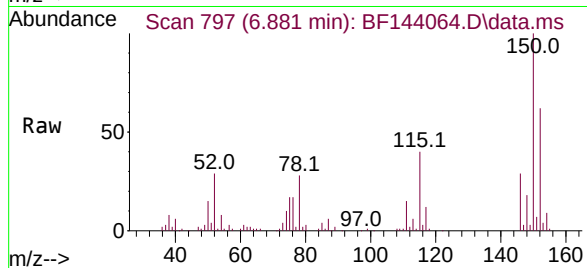




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

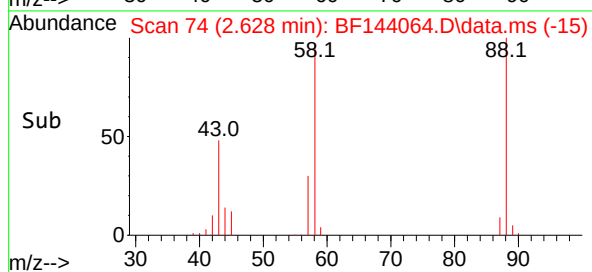
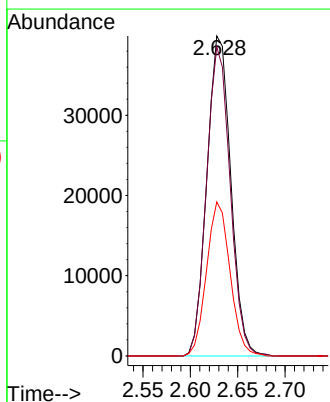
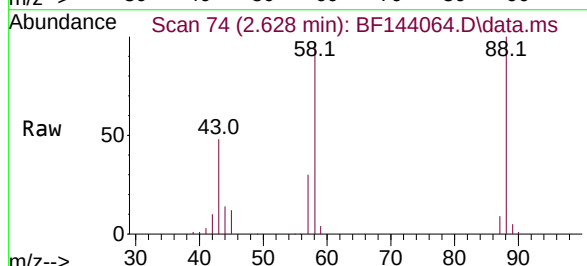
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

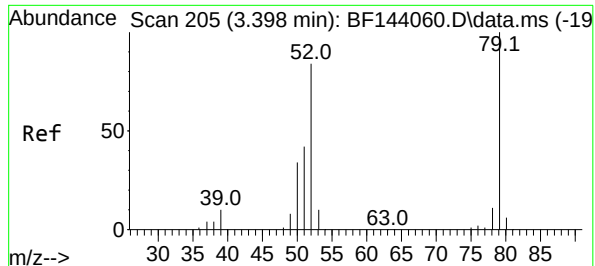
Tgt Ion:152 Resp: 40936
Ion Ratio Lower Upper
152 100
150 161.1 124.4 186.6
115 64.2 49.4 74.0



#2
1,4-Dioxane
Concen: 62.807 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 88 Resp: 70224
Ion Ratio Lower Upper
88 100
58 95.3 76.5 114.7
43 47.2 35.3 52.9

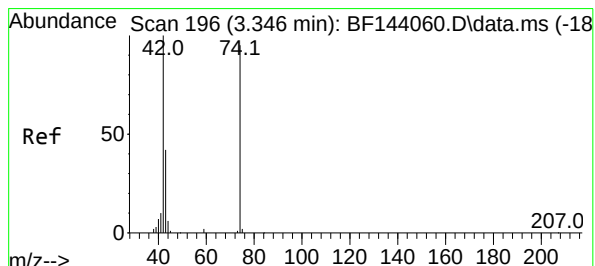
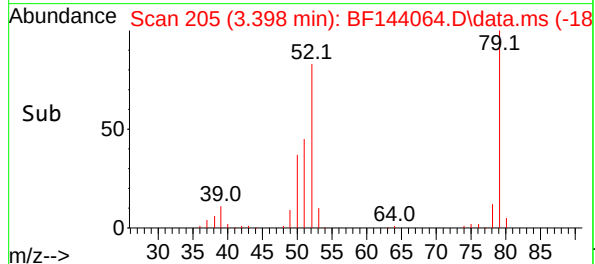
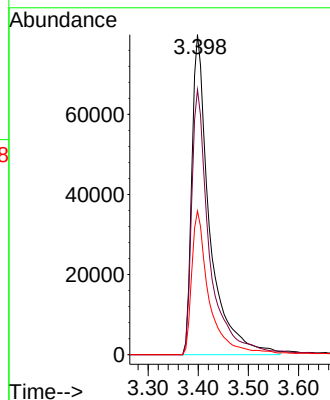
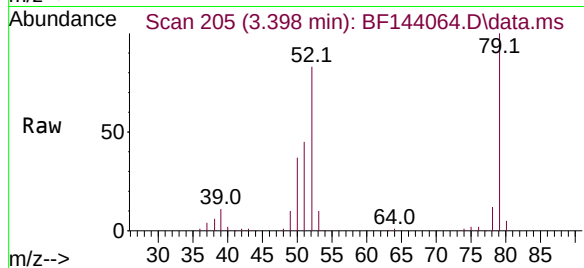




#3
Pyridine
Concen: 65.807 ng
RT: 3.398 min Scan# 205
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

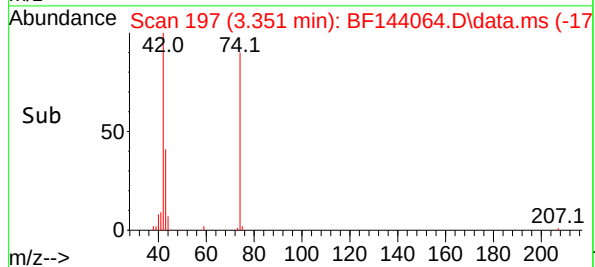
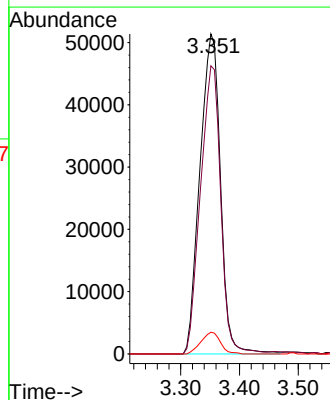
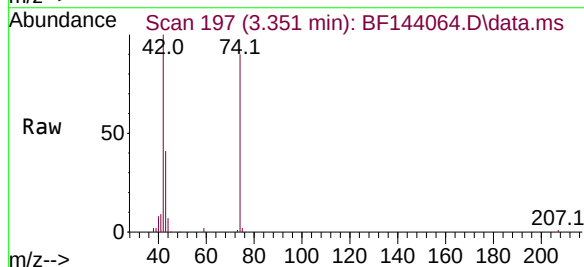
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

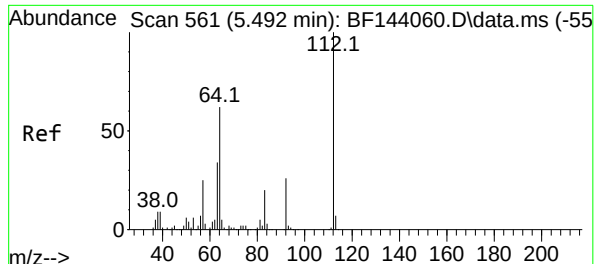
Tgt Ion: 79 Resp: 196981
Ion Ratio Lower Upper
79 100
52 82.8 67.5 101.3
51 44.9 33.6 50.4



#4
n-Nitrosodimethylamine
Concen: 67.890 ng
RT: 3.351 min Scan# 197
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 42 Resp: 124870
Ion Ratio Lower Upper
42 100
74 90.0 76.4 114.6
44 6.8 5.2 7.8

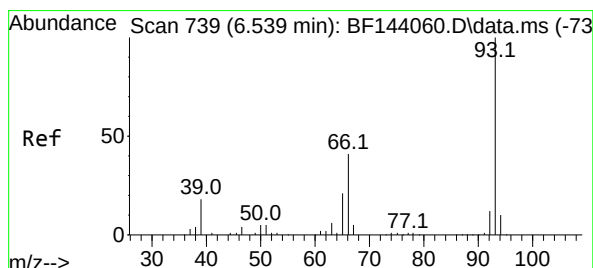
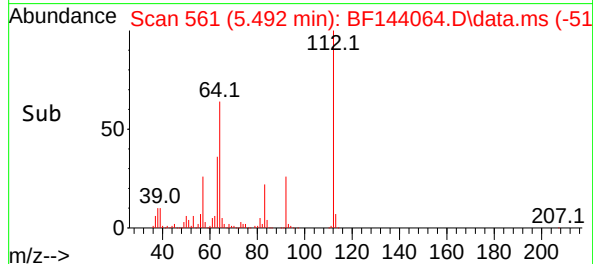
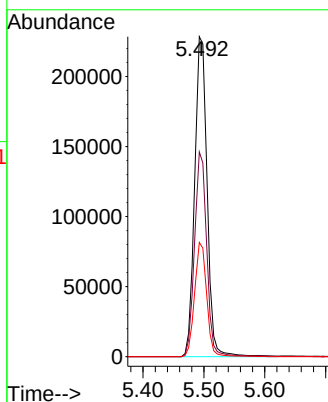
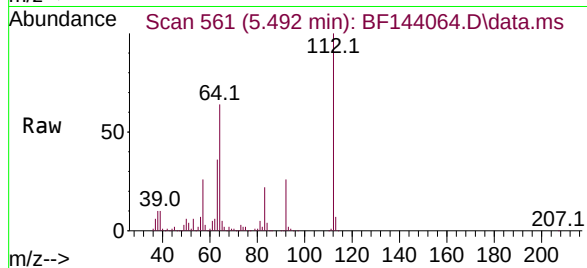




#5
2-Fluorophenol
Concen: 125.526 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

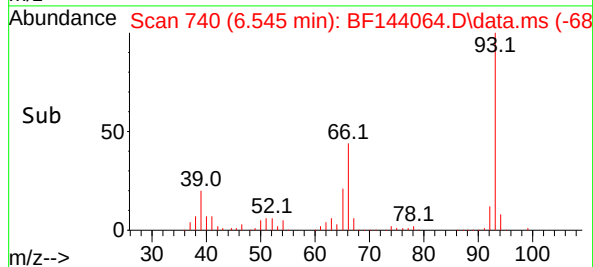
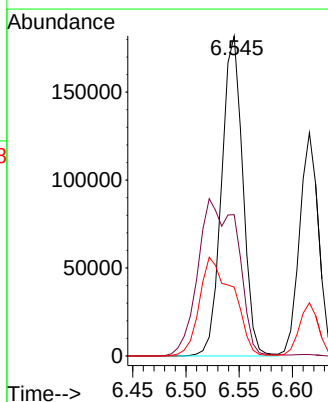
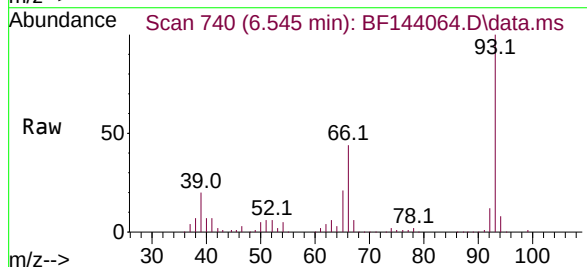
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

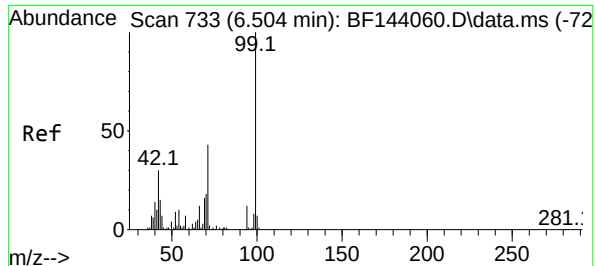
Tgt Ion:112 Resp: 324791
Ion Ratio Lower Upper
112 100
64 64.0 49.8 74.8
63 35.7 27.4 41.2



#6
Aniline
Concen: 61.571 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 93 Resp: 251710
Ion Ratio Lower Upper
93 100
66 44.1 35.7 53.5
65 21.5 17.0 25.6





#7

Phenol-d6

Concen: 121.325 ng

RT: 6.510 min Scan# 733

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

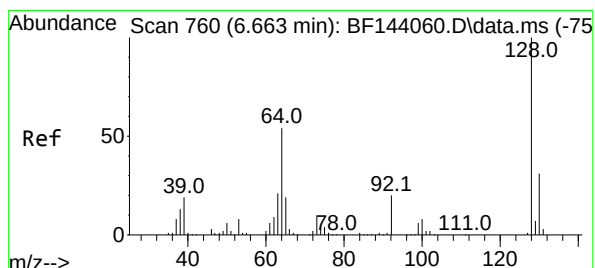
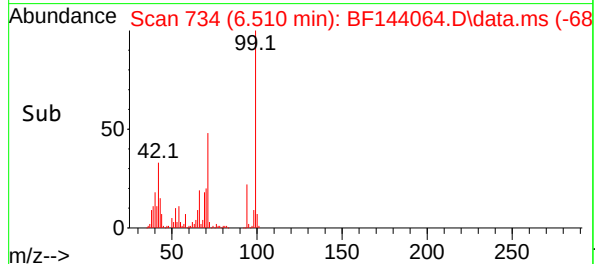
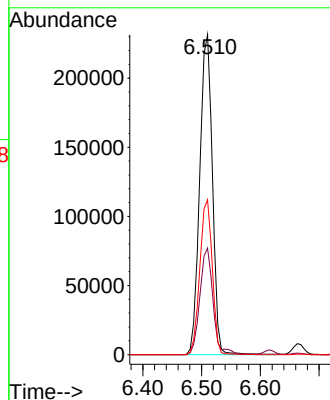
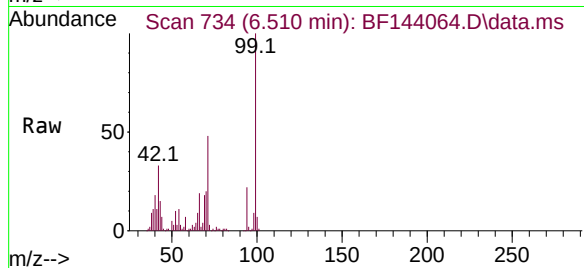
Tgt Ion: 99 Resp: 346692

Ion Ratio Lower Upper

99 100

42 33.3 23.9 35.9

71 48.4 34.4 51.6



#8

2-Chlorophenol

Concen: 60.645 ng

RT: 6.663 min Scan# 760

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

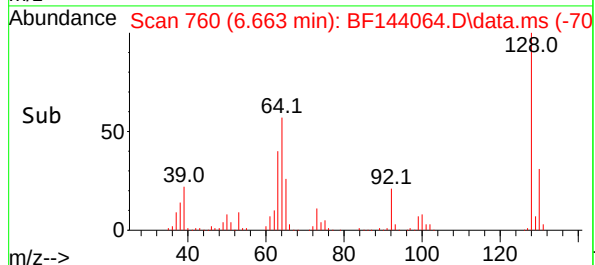
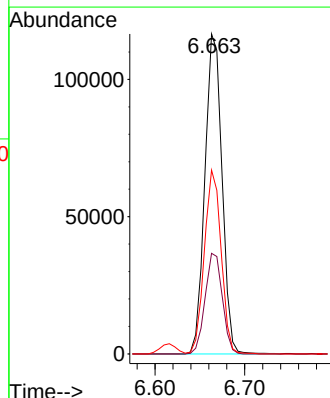
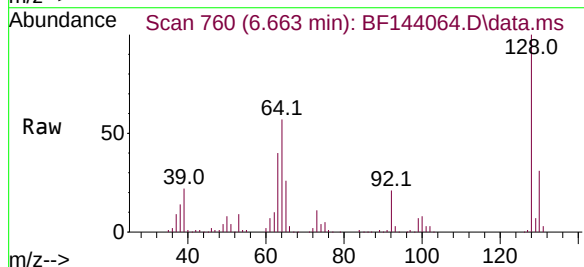
Tgt Ion: 128 Resp: 154530

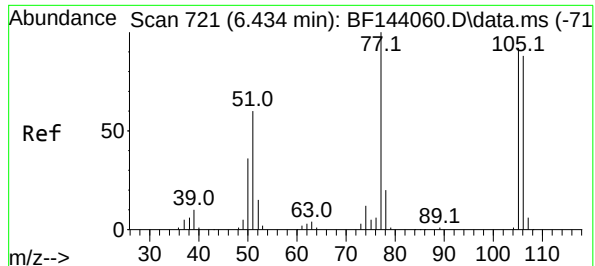
Ion Ratio Lower Upper

128 100

130 31.4 10.7 50.7

64 57.4 34.7 74.7





#9

Benzaldehyde

Concen: 77.814 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

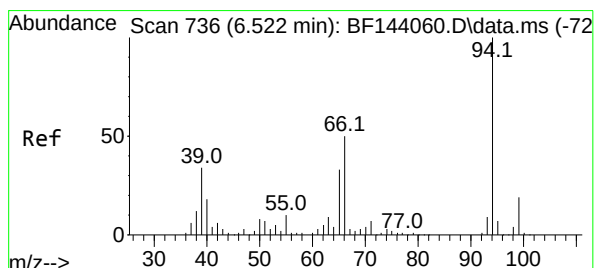
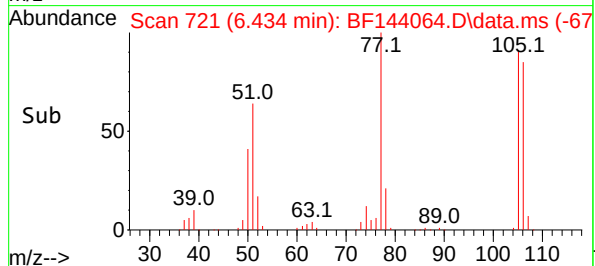
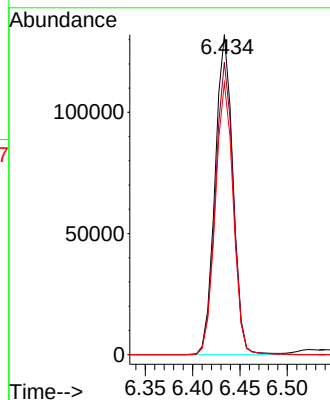
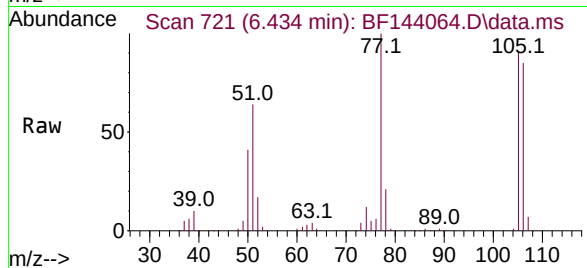
Tgt Ion: 77 Resp: 172641

Ion Ratio Lower Upper

77 100

105 91.4 72.2 112.2

106 84.9 67.9 107.9



#10

Phenol

Concen: 60.092 ng

RT: 6.522 min Scan# 736

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

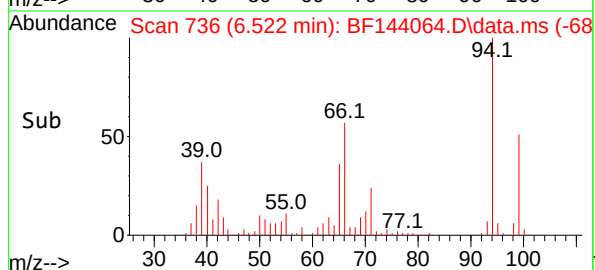
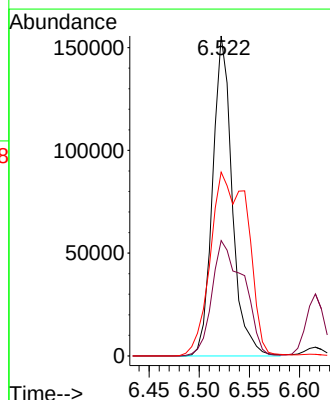
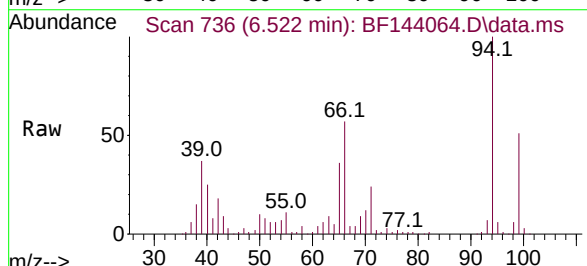
Tgt Ion: 94 Resp: 211848

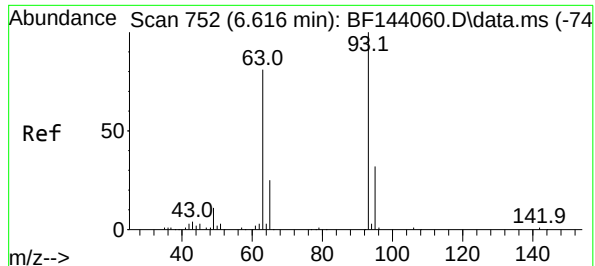
Ion Ratio Lower Upper

94 100

65 36.0 13.1 53.1

66 57.4 30.6 70.6

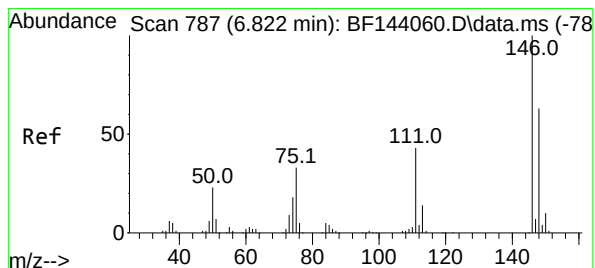
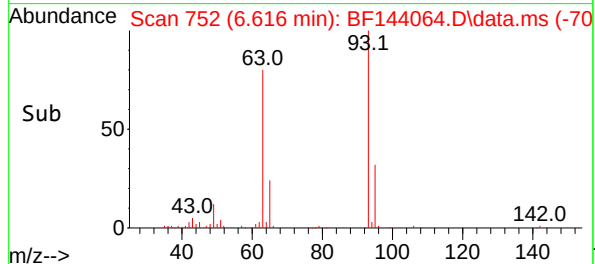
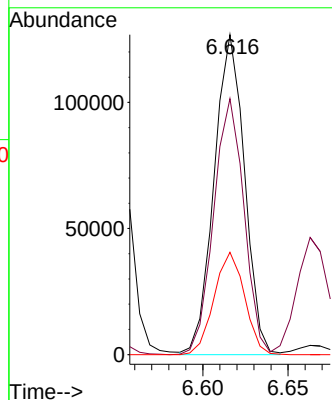
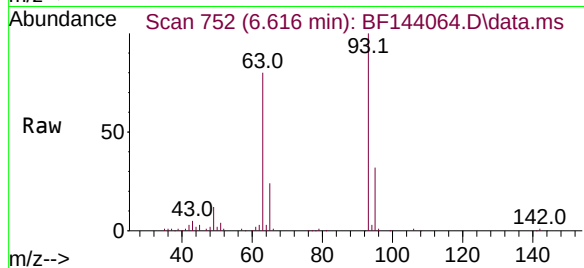




#11
bis(2-Chloroethyl)ether
Concen: 61.925 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

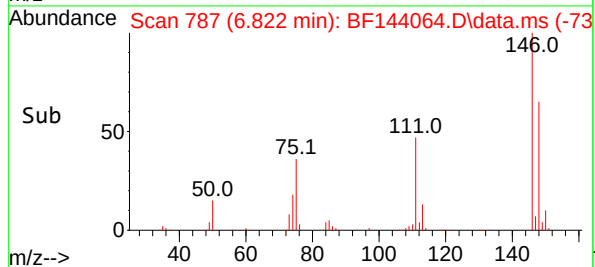
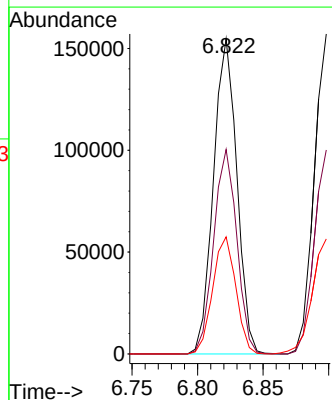
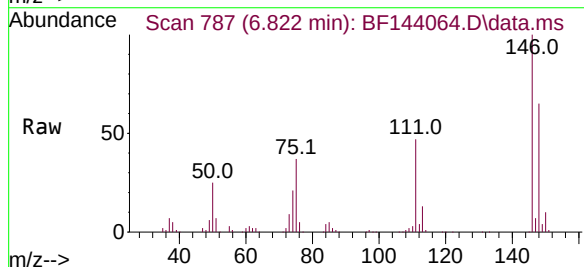
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

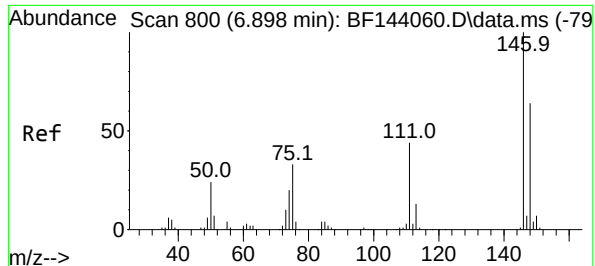
Tgt Ion: 93 Resp: 157748
Ion Ratio Lower Upper
93 100
63 80.0 60.2 100.2
95 32.0 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 61.183 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 146 Resp: 192311
Ion Ratio Lower Upper
146 100
148 64.9 50.6 75.8
75 37.1 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 62.421 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

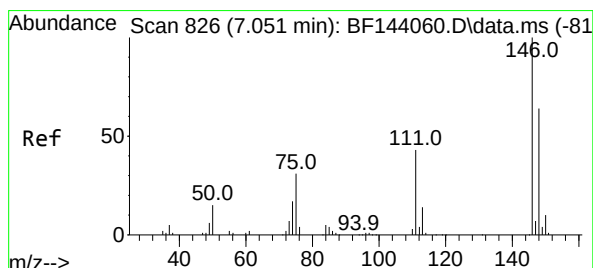
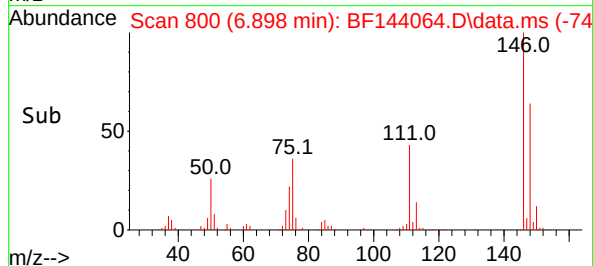
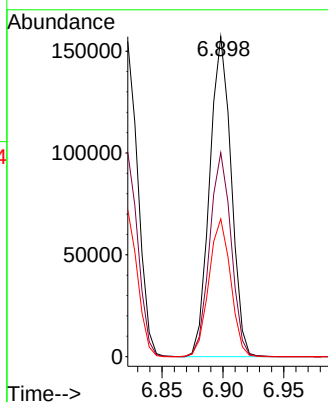
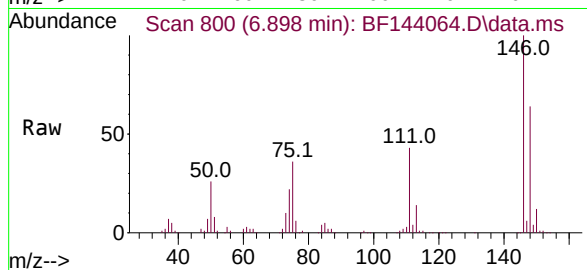
Tgt Ion:146 Resp: 193362

Ion Ratio Lower Upper

146 100

148 63.7 51.0 76.6

111 43.0 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 62.289 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

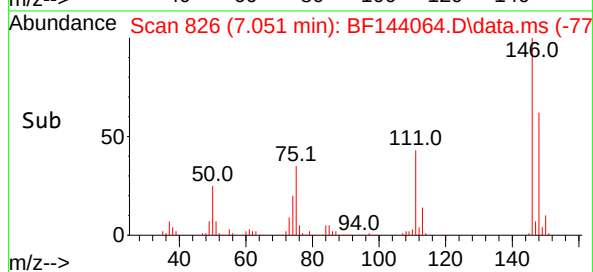
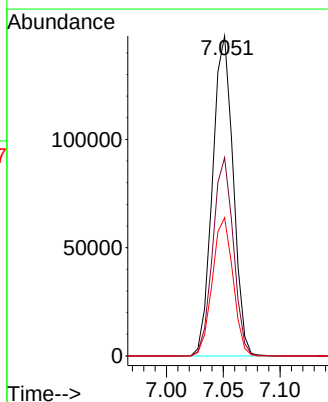
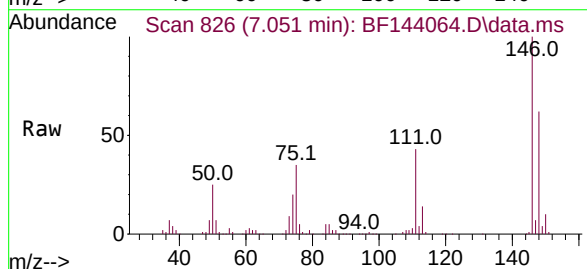
Tgt Ion:146 Resp: 186696

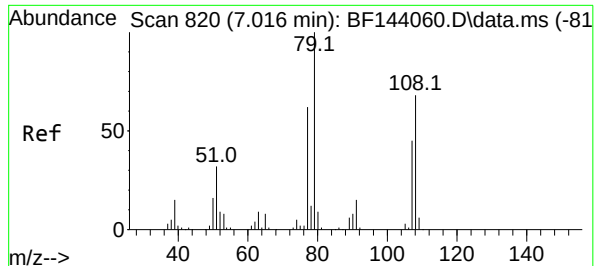
Ion Ratio Lower Upper

146 100

148 61.9 50.8 76.2

111 43.2 34.7 52.1

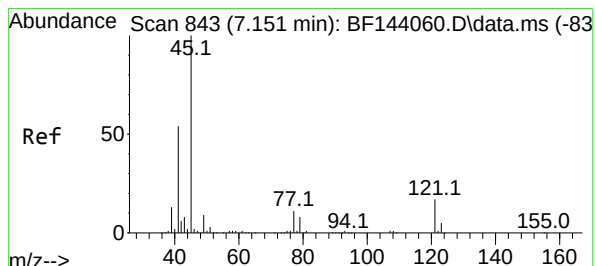
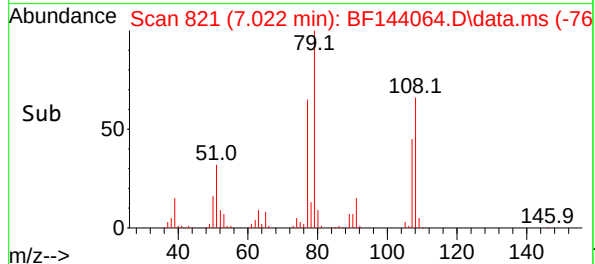
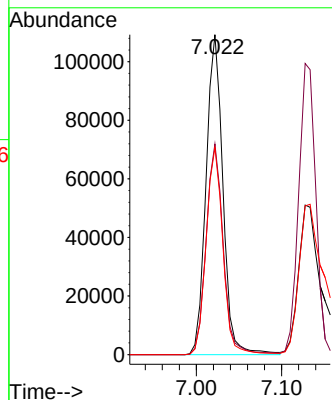
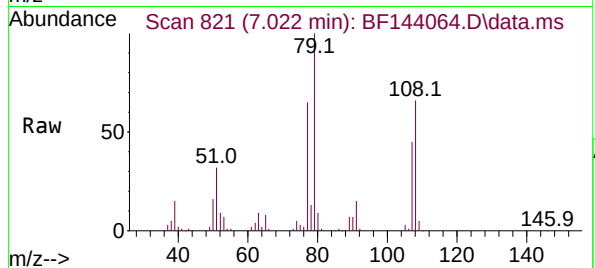




#15
Benzyl Alcohol
Concen: 64.606 ng
RT: 7.022 min Scan# 821
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

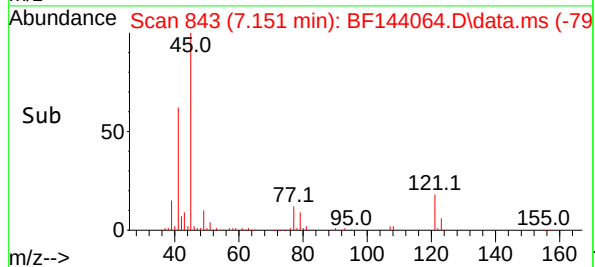
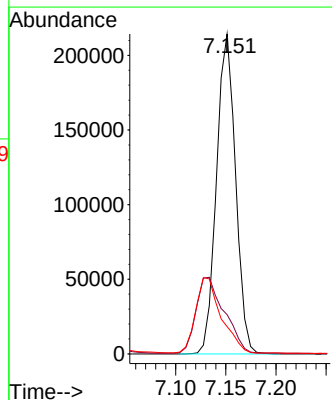
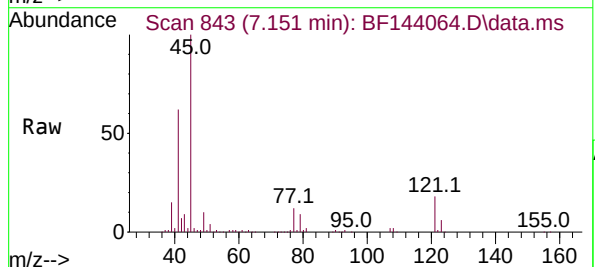
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

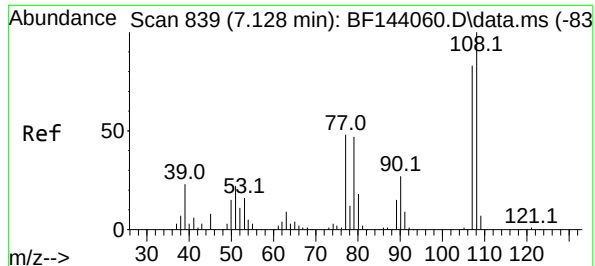
Tgt Ion: 79 Resp: 150113
Ion Ratio Lower Upper
79 100
108 65.8 54.8 82.2
77 64.7 49.4 74.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 59.335 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion: 45 Resp: 284081
Ion Ratio Lower Upper
45 100
77 12.3 0.0 30.9
79 8.5 0.0 28.2

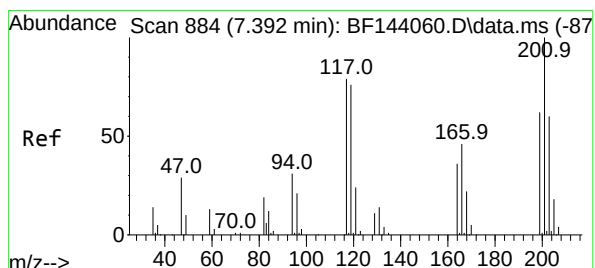
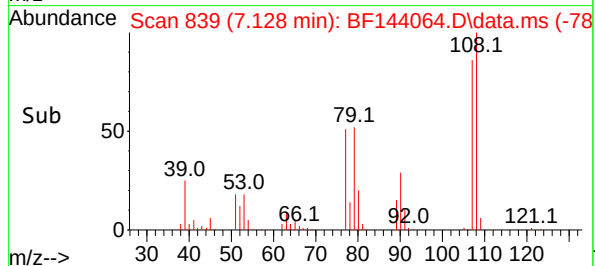
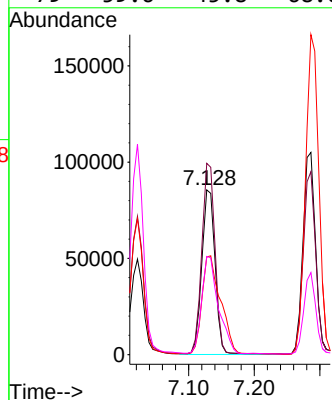
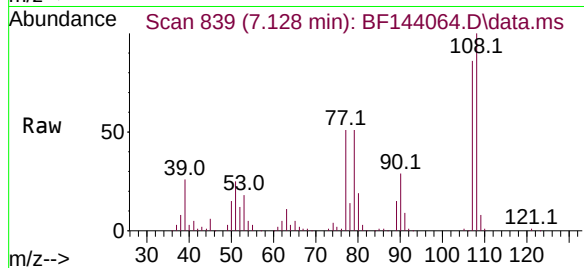




#17
2-Methylphenol
Concen: 61.494 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

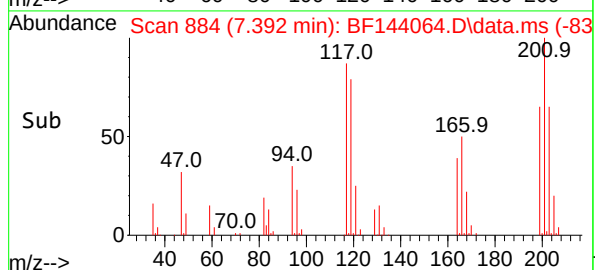
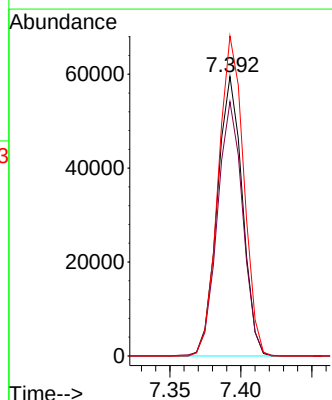
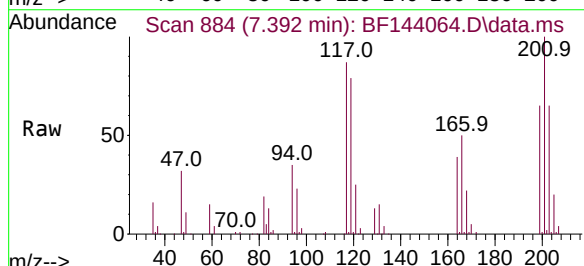
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

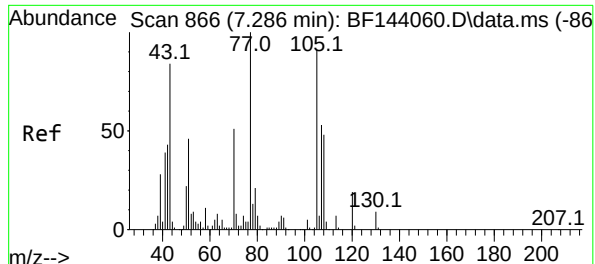
Tgt Ion:	107	Resp:	120515
Ion	Ratio	Lower	Upper
107	100		
108	116.1	96.4	144.6
77	59.3	46.8	70.2
79	59.6	45.8	68.6



#18
Hexachloroethane
Concen: 65.943 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:	117	Resp:	73031
Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.6	115.0
201	114.5	100.9	151.3





#19

n-Nitroso-di-n-propylamine

Concen: 62.701 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.006 min

Lab File: BF144064.D

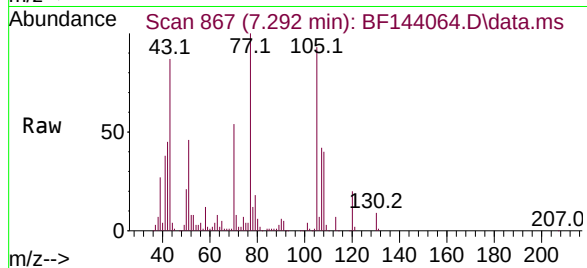
Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDIC060



Tgt Ion: 70 Resp: 115863

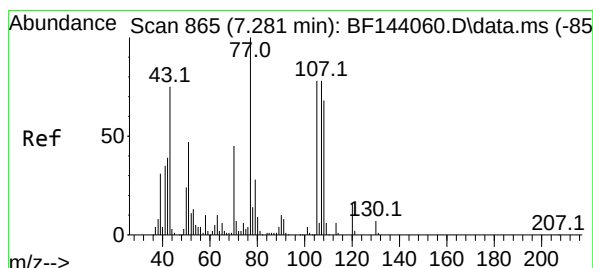
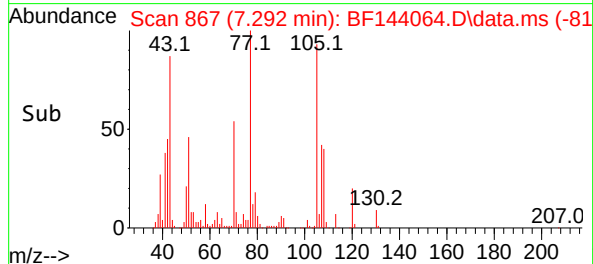
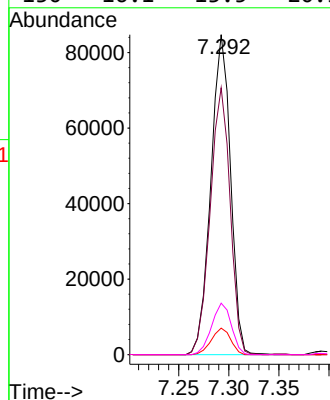
Ion Ratio Lower Upper

70 100

42 83.4 67.4 101.0

101 8.3 7.1 10.7

130 16.1 13.5 20.3



#20

3+4-Methylphenols

Concen: 61.433 ng

RT: 7.286 min Scan# 866

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Tgt Ion: 107 Resp: 142326

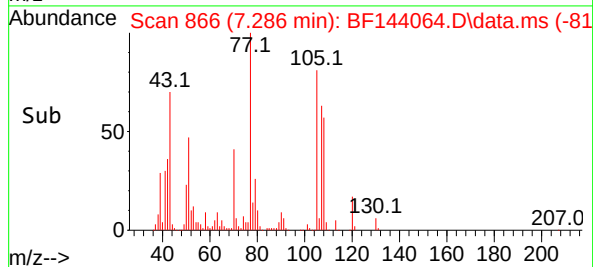
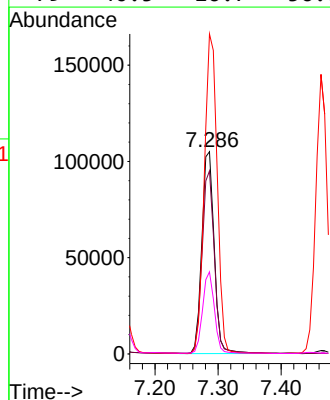
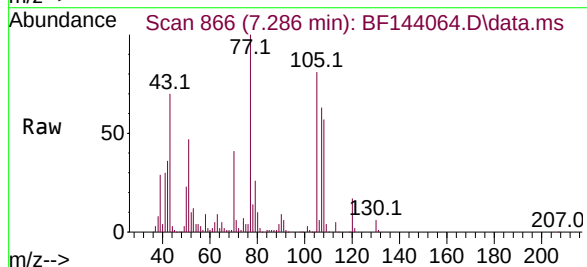
Ion Ratio Lower Upper

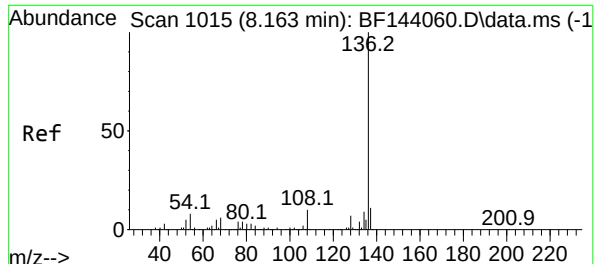
107 100

108 90.5 68.0 108.0

77 158.2 108.7 148.7#

79 40.5 16.7 56.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:136 Resp: 144864

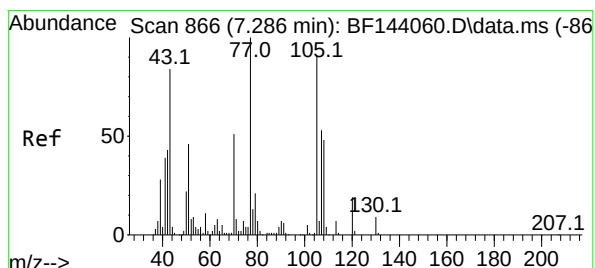
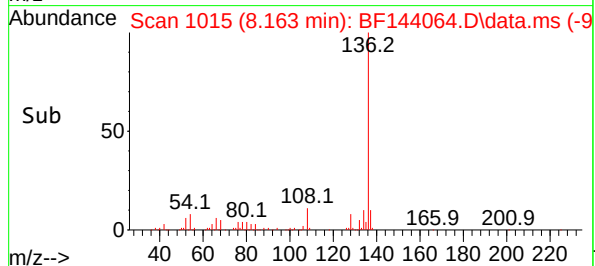
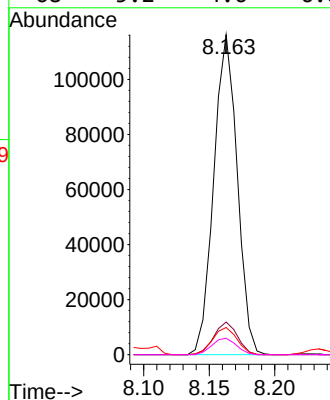
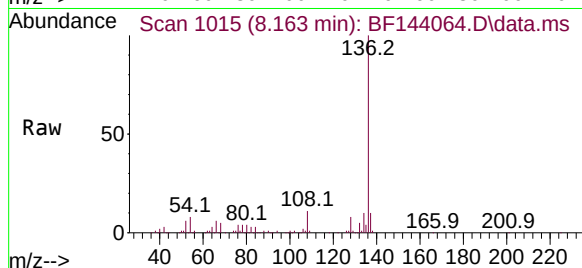
Ion Ratio Lower Upper

136 100

137 10.2 8.6 13.0

54 8.5 6.6 9.8

68 5.2 4.6 6.8



#22

Acetophenone

Concen: 63.255 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Tgt Ion:105 Resp: 198031

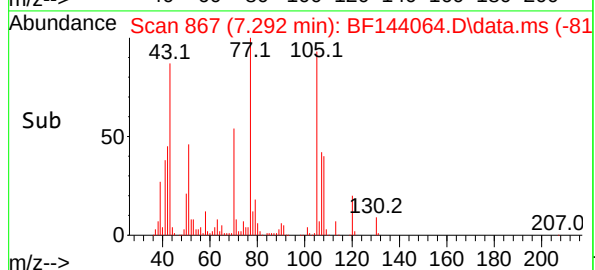
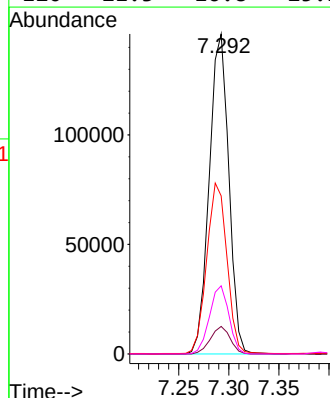
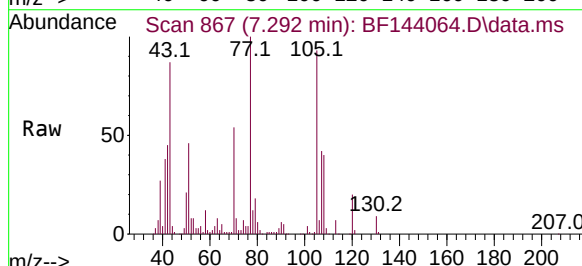
Ion Ratio Lower Upper

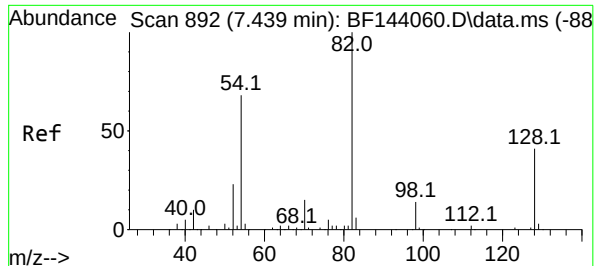
105 100

71 8.6 6.9 10.3

51 49.4 40.6 60.8

120 21.3 16.8 25.2





#23

Nitrobenzene-d5

Concen: 129.319 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

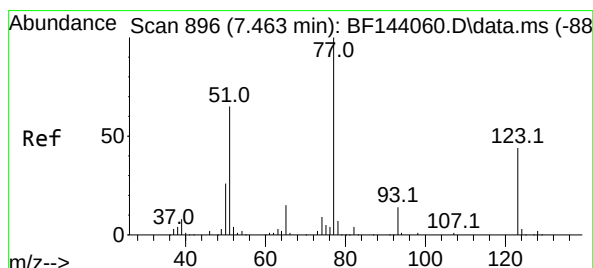
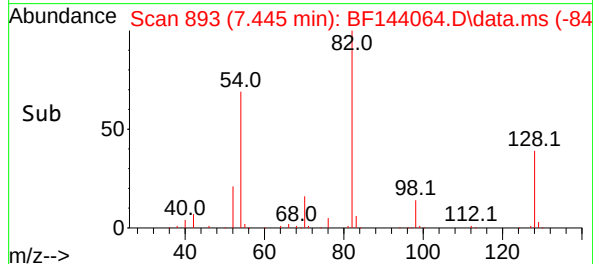
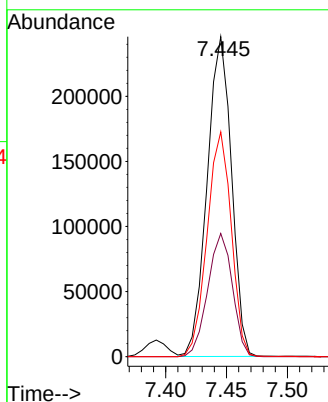
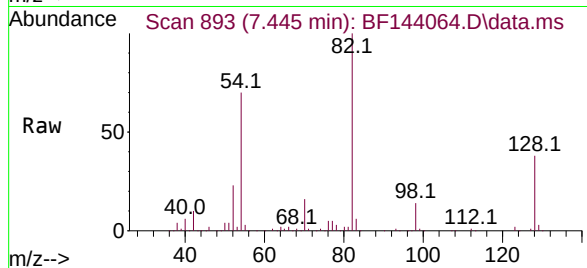
Tgt Ion: 82 Resp: 341936

Ion Ratio Lower Upper

82 100

128 38.5 32.4 48.6

54 70.2 54.0 81.0



#24

Nitrobenzene

Concen: 64.837 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

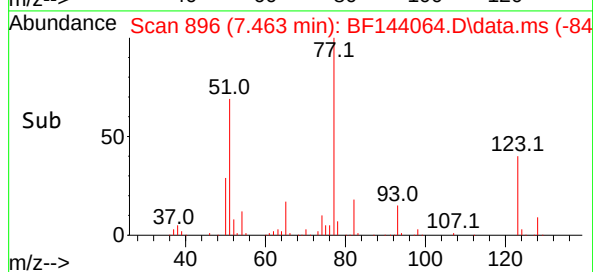
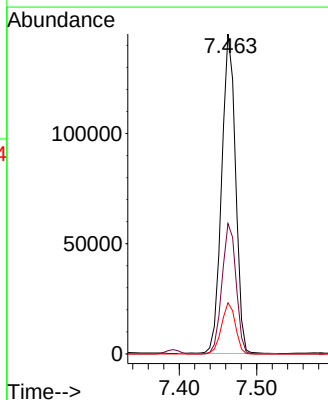
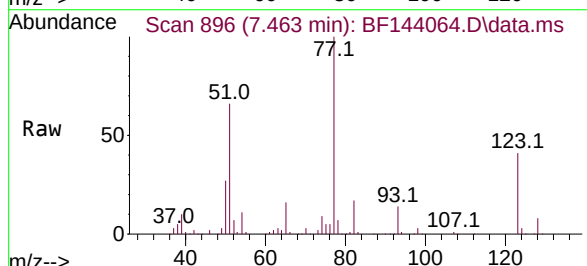
Tgt Ion: 77 Resp: 181356

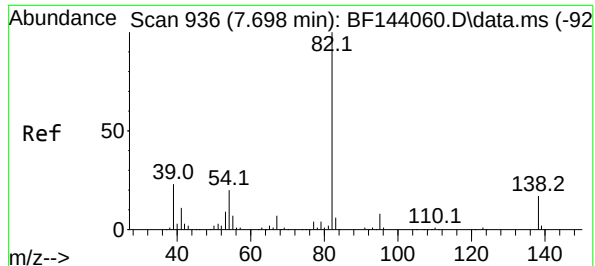
Ion Ratio Lower Upper

77 100

123 40.7 35.0 52.6

65 16.0 12.2 18.2





#25

Isophorone

Concen: 64.523 ng

RT: 7.704 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

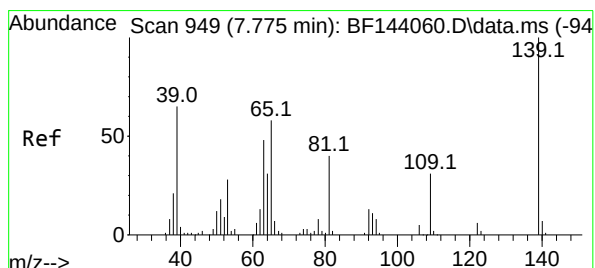
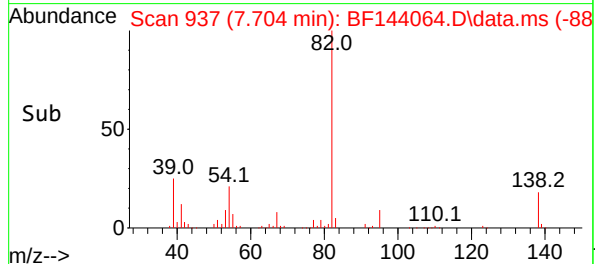
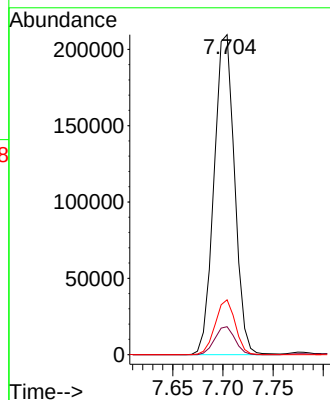
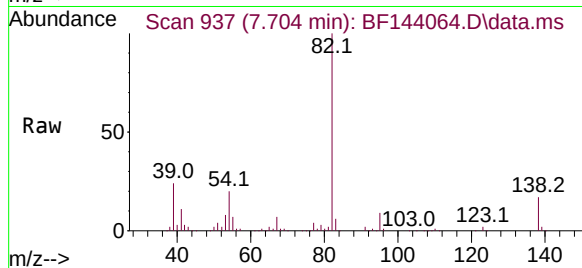
Tgt Ion: 82 Resp: 298273

Ion Ratio Lower Upper

82 100

95 8.7 6.6 9.8

138 17.1 13.8 20.8



#26

2-Nitrophenol

Concen: 63.417 ng

RT: 7.781 min Scan# 950

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

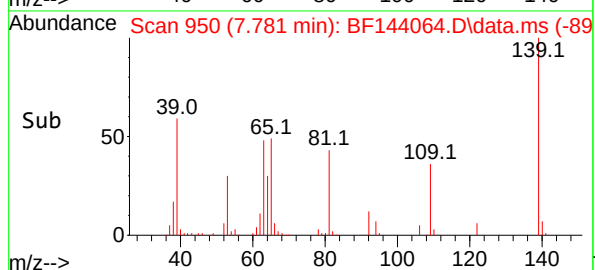
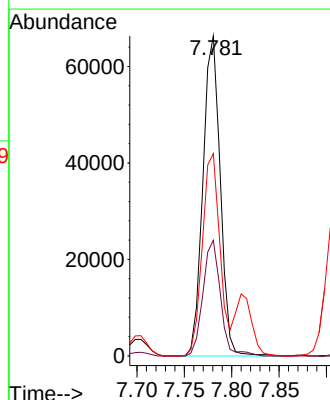
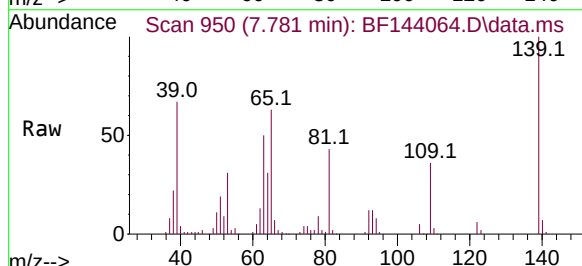
Tgt Ion: 139 Resp: 84384

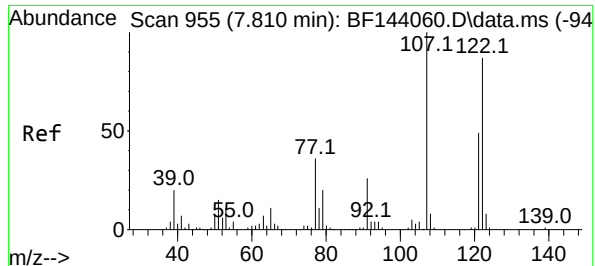
Ion Ratio Lower Upper

139 100

109 36.1 24.6 37.0

65 63.2 46.6 69.8





#27

2,4-Dimethylphenol

Concen: 64.435 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

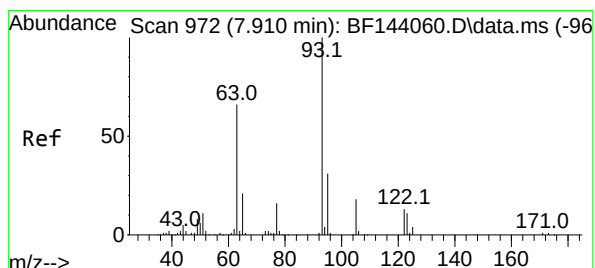
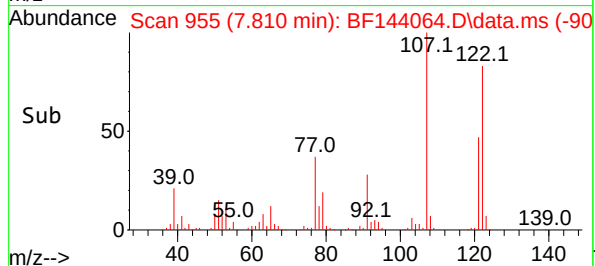
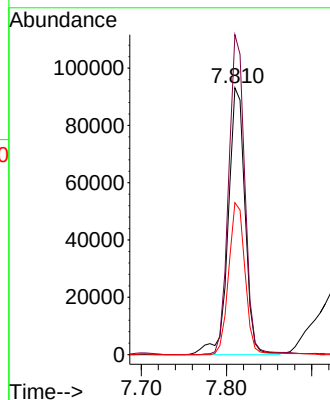
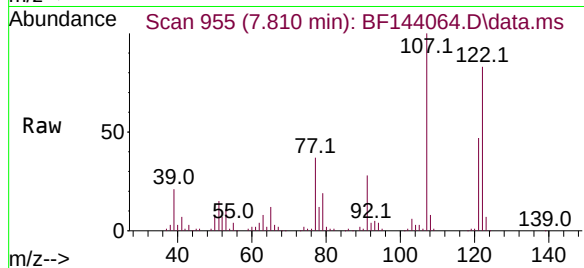
Tgt Ion:122 Resp: 127412

Ion Ratio Lower Upper

122 100

107 120.0 91.8 137.8

121 56.9 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 62.737 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

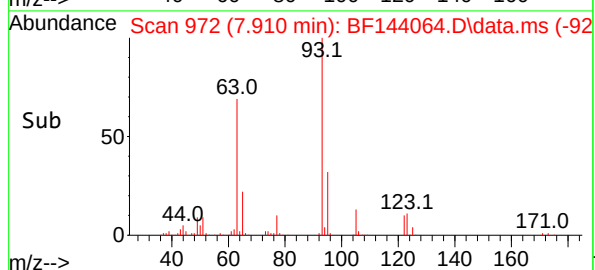
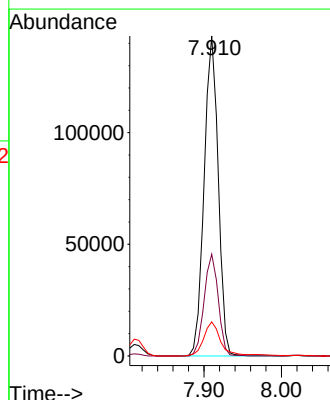
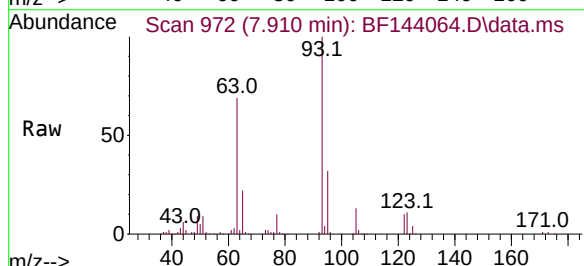
Tgt Ion: 93 Resp: 180863

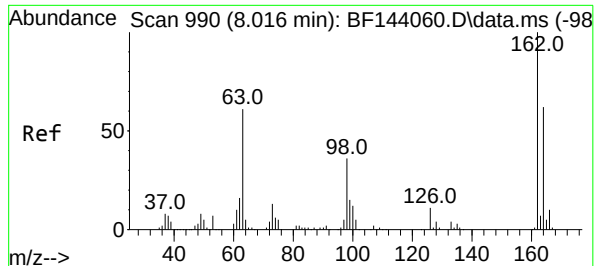
Ion Ratio Lower Upper

93 100

95 31.8 24.6 36.8

123 10.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 61.979 ng

RT: 8.022 min Scan# 99

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

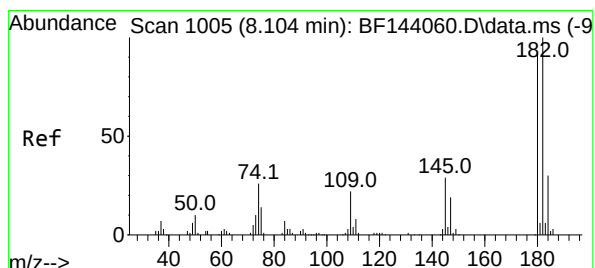
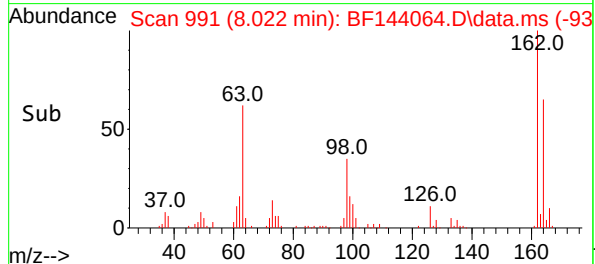
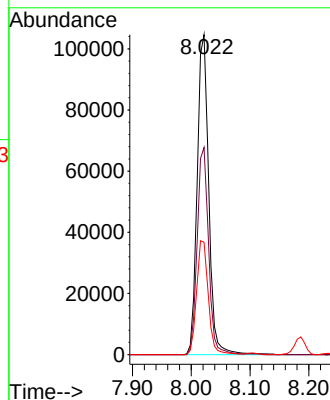
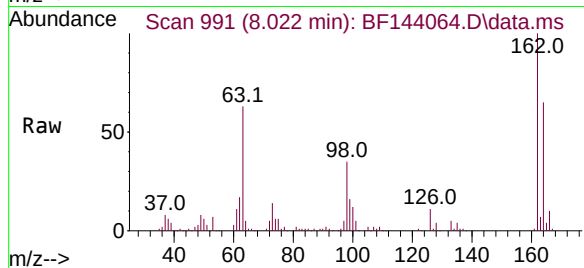
Tgt Ion:162 Resp: 142524

Ion Ratio Lower Upper

162 100

164 64.7 42.1 82.1

98 35.1 16.0 56.0



#30

1,2,4-Trichlorobenzene

Concen: 63.994 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

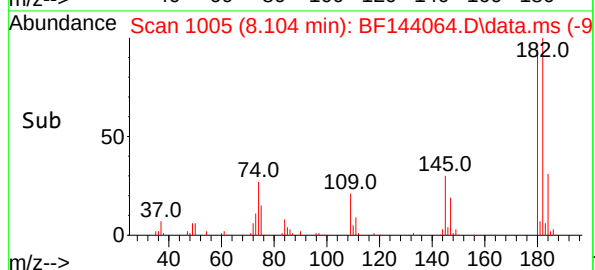
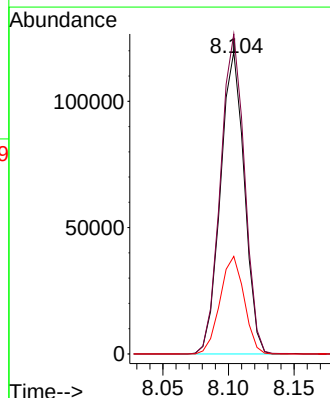
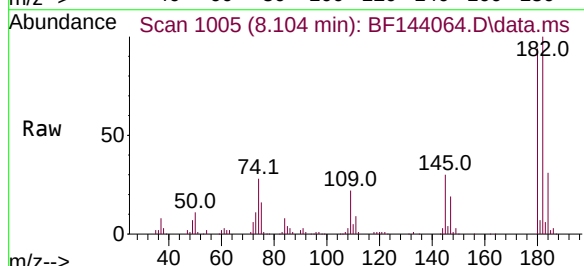
Tgt Ion:180 Resp: 151390

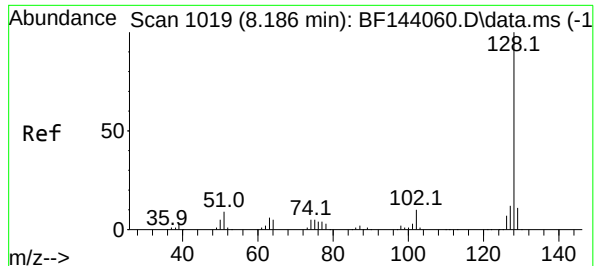
Ion Ratio Lower Upper

180 100

182 105.9 87.1 130.7

145 32.3 25.3 37.9





#31

Naphthalene

Concen: 62.477 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

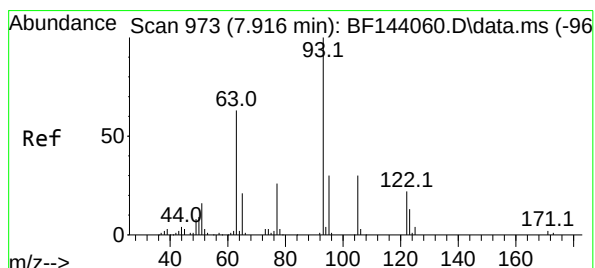
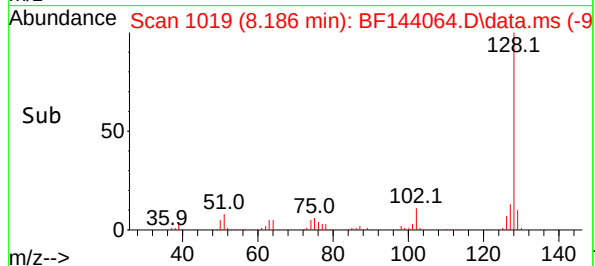
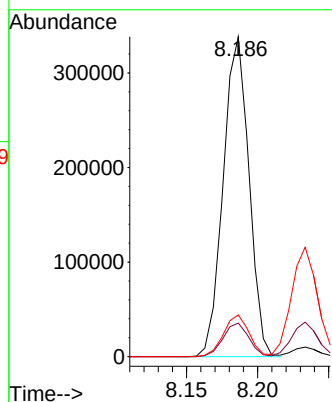
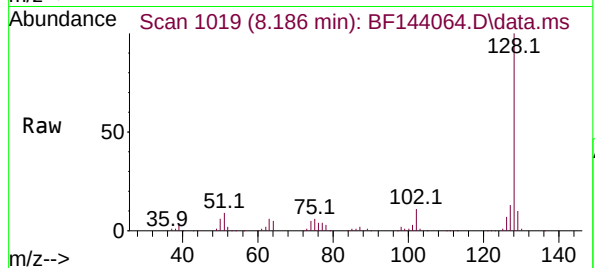
Tgt Ion:128 Resp: 427166

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

127 13.0 9.9 14.9



#32

Benzoic acid

Concen: 58.314 ng

RT: 7.928 min Scan# 975

Delta R.T. 0.012 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

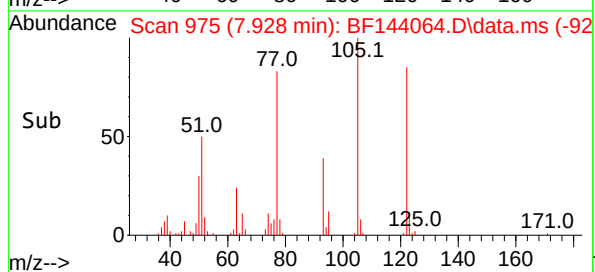
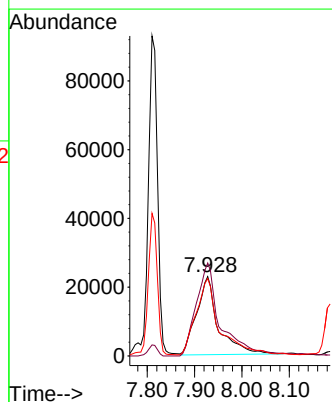
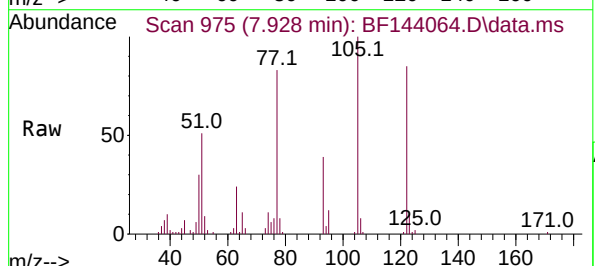
Tgt Ion:122 Resp: 73142

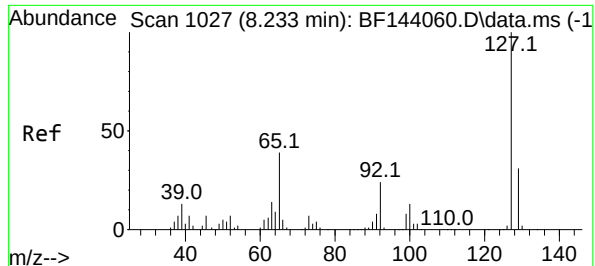
Ion Ratio Lower Upper

122 100

105 117.2 111.3 151.3

77 97.6 96.7 136.7





#33

4-Chloroaniline

Concen: 62.767 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

Tgt Ion:127 Resp: 149397

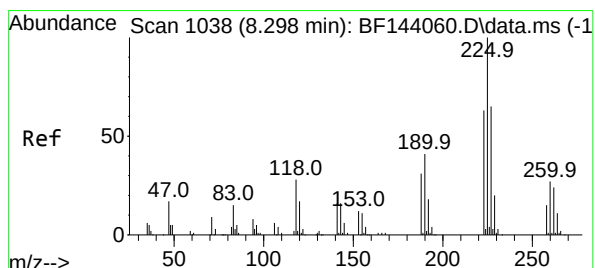
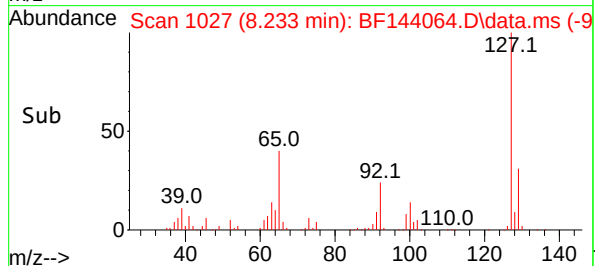
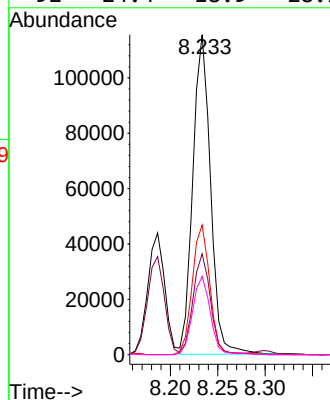
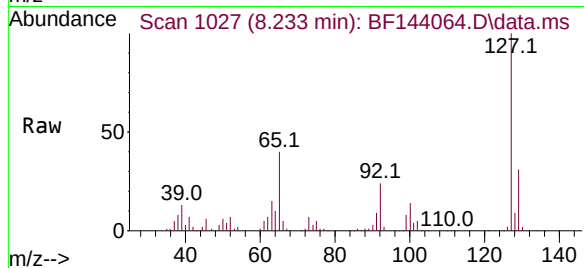
Ion Ratio Lower Upper

127 100

129 31.5 25.6 38.4

65 40.5 30.9 46.3

92 24.4 18.9 28.3



#34

Hexachlorobutadiene

Concen: 66.488 ng

RT: 8.298 min Scan# 1038

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

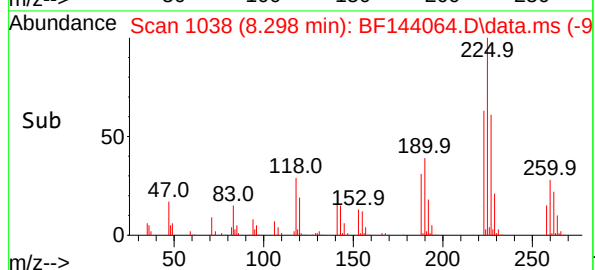
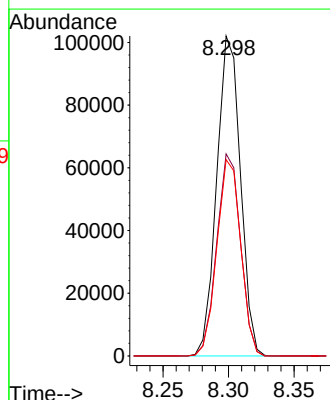
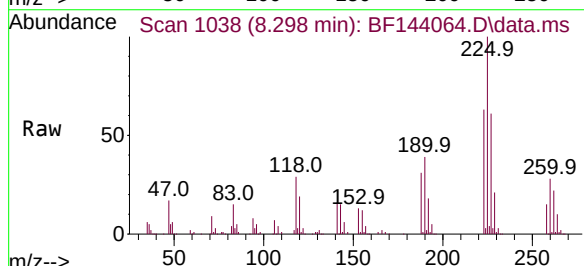
Tgt Ion:225 Resp: 128615

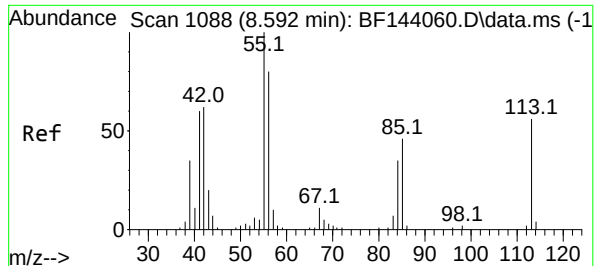
Ion Ratio Lower Upper

225 100

223 63.1 50.6 76.0

227 61.3 51.8 77.8





#35

Caprolactam

Concen: 64.879 ng

RT: 8.604 min Scan# 1090

Delta R.T. 0.012 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

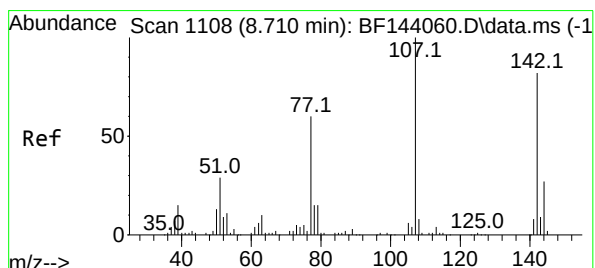
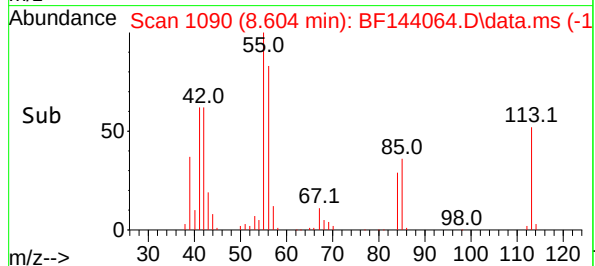
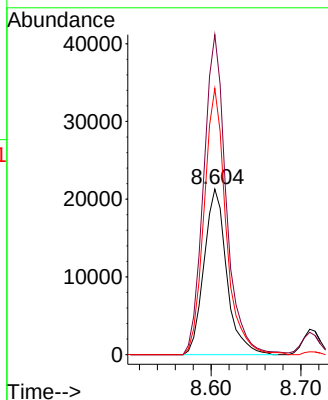
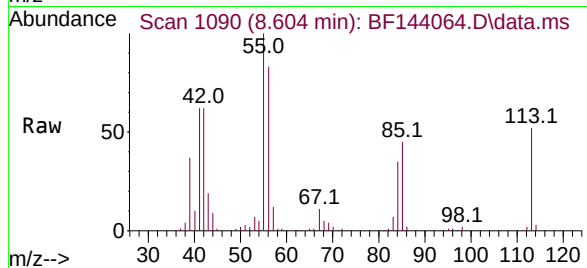
Tgt Ion:113 Resp: 37413

Ion Ratio Lower Upper

113 100

55 193.3 160.1 200.1

56 160.7 124.9 164.9



#36

4-Chloro-3-methylphenol

Concen: 63.473 ng

RT: 8.710 min Scan# 1108

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

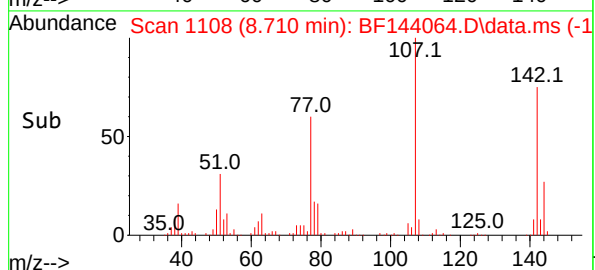
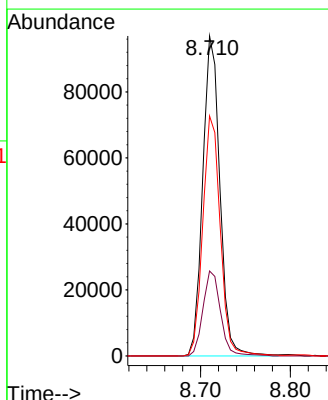
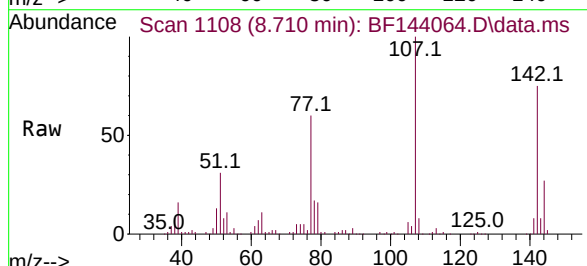
Tgt Ion:107 Resp: 128805

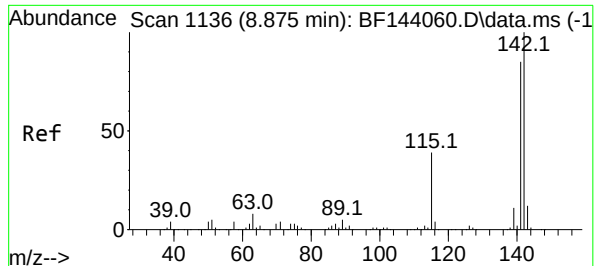
Ion Ratio Lower Upper

107 100

144 26.5 21.6 32.4

142 75.0 65.4 98.0





#37

2-Methylnaphthalene

Concen: 61.432 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

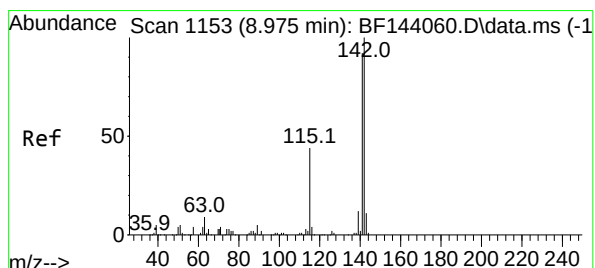
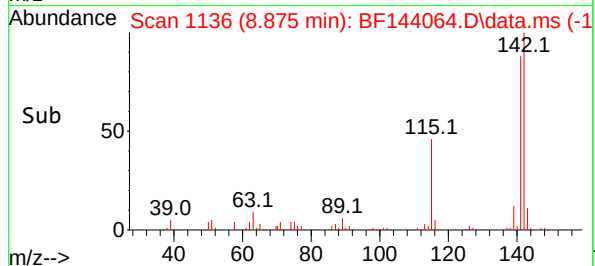
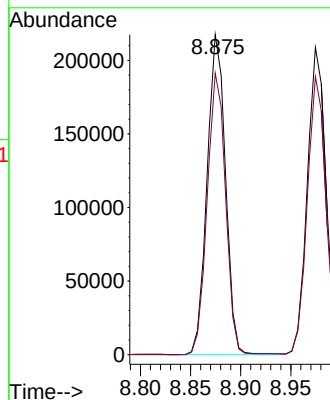
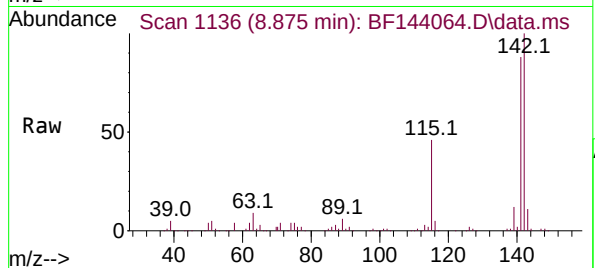
SSTDICC060

Tgt Ion:142 Resp: 276923

Ion Ratio Lower Upper

142 100

141 88.0 67.6 101.4



#38

1-Methylnaphthalene

Concen: 62.174 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF144064.D

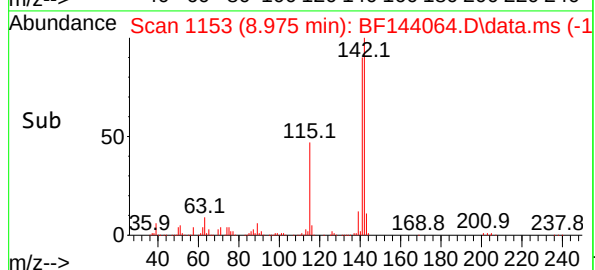
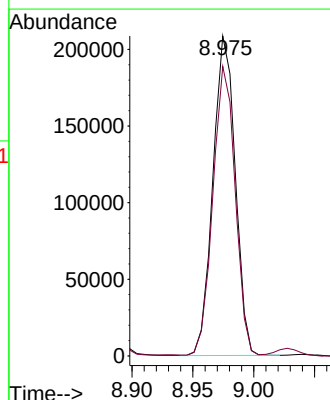
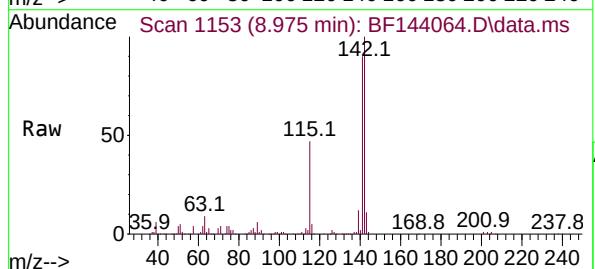
Acq: 24 Oct 2025 16:24

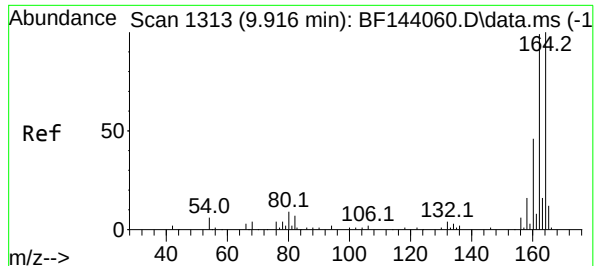
Tgt Ion:142 Resp: 265532

Ion Ratio Lower Upper

142 100

141 90.5 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1313

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

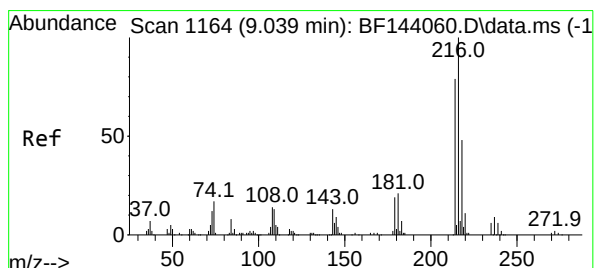
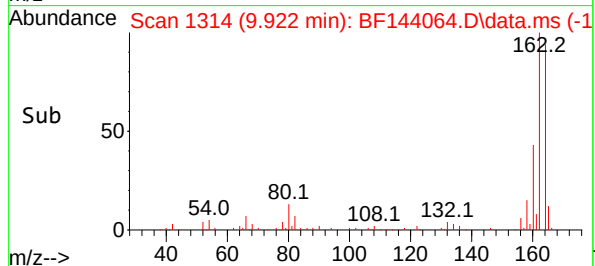
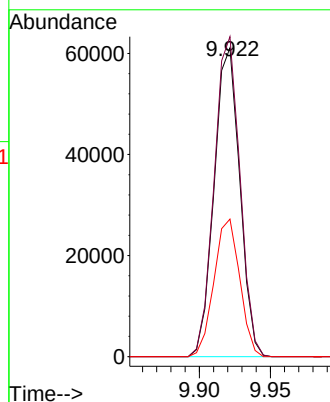
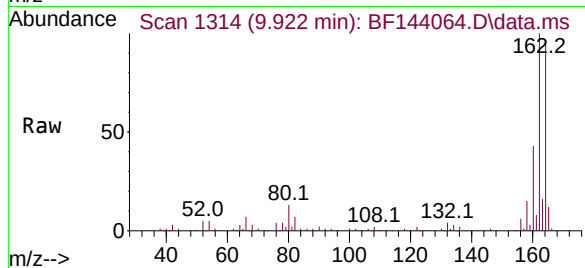
Tgt Ion:164 Resp: 76683

Ion Ratio Lower Upper

164 100

162 103.7 79.4 119.2

160 44.6 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 62.495 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Tgt Ion:216 Resp: 164703

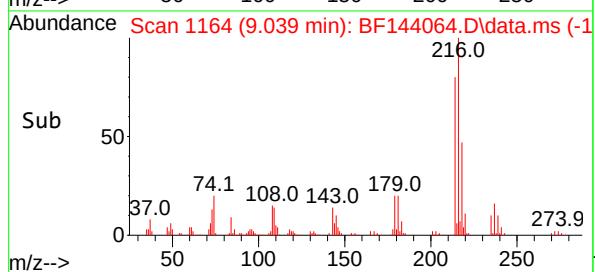
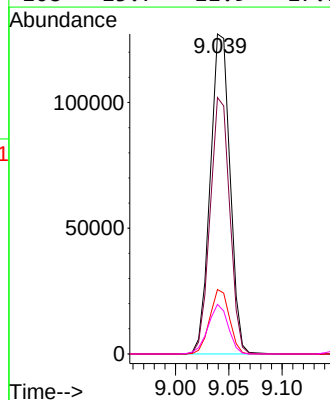
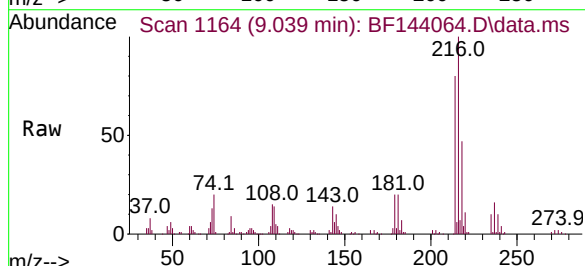
Ion Ratio Lower Upper

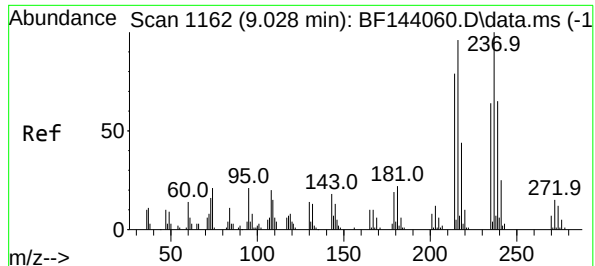
216 100

214 79.2 63.2 94.8

179 19.9 15.2 22.8

108 15.7 11.9 17.9

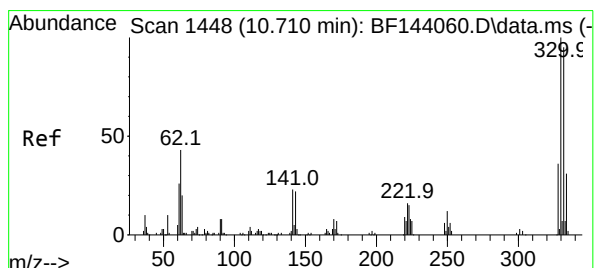
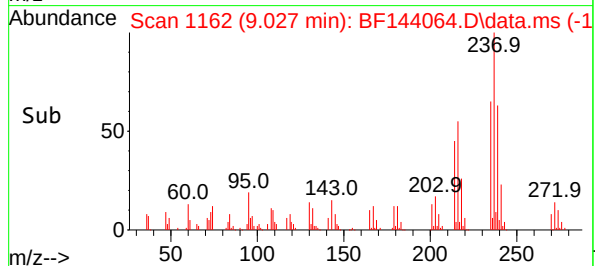
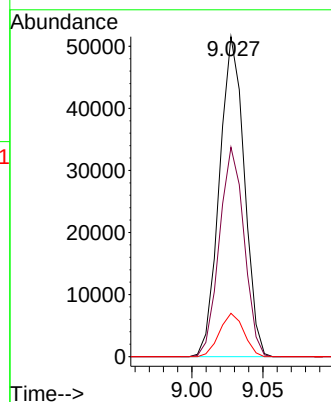
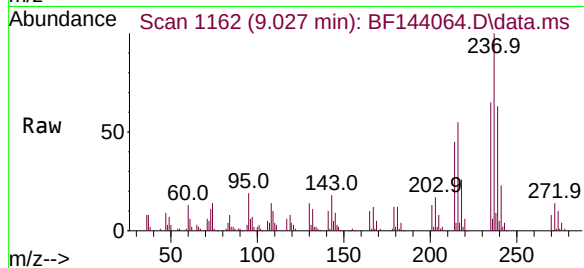




#41
Hexachlorocyclopentadiene
Concen: 77.248 ng
RT: 9.027 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

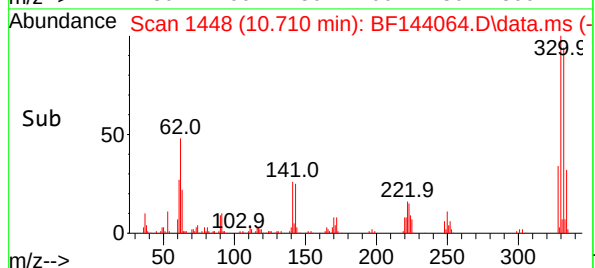
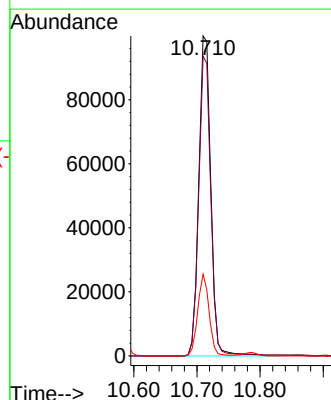
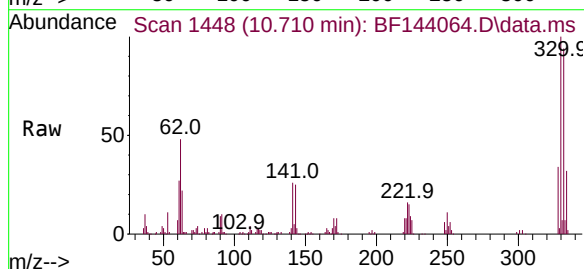
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

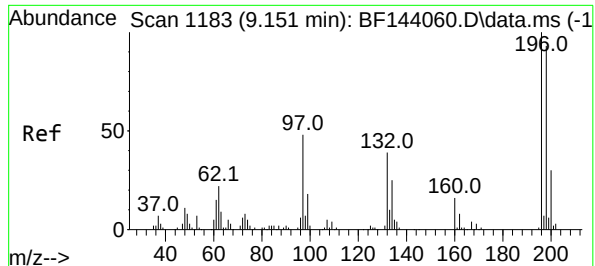
Tgt Ion	Ratio	Lower	Upper
237	100		
235	65.4	44.3	84.3
272	13.5	0.0	35.2



#42
2,4,6-Tribromophenol
Concen: 135.953 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.0	115.6
141	24.0	19.4	29.0





#43

2,4,6-Trichlorophenol

Concen: 65.103 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

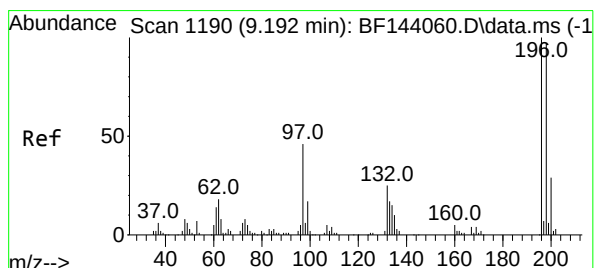
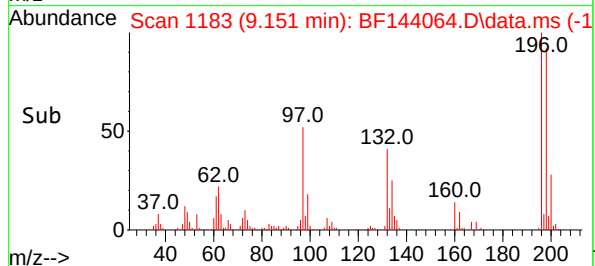
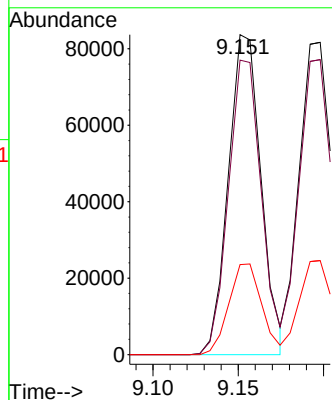
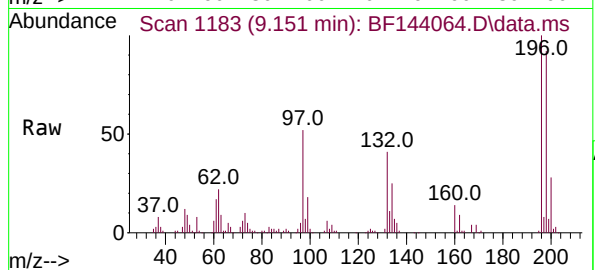
Tgt Ion:196 Resp: 111523

Ion Ratio Lower Upper

196 100

198 92.0 74.4 111.6

200 28.2 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 65.377 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Tgt Ion:196 Resp: 117536

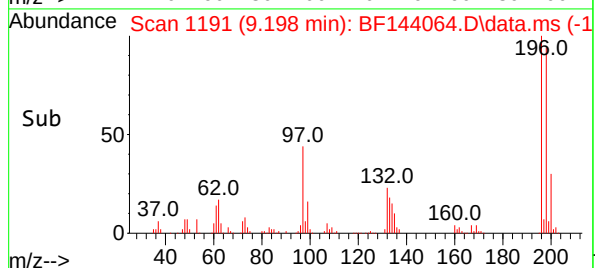
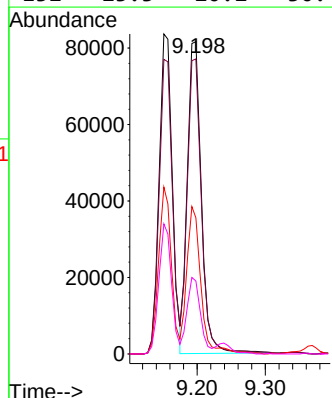
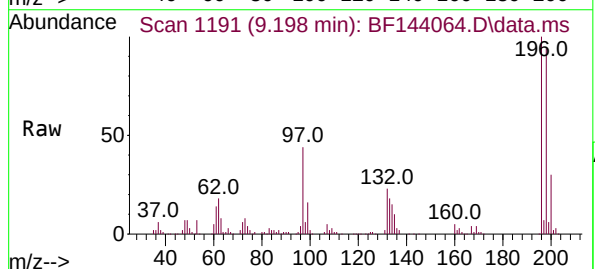
Ion Ratio Lower Upper

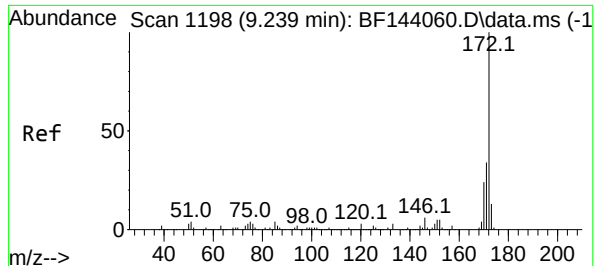
196 100

198 94.5 78.0 117.0

97 43.6 37.7 56.5

132 23.3 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 124.361 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

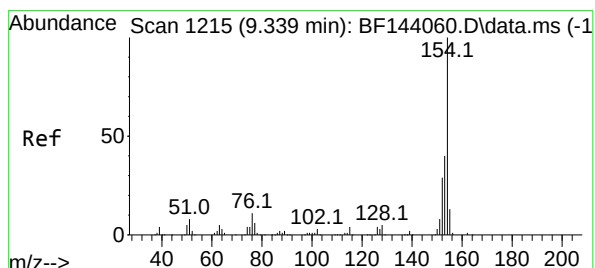
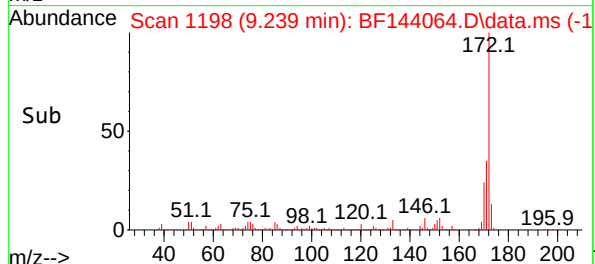
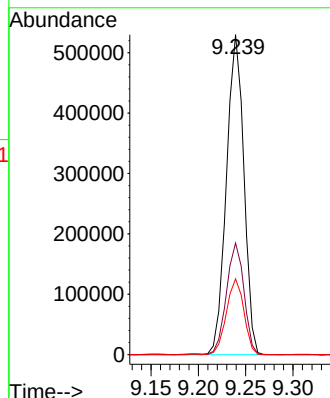
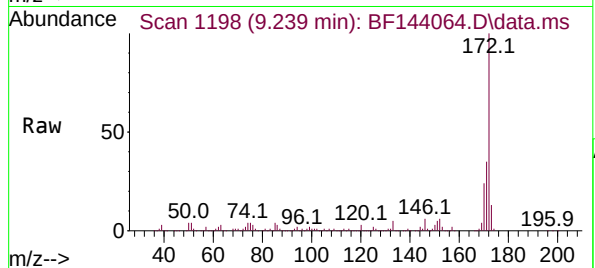
Tgt Ion:172 Resp: 677674

Ion Ratio Lower Upper

172 100

171 34.9 27.5 41.3

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 61.621 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

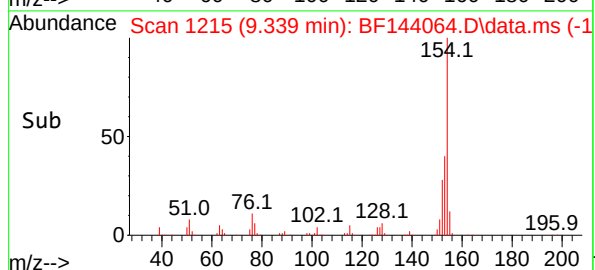
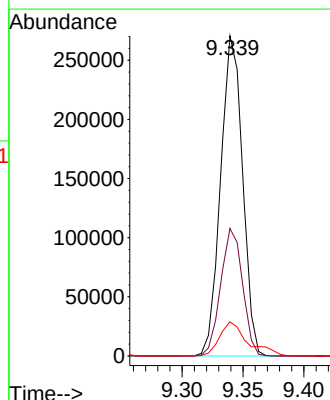
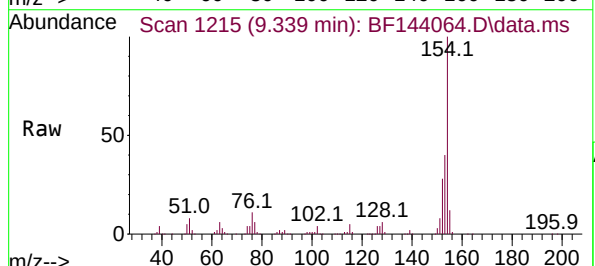
Tgt Ion:154 Resp: 338254

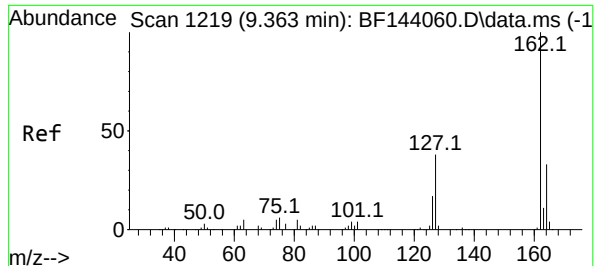
Ion Ratio Lower Upper

154 100

153 39.8 19.7 59.7

76 10.6 0.0 31.1





#47

2-Chloronaphthalene

Concen: 62.514 ng

RT: 9.369 min Scan# 1219

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

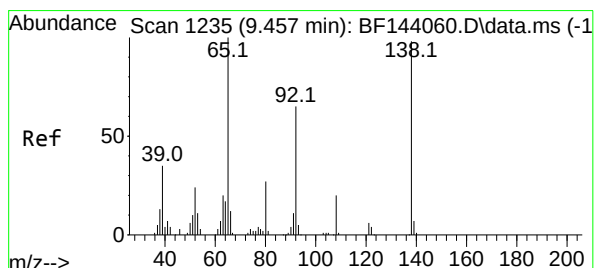
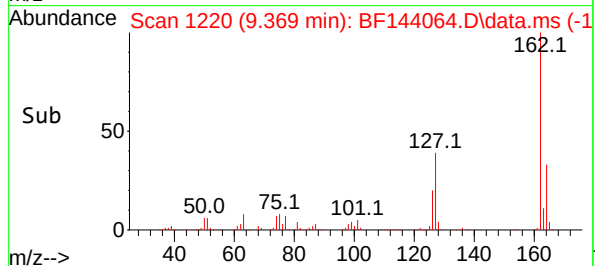
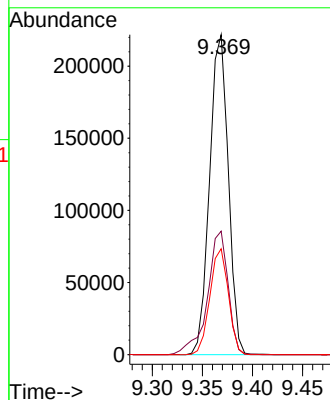
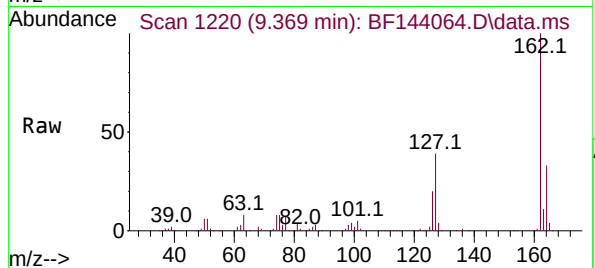
Tgt Ion:162 Resp: 287490

Ion Ratio Lower Upper

162 100

127 38.6 31.6 47.4

164 33.1 26.5 39.7



#48

2-Nitroaniline

Concen: 67.272 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

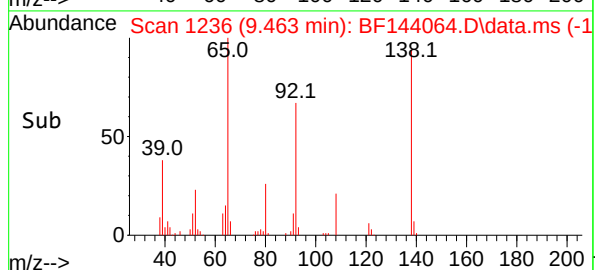
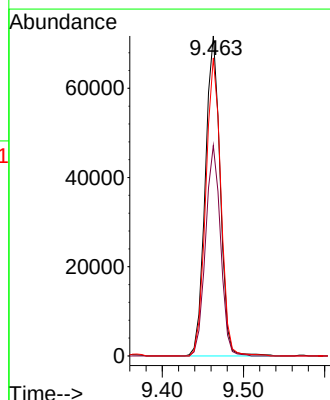
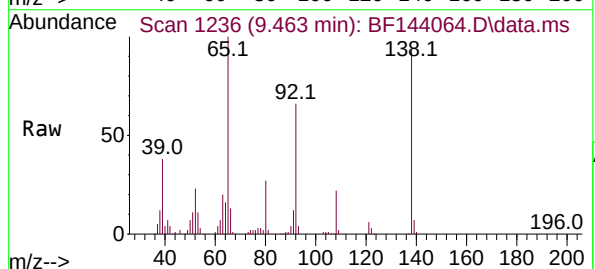
Tgt Ion: 65 Resp: 91867

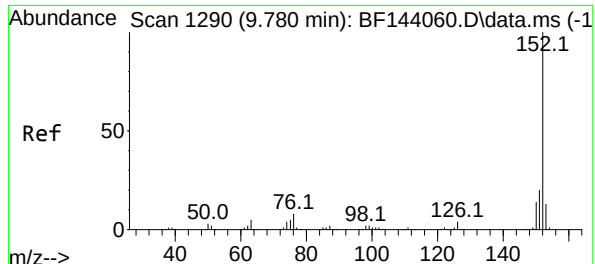
Ion Ratio Lower Upper

65 100

92 65.7 52.3 78.5

138 93.1 78.3 117.5





#49

Acenaphthylene

Concen: 61.895 ng

RT: 9.780 min Scan# 1290

Delta R.T. -0.000 min

Lab File: BF144064.D

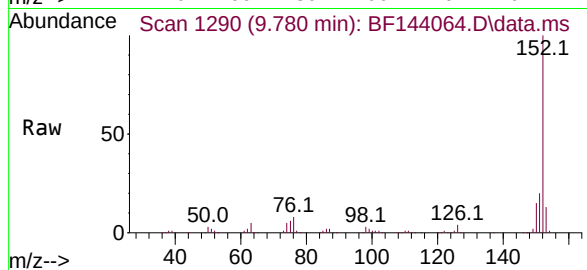
Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



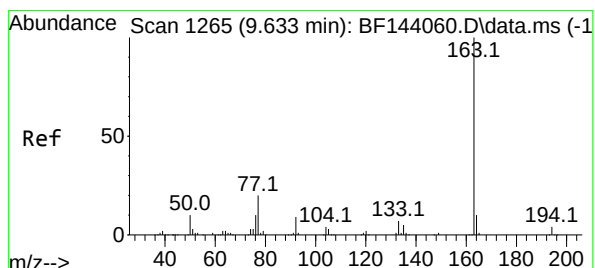
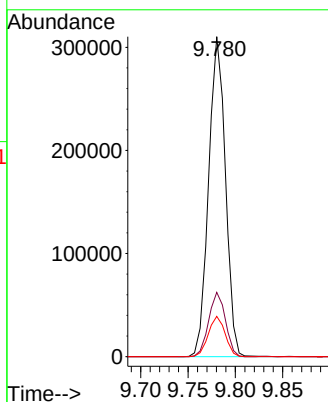
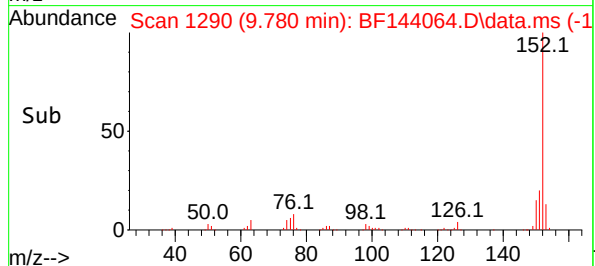
Tgt Ion:152 Resp: 383800

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

153 12.6 10.4 15.6



#50

Dimethylphthalate

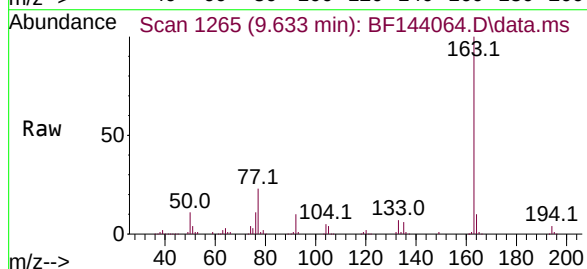
Concen: 63.485 ng

RT: 9.633 min Scan# 1265

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24



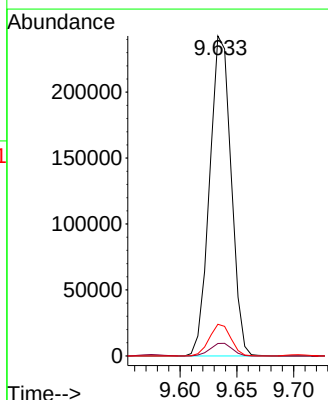
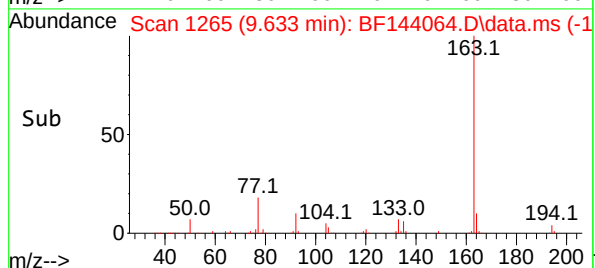
Tgt Ion:163 Resp: 319101

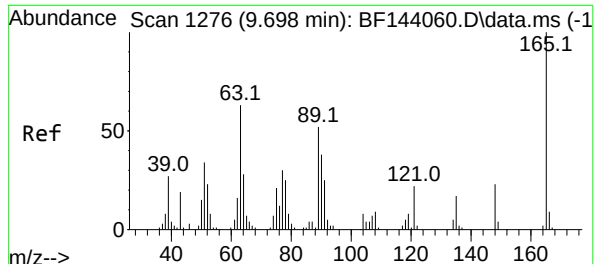
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

164 9.9 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 66.619 ng

RT: 9.704 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

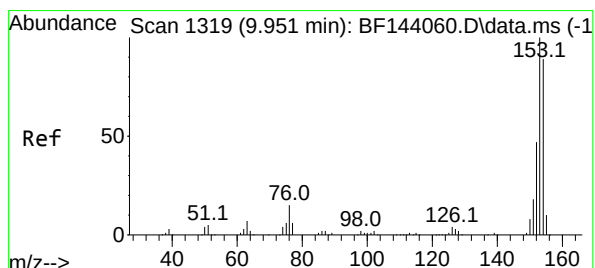
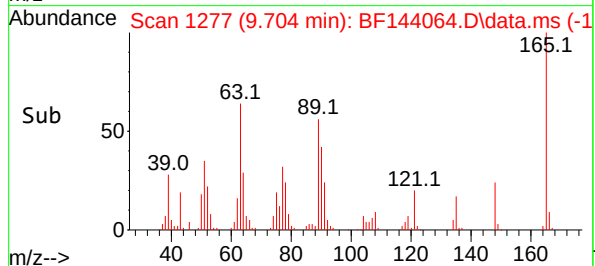
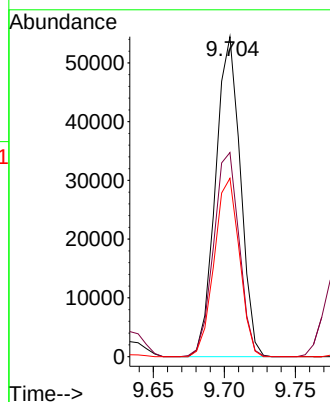
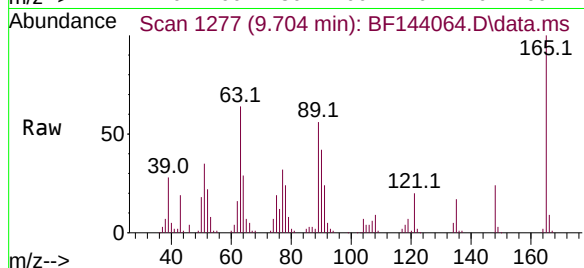
Tgt Ion:165 Resp: 66198

Ion Ratio Lower Upper

165 100

63 63.8 50.4 75.6

89 55.7 41.4 62.2



#52

Acenaphthene

Concen: 62.331 ng

RT: 9.957 min Scan# 1320

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

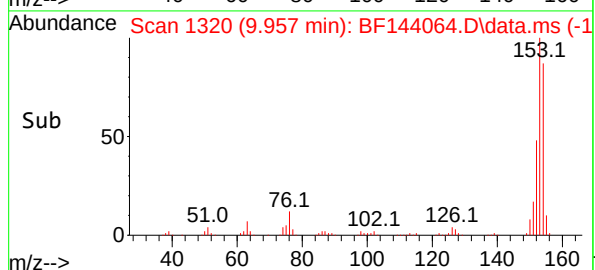
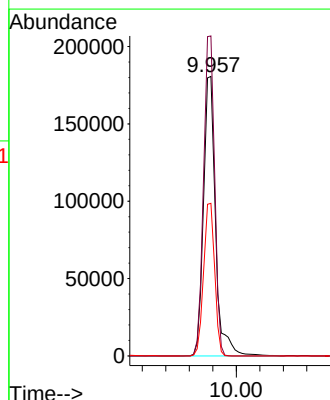
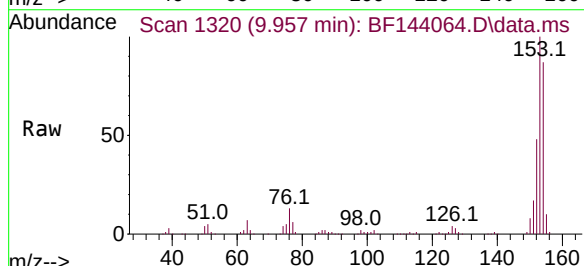
Tgt Ion:154 Resp: 258125

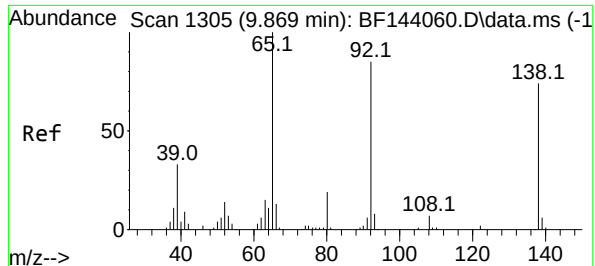
Ion Ratio Lower Upper

154 100

153 114.5 89.9 134.9

152 54.6 42.0 63.0





#53

3-Nitroaniline

Concen: 62.642 ng

RT: 9.874 min Scan# 1306

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

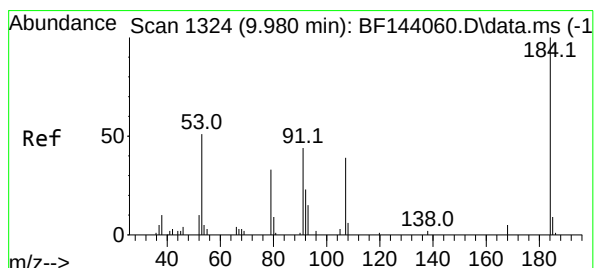
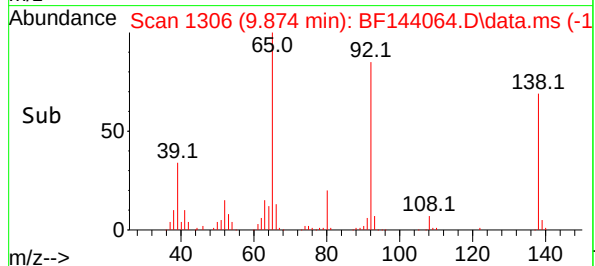
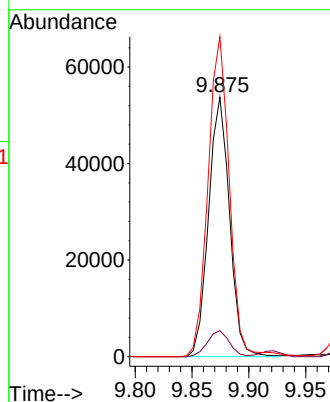
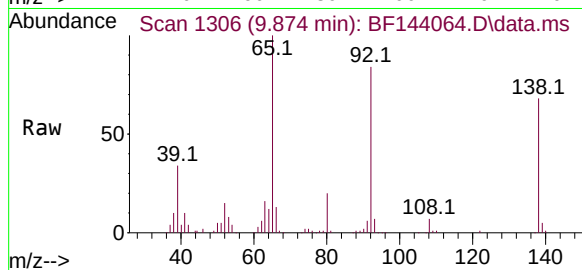
Tgt Ion:138 Resp: 69206

Ion Ratio Lower Upper

138 100

108 10.0 7.9 11.9

92 123.3 92.0 138.0



#54

2,4-Dinitrophenol

Concen: 59.508 ng

RT: 9.980 min Scan# 1324

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

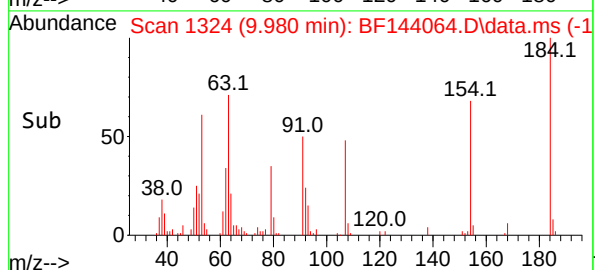
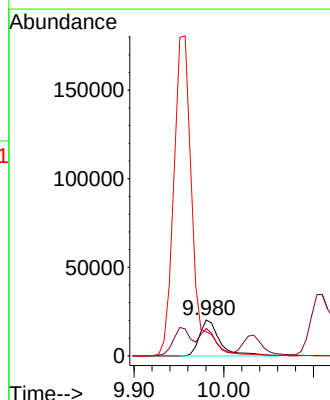
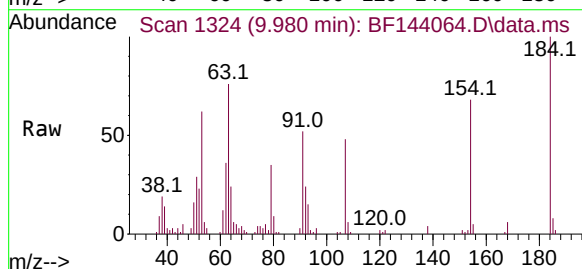
Tgt Ion:184 Resp: 31982

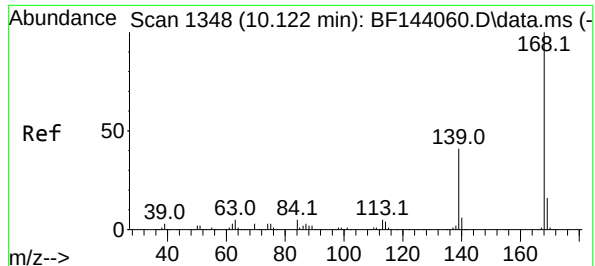
Ion Ratio Lower Upper

184 100

63 76.4 52.1 78.1

154 67.6 47.9 71.9





#55

Dibenzofuran

Concen: 61.440 ng

RT: 10.127 min Scan# 1348

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

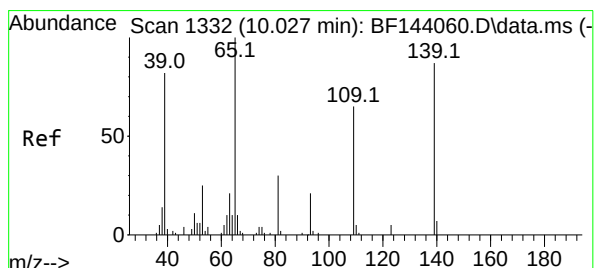
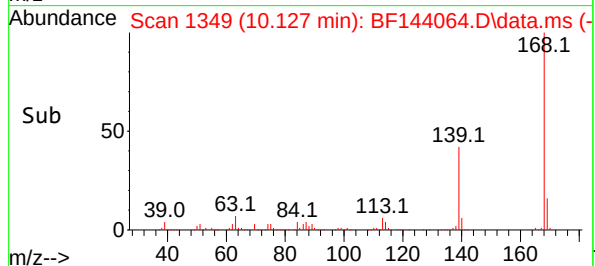
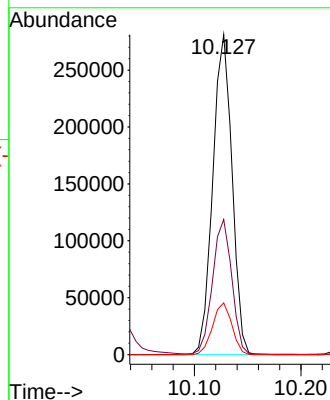
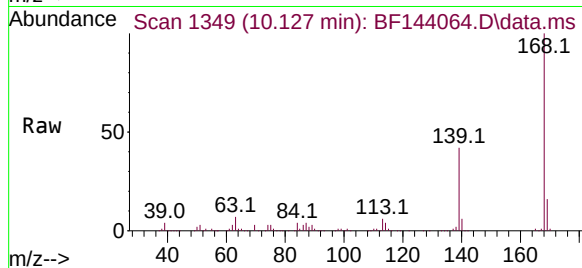
Tgt Ion:168 Resp: 353228

Ion Ratio Lower Upper

168 100

139 42.2 33.2 49.8

169 16.2 12.6 19.0



#56

4-Nitrophenol

Concen: 62.136 ng

RT: 10.033 min Scan# 1333

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

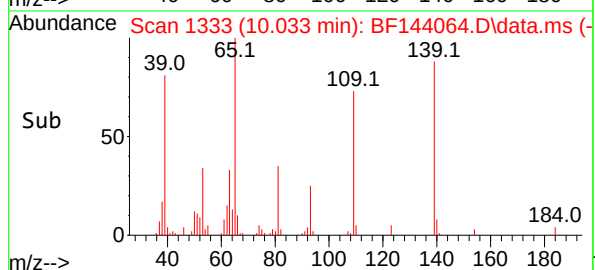
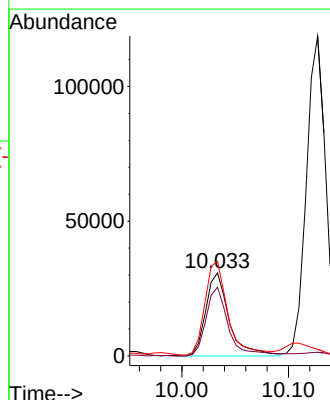
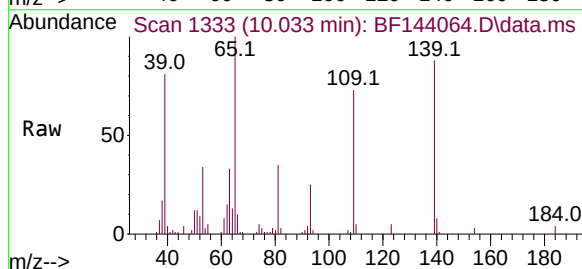
Tgt Ion:139 Resp: 46485

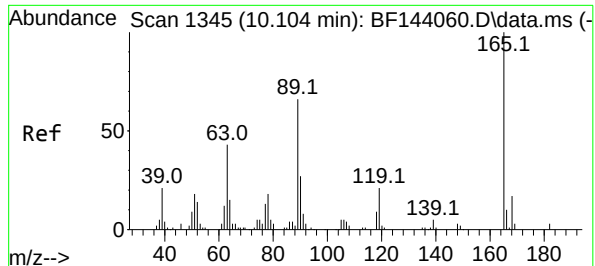
Ion Ratio Lower Upper

139 100

109 82.7 53.8 93.8

65 113.8 95.9 135.9





#57

2,4-Dinitrotoluene

Concen: 66.833 ng

RT: 10.104 min Scan# 1345

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:165 Resp: 89630

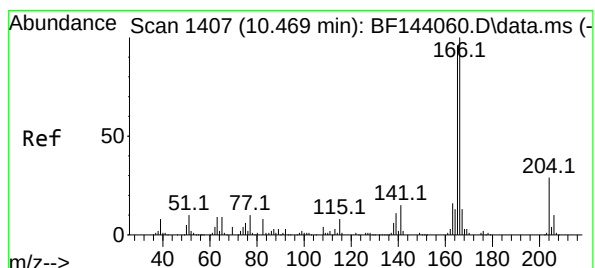
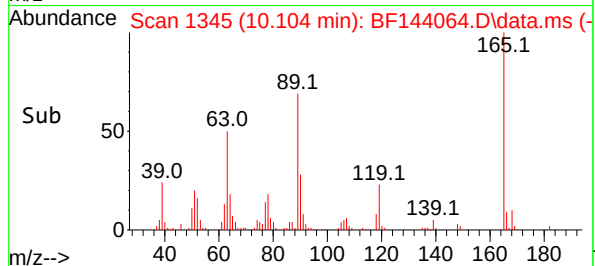
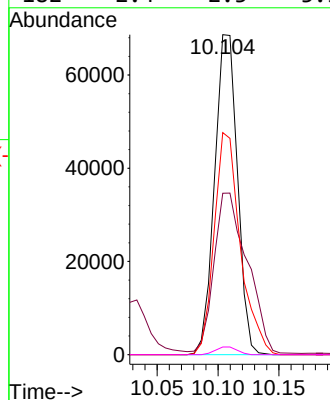
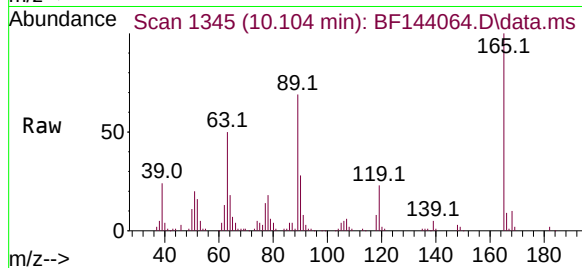
Ion Ratio Lower Upper

165 100

63 50.4 35.4 53.2

89 69.4 52.7 79.1

182 2.4 2.3 3.5



#58

Fluorene

Concen: 60.997 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

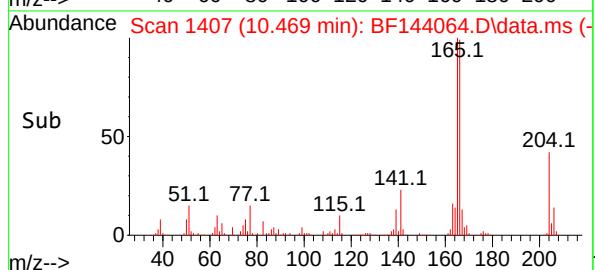
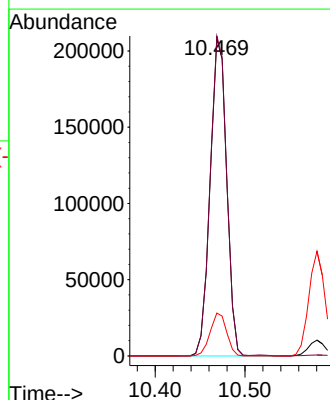
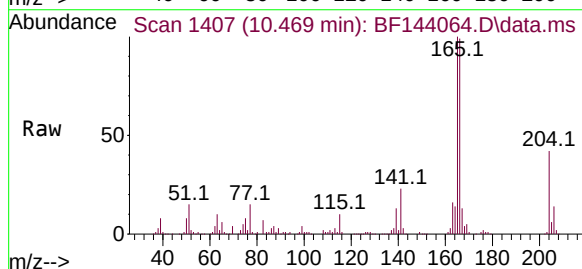
Tgt Ion:166 Resp: 267202

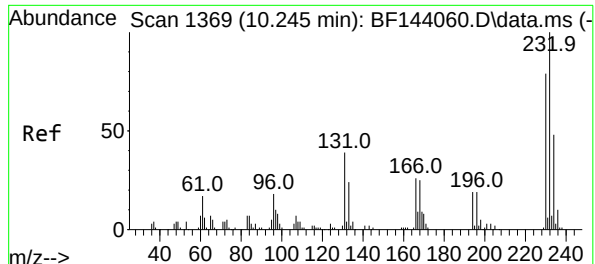
Ion Ratio Lower Upper

166 100

165 101.0 77.0 115.4

167 13.5 10.2 15.4

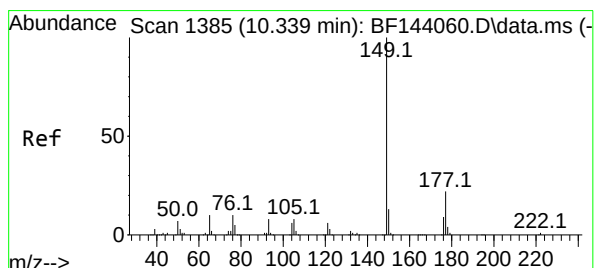
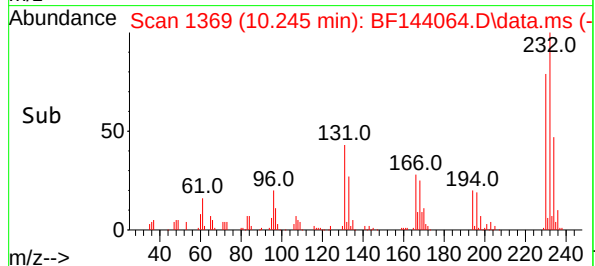
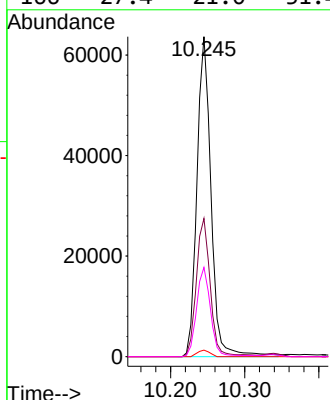
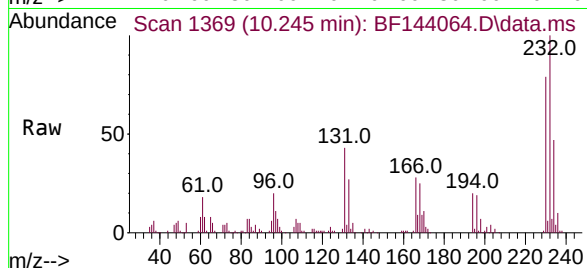




#59
2,3,4,6-Tetrachlorophenol
Concen: 66.502 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

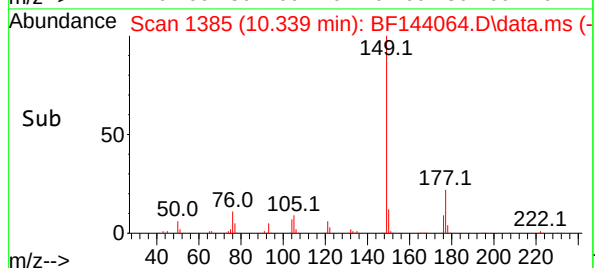
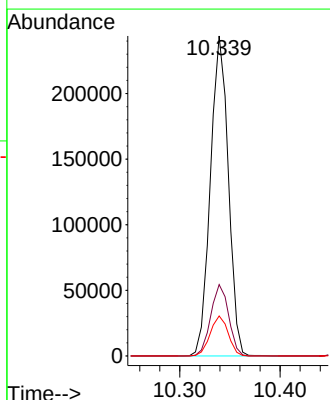
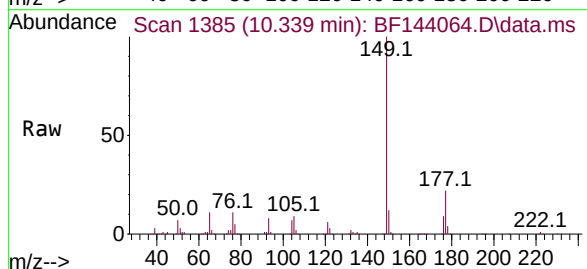
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

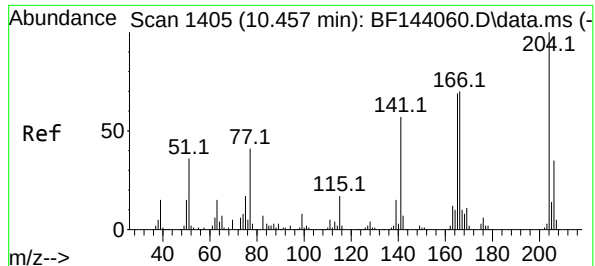
Tgt Ion:232 Resp: 84250
Ion Ratio Lower Upper
232 100
131 42.7 31.9 47.9
130 1.8 1.1 1.7#
166 27.4 21.0 31.4



#60
Diethylphthalate
Concen: 64.138 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:149 Resp: 303176
Ion Ratio Lower Upper
149 100
177 22.3 17.8 26.6
150 12.5 10.1 15.1

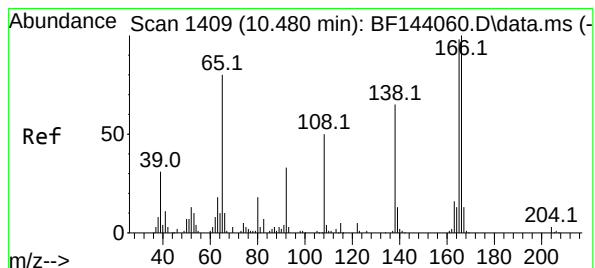
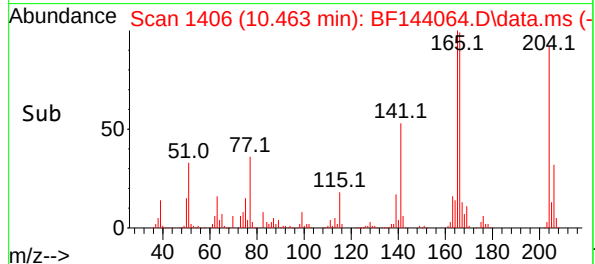
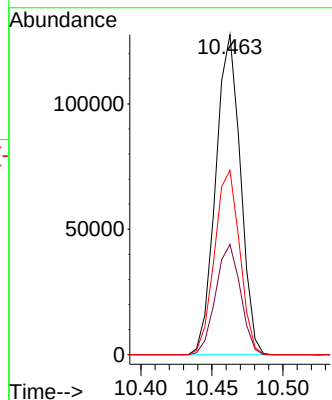
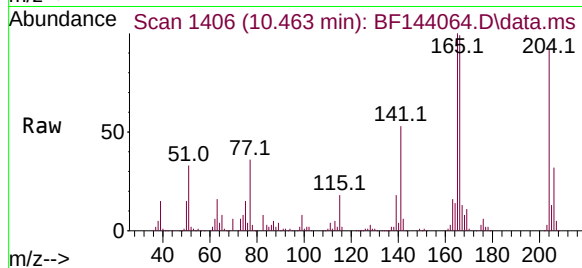




#61
4-Chlorophenyl-phenylether
Concen: 62.927 ng
RT: 10.463 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

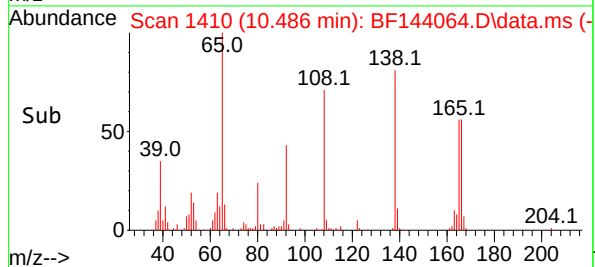
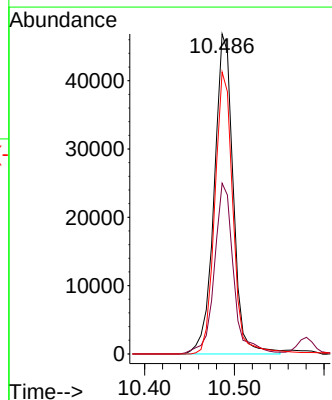
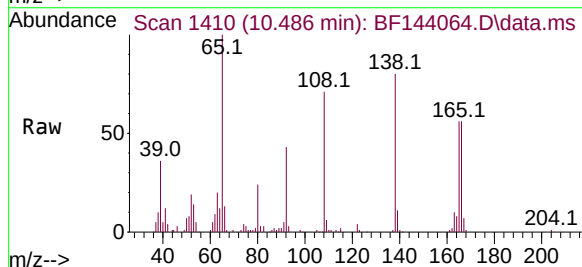
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

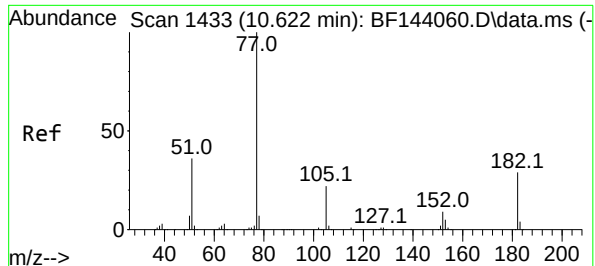
Tgt Ion:204 Resp: 155019
Ion Ratio Lower Upper
204 100
206 34.4 27.8 41.6
141 57.6 45.4 68.2



#62
4-Nitroaniline
Concen: 65.819 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:138 Resp: 68899
Ion Ratio Lower Upper
138 100
92 53.3 30.5 70.5
108 88.1 56.2 96.2

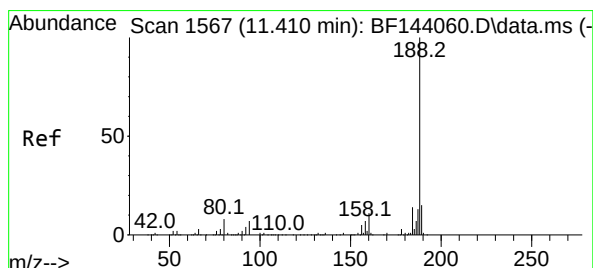
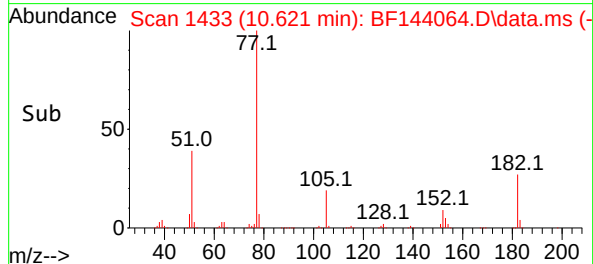
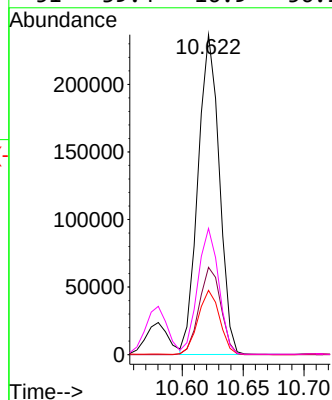
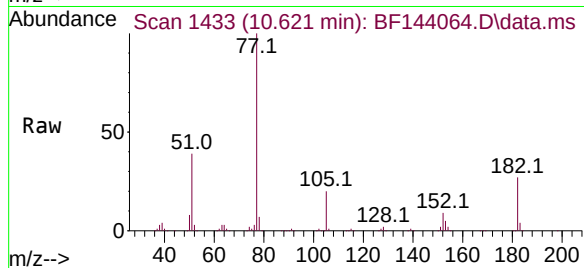




#63
Azobenzene
Concen: 64.412 ng
RT: 10.621 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

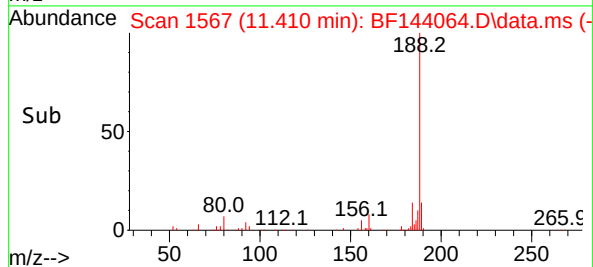
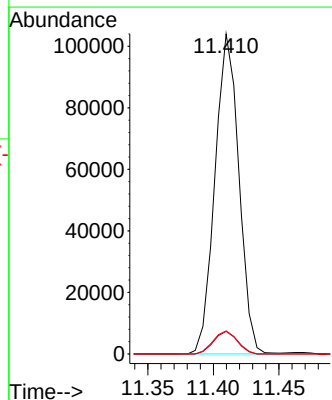
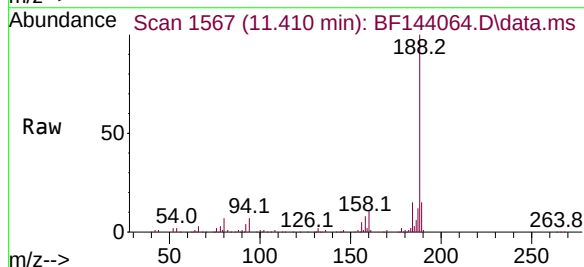
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

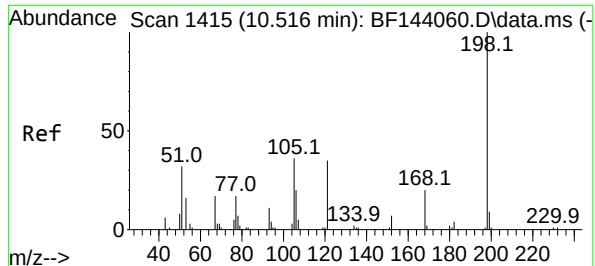
Tgt Ion:	77	Resp:	288180
Ion	Ratio	Lower	Upper
77	100		
182	27.3	9.0	49.0
105	20.1	1.4	41.4
51	39.4	16.9	56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:	188	Resp:	132038
Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.4	8.0
80	7.2	6.0	9.0

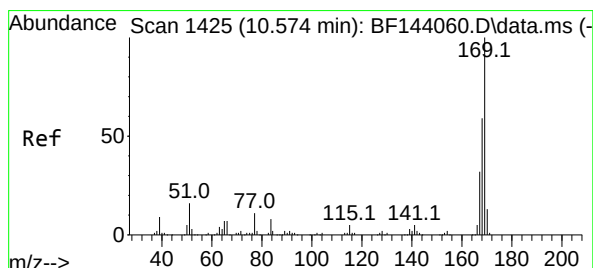
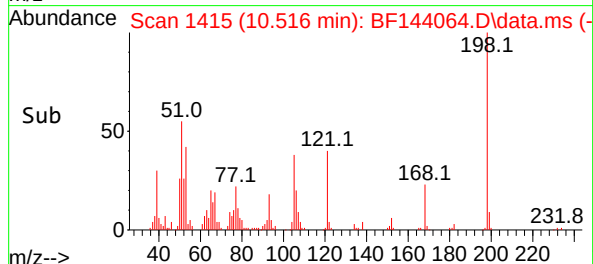
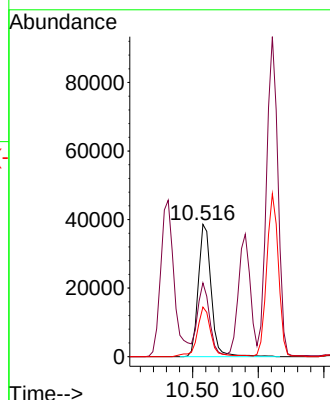
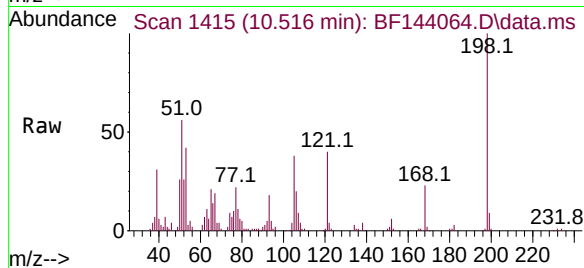




#65
4,6-Dinitro-2-methylphenol
Concen: 61.785 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

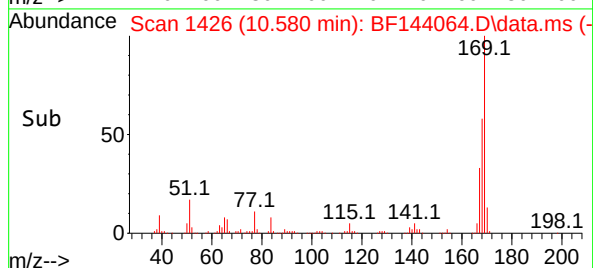
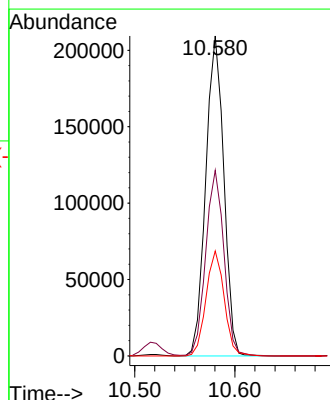
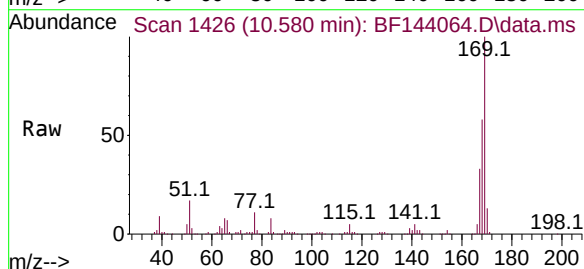
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

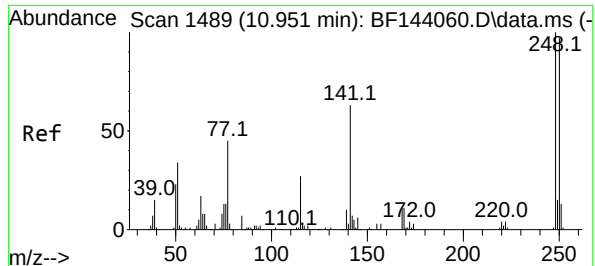
Tgt Ion	Ratio	Lower	Upper
198	100		
51	55.8	25.8	65.8
105	37.5	17.2	57.2



#66
n-Nitrosodiphenylamine
Concen: 61.911 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion	Ratio	Lower	Upper
169	100		
168	58.0	47.4	71.2
167	32.8	25.5	38.3

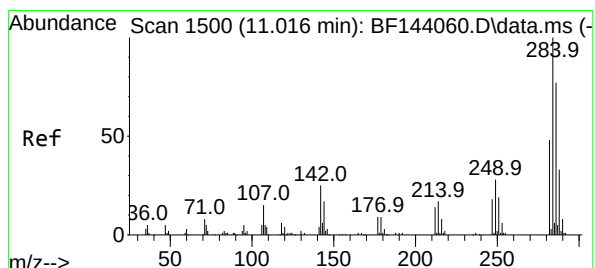
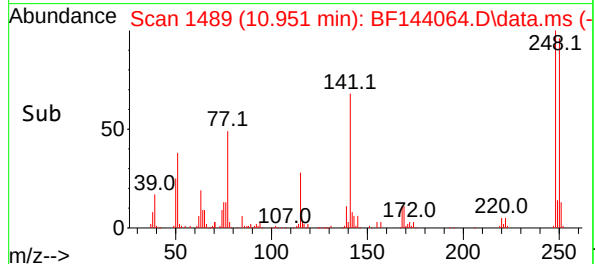
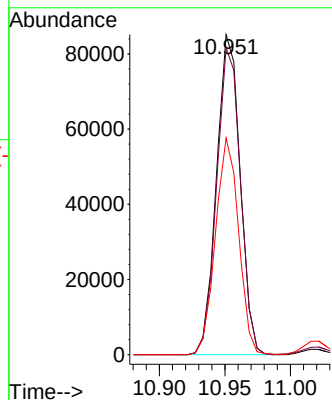
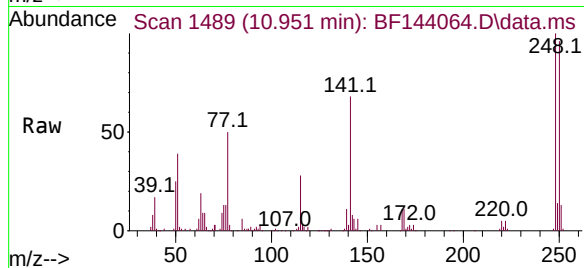




#67
4-Bromophenyl-phenylether
Concen: 64.641 ng
RT: 10.951 min Scan# 1489
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

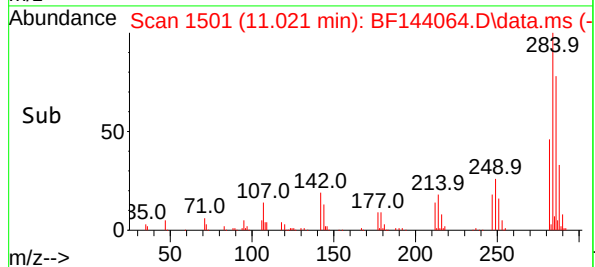
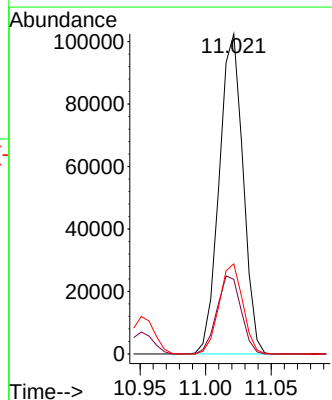
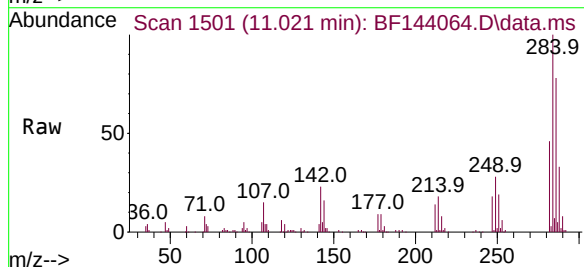
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

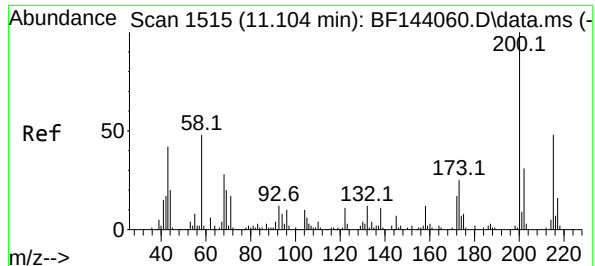
Tgt Ion:248 Resp: 106864
Ion Ratio Lower Upper
248 100
250 95.9 77.8 116.6
141 67.7 50.5 75.7



#68
Hexachlorobenzene
Concen: 64.021 ng
RT: 11.021 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:284 Resp: 129804
Ion Ratio Lower Upper
284 100
142 23.3 20.0 30.0
249 28.1 22.2 33.2





#69

Atrazine

Concen: 67.200 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

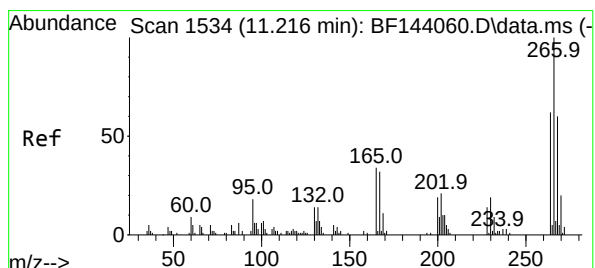
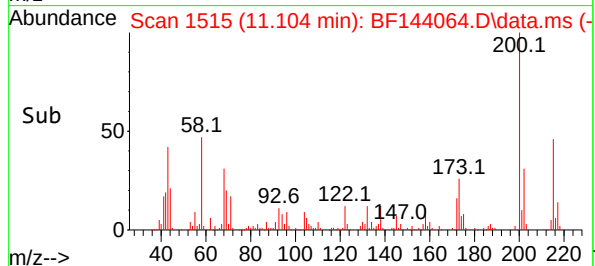
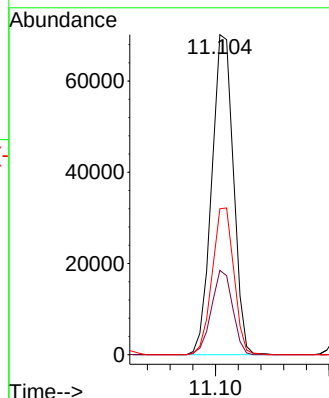
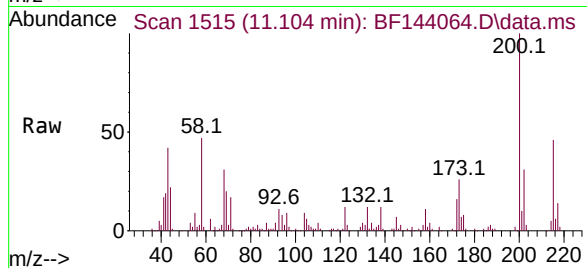
Tgt Ion:200 Resp: 93028

Ion Ratio Lower Upper

200 100

173 26.3 4.9 44.9

215 45.6 28.2 68.2



#70

Pentachlorophenol

Concen: 68.842 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

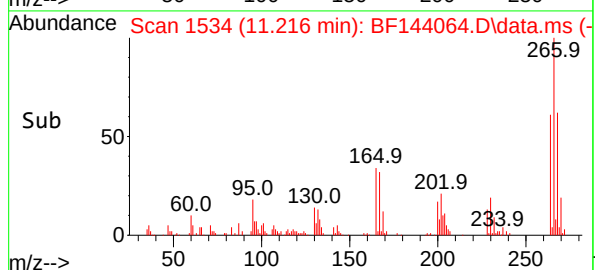
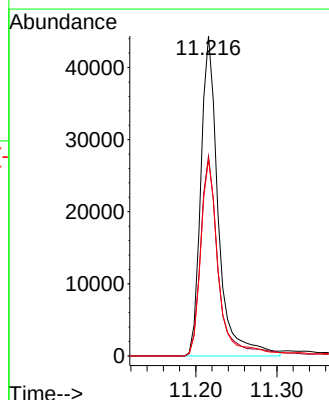
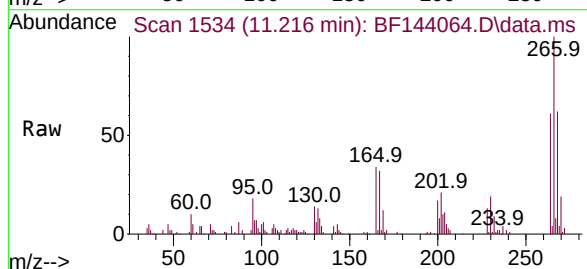
Tgt Ion:266 Resp: 66439

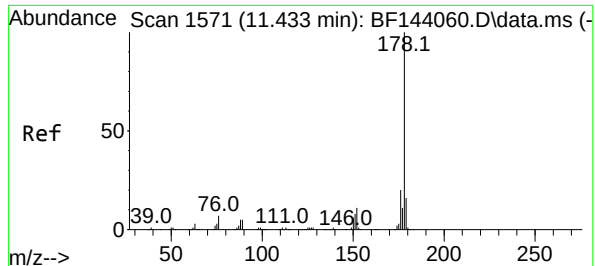
Ion Ratio Lower Upper

266 100

268 62.4 48.2 72.4

264 61.4 49.4 74.0





#71

Phenanthrene

Concen: 63.013 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

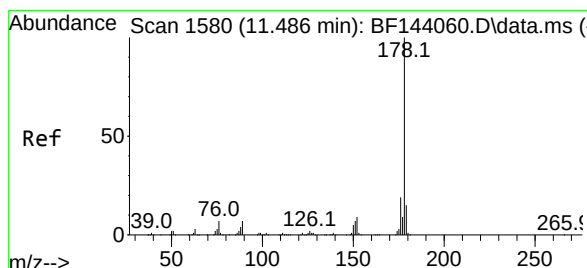
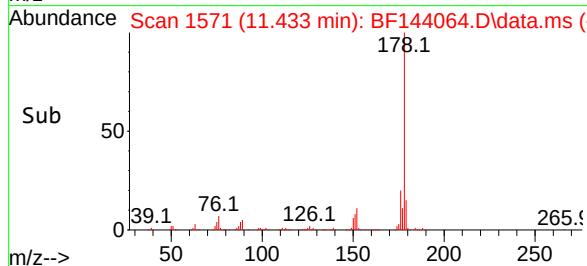
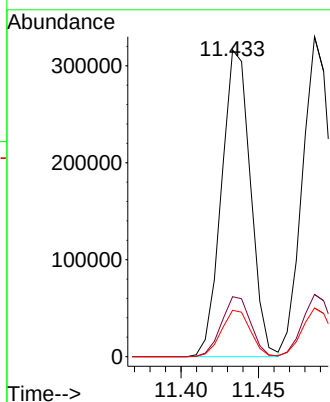
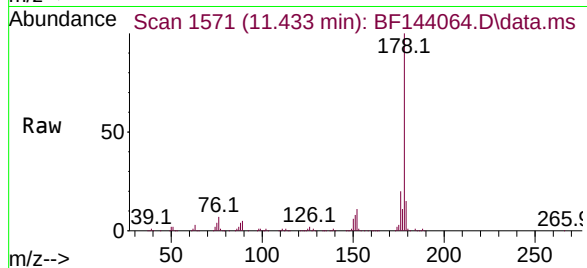
Tgt Ion:178 Resp: 413305

Ion Ratio Lower Upper

178 100

176 19.6 16.3 24.5

179 15.1 12.6 18.8



#72

Anthracene

Concen: 62.266 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

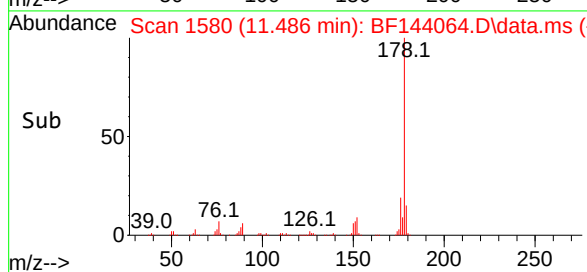
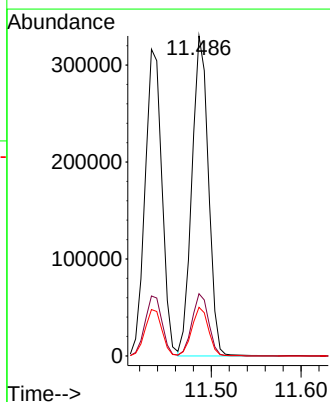
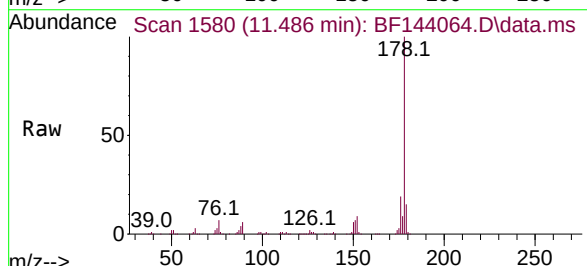
Tgt Ion:178 Resp: 421890

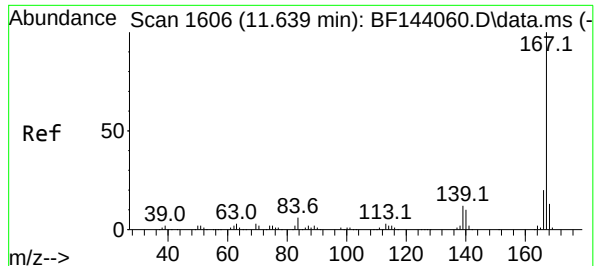
Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.4

179 15.2 11.8 17.6





#73

Carbazole

Concen: 62.276 ng

RT: 11.645 min Scan# 1607

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

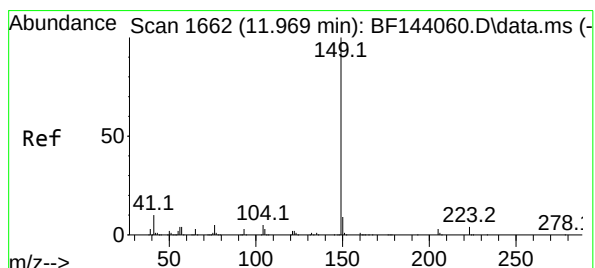
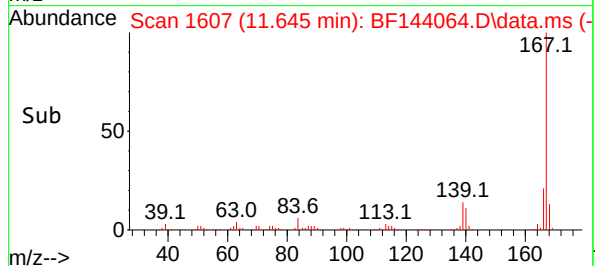
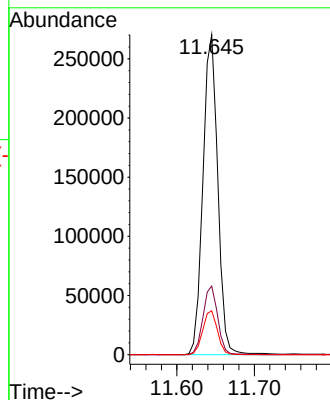
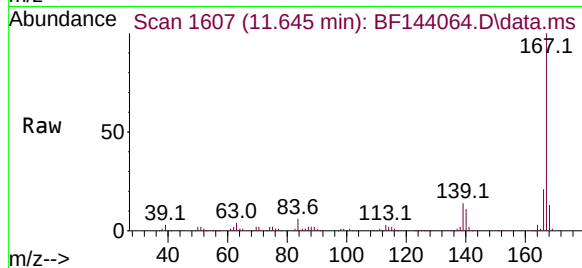
Tgt Ion:167 Resp: 359155

Ion Ratio Lower Upper

167 100

166 21.5 16.1 24.1

139 13.7 9.8 14.6



#74

Di-n-butylphthalate

Concen: 63.601 ng

RT: 11.968 min Scan# 1662

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

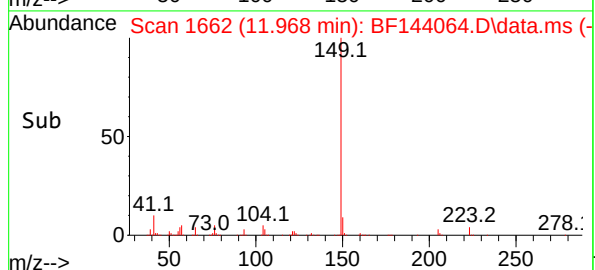
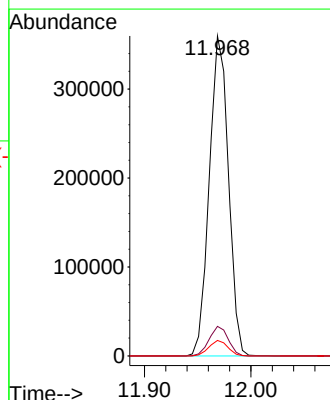
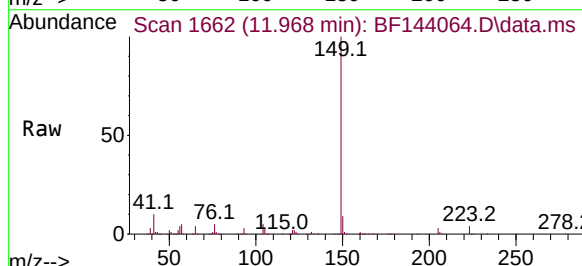
Tgt Ion:149 Resp: 449708

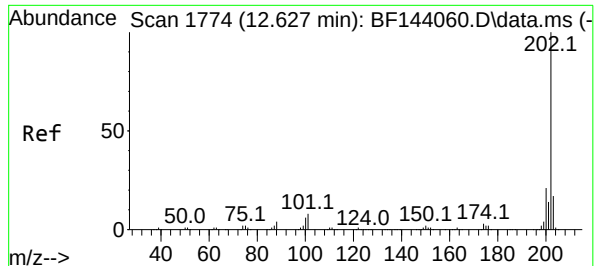
Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

104 4.8 3.6 5.4

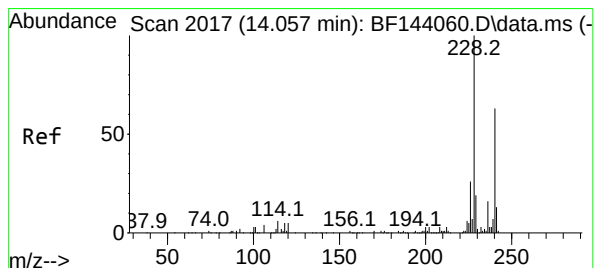
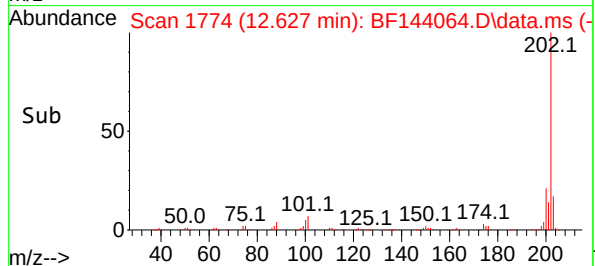
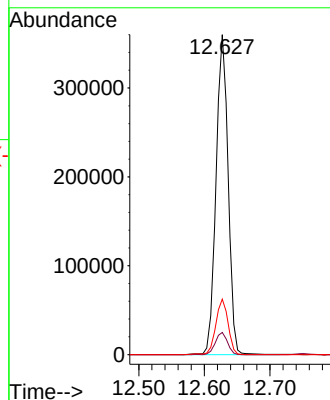
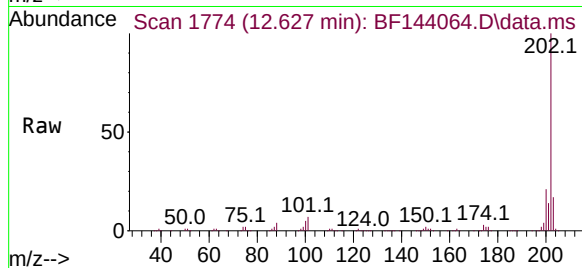




#75
Fluoranthene
Concen: 63.767 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

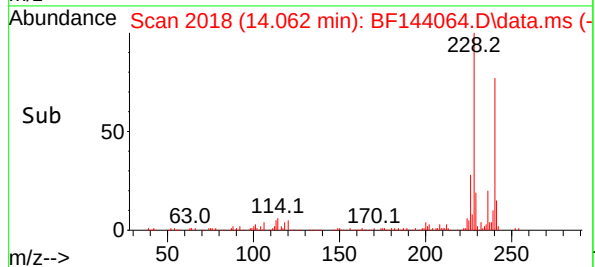
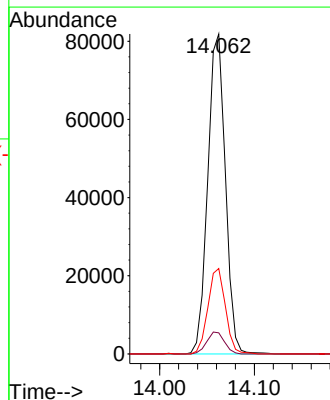
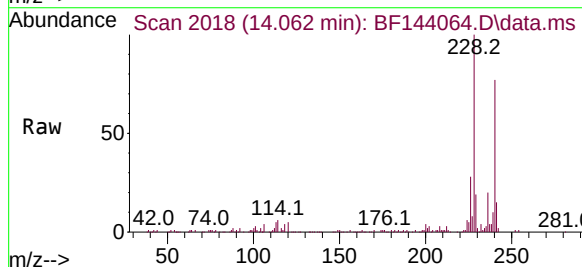
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

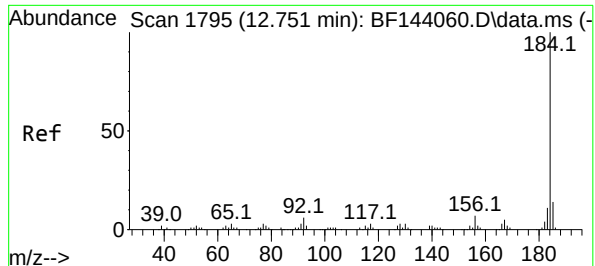
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	27.7
203	17.3	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.5	9.7
236	26.7	20.1	30.1

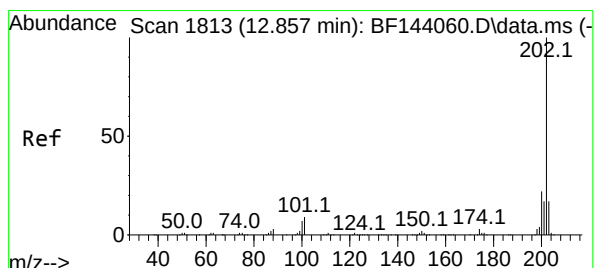
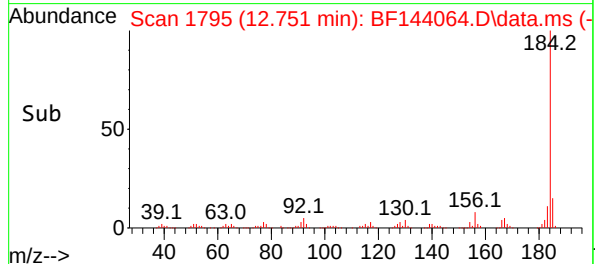
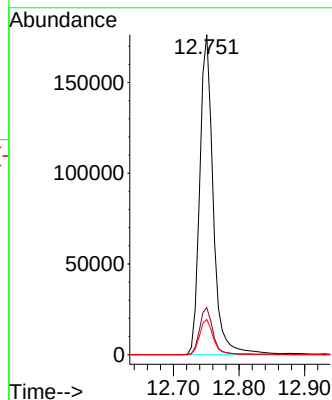
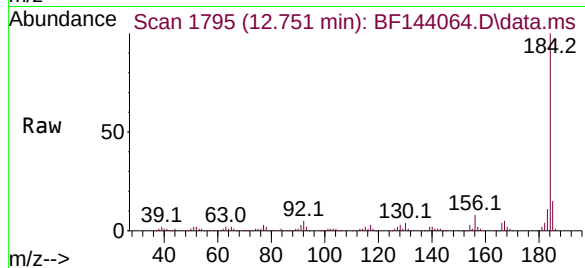




#77
Benzidine
Concen: 75.863 ng
RT: 12.751 min Scan# 1795
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

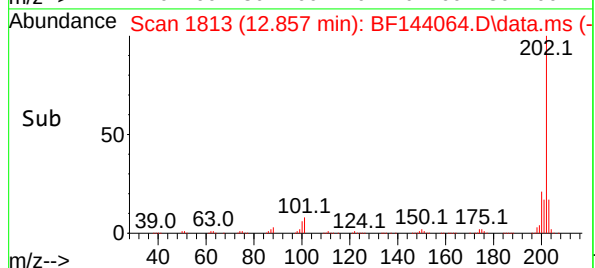
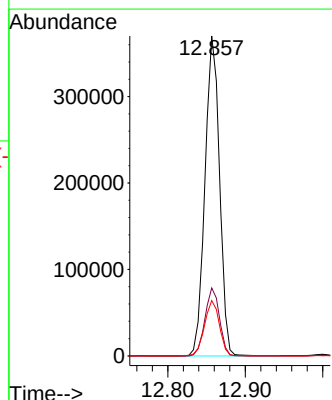
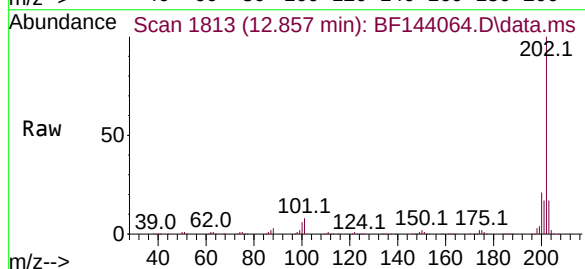
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

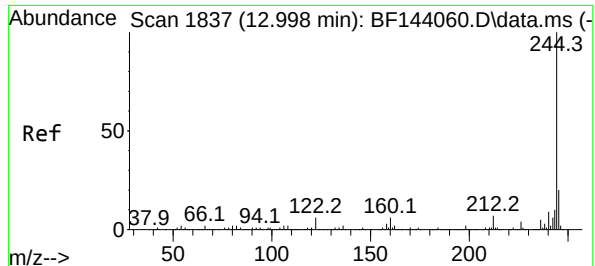
Tgt Ion:184 Resp: 250383
Ion Ratio Lower Upper
184 100
185 14.7 11.6 17.4
183 11.0 8.5 12.7



#78
Pyrene
Concen: 63.369 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:202 Resp: 483140
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 17.3 13.5 20.3





#79

Terphenyl-d14

Concen: 130.186 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF144064.D

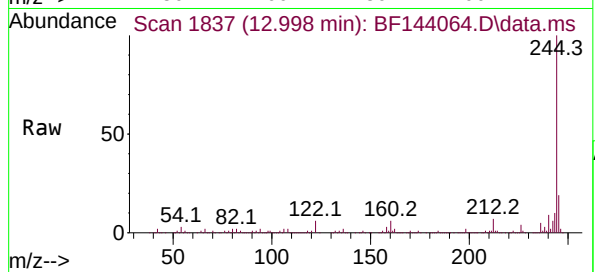
Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



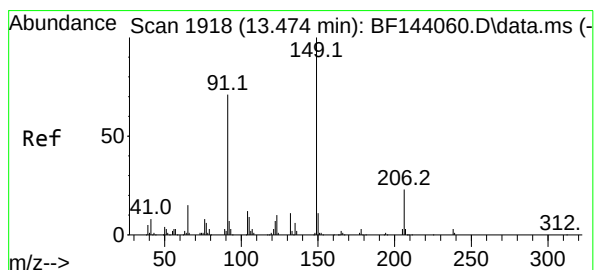
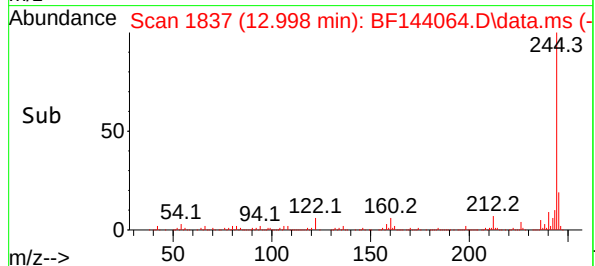
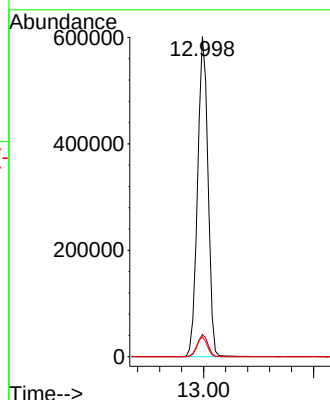
Tgt Ion:244 Resp: 789728

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 6.2 4.9 7.3



#80

Butylbenzylphthalate

Concen: 65.668 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

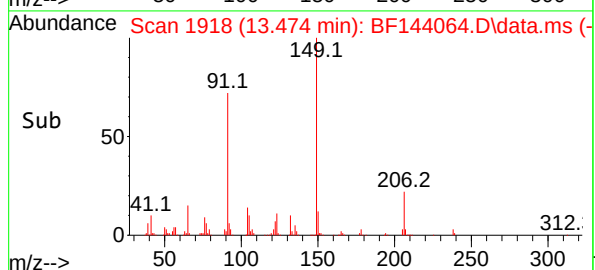
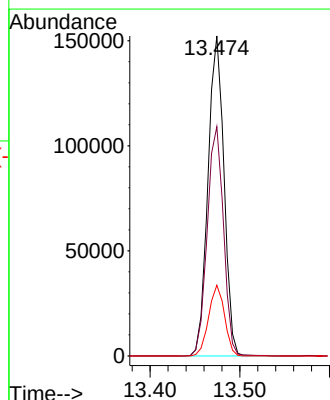
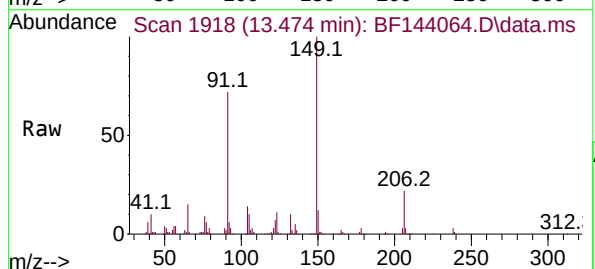
Tgt Ion:149 Resp: 189412

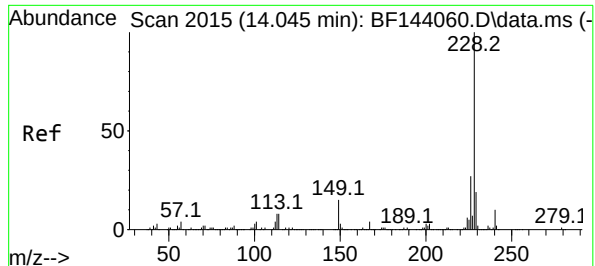
Ion Ratio Lower Upper

149 100

91 71.6 56.6 84.8

206 22.1 18.3 27.5





#81

Benzo(a)anthracene

Concen: 66.219 ng

RT: 14.051 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

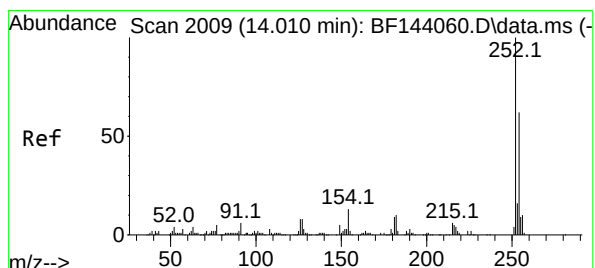
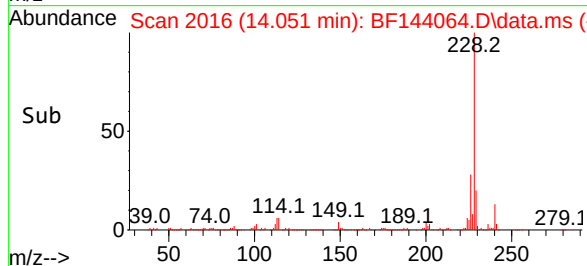
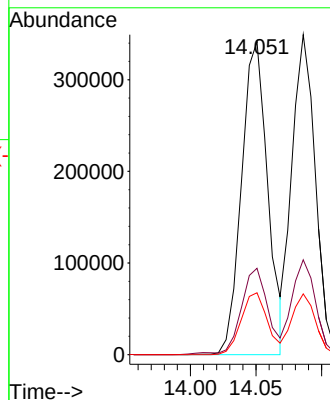
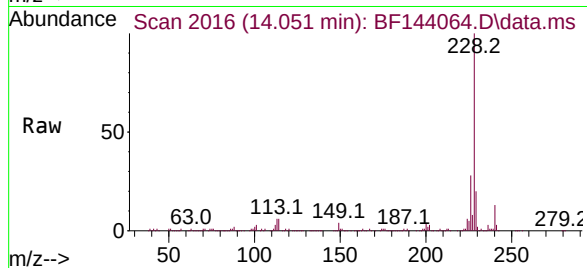
Tgt Ion:228 Resp: 474589

Ion Ratio Lower Upper

228 100

226 27.6 21.4 32.2

229 19.7 15.3 22.9



#82

3,3'-Dichlorobenzidine

Concen: 67.487 ng

RT: 14.010 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

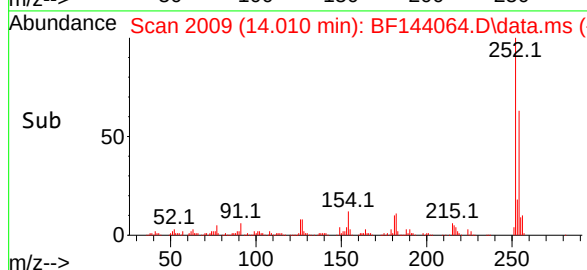
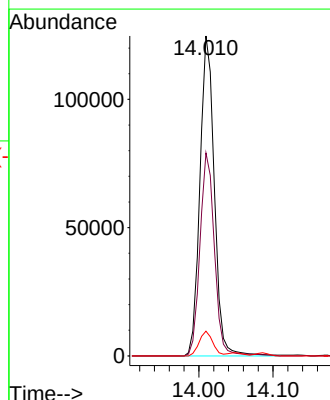
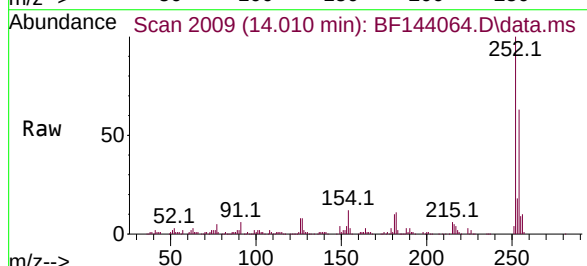
Tgt Ion:252 Resp: 168368

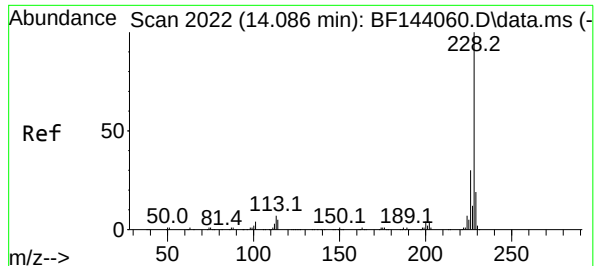
Ion Ratio Lower Upper

252 100

254 63.4 49.9 74.9

126 7.7 6.5 9.7





#83

Chrysene

Concen: 64.608 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

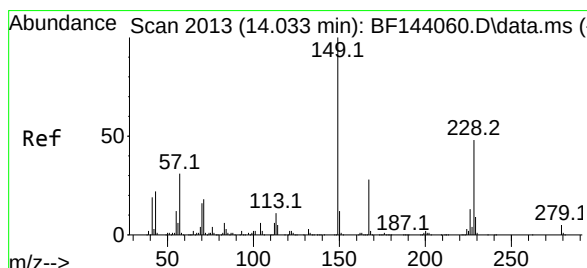
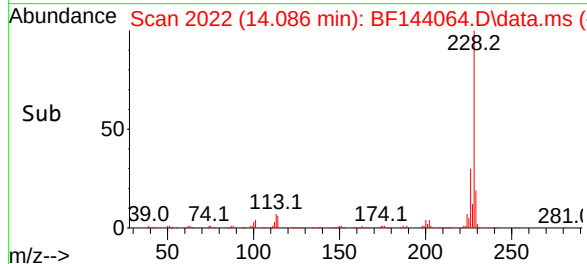
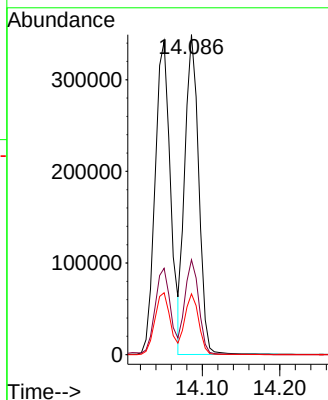
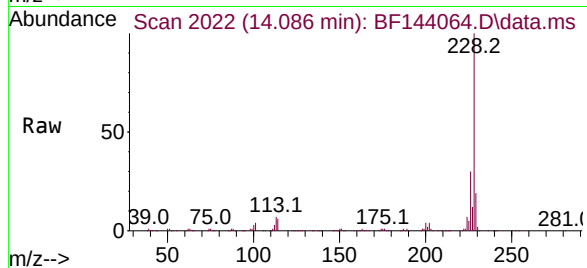
Tgt Ion:228 Resp: 434514

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

229 19.0 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 65.663 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

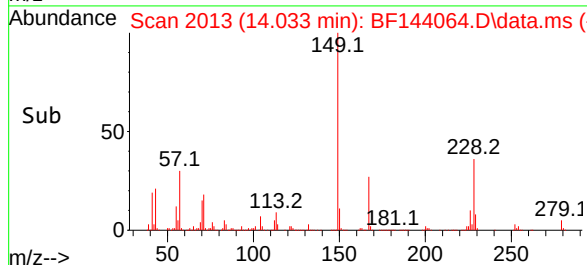
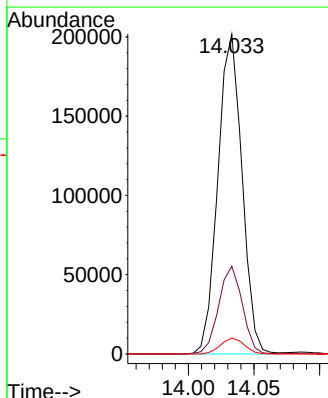
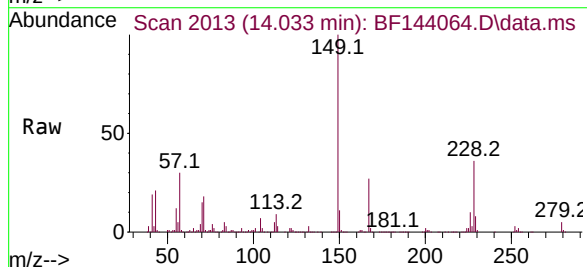
Tgt Ion:149 Resp: 258560

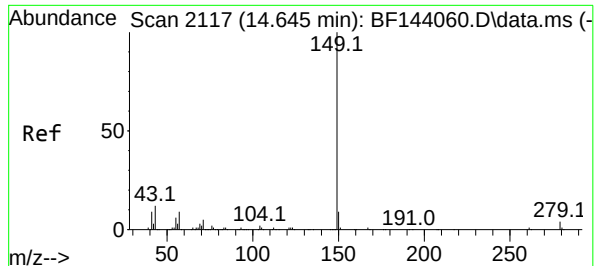
Ion Ratio Lower Upper

149 100

167 27.4 22.5 33.7

279 5.0 3.6 5.4

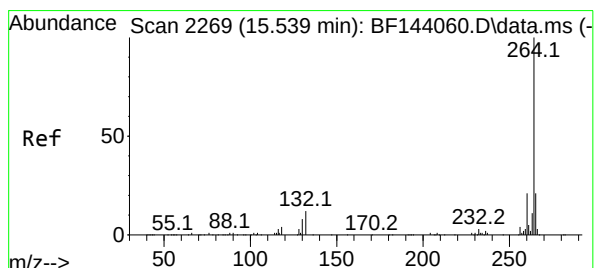
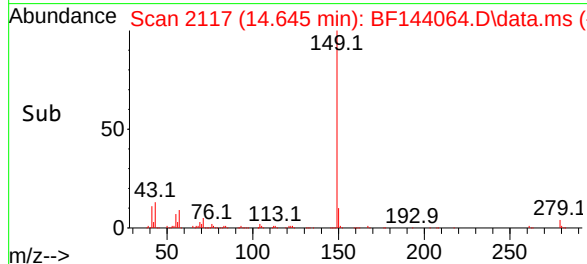
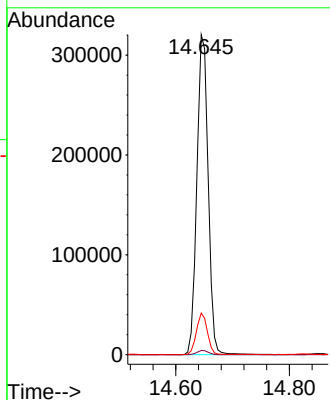
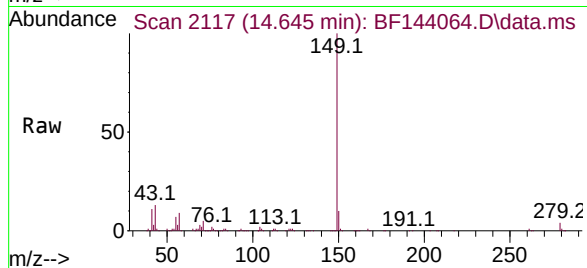




#85
Di-n-octyl phthalate
Concen: 64.942 ng
RT: 14.645 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

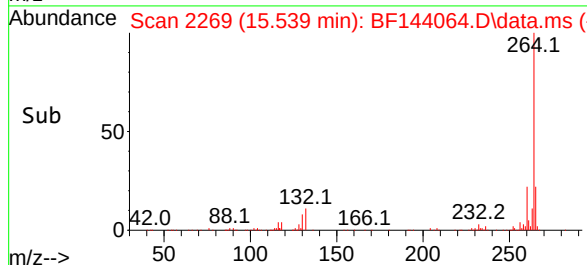
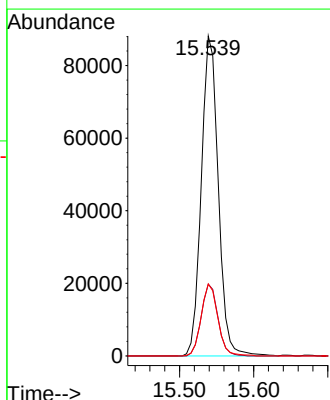
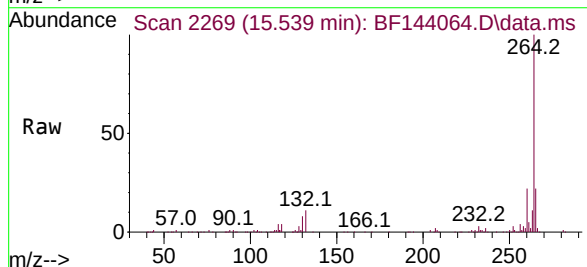
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

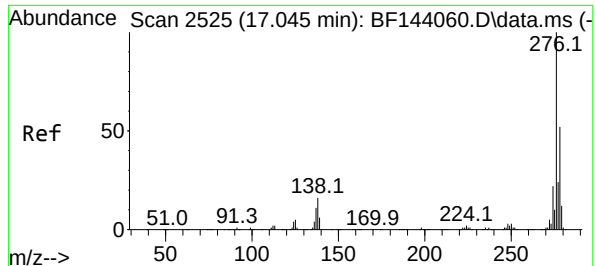
Tgt Ion:149 Resp: 439771
Ion Ratio Lower Upper
149 100
167 1.3 1.2 1.8
43 12.7 9.3 13.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144064.D
Acq: 24 Oct 2025 16:24

Tgt Ion:264 Resp: 140075
Ion Ratio Lower Upper
264 100
260 22.4 17.0 25.4
265 22.5 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 65.606 ng

RT: 17.056 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

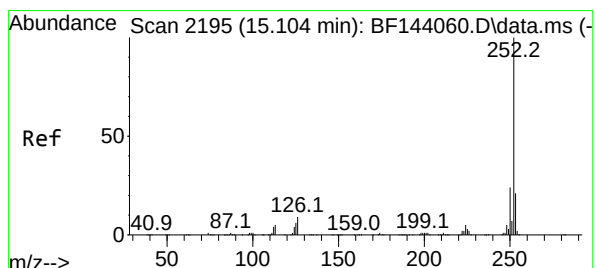
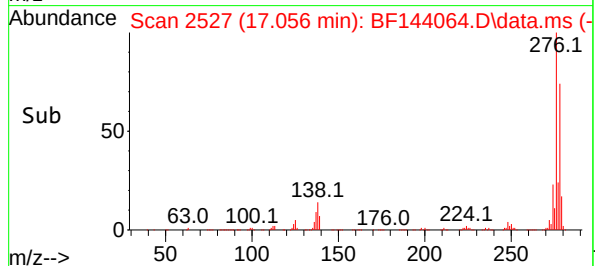
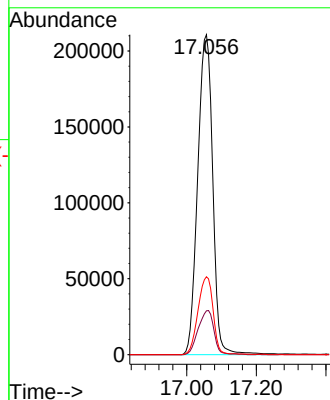
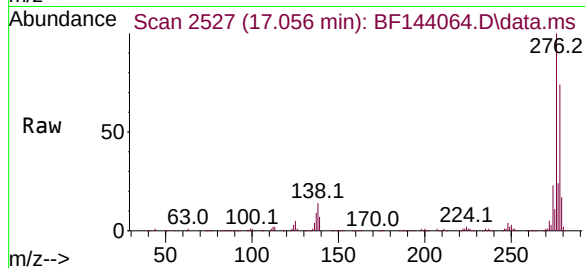
Tgt Ion:276 Resp: 630927

Ion Ratio Lower Upper

276 100

138 14.2 13.0 19.6

277 24.4 19.4 29.0



#88

Benzo(b)fluoranthene

Concen: 61.071 ng

RT: 15.109 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

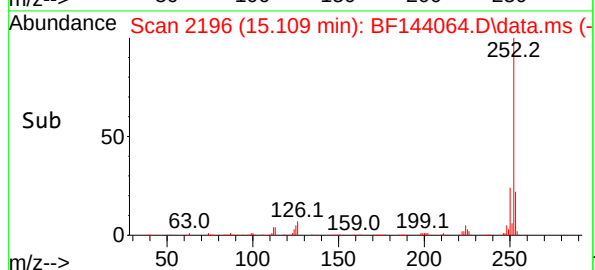
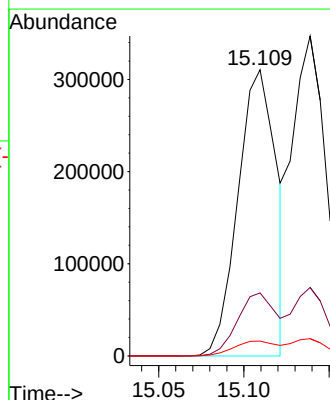
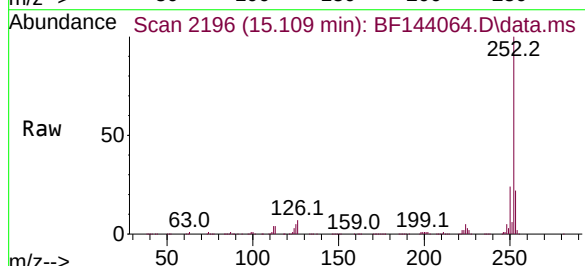
Tgt Ion:252 Resp: 483612

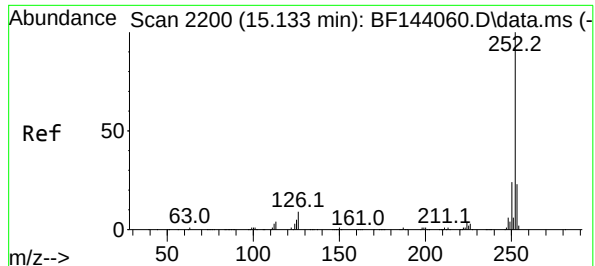
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 5.2 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 66.551 ng

RT: 15.139 min Scan# 2200

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

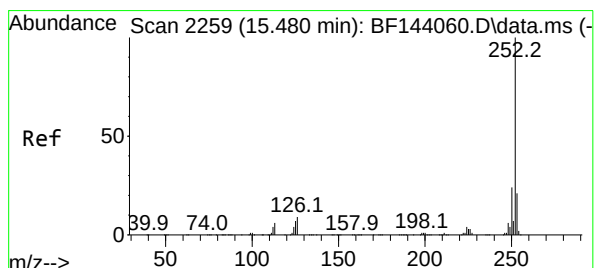
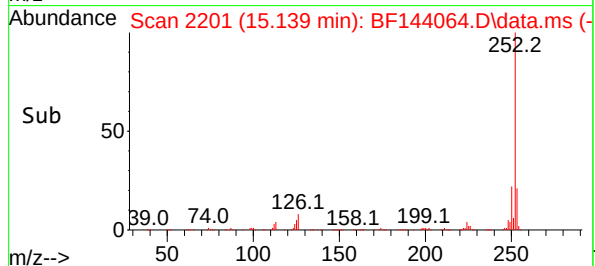
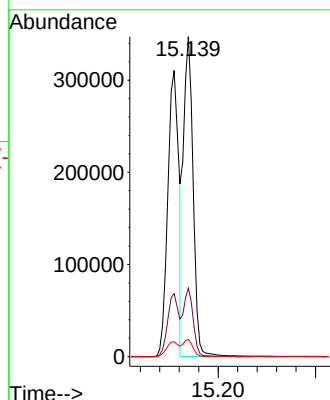
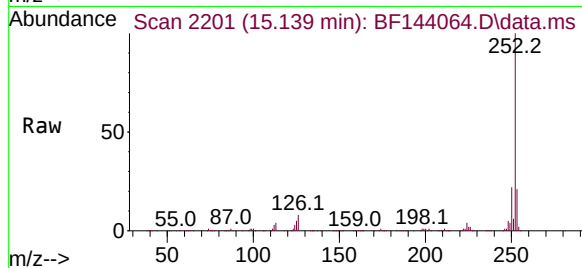
Tgt Ion:252 Resp: 486238

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 5.4 4.9 7.3



#90

Benzo(a)pyrene

Concen: 64.222 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.000 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

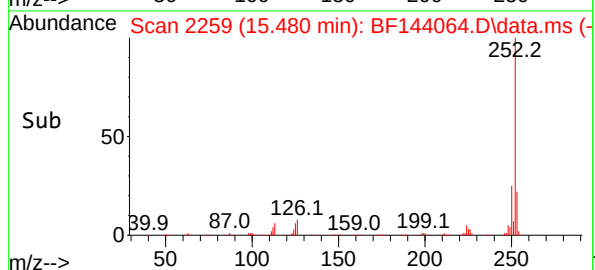
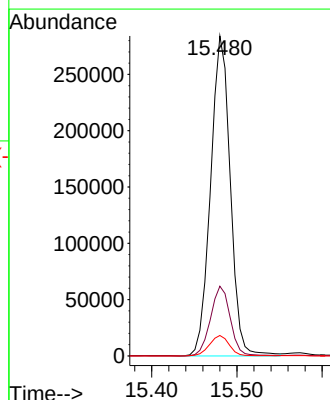
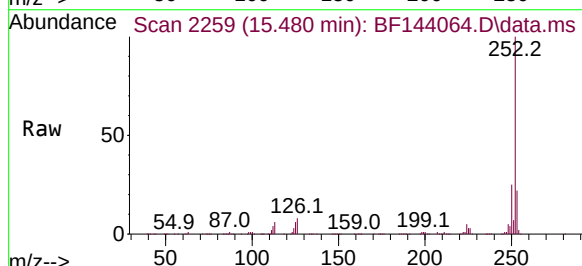
Tgt Ion:252 Resp: 456250

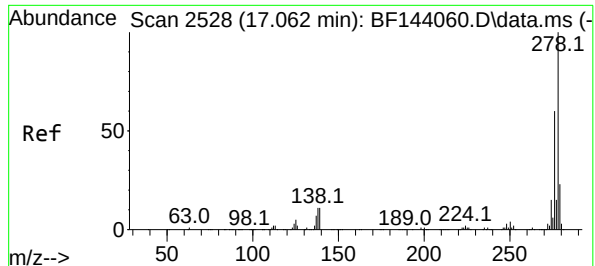
Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

125 6.4 5.4 8.2





#91

Dibenzo(a,h)anthracene

Concen: 65.994 ng

RT: 17.068 min Scan# 2528

Delta R.T. 0.006 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

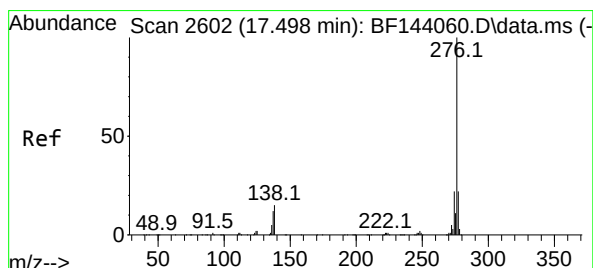
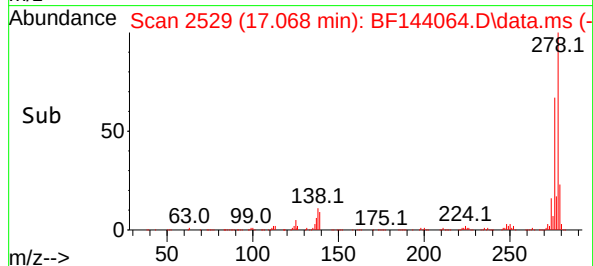
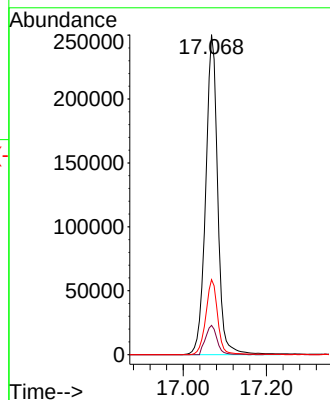
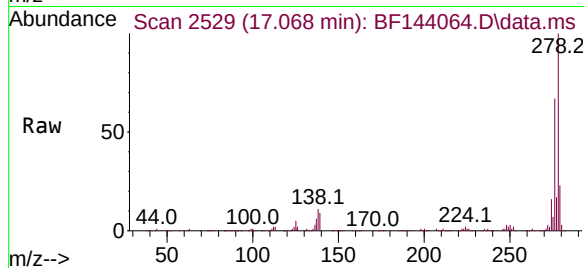
Tgt Ion:278 Resp: 502376

Ion Ratio Lower Upper

278 100

139 9.1 8.5 12.7

279 23.4 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 65.439 ng

RT: 17.509 min Scan# 2604

Delta R.T. 0.012 min

Lab File: BF144064.D

Acq: 24 Oct 2025 16:24

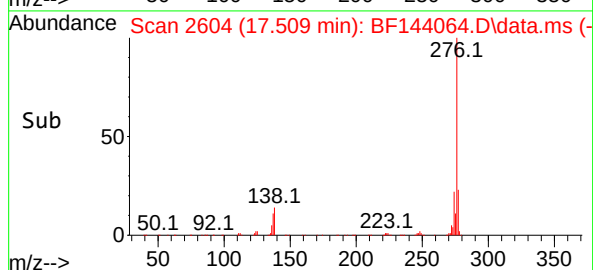
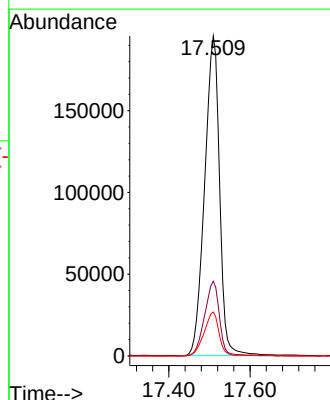
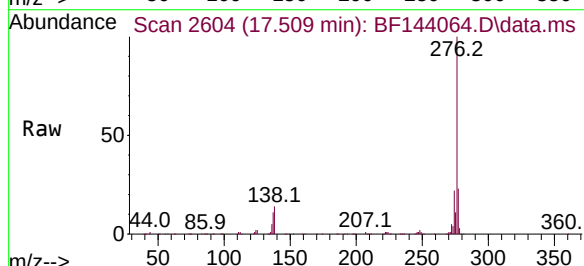
Tgt Ion:276 Resp: 500846

Ion Ratio Lower Upper

276 100

277 23.3 17.9 26.9

138 13.7 12.0 18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	39660	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	138565	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	76145	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	127305	20.000	ng	0.00
76) Chrysene-d12	14.057	240	97298	20.000	ng	0.00
86) Perylene-d12	15.539	264	122912	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	176184	70.283	ng	0.00
7) Phenol-d6	6.504	99	190899	68.955	ng	0.00
23) Nitrobenzene-d5	7.440	82	178800	70.696	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	66490	68.551	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	366420	67.717	ng	0.00
79) Terphenyl-d14	12.998	244	409300	73.542	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	38586	35.621	ng	94
3) Pyridine	3.405	79	94470	32.576	ng	96
4) n-Nitrosodimethylamine	3.346	42	65742	36.893	ng	93
6) Aniline	6.540	93	143853	36.320	ng	98
8) 2-Chlorophenol	6.663	128	82897	33.579	ng	98
9) Benzaldehyde	6.434	77	74914	34.852	ng	98
10) Phenol	6.516	94	119040	34.853	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	83544	33.851	ng	98
12) 1,3-Dichlorobenzene	6.822	146	112585	36.971	ng	99
13) 1,4-Dichlorobenzene	6.898	146	111592	37.183	ng	99
14) 1,2-Dichlorobenzene	7.051	146	104166	35.872	ng	99
15) Benzyl Alcohol	7.016	79	81782	36.330	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	160104	34.517	ng	100
17) 2-Methylphenol	7.128	107	66743	35.152	ng	96
18) Hexachloroethane	7.392	117	37228	34.696	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	62662	35.002	ng	99
20) 3+4-Methylphenols	7.281	107	81018	36.095	ng	92
22) Acetophenone	7.287	105	115151	38.453	ng	97
24) Nitrobenzene	7.457	77	98332	36.753	ng	97
25) Isophorone	7.698	82	160608	36.322	ng	100
26) 2-Nitrophenol	7.775	139	46278	36.360	ng	95
27) 2,4-Dimethylphenol	7.810	122	74530	39.405	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	97014	35.182	ng	97
29) 2,4-Dichlorophenol	8.016	162	78967	35.901	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	87660	38.739	ng	99
31) Naphthalene	8.181	128	234353	35.834	ng	99
32) Benzoic acid	7.922	122	52854	44.054	ng	88
33) 4-Chloroaniline	8.234	127	94319	41.428	ng	99
34) Hexachlorobutadiene	8.298	225	70793	38.260	ng	97
35) Caprolactam	8.587	113	19488	35.331	ng	# 84
36) 4-Chloro-3-methylphenol	8.710	107	70096	36.112	ng	94
37) 2-Methylnaphthalene	8.875	142	143296	33.233	ng	94
38) 1-Methylnaphthalene	8.975	142	146838	35.945	ng	97
40) 1,2,4,5-Tetrachloroben...	9.039	216	91910	35.121	ng	99
41) Hexachlorocyclopentadiene	9.028	237	39270	48.585	ng	94
43) 2,4,6-Trichlorophenol	9.151	196	57810	33.986	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144065.D
 Acq On : 24 Oct 2025 17:22
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF102425

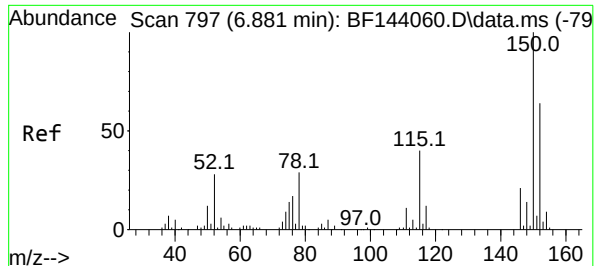
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	64300	36.018	ng	94
46) 1,1'-Biphenyl	9.339	154	192660	35.345	ng	99
47) 2-Chloronaphthalene	9.363	162	159410	34.908	ng	99
48) 2-Nitroaniline	9.457	65	49659	36.621	ng	95
49) Acenaphthylene	9.781	152	243055	39.474	ng	99
50) Dimethylphthalate	9.634	163	170189	34.098	ng	99
51) 2,6-Dinitrotoluene	9.698	165	34990	35.461	ng	96
52) Acenaphthene	9.951	154	144520	35.145	ng	99
53) 3-Nitroaniline	9.869	138	39278	35.804	ng	98
54) 2,4-Dinitrophenol	9.981	184	21935	41.102	ng	94
55) Dibenzofuran	10.122	168	194900	34.140	ng	98
56) 4-Nitrophenol	10.028	139	28418	38.254	ng	95
57) 2,4-Dinitrotoluene	10.104	165	49275	37.002	ng	96
58) Fluorene	10.469	166	151653	34.864	ng	96
59) 2,3,4,6-Tetrachlorophenol	10.239	232	49354	39.232	ng	# 96
60) Diethylphthalate	10.333	149	166357	35.442	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	86789	35.479	ng	99
62) 4-Nitroaniline	10.481	138	35087	33.756	ng	90
63) Azobenzene	10.616	77	161807	36.422	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	30929	37.867	ng	97
66) n-Nitrosodiphenylamine	10.575	169	146733	36.075	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	56286	35.313	ng	96
68) Hexachlorobenzene	11.016	284	70184	35.903	ng	98
69) Atrazine	11.104	200	48908	36.643	ng	99
70) Pentachlorophenol	11.216	266	30927	33.237	ng	95
71) Phenanthrene	11.433	178	228423	36.120	ng	98
72) Anthracene	11.486	178	233757	35.782	ng	99
73) Carbazole	11.639	167	196006	35.250	ng	98
74) Di-n-butylphthalate	11.969	149	245199	35.967	ng	100
75) Fluoranthene	12.622	202	244043	34.929	ng	99
77) Benzidine	12.745	184	146518	48.386	ng	99
78) Pyrene	12.857	202	246902	35.297	ng	100
80) Butylbenzylphthalate	13.469	149	94583	35.741	ng	98
81) Benzo(a)anthracene	14.045	228	234218	35.620	ng	98
82) 3,3'-Dichlorobenzidine	14.010	252	97608	42.643	ng	99
83) Chrysene	14.080	228	224422	36.371	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	130456	36.110	ng	98
85) Di-n-octyl phthalate	14.645	149	218335	35.142	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.039	276	302575	35.856	ng	100
88) Benzo(b)fluoranthene	15.104	252	234274	33.715	ng	99
89) Benzo(k)fluoranthene	15.133	252	240517	37.516	ng	99
90) Benzo(a)pyrene	15.474	252	229237	36.773	ng	99
91) Dibenzo(a,h)anthracene	17.057	278	240551	36.012	ng	98
92) Benzo(g,h,i)perylene	17.492	276	248094	36.942	ng	98

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

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

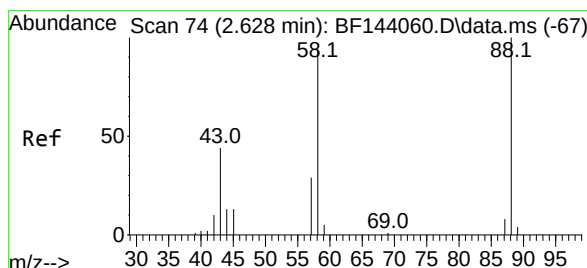
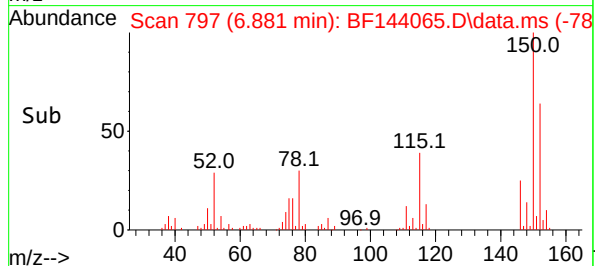
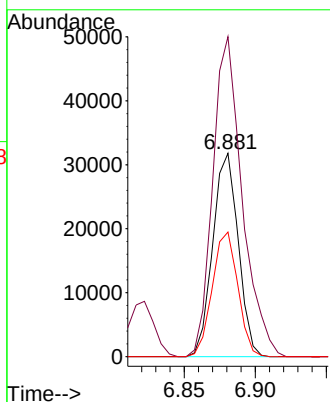
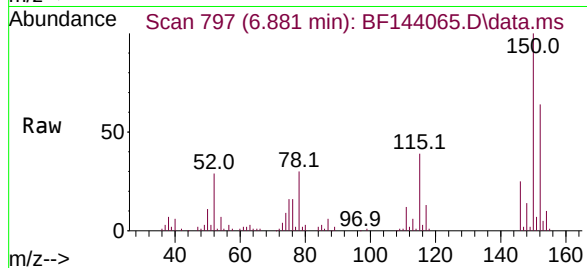
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- 2
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- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

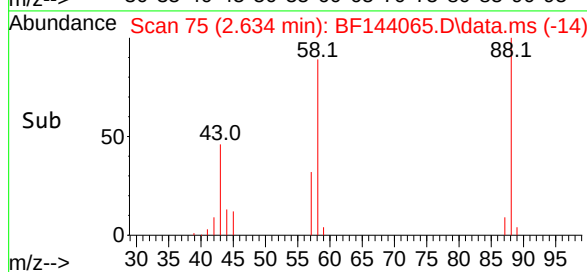
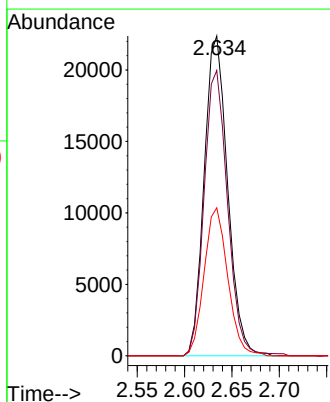
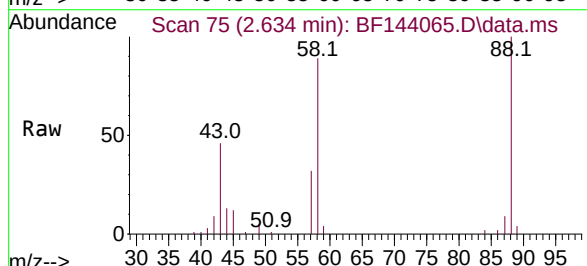
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

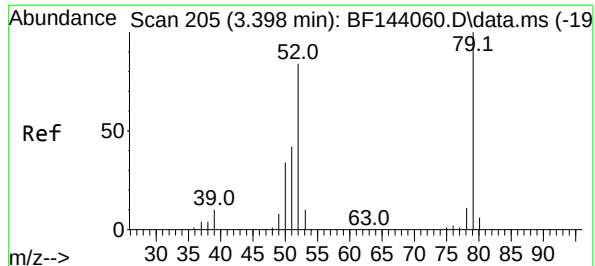
Tgt Ion:152 Resp: 39660
Ion Ratio Lower Upper
152 100
150 157.4 124.4 186.6
115 61.2 49.4 74.0



#2
1,4-Dioxane
Concen: 35.621 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 88 Resp: 38586
Ion Ratio Lower Upper
88 100
58 89.3 76.5 114.7
43 46.7 35.3 52.9

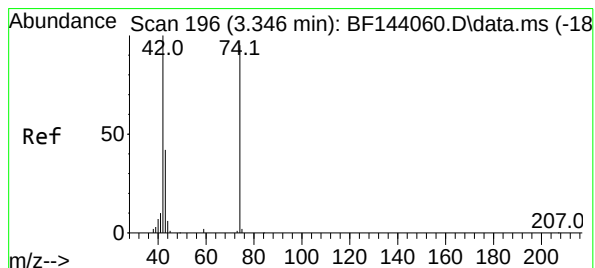
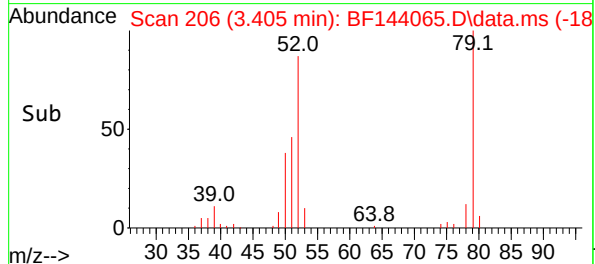
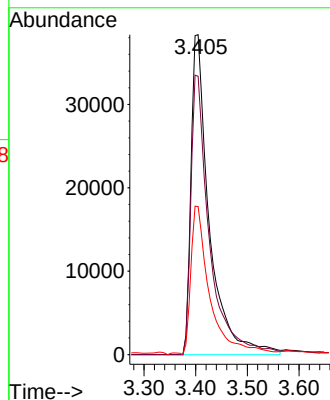
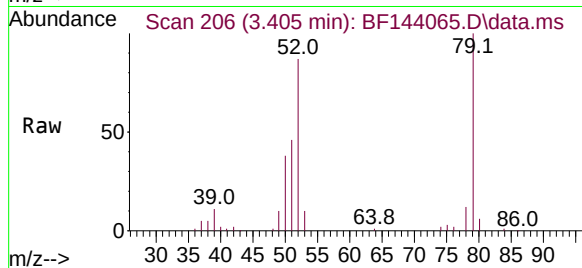




#3
Pyridine
Concen: 32.576 ng
RT: 3.405 min Scan# 205
Delta R.T. 0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

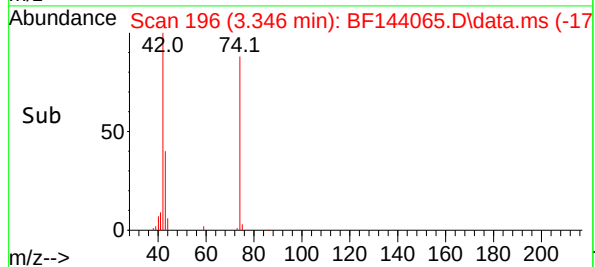
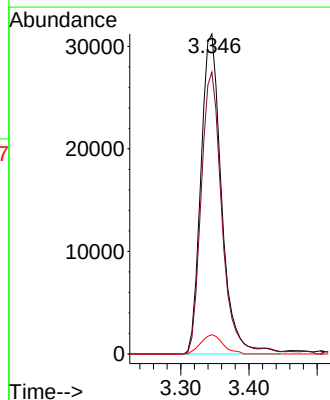
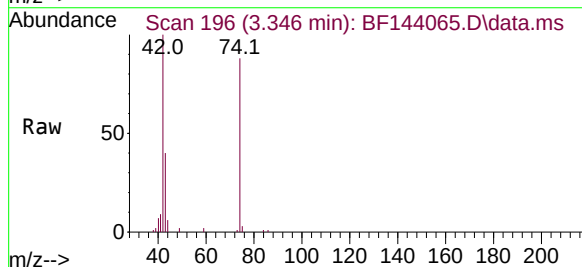
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

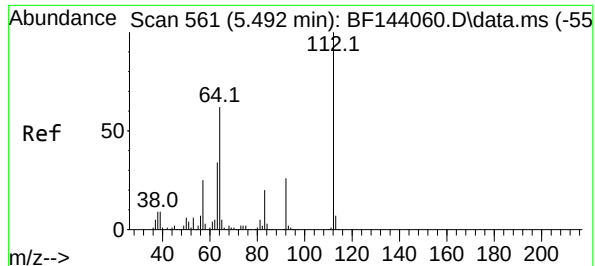
Tgt Ion	Ratio	Lower	Upper
79	100		
52	87.0	67.5	101.3
51	46.3	33.6	50.4



#4
n-Nitrosodimethylamine
Concen: 36.893 ng
RT: 3.346 min Scan# 196
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion	Ratio	Lower	Upper
42	100		
74	88.1	76.4	114.6
44	6.0	5.2	7.8

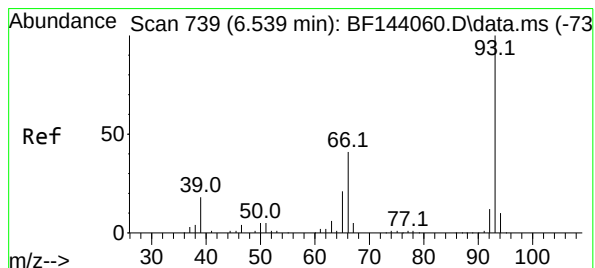
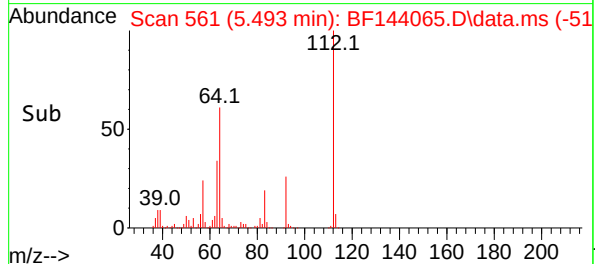
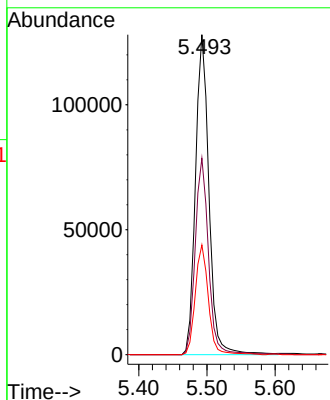
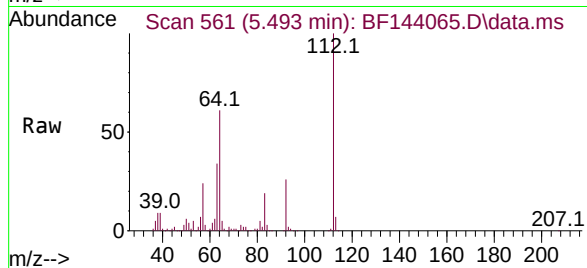




#5
2-Fluorophenol
Concen: 70.283 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

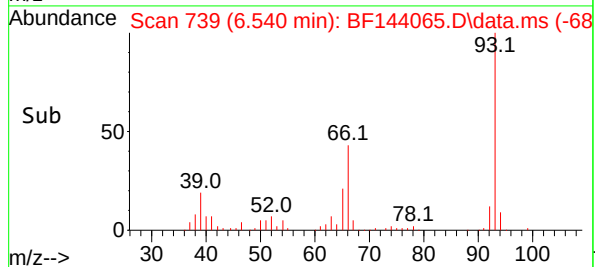
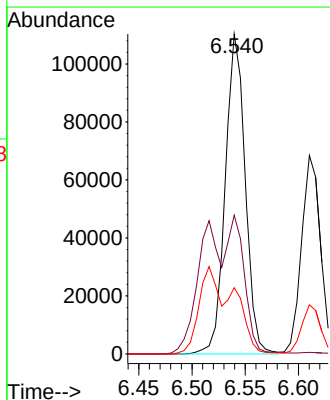
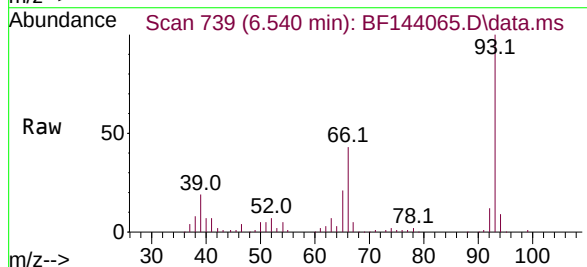
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

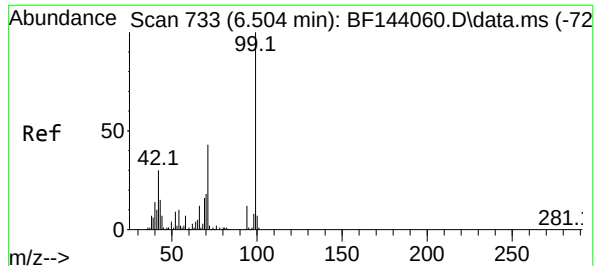
Tgt Ion:112 Resp: 176184
Ion Ratio Lower Upper
112 100
64 61.4 49.8 74.8
63 34.3 27.4 41.2



#6
Aniline
Concen: 36.320 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 93 Resp: 143853
Ion Ratio Lower Upper
93 100
66 43.3 35.7 53.5
65 20.7 17.0 25.6

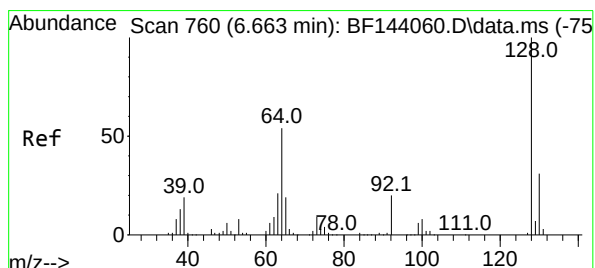
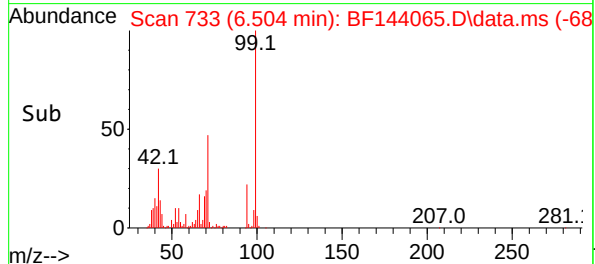
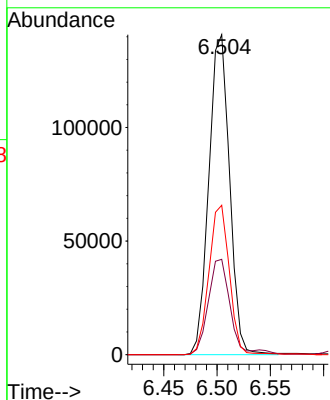
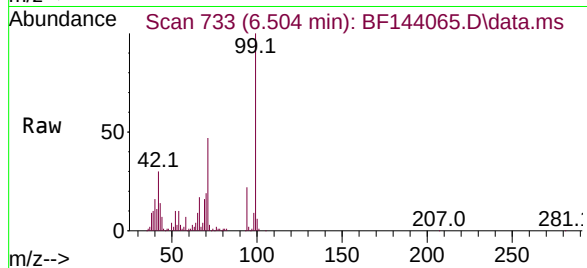




#7
Phenol-d6
Concen: 68.955 ng
RT: 6.504 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

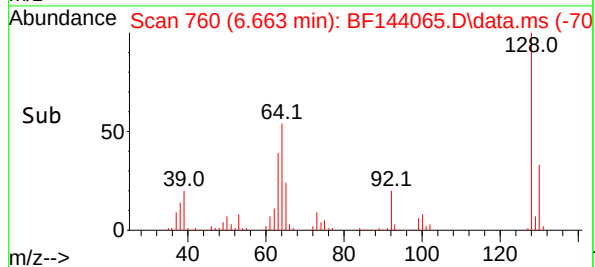
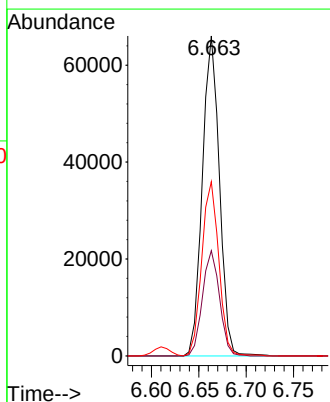
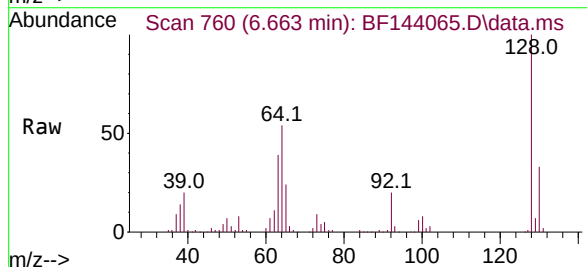
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

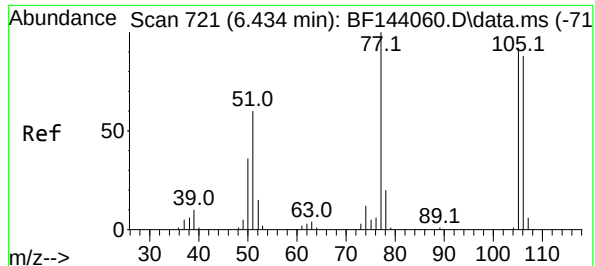
Tgt Ion: 99 Resp: 190899
Ion Ratio Lower Upper
99 100
42 29.8 23.9 35.9
71 46.7 34.4 51.6



#8
2-Chlorophenol
Concen: 33.579 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 128 Resp: 82897
Ion Ratio Lower Upper
128 100
130 32.9 10.7 50.7
64 54.4 34.7 74.7





#9

Benzaldehyde

Concen: 34.852 ng

RT: 6.434 min Scan# 721

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

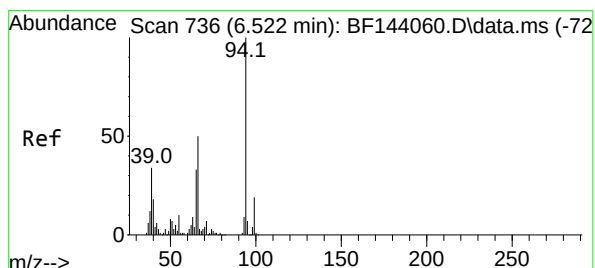
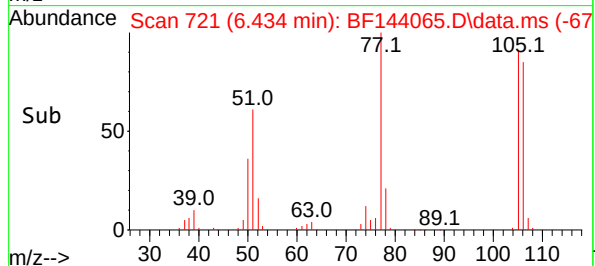
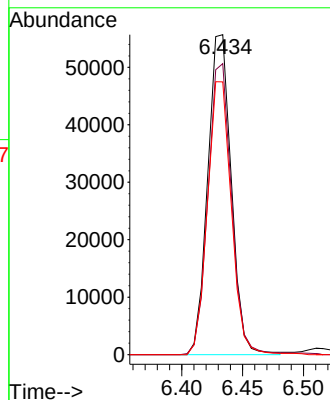
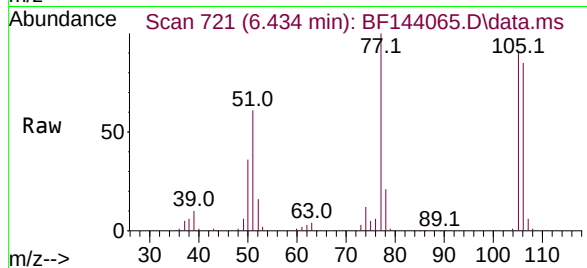
Tgt Ion: 77 Resp: 74914

Ion Ratio Lower Upper

77 100

105 90.9 72.2 112.2

106 85.3 67.9 107.9



#10

Phenol

Concen: 34.853 ng

RT: 6.516 min Scan# 735

Delta R.T. -0.006 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

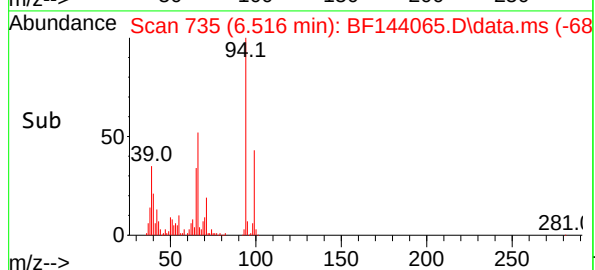
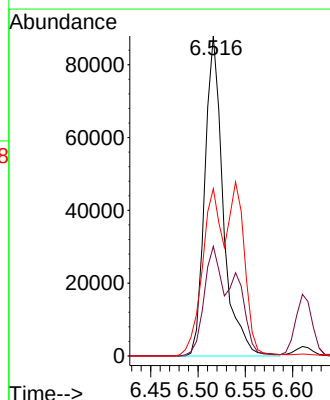
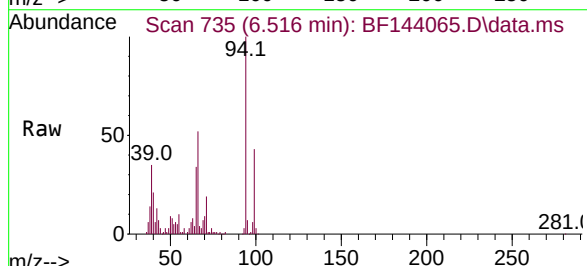
Tgt Ion: 94 Resp: 119040

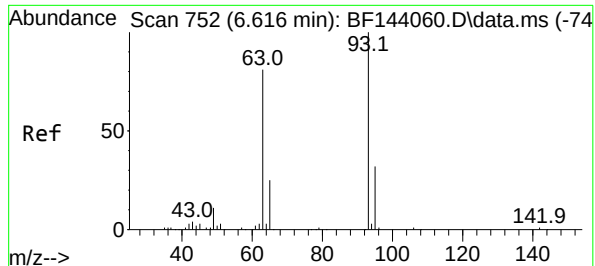
Ion Ratio Lower Upper

94 100

65 34.2 13.1 53.1

66 52.2 30.6 70.6

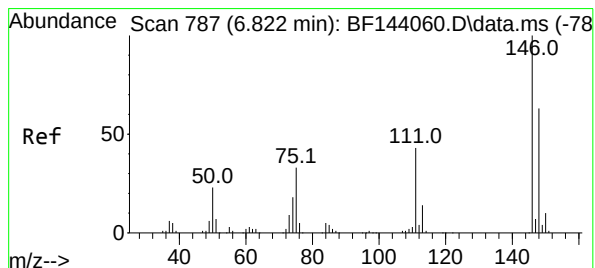
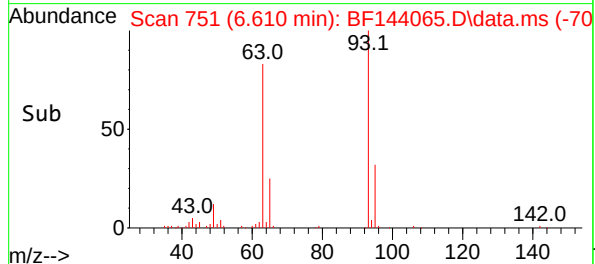
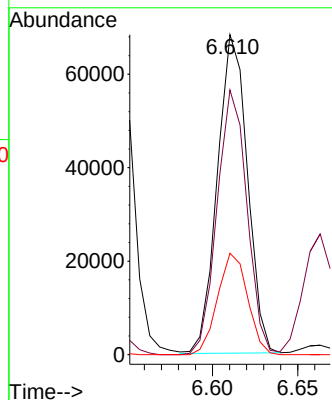
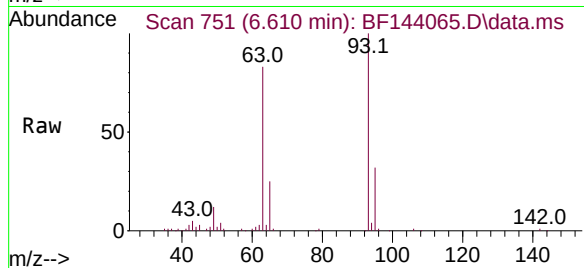




#11
bis(2-Chloroethyl)ether
Concen: 33.851 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

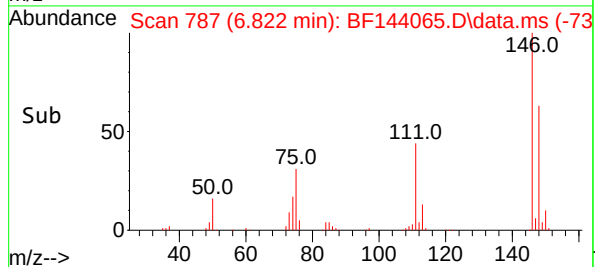
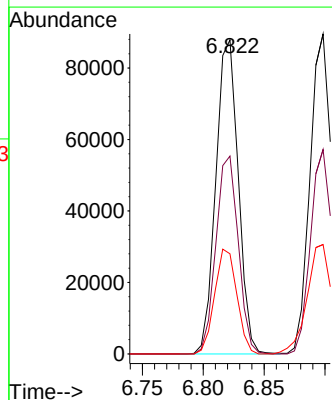
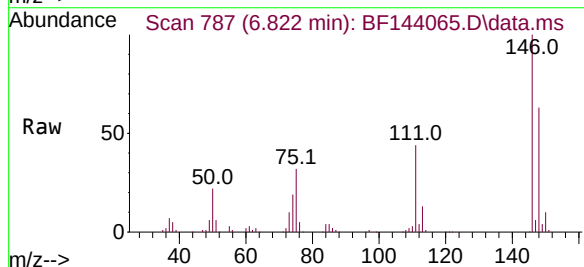
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

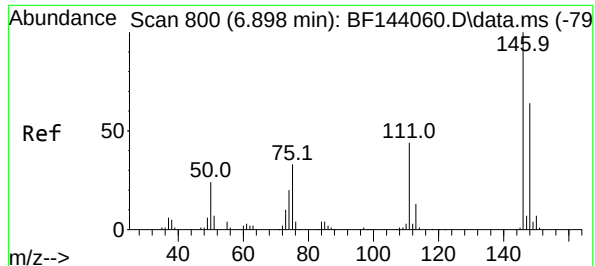
Tgt Ion: 93 Resp: 83544
Ion Ratio Lower Upper
93 100
63 82.7 60.2 100.2
95 31.7 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 36.971 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 146 Resp: 112585
Ion Ratio Lower Upper
146 100
148 63.0 50.6 75.8
75 31.9 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 37.183 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

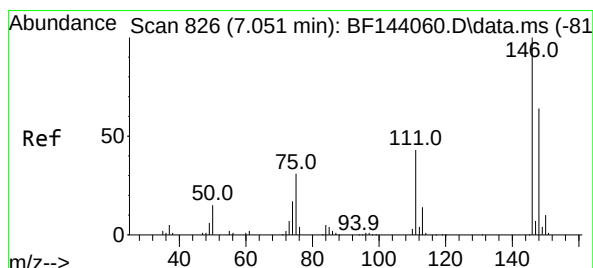
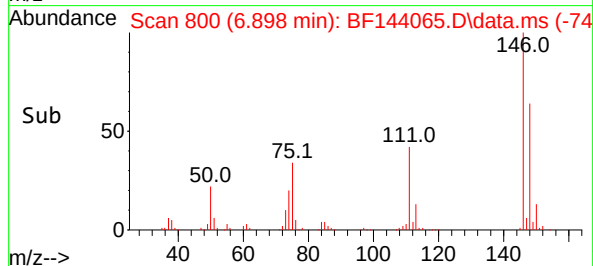
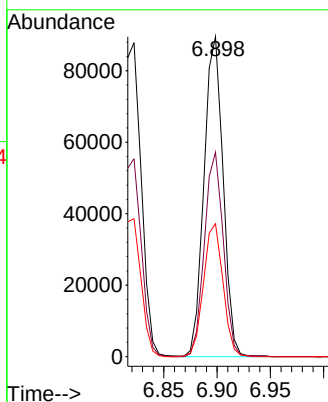
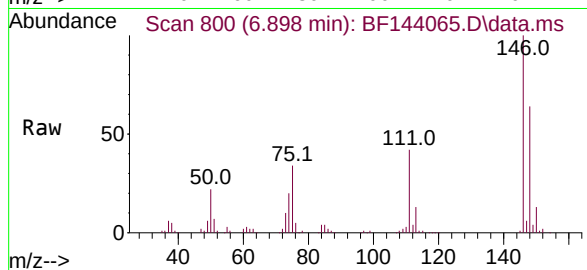
Tgt Ion:146 Resp: 111592

Ion Ratio Lower Upper

146 100

148 63.9 51.0 76.6

111 41.5 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 35.872 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

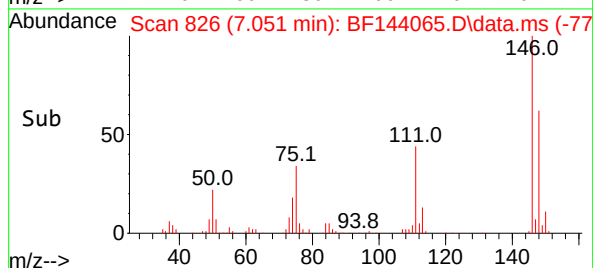
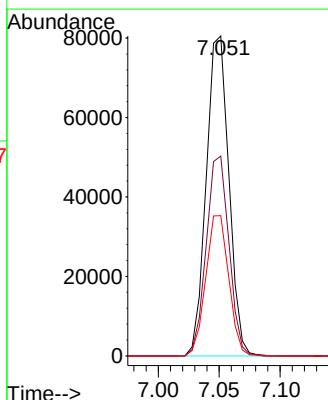
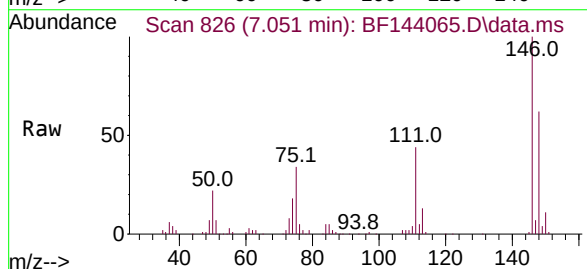
Tgt Ion:146 Resp: 104166

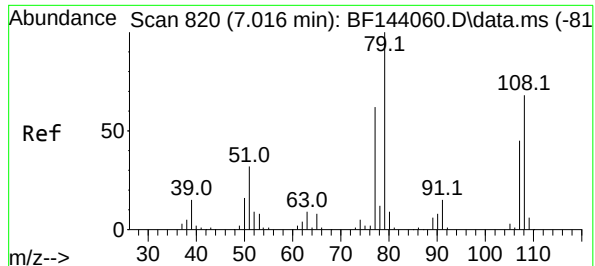
Ion Ratio Lower Upper

146 100

148 62.4 50.8 76.2

111 43.8 34.7 52.1





#15

Benzyl Alcohol

Concen: 36.330 ng

RT: 7.016 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

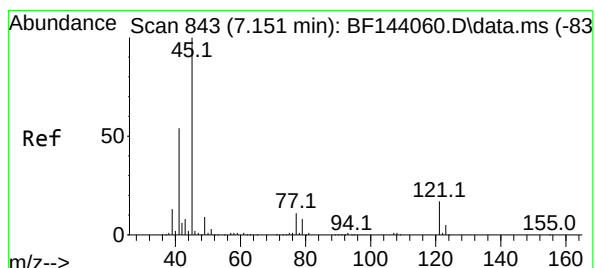
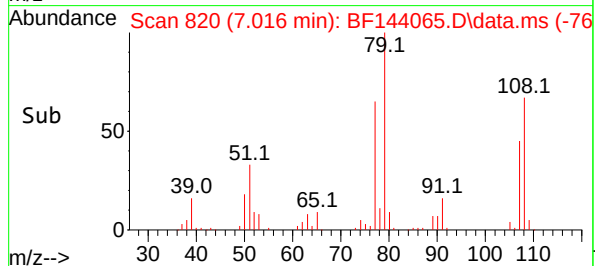
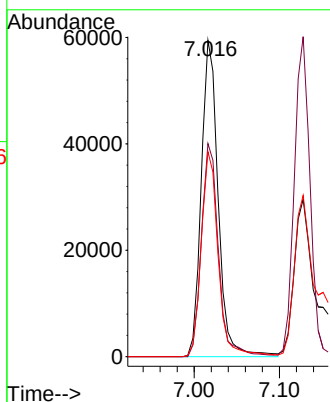
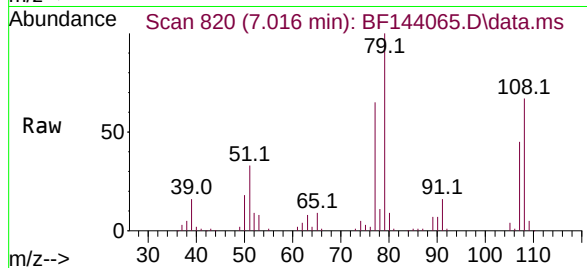
Tgt Ion: 79 Resp: 81782

Ion Ratio Lower Upper

79 100

108 67.4 54.8 82.2

77 64.8 49.4 74.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 34.517 ng

RT: 7.151 min Scan# 843

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

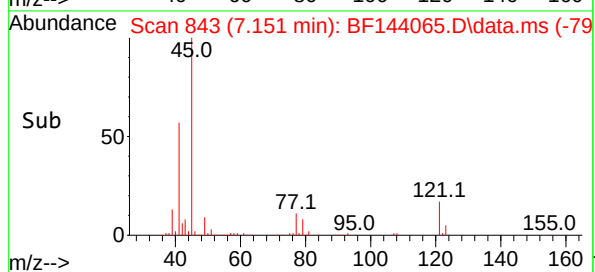
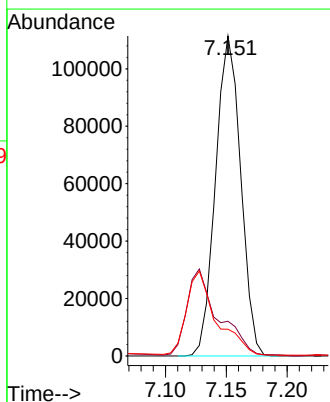
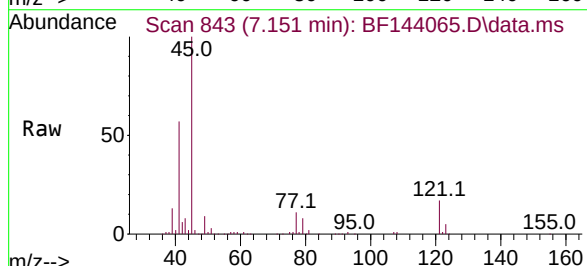
Tgt Ion: 45 Resp: 160104

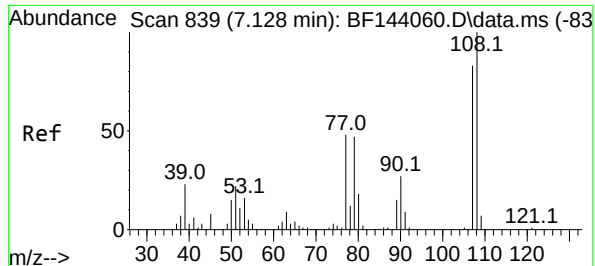
Ion Ratio Lower Upper

45 100

77 10.8 0.0 30.9

79 8.3 0.0 28.2

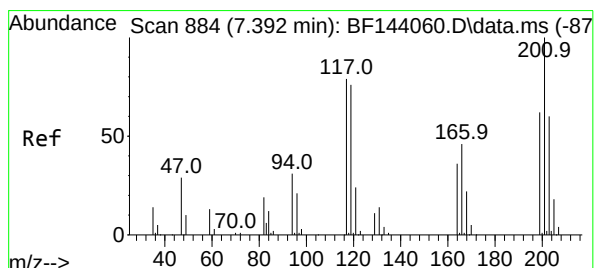
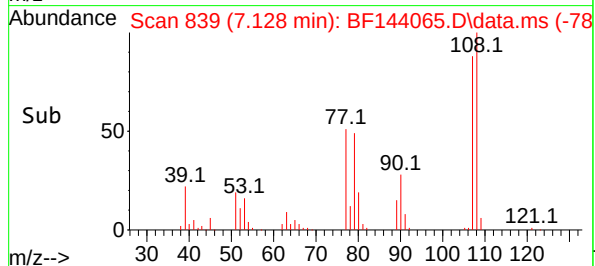
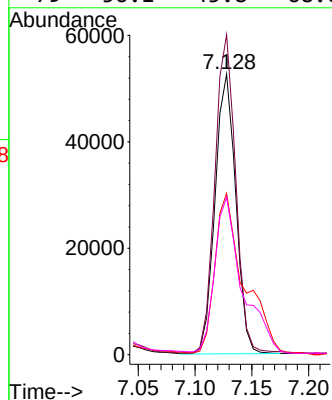
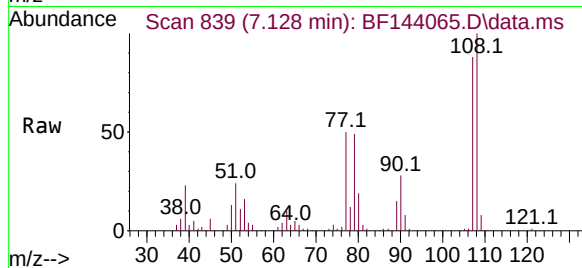




#17
2-Methylphenol
Concen: 35.152 ng
RT: 7.128 min Scan# 839
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

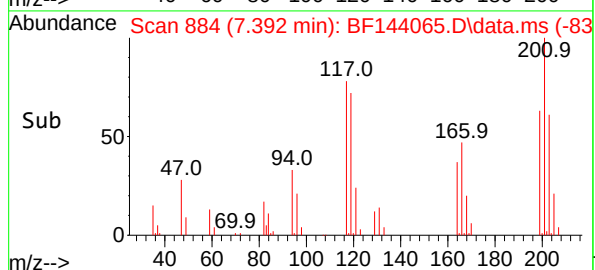
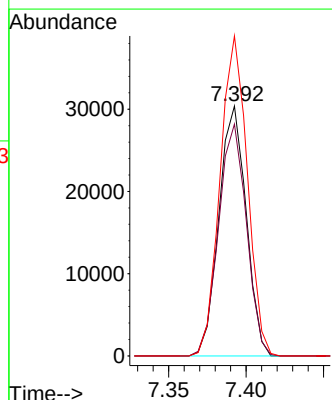
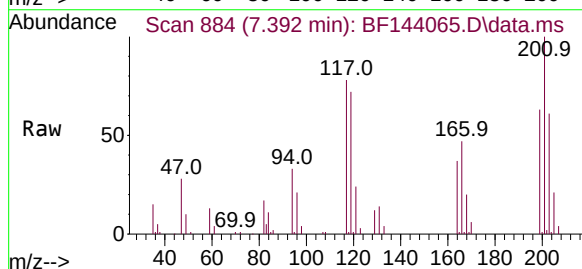
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

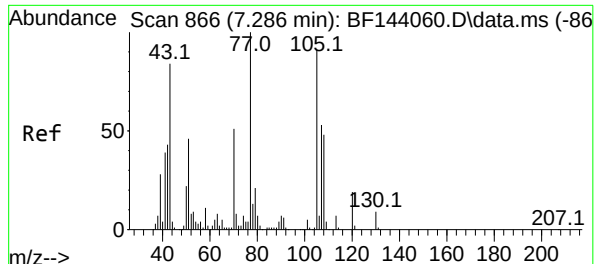
Tgt Ion:	107	Resp:	66743
Ion	Ratio	Lower	Upper
107	100		
108	114.1	96.4	144.6
77	57.5	46.8	70.2
79	56.1	45.8	68.6



#18
Hexachloroethane
Concen: 34.696 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:	117	Resp:	37228
Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.6	115.0
201	128.1	100.9	151.3





#19

n-Nitroso-di-n-propylamine

Concen: 35.002 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF144065.D

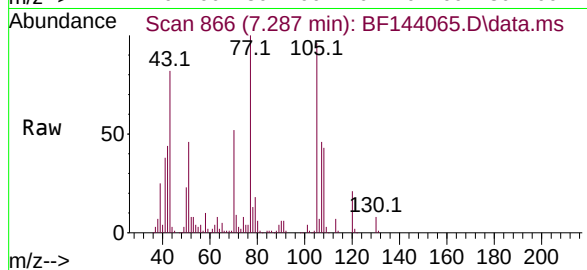
Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425



Tgt Ion: 70 Resp: 62662

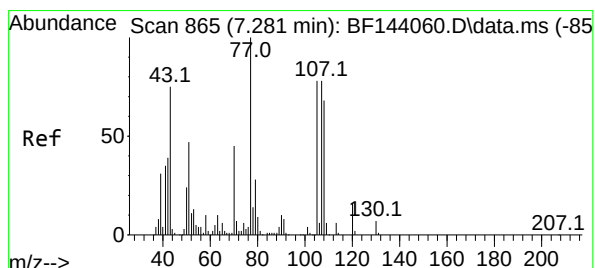
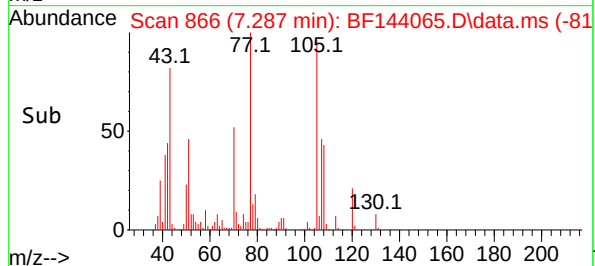
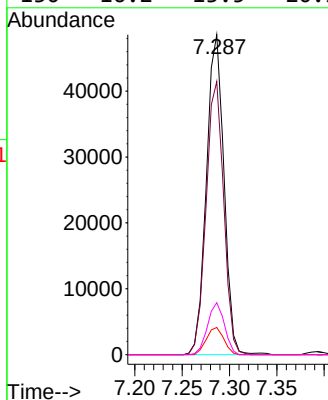
Ion Ratio Lower Upper

70 100

42 85.3 67.4 101.0

101 8.5 7.1 10.7

130 16.2 13.5 20.3



#20

3+4-Methylphenols

Concen: 36.095 ng

RT: 7.281 min Scan# 865

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Tgt Ion: 107 Resp: 81018

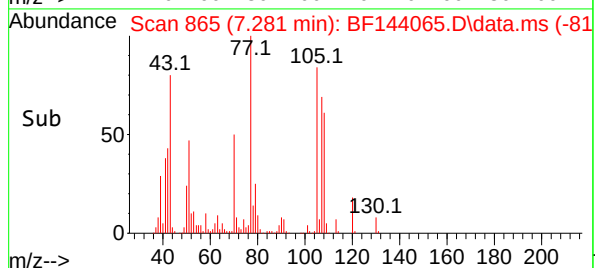
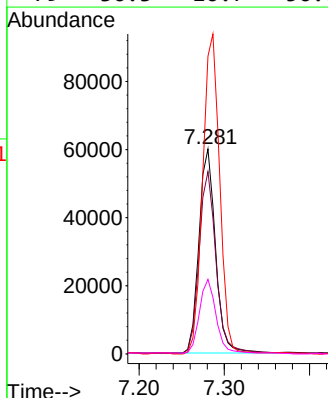
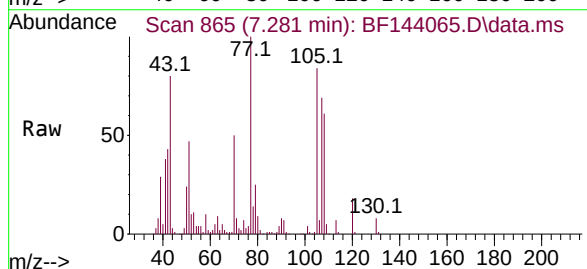
Ion Ratio Lower Upper

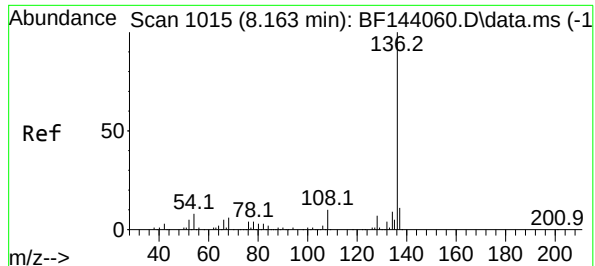
107 100

108 88.9 68.0 108.0

77 145.2 108.7 148.7

79 36.3 16.7 56.7

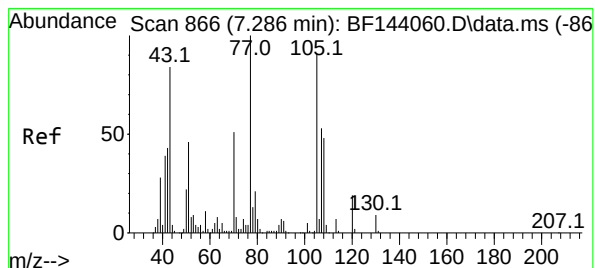
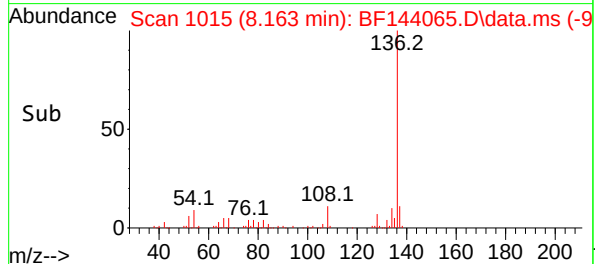
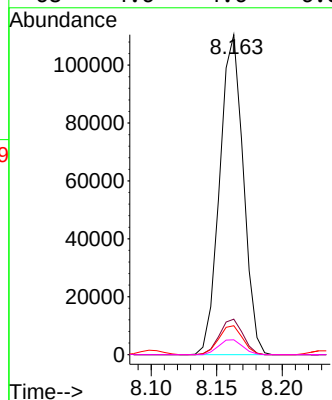
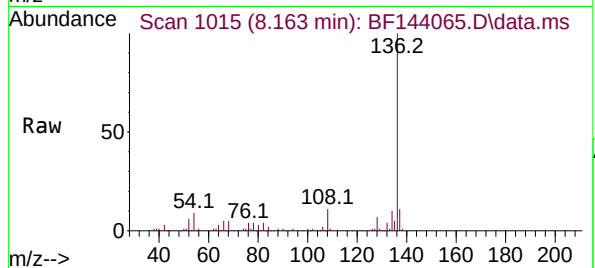




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

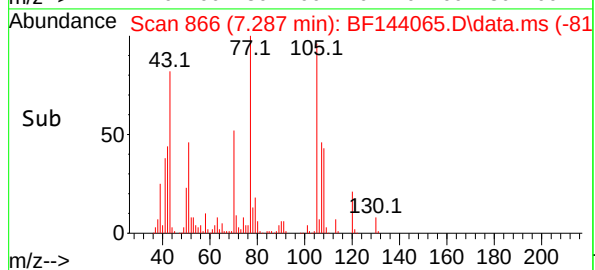
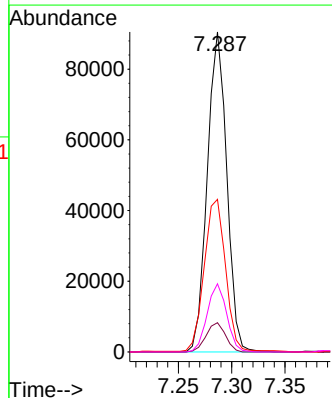
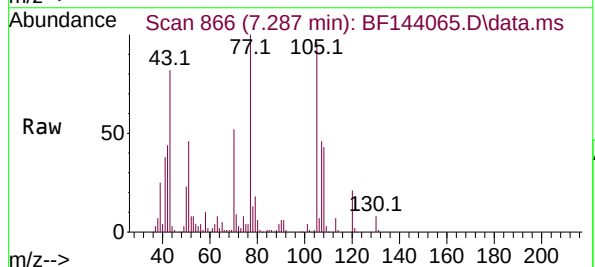
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

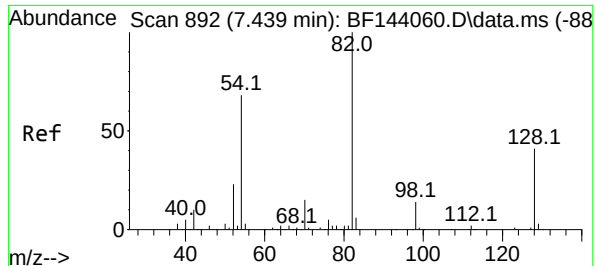
Tgt Ion:136	Resp: 138565
Ion Ratio	Lower Upper
136	100
137	11.1 8.6 13.0
54	9.0 6.6 9.8
68	4.6 4.6 6.8



#22
Acetophenone
Concen: 38.453 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:105	Resp: 115151
Ion Ratio	Lower Upper
105	100
71	9.1 6.9 10.3
51	47.7 40.6 60.8
120	21.3 16.8 25.2

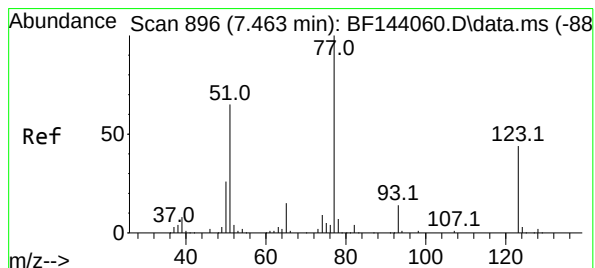
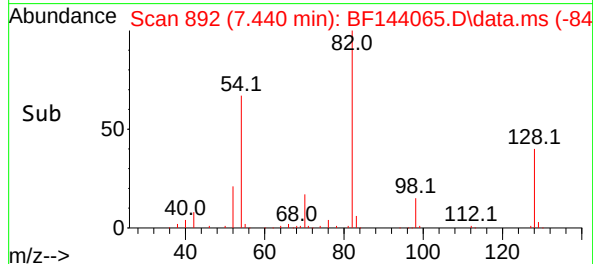
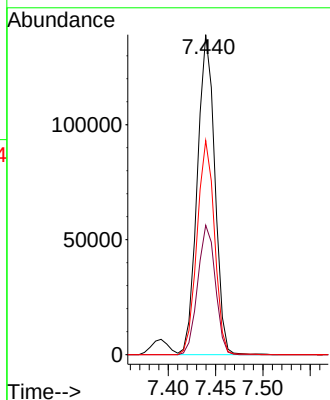
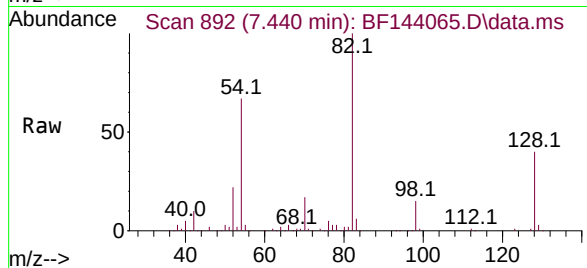




#23
Nitrobenzene-d5
Concen: 70.696 ng
RT: 7.440 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

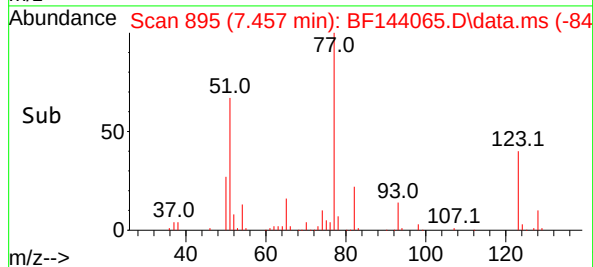
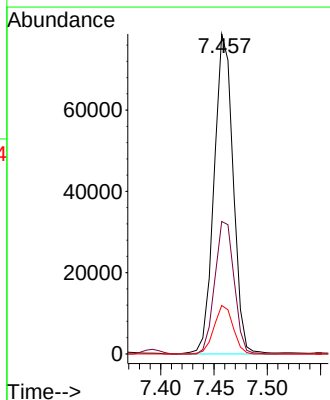
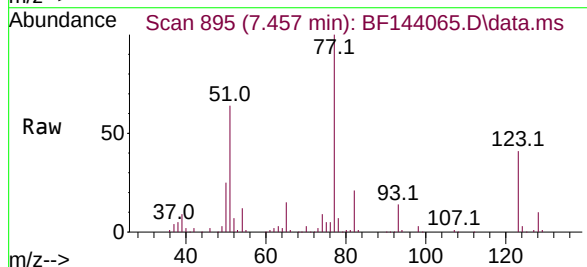
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

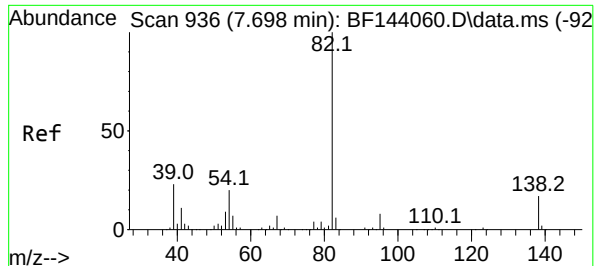
Tgt Ion: 82 Resp: 178800
Ion Ratio Lower Upper
82 100
128 40.4 32.4 48.6
54 66.9 54.0 81.0



#24
Nitrobenzene
Concen: 36.753 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 77 Resp: 98332
Ion Ratio Lower Upper
77 100
123 41.4 35.0 52.6
65 15.1 12.2 18.2





#25

Isophorone

Concen: 36.322 ng

RT: 7.698 min Scan# 936

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

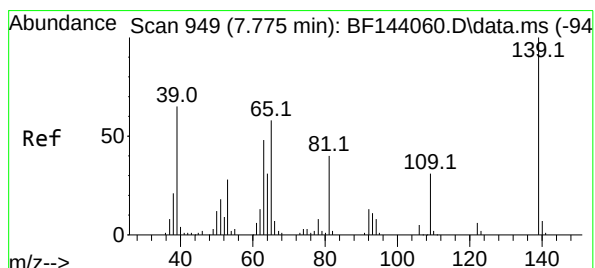
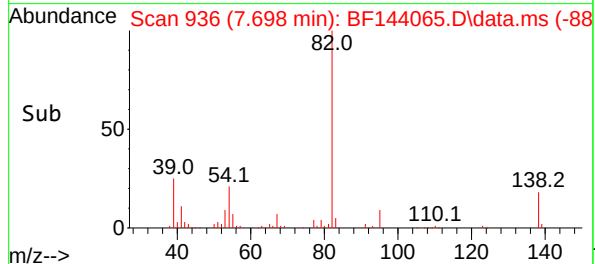
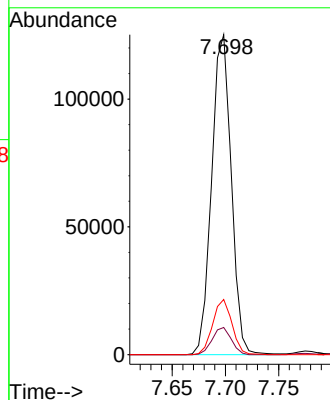
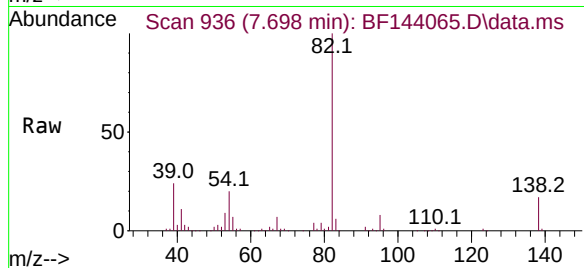
Tgt Ion: 82 Resp: 160608

Ion Ratio Lower Upper

82 100

95 8.5 6.6 9.8

138 17.2 13.8 20.8



#26

2-Nitrophenol

Concen: 36.360 ng

RT: 7.775 min Scan# 949

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

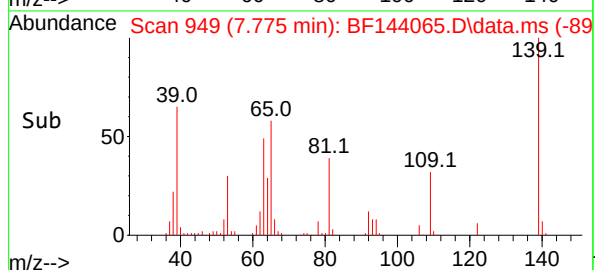
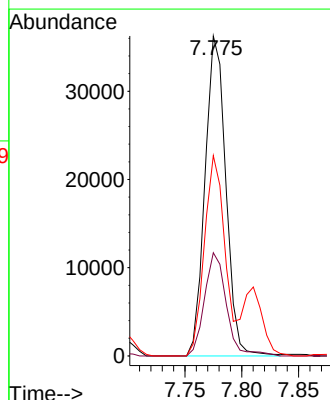
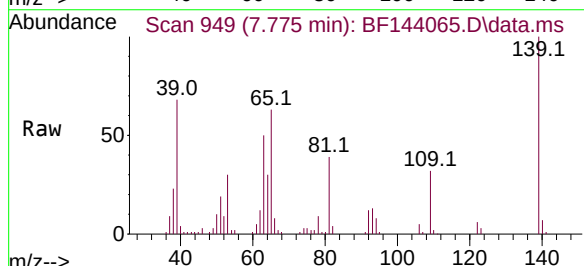
Tgt Ion: 139 Resp: 46278

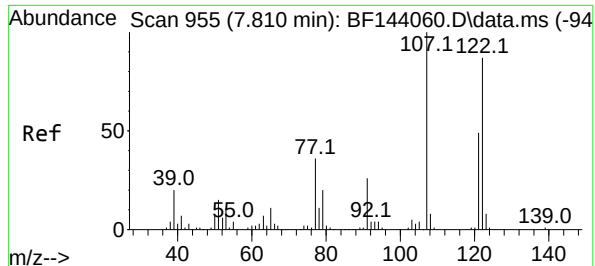
Ion Ratio Lower Upper

139 100

109 32.2 24.6 37.0

65 62.6 46.6 69.8





#27

2,4-Dimethylphenol

Concen: 39.405 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

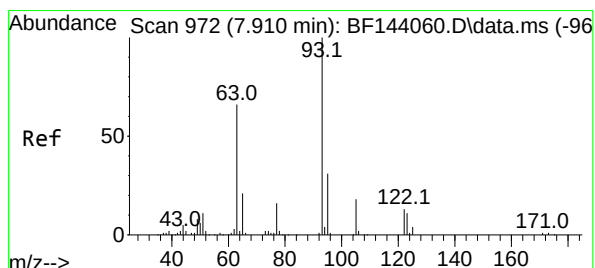
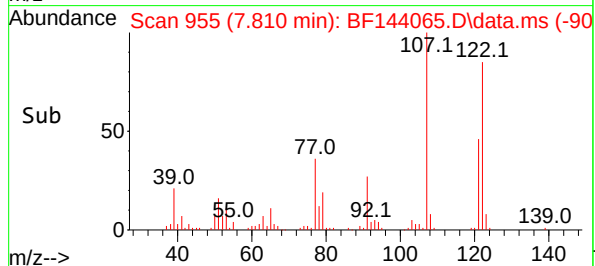
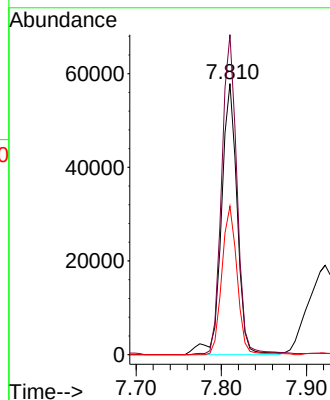
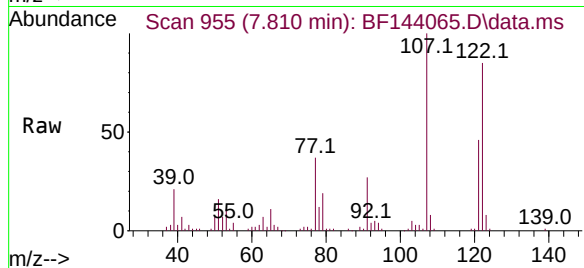
Tgt Ion:122 Resp: 74530

Ion Ratio Lower Upper

122 100

107 118.1 91.8 137.8

121 54.8 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 35.182 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

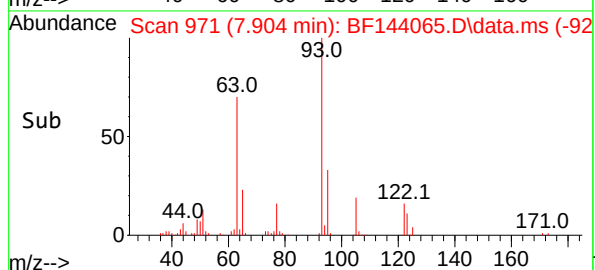
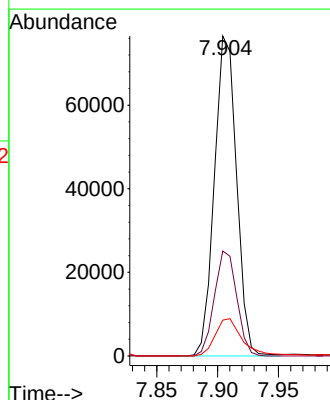
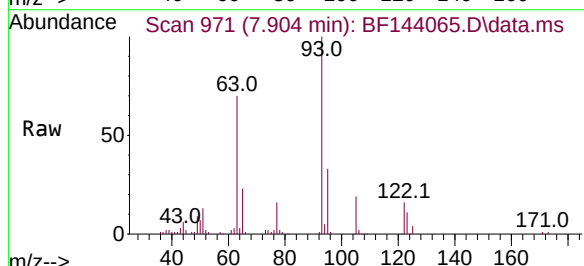
Tgt Ion: 93 Resp: 97014

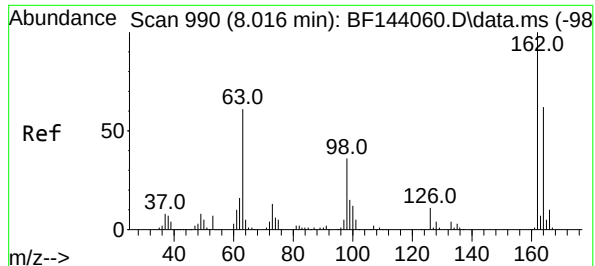
Ion Ratio Lower Upper

93 100

95 32.8 24.6 36.8

123 11.2 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 35.901 ng

RT: 8.016 min Scan# 99

Delta R.T. 0.000 min

Lab File: BF144065.D

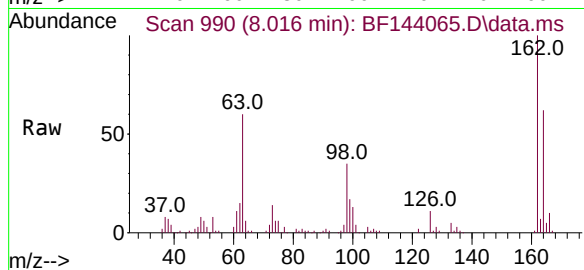
Acq: 24 Oct 2025 17:22

Instrument :

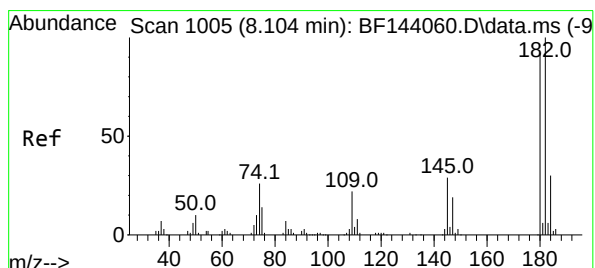
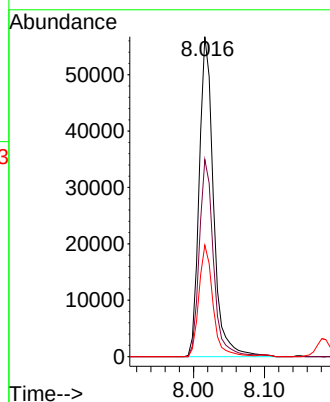
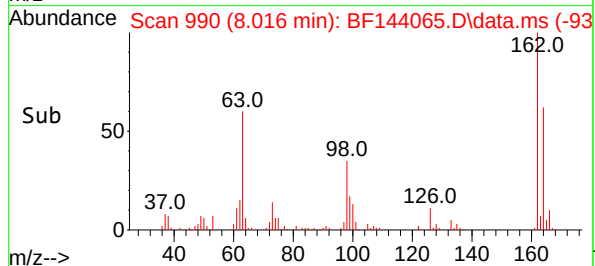
BNA_F

ClientSampleId :

ICVBF102425



Tgt Ion:162	Resp:	78967
Ion	Ratio	Lower Upper
162	100	
164	61.6	42.1 82.1
98	34.8	16.0 56.0



#30

1,2,4-Trichlorobenzene

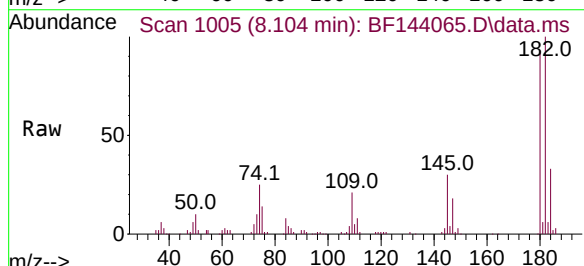
Concen: 38.739 ng

RT: 8.104 min Scan# 1005

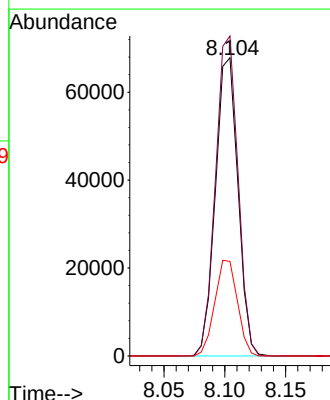
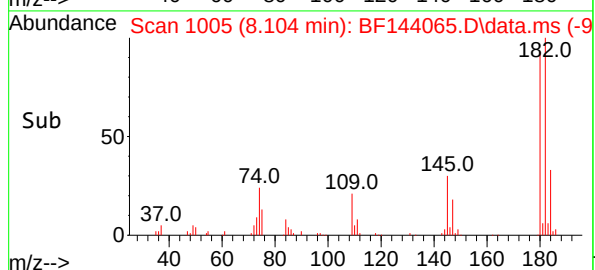
Delta R.T. 0.000 min

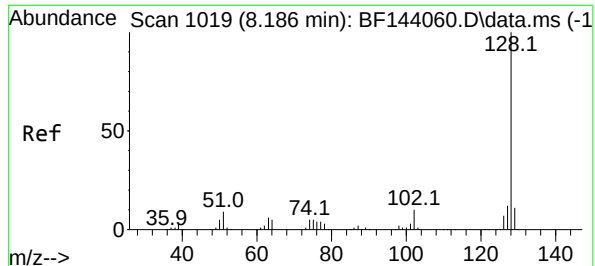
Lab File: BF144065.D

Acq: 24 Oct 2025 17:22



Tgt Ion:180	Resp:	87660
Ion	Ratio	Lower Upper
180	100	
182	107.3	87.1 130.7
145	31.7	25.3 37.9

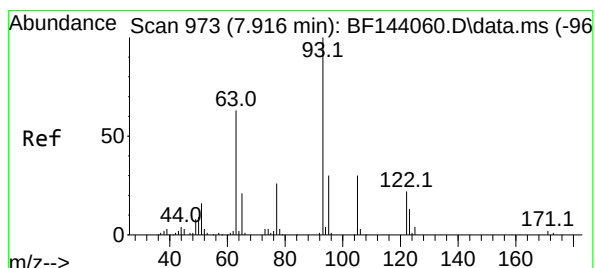
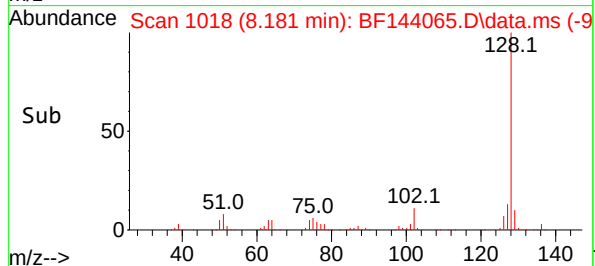
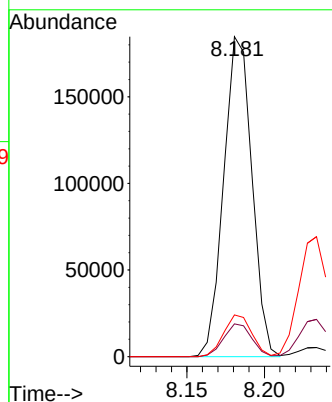
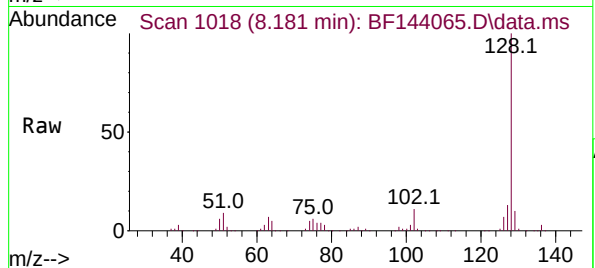




#31
Naphthalene
Concen: 35.834 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

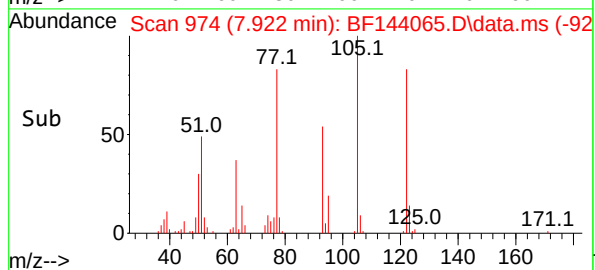
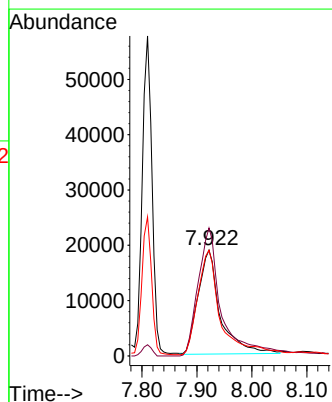
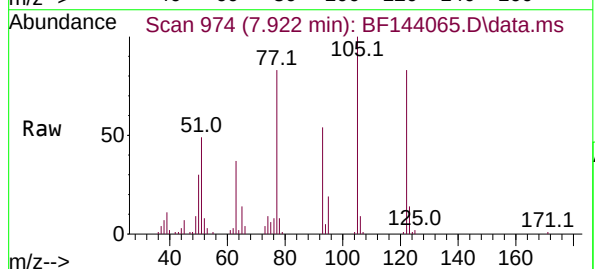
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

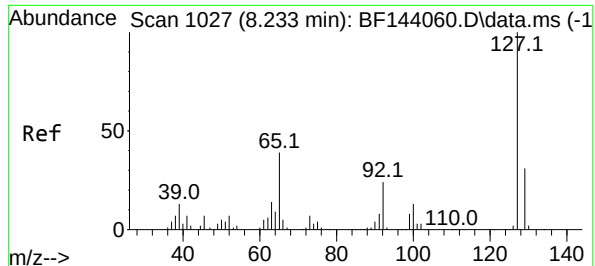
Tgt Ion:128 Resp: 234353
Ion Ratio Lower Upper
128 100
129 10.2 8.4 12.6
127 13.0 9.9 14.9



#32
Benzoic acid
Concen: 44.054 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:122 Resp: 52854
Ion Ratio Lower Upper
122 100
105 121.1 111.3 151.3
77 100.0 96.7 136.7





#33

4-Chloroaniline

Concen: 41.428 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

Tgt Ion:127 Resp: 94319

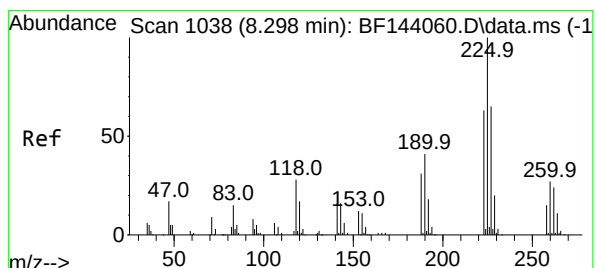
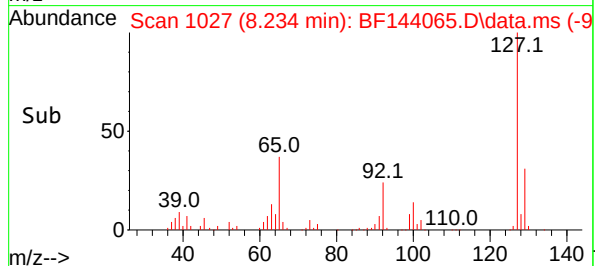
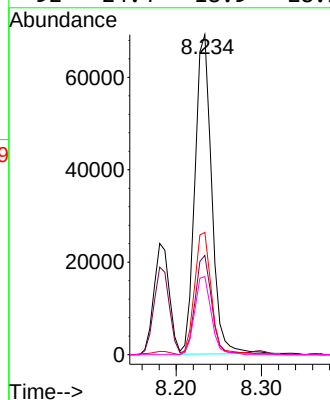
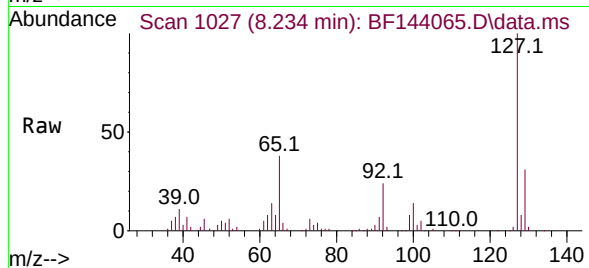
Ion Ratio Lower Upper

127 100

129 31.0 25.6 38.4

65 38.2 30.9 46.3

92 24.4 18.9 28.3



#34

Hexachlorobutadiene

Concen: 38.260 ng

RT: 8.298 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

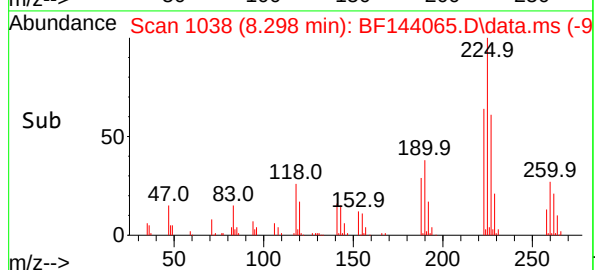
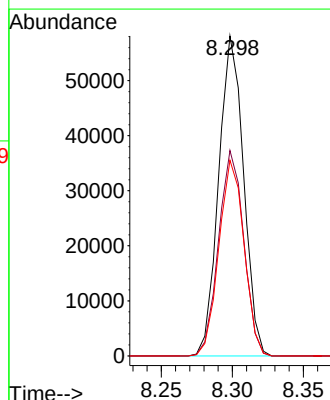
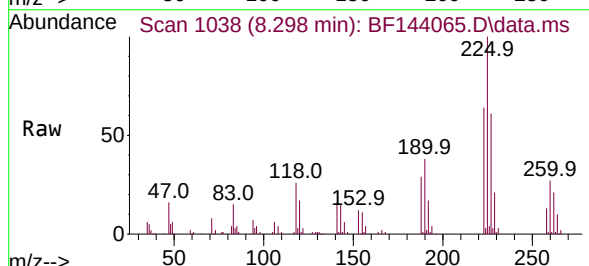
Tgt Ion:225 Resp: 70793

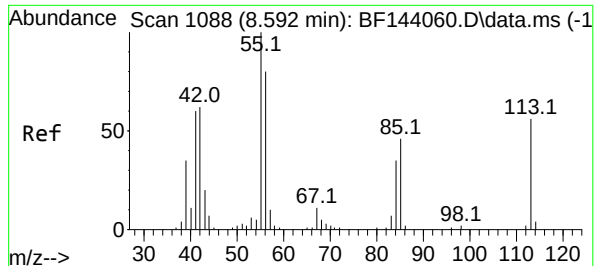
Ion Ratio Lower Upper

225 100

223 64.2 50.6 76.0

227 61.1 51.8 77.8





#35

Caprolactam

Concen: 35.331 ng

RT: 8.587 min Scan# 1087

Delta R.T. -0.006 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

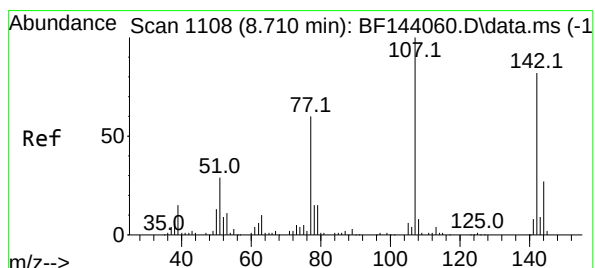
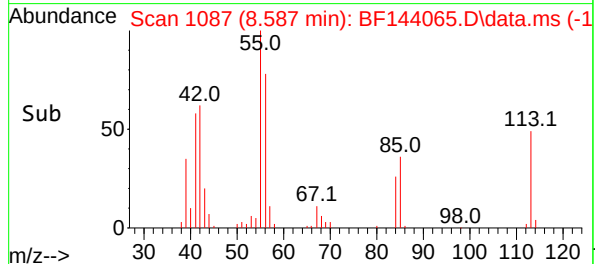
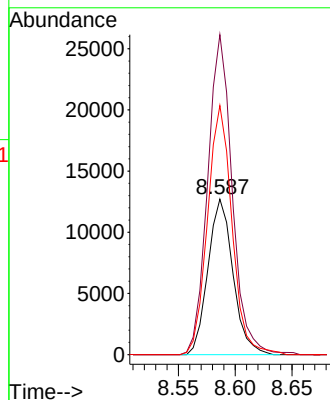
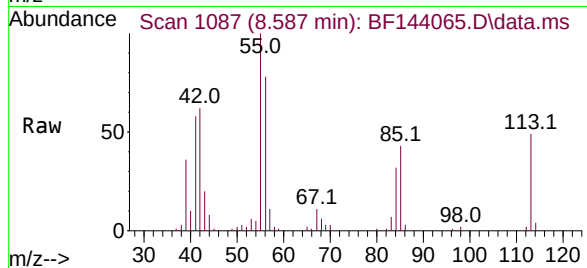
Tgt Ion:113 Resp: 19488

Ion Ratio Lower Upper

113 100

55 205.9 160.1 200.1#

56 160.2 124.9 164.9



#36

4-Chloro-3-methylphenol

Concen: 36.112 ng

RT: 8.710 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

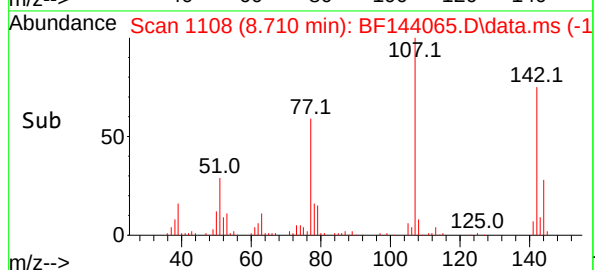
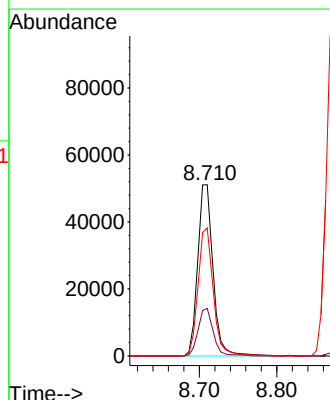
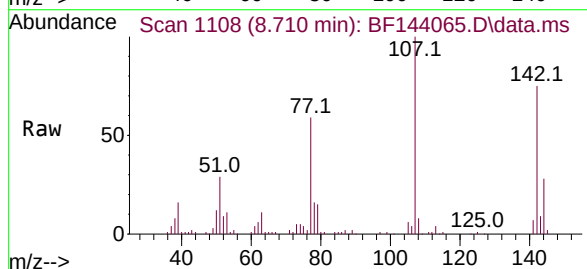
Tgt Ion:107 Resp: 70096

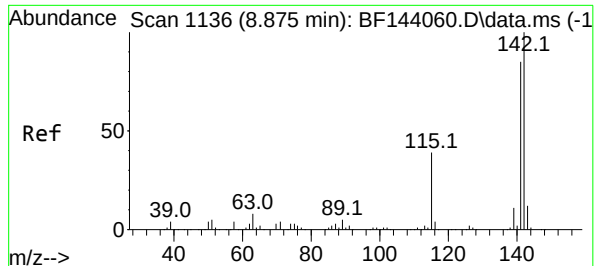
Ion Ratio Lower Upper

107 100

144 27.7 21.6 32.4

142 74.8 65.4 98.0





#37

2-Methylnaphthalene

Concen: 33.233 ng

RT: 8.875 min Scan# 1136

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

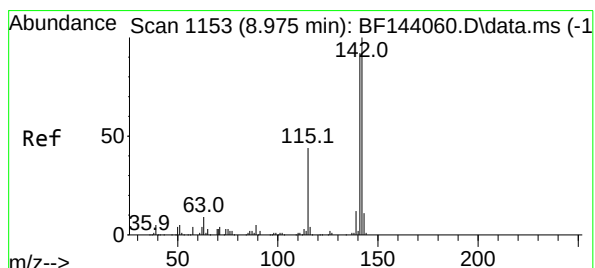
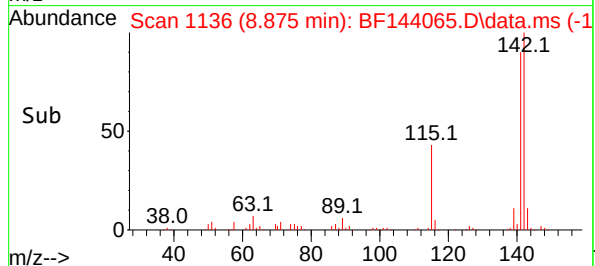
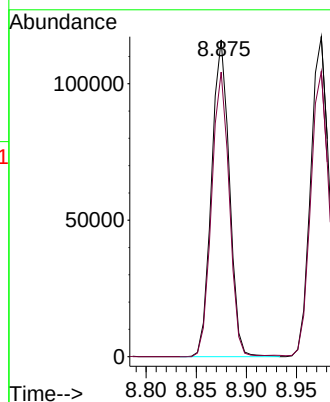
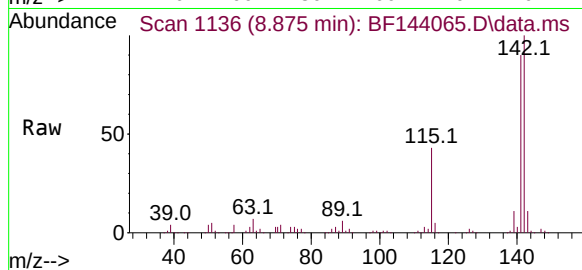
ICVBF102425

Tgt Ion:142 Resp: 143296

Ion Ratio Lower Upper

142 100

141 89.8 67.6 101.4



#38

1-Methylnaphthalene

Concen: 35.945 ng

RT: 8.975 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF144065.D

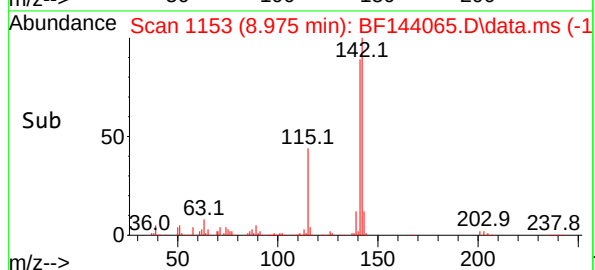
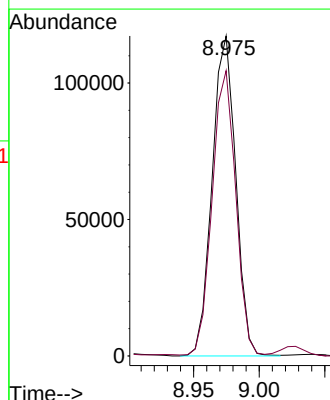
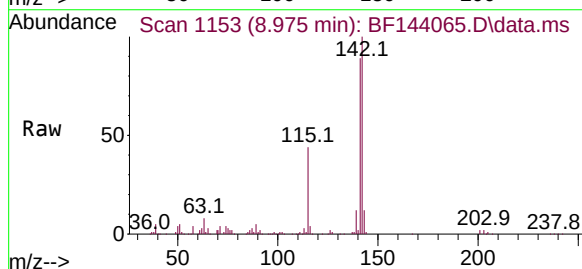
Acq: 24 Oct 2025 17:22

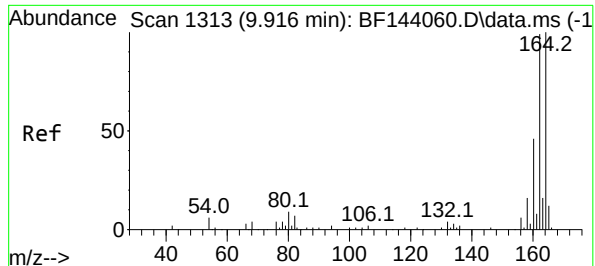
Tgt Ion:142 Resp: 146838

Ion Ratio Lower Upper

142 100

141 89.1 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.000 min

Lab File: BF144065.D

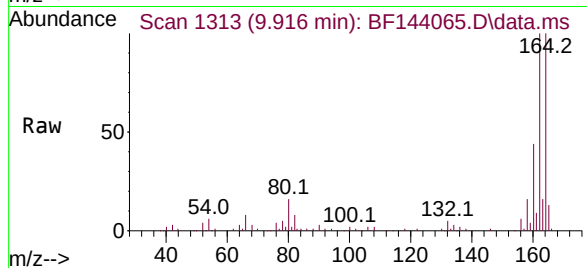
Acq: 24 Oct 2025 17:22

Instrument :

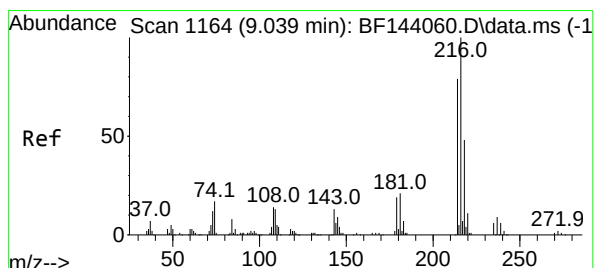
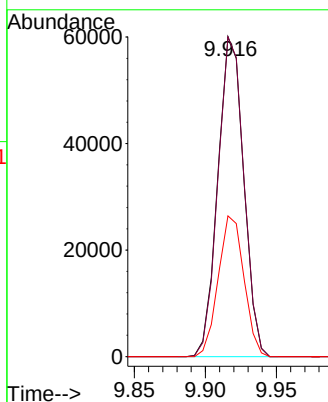
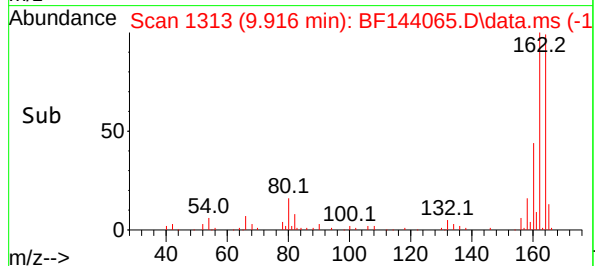
BNA_F

ClientSampleId :

ICVBF102425



Tgt Ion:164	Resp:	76145
Ion	Ratio	Lower Upper
164	100	
162	99.9	79.4 119.2
160	44.0	36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

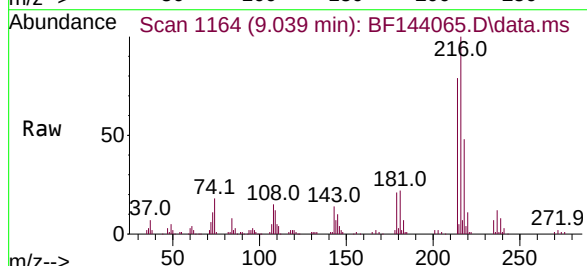
Concen: 35.121 ng

RT: 9.039 min Scan# 1164

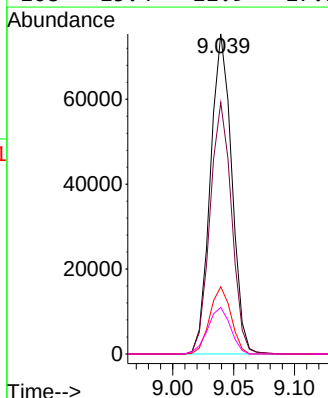
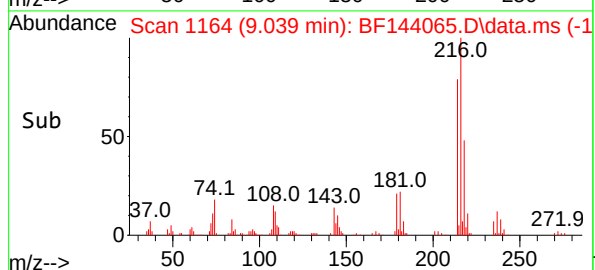
Delta R.T. 0.000 min

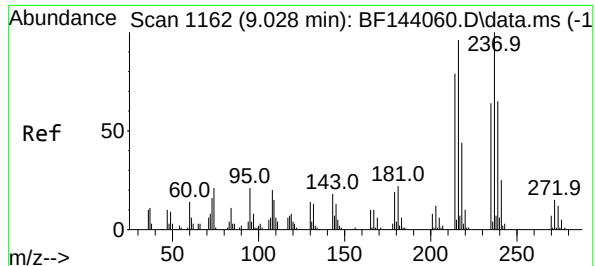
Lab File: BF144065.D

Acq: 24 Oct 2025 17:22



Tgt Ion:216	Resp:	91910
Ion	Ratio	Lower Upper
216	100	
214	79.3	63.2 94.8
179	20.8	15.2 22.8
108	15.4	11.9 17.9

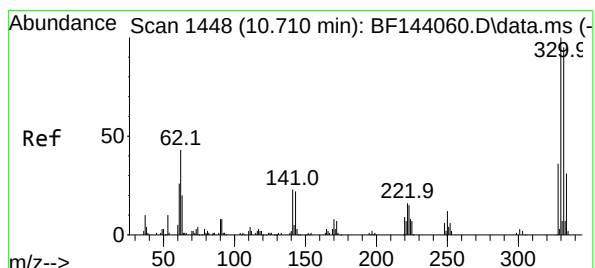
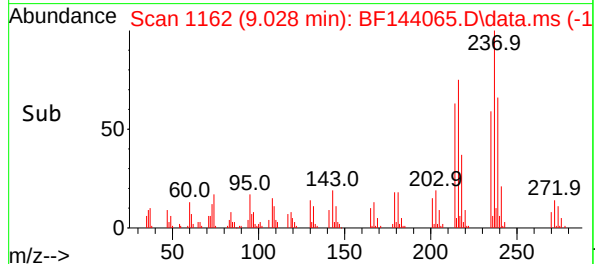
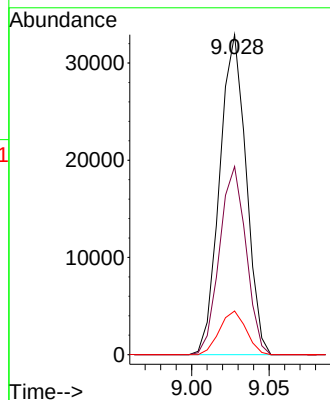
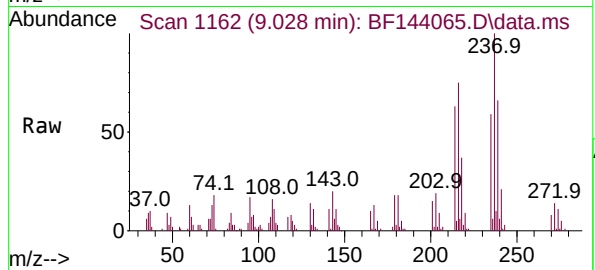




#41
Hexachlorocyclopentadiene
Concen: 48.585 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

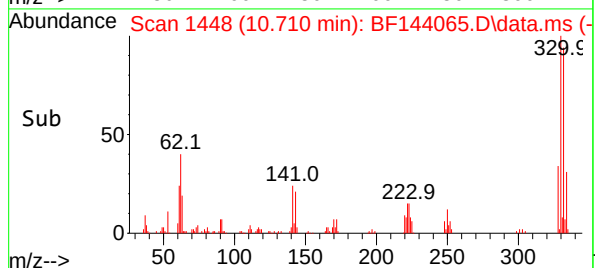
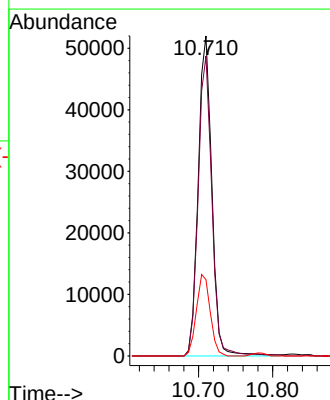
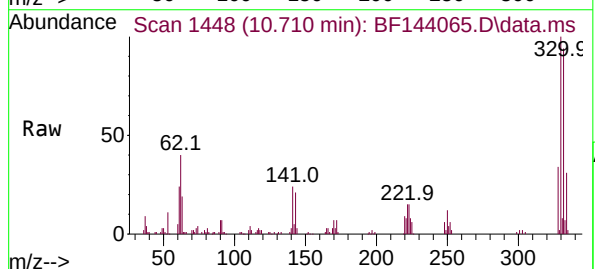
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

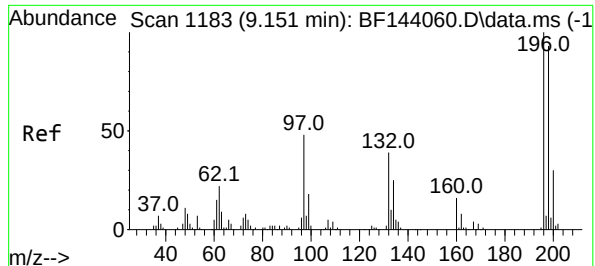
Tgt Ion: 237 Resp: 39270
Ion Ratio Lower Upper
237 100
235 58.8 44.3 84.3
272 13.6 0.0 35.2



#42
2,4,6-Tribromophenol
Concen: 68.551 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 330 Resp: 66490
Ion Ratio Lower Upper
330 100
332 94.2 77.0 115.6
141 25.7 19.4 29.0





#43

2,4,6-Trichlorophenol

Concen: 33.986 ng

RT: 9.151 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF144065.D

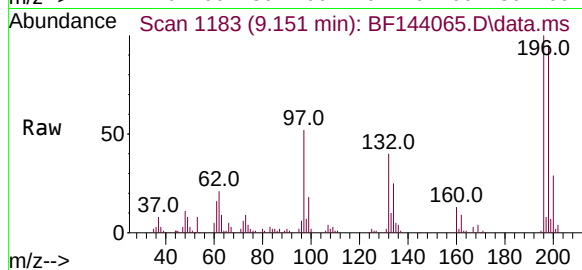
Acq: 24 Oct 2025 17:22

Instrument :

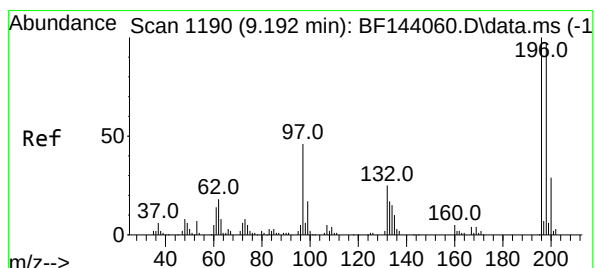
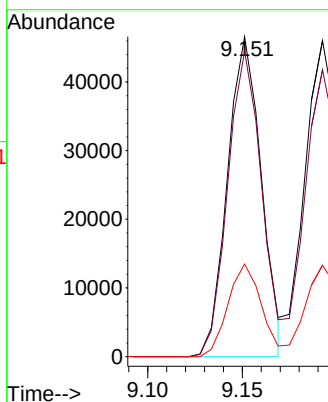
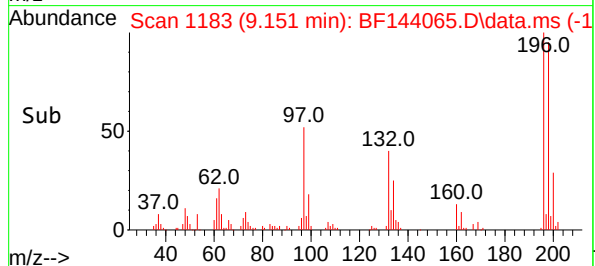
BNA_F

ClientSampleId :

ICVBF102425



Tgt Ion:196	Resp:	57810
Ion Ratio	Lower	Upper
196	100	
198	95.5	74.4 111.6
200	28.9	23.8 35.8



#44

2,4,5-Trichlorophenol

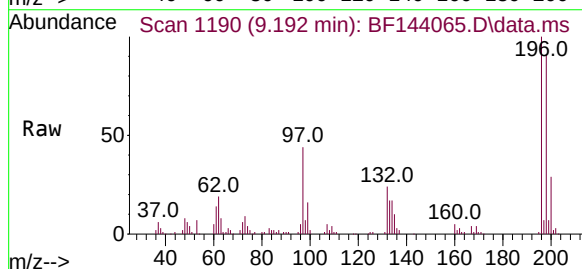
Concen: 36.018 ng

RT: 9.192 min Scan# 1190

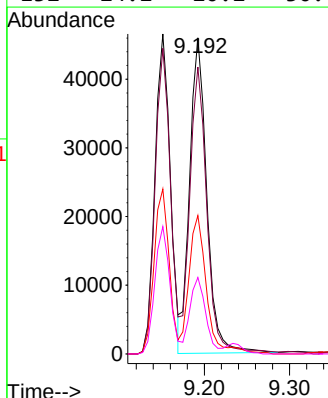
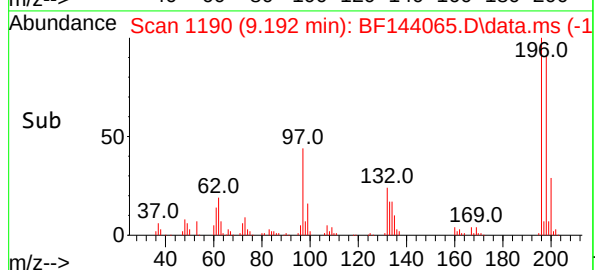
Delta R.T. 0.000 min

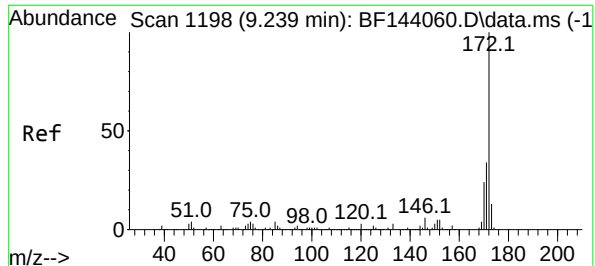
Lab File: BF144065.D

Acq: 24 Oct 2025 17:22



Tgt Ion:196	Resp:	64300
Ion Ratio	Lower	Upper
196	100	
198	90.7	78.0 117.0
97	43.7	37.7 56.5
132	24.2	20.2 30.4





#45

2-Fluorobiphenyl

Concen: 67.717 ng

RT: 9.234 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

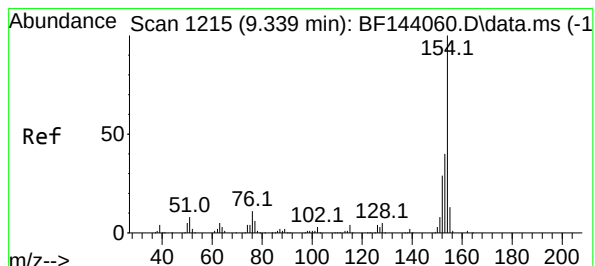
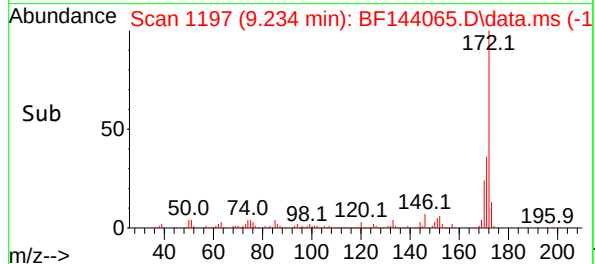
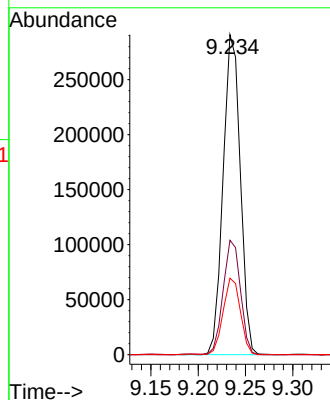
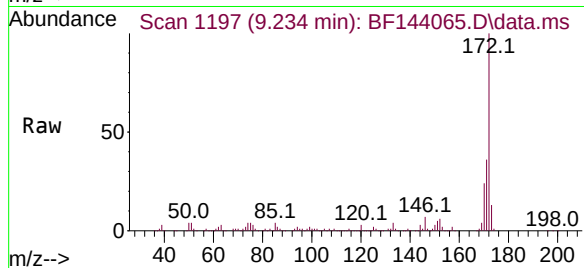
Tgt Ion:172 Resp: 366420

Ion Ratio Lower Upper

172 100

171 35.7 27.5 41.3

170 23.9 19.0 28.6



#46

1,1'-Biphenyl

Concen: 35.345 ng

RT: 9.339 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

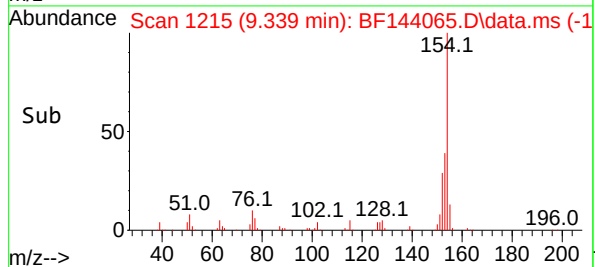
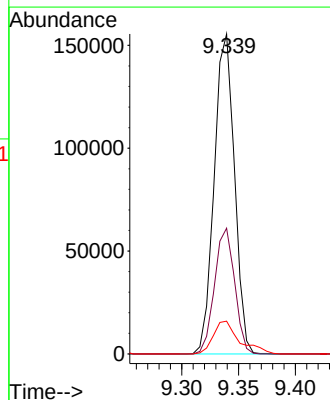
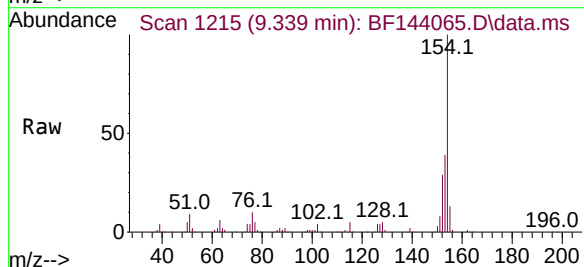
Tgt Ion:154 Resp: 192660

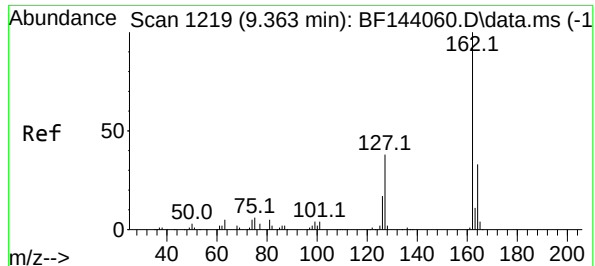
Ion Ratio Lower Upper

154 100

153 39.3 19.7 59.7

76 10.2 0.0 31.1





#47

2-Chloronaphthalene

Concen: 34.908 ng

RT: 9.363 min Scan# 1219

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

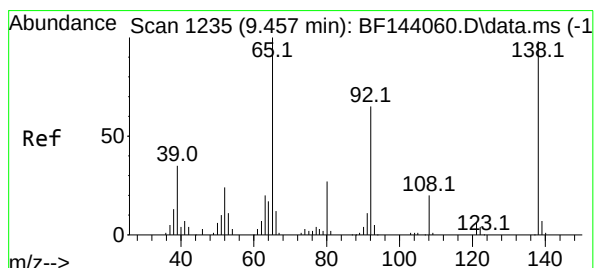
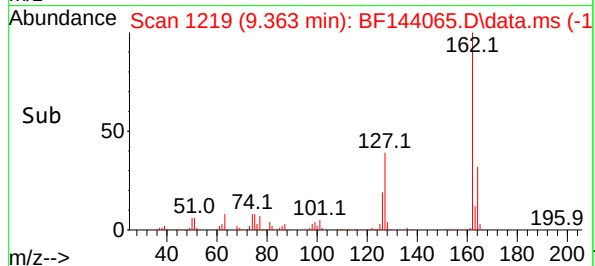
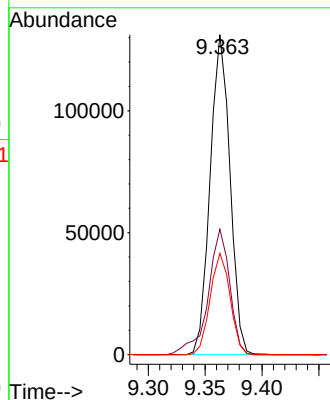
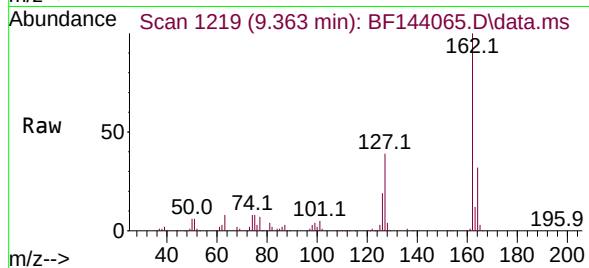
Tgt Ion:162 Resp: 159410

Ion Ratio Lower Upper

162 100

127 39.2 31.6 47.4

164 31.6 26.5 39.7



#48

2-Nitroaniline

Concen: 36.621 ng

RT: 9.457 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

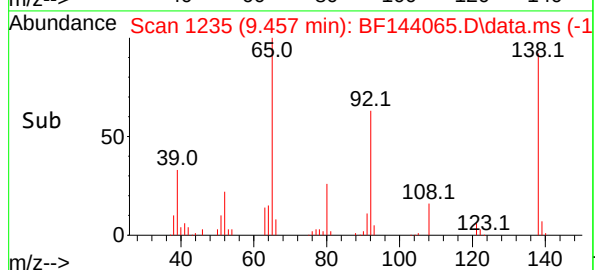
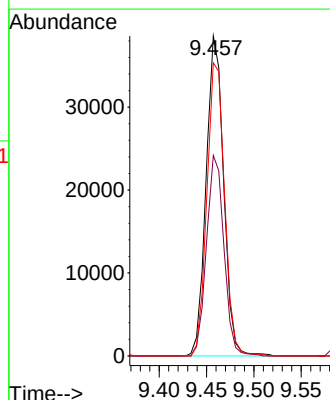
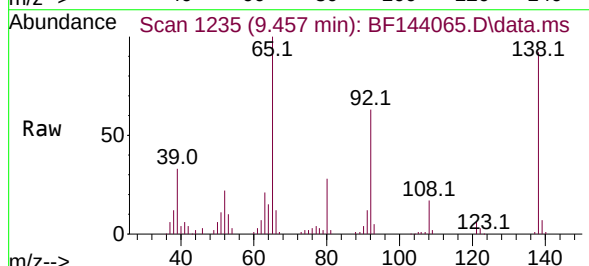
Tgt Ion: 65 Resp: 49659

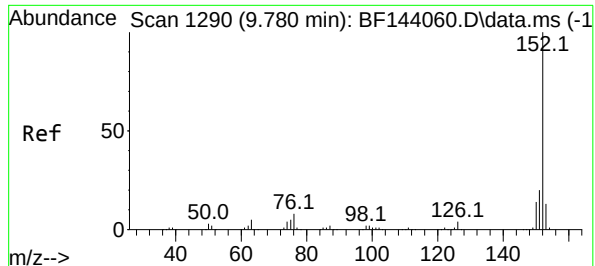
Ion Ratio Lower Upper

65 100

92 62.6 52.3 78.5

138 91.6 78.3 117.5





#49

Acenaphthylene

Concen: 39.474 ng

RT: 9.781 min Scan# 1290

Delta R.T. 0.000 min

Lab File: BF144065.D

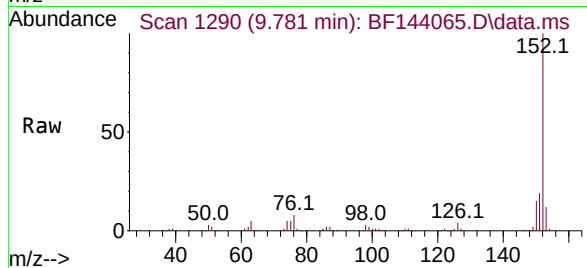
Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425



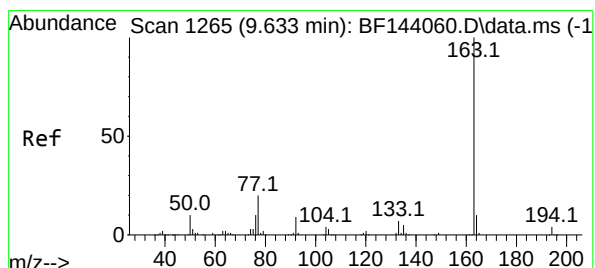
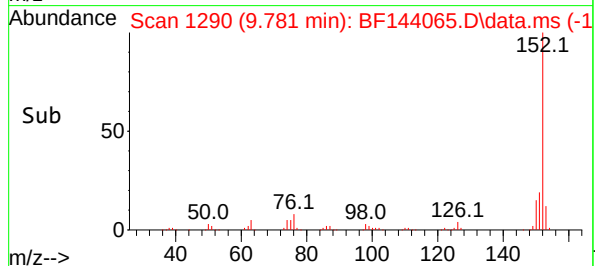
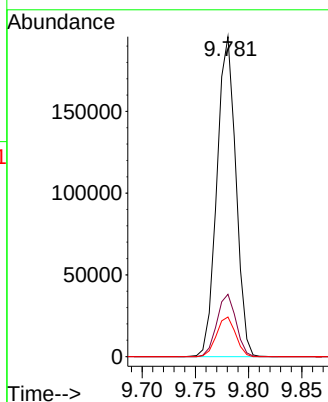
Tgt Ion:152 Resp: 243055

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

153 12.4 10.4 15.6



#50

Dimethylphthalate

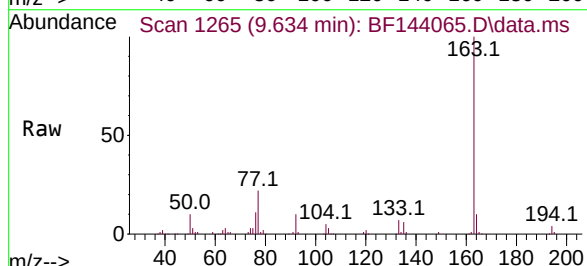
Concen: 34.098 ng

RT: 9.634 min Scan# 1265

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22



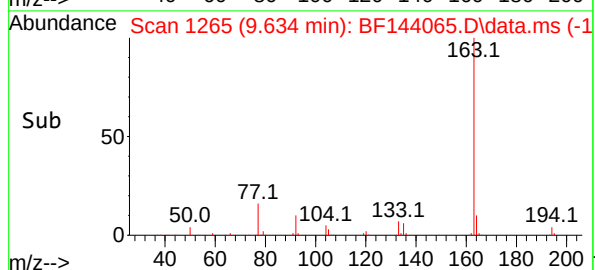
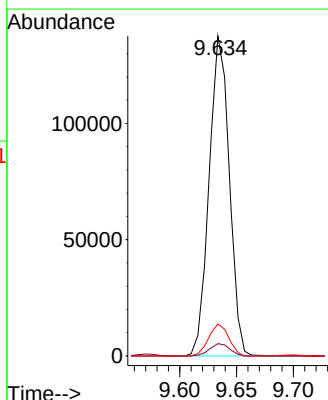
Tgt Ion:163 Resp: 170189

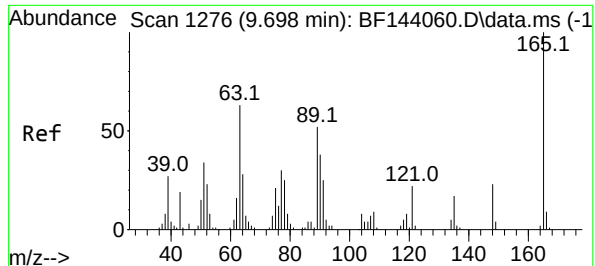
Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

164 10.0 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 35.461 ng

RT: 9.698 min Scan# 1276

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

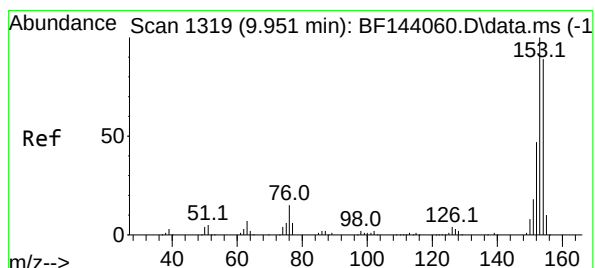
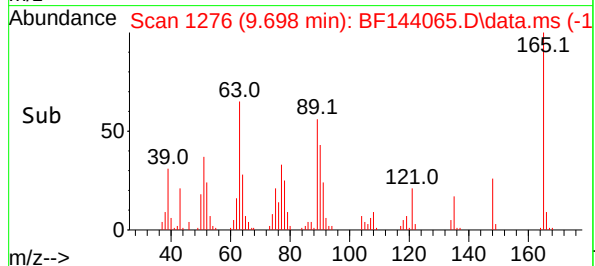
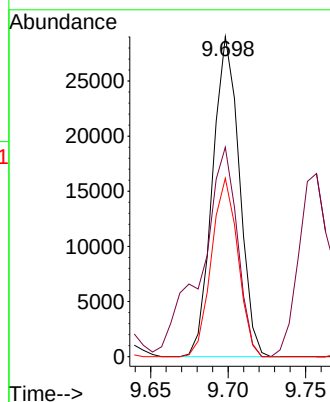
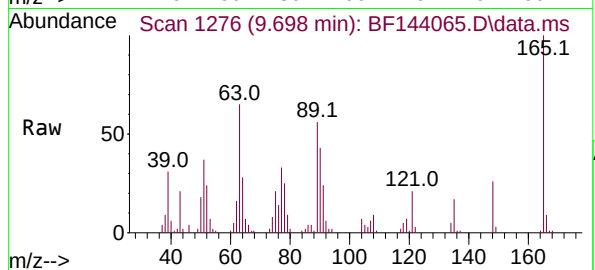
Tgt Ion:165 Resp: 34990

Ion Ratio Lower Upper

165 100

63 65.4 50.4 75.6

89 55.7 41.4 62.2



#52

Acenaphthene

Concen: 35.145 ng

RT: 9.951 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

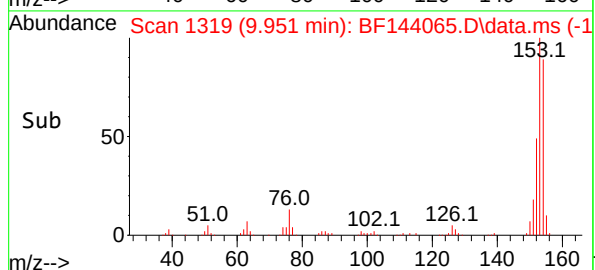
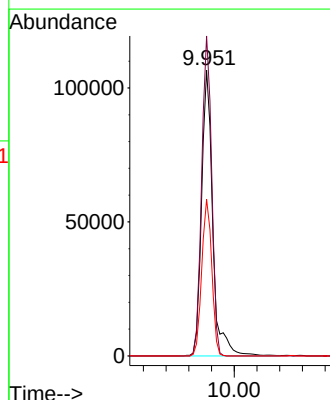
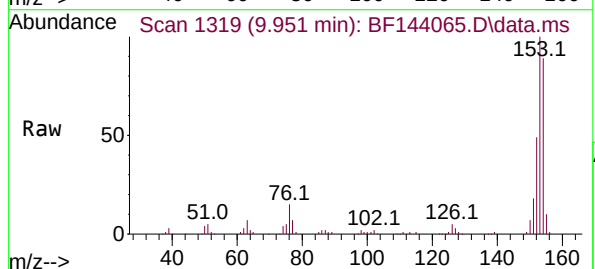
Tgt Ion:154 Resp: 144520

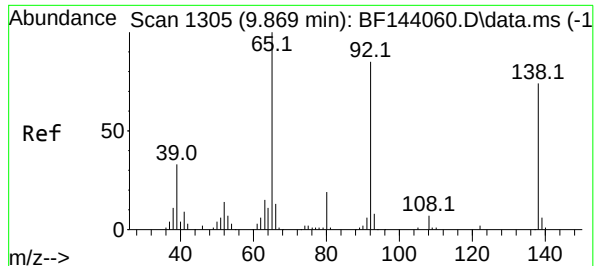
Ion Ratio Lower Upper

154 100

153 111.9 89.9 134.9

152 54.8 42.0 63.0





#53

3-Nitroaniline

Concen: 35.804 ng

RT: 9.869 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

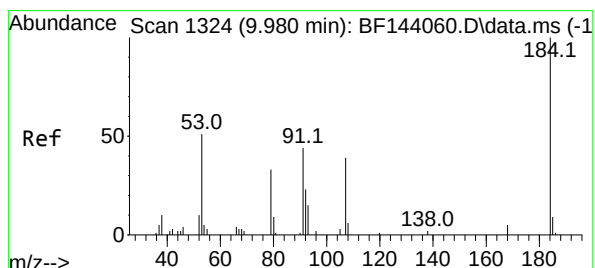
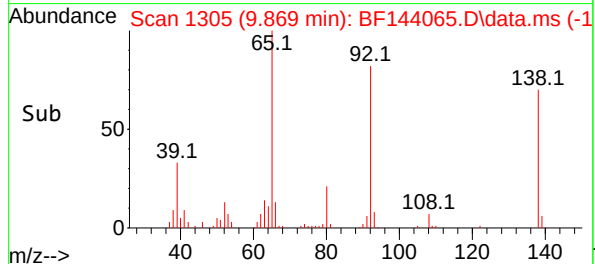
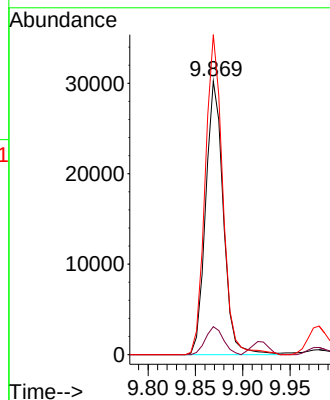
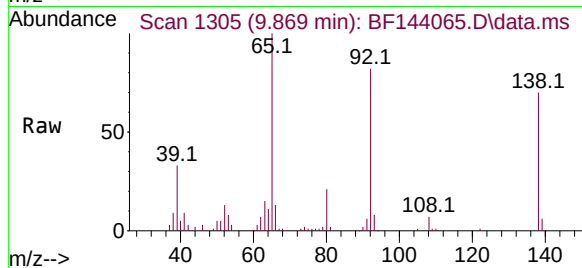
Tgt Ion:138 Resp: 39278

Ion Ratio Lower Upper

138 100

108 10.2 7.9 11.9

92 117.0 92.0 138.0



#54

2,4-Dinitrophenol

Concen: 41.102 ng

RT: 9.981 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

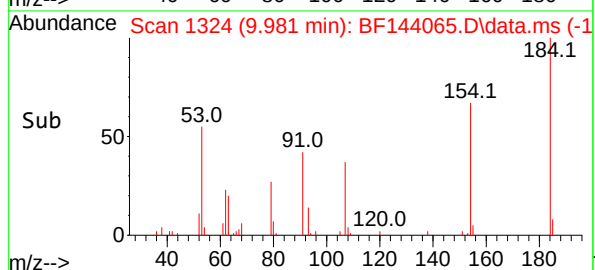
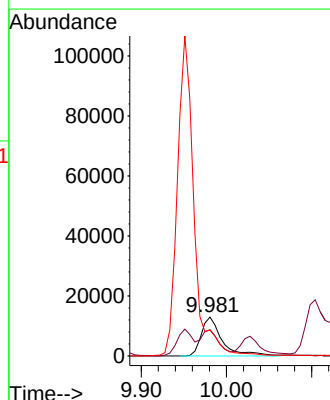
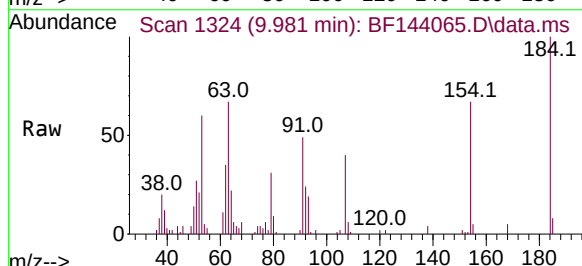
Tgt Ion:184 Resp: 21935

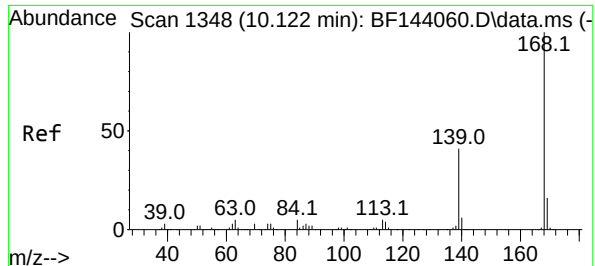
Ion Ratio Lower Upper

184 100

63 67.5 52.1 78.1

154 66.5 47.9 71.9





#55

Dibenzofuran

Concen: 34.140 ng

RT: 10.122 min Scan# 1348

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

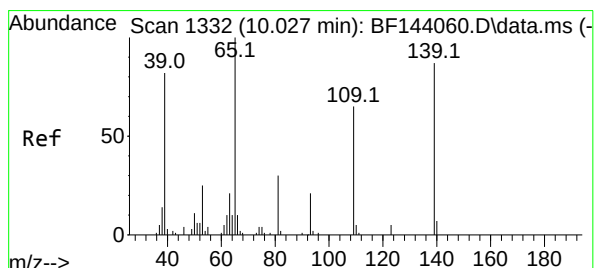
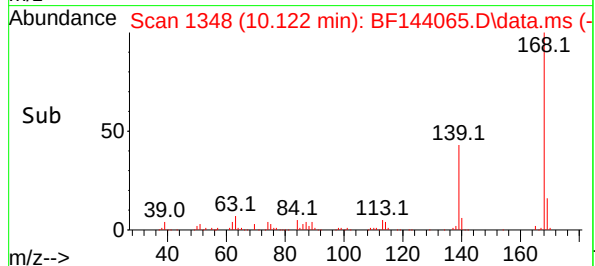
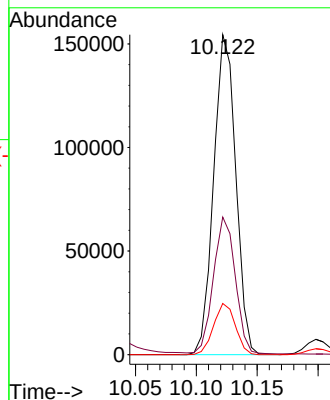
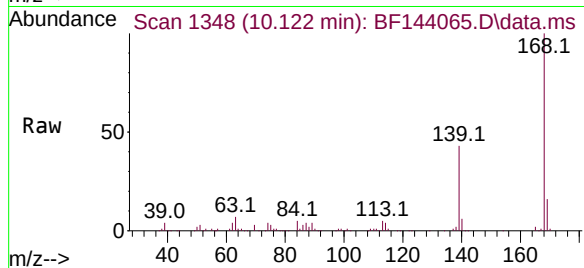
Tgt Ion:168 Resp: 194900

Ion Ratio Lower Upper

168 100

139 43.0 33.2 49.8

169 16.0 12.6 19.0



#56

4-Nitrophenol

Concen: 38.254 ng

RT: 10.028 min Scan# 1332

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

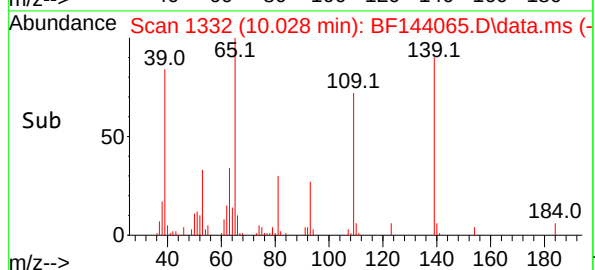
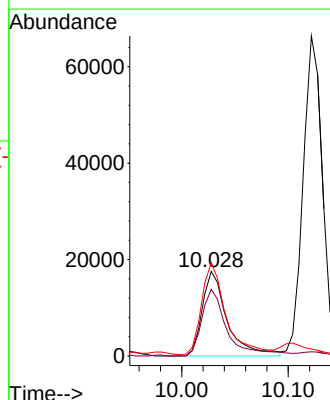
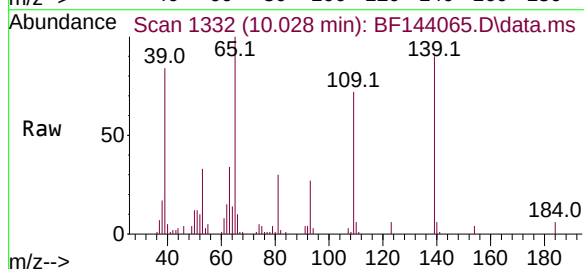
Tgt Ion:139 Resp: 28418

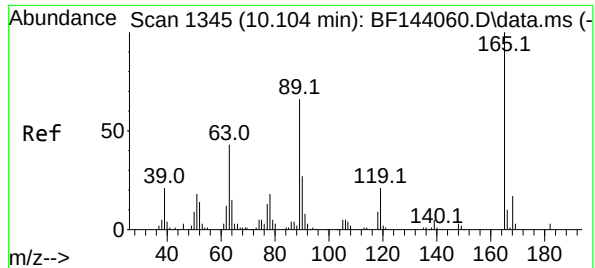
Ion Ratio Lower Upper

139 100

109 79.1 53.8 93.8

65 110.6 95.9 135.9





#57

2,4-Dinitrotoluene

Concen: 37.002 ng

RT: 10.104 min Scan# 1345

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

Tgt Ion:165 Resp: 49275

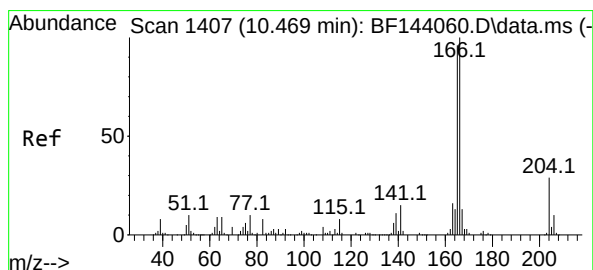
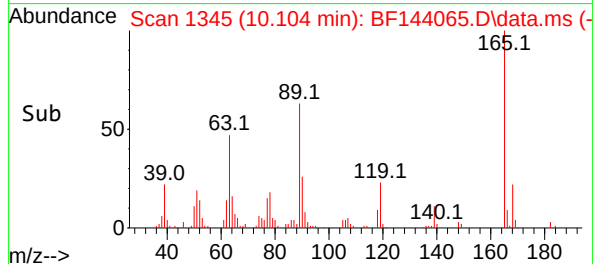
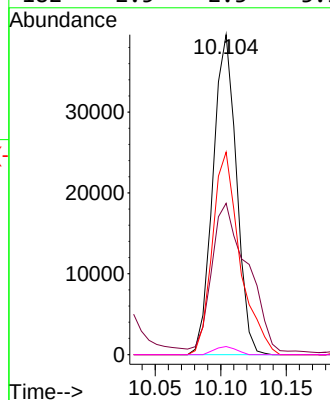
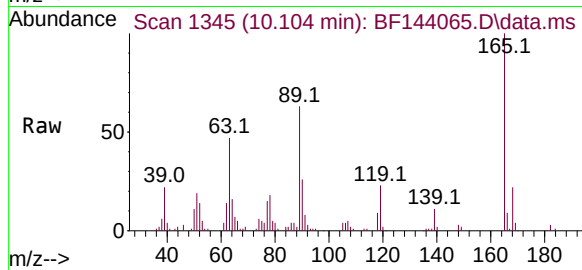
Ion Ratio Lower Upper

165 100

63 47.3 35.4 53.2

89 63.3 52.7 79.1

182 2.5 2.3 3.5



#58

Fluorene

Concen: 34.864 ng

RT: 10.469 min Scan# 1407

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

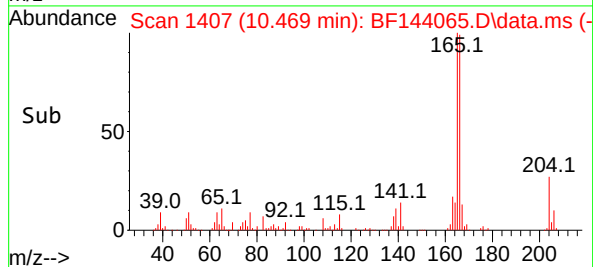
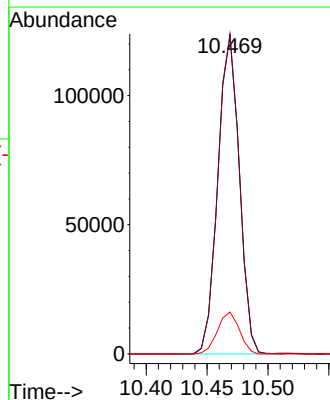
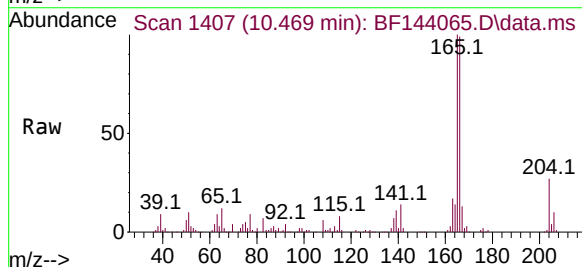
Tgt Ion:166 Resp: 151653

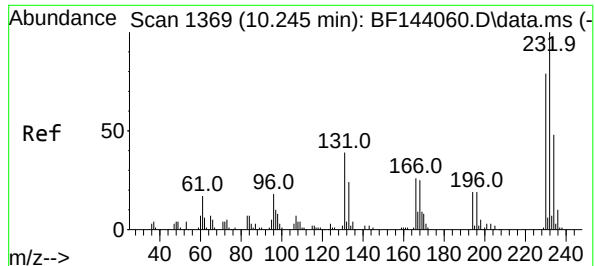
Ion Ratio Lower Upper

166 100

165 100.7 77.0 115.4

167 13.2 10.2 15.4

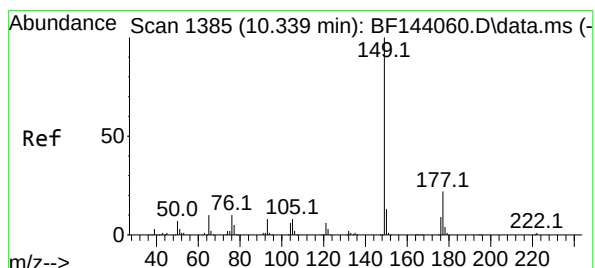
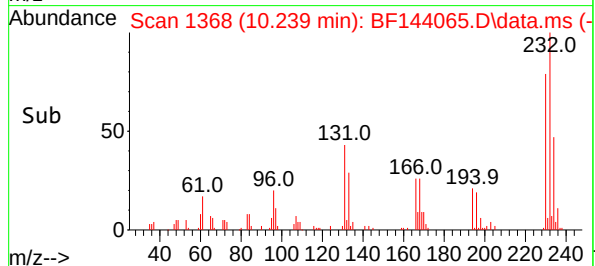
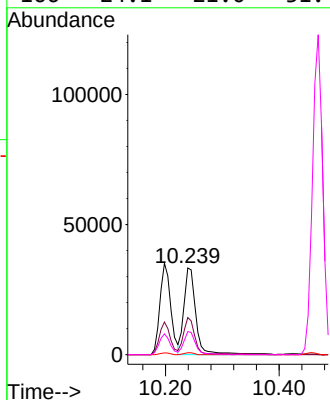
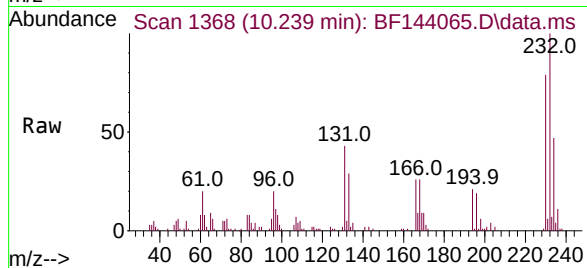




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.232 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

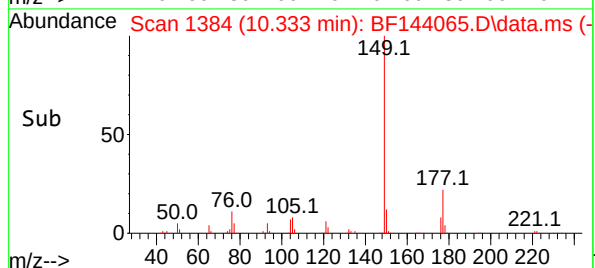
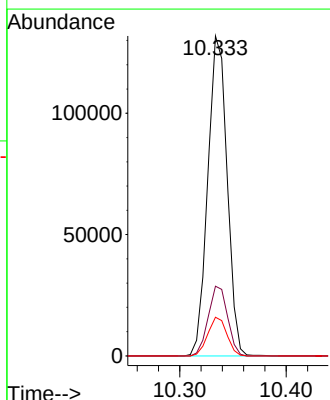
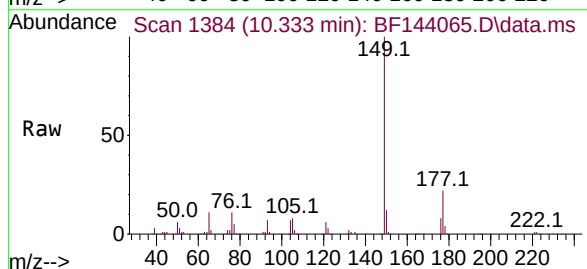
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

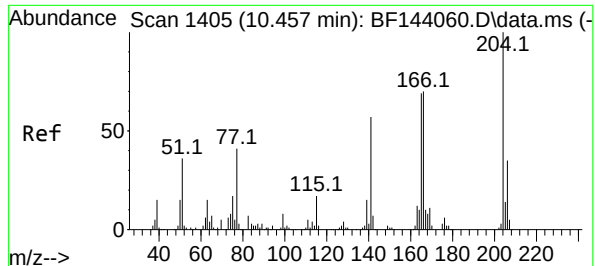
Tgt Ion:232 Resp: 49354
Ion Ratio Lower Upper
232 100
131 36.9 31.9 47.9
130 1.7 1.1 1.7#
166 24.1 21.0 31.4



#60
Diethylphthalate
Concen: 35.442 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:149 Resp: 166357
Ion Ratio Lower Upper
149 100
177 21.8 17.8 26.6
150 12.1 10.1 15.1

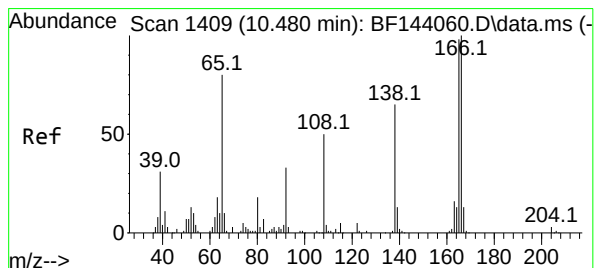
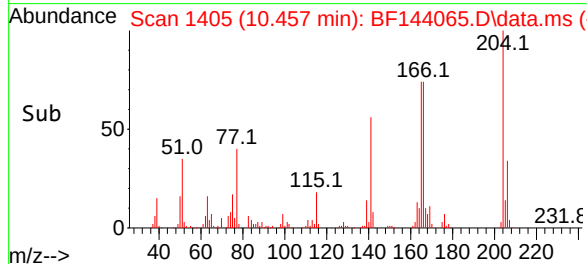
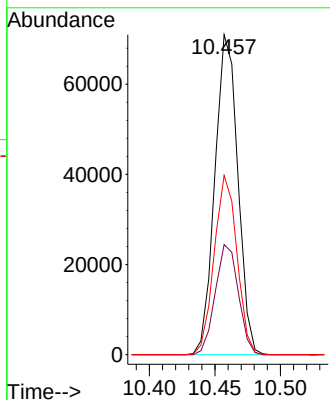
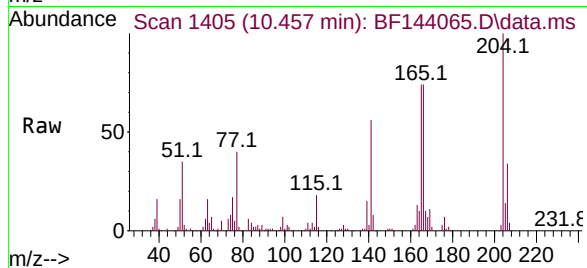




#61
4-Chlorophenyl-phenylether
Concen: 35.479 ng
RT: 10.457 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

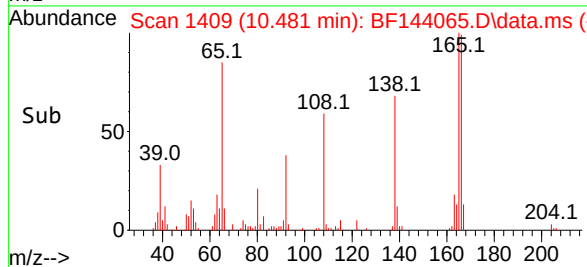
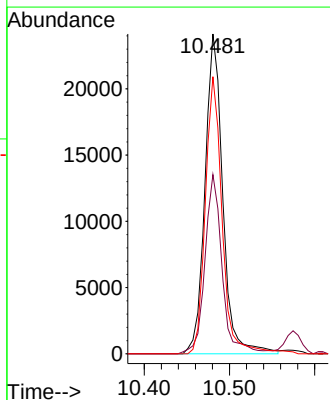
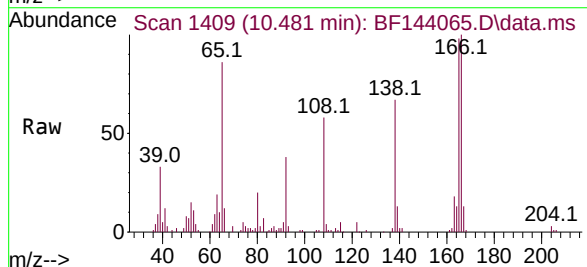
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

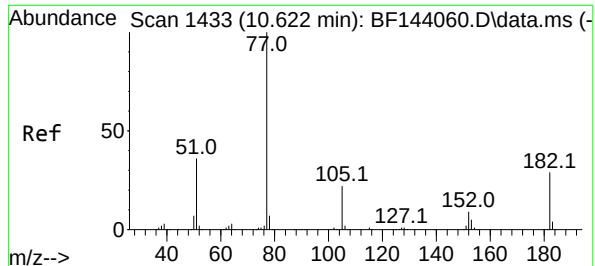
Tgt Ion:204 Resp: 86789
Ion Ratio Lower Upper
204 100
206 34.4 27.8 41.6
141 56.0 45.4 68.2



#62
4-Nitroaniline
Concen: 33.756 ng
RT: 10.481 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:138 Resp: 35087
Ion Ratio Lower Upper
138 100
92 56.0 30.5 70.5
108 86.6 56.2 96.2

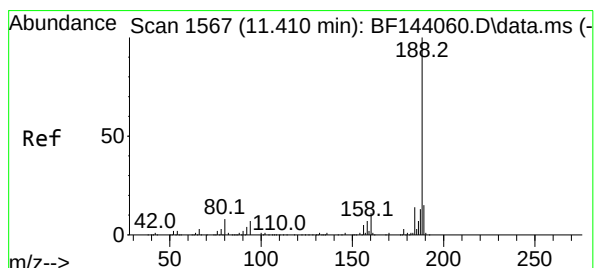
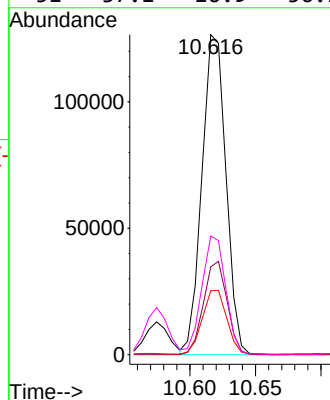
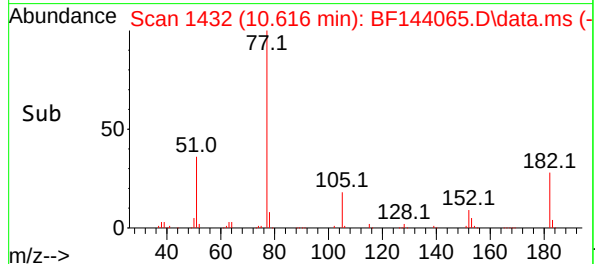
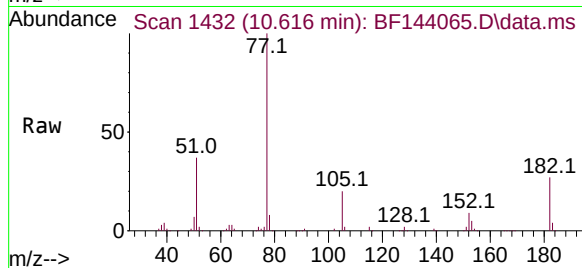




#63
Azobenzene
Concen: 36.422 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

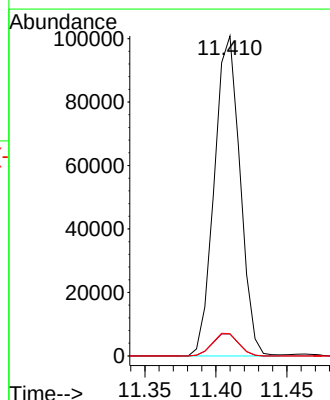
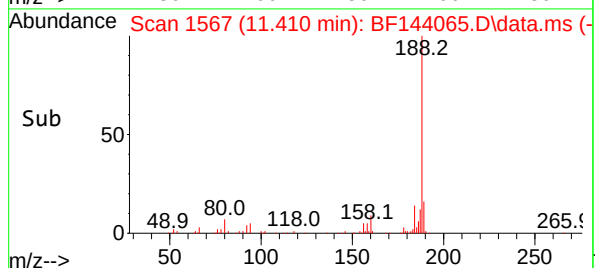
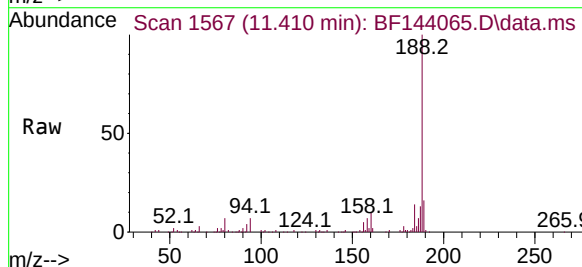
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

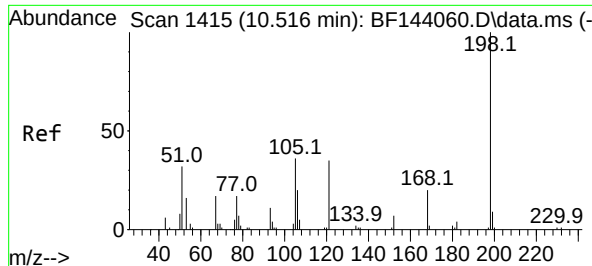
Tgt Ion: 77	Resp: 161807
Ion Ratio	Lower Upper
77 100	
182 27.4	9.0 49.0
105 20.0	1.4 41.4
51 37.1	16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion: 188	Resp: 127305
Ion Ratio	Lower Upper
188 100	
94 6.8	5.4 8.0
80 6.9	6.0 9.0

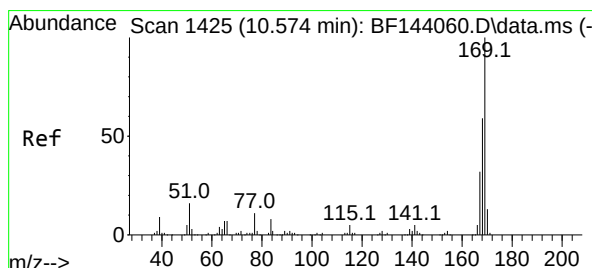
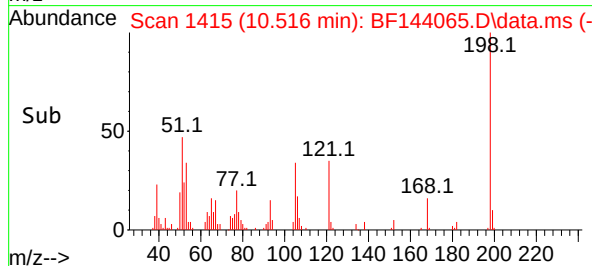
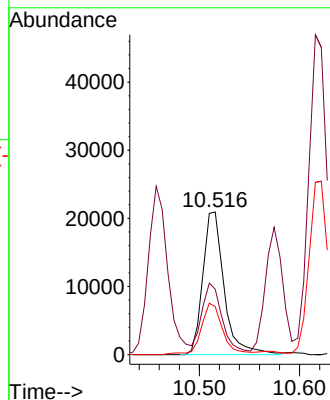
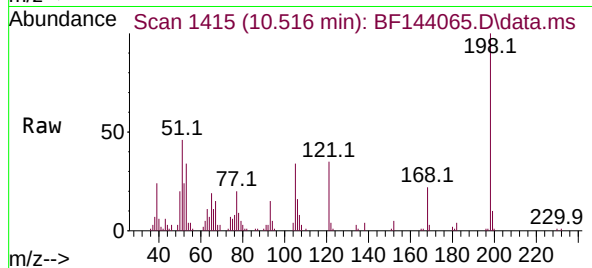




#65
4,6-Dinitro-2-methylphenol
Concen: 37.867 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

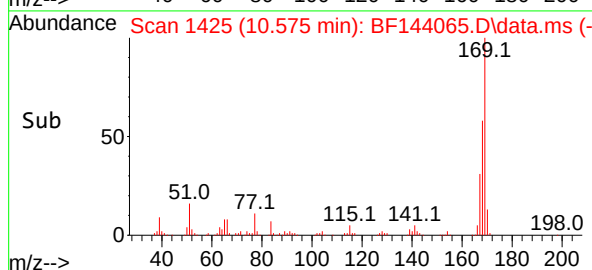
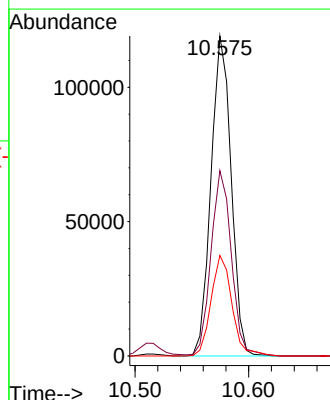
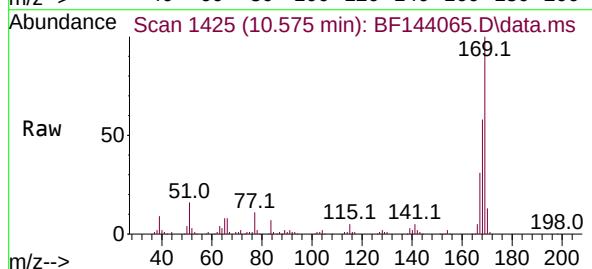
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

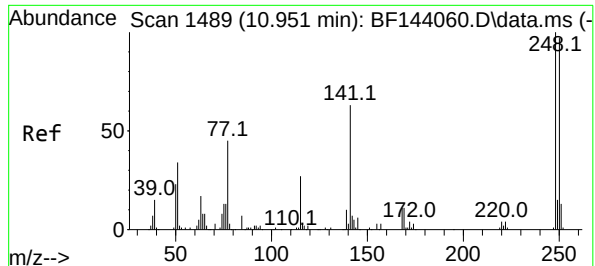
Tgt Ion	Ratio	Lower	Upper
198	100		
51	45.8	25.8	65.8
105	33.6	17.2	57.2



#66
n-Nitrosodiphenylamine
Concen: 36.075 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion	Ratio	Lower	Upper
169	100		
168	57.9	47.4	71.2
167	31.4	25.5	38.3

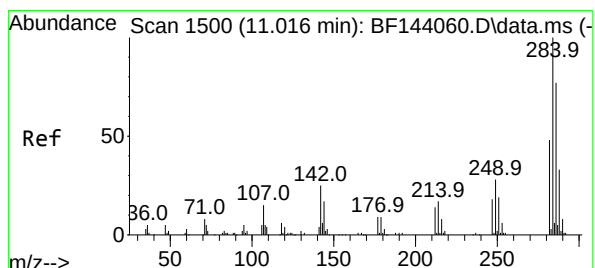
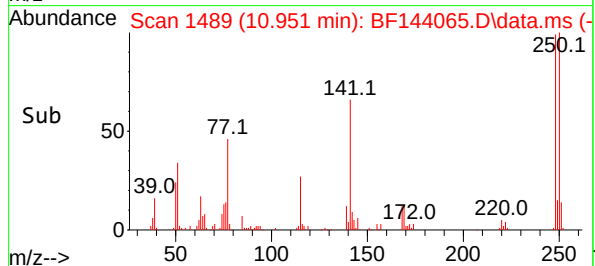
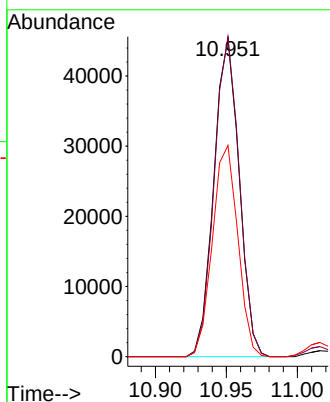
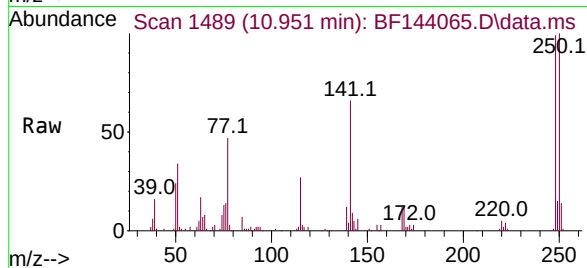




#67
4-Bromophenyl-phenylether
Concen: 35.313 ng
RT: 10.951 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

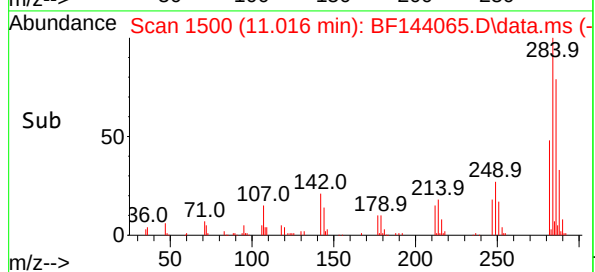
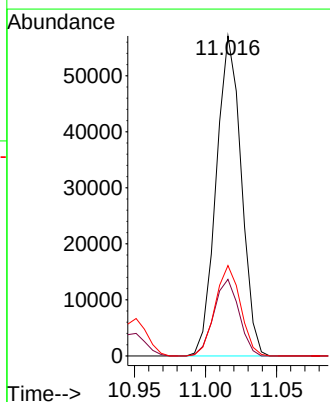
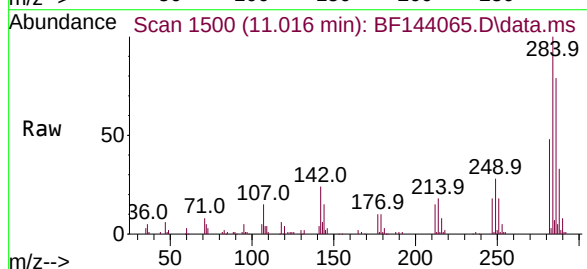
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

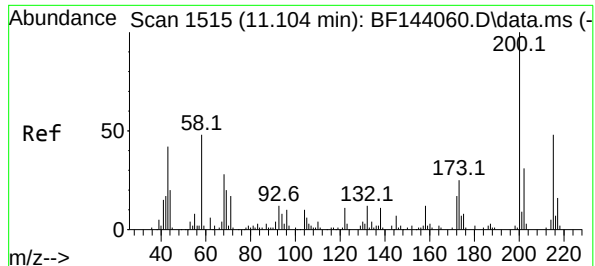
Tgt Ion:248 Resp: 56286
Ion Ratio Lower Upper
248 100
250 100.6 77.8 116.6
141 66.4 50.5 75.7



#68
Hexachlorobenzene
Concen: 35.903 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:284 Resp: 70184
Ion Ratio Lower Upper
284 100
142 23.9 20.0 30.0
249 28.2 22.2 33.2





#69

Atrazine

Concen: 36.643 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

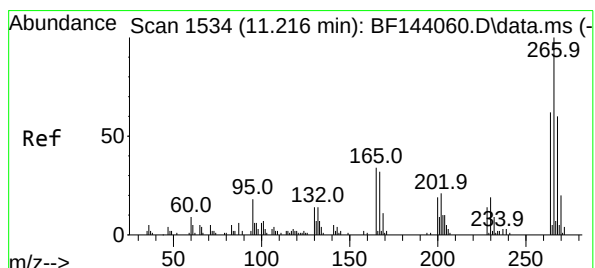
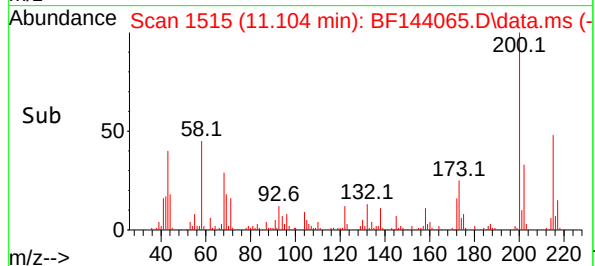
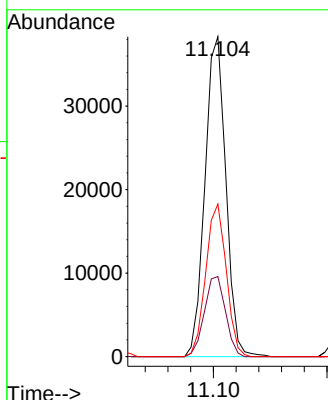
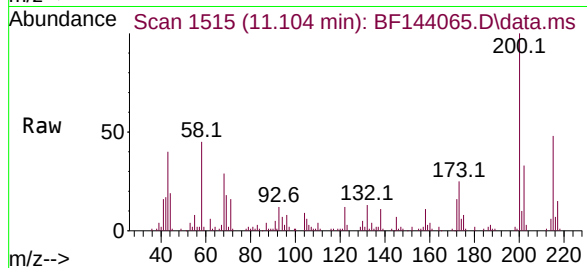
Tgt Ion:200 Resp: 48908

Ion Ratio Lower Upper

200 100

173 25.0 4.9 44.9

215 47.7 28.2 68.2



#70

Pentachlorophenol

Concen: 33.237 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

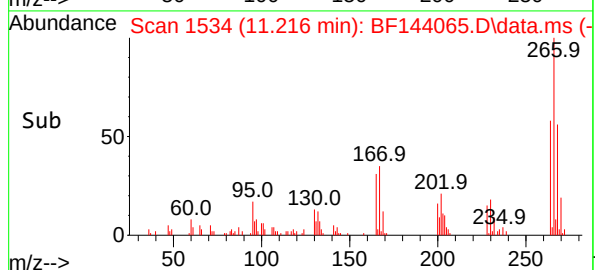
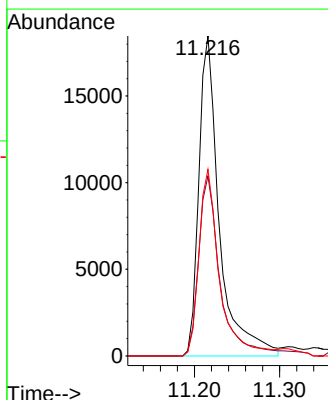
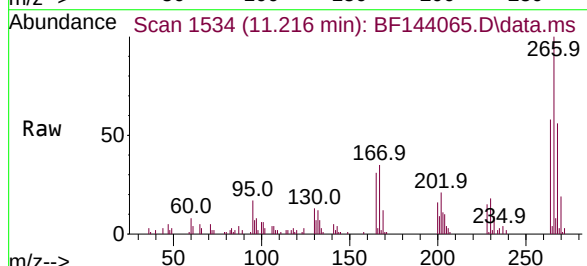
Tgt Ion:266 Resp: 30927

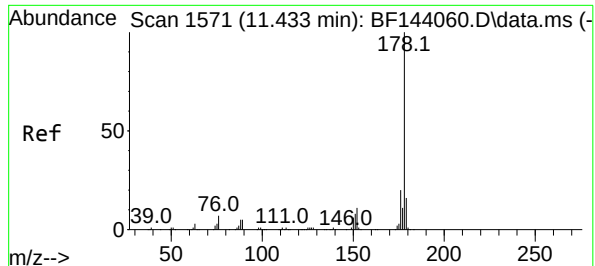
Ion Ratio Lower Upper

266 100

268 56.2 48.2 72.4

264 58.3 49.4 74.0

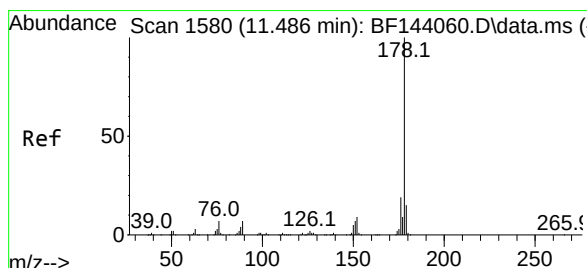
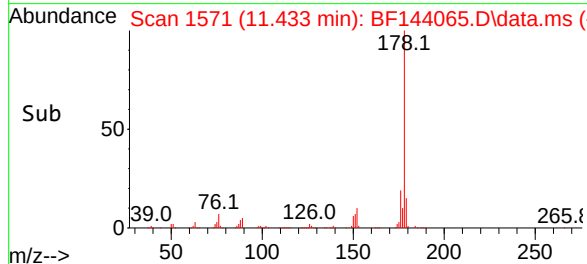
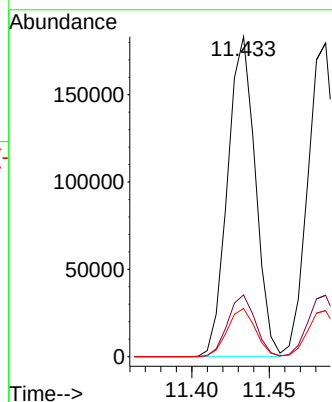
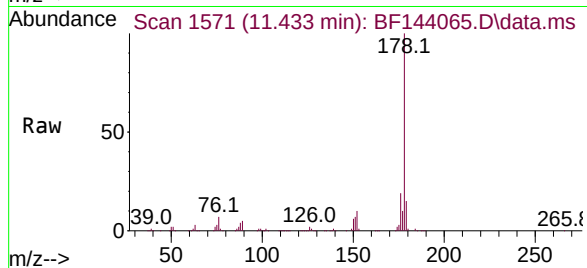




#71
Phenanthrene
Concen: 36.120 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

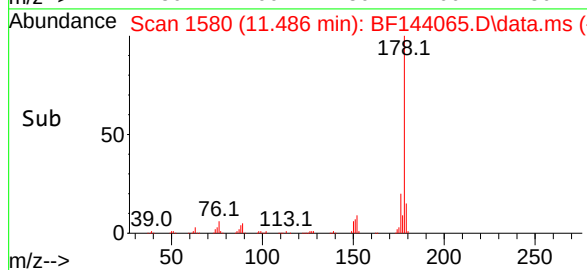
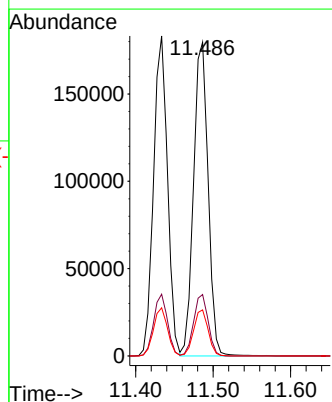
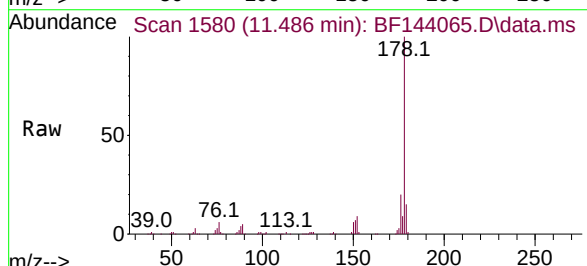
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

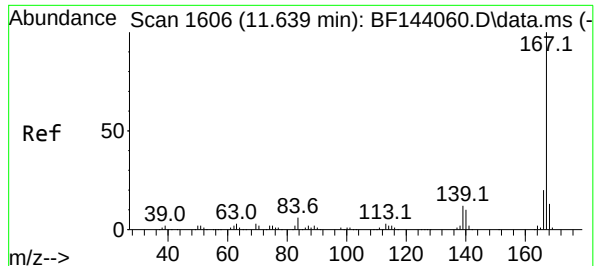
Tgt Ion:178 Resp: 228423
Ion Ratio Lower Upper
178 100
176 19.3 16.3 24.5
179 15.0 12.6 18.8



#72
Anthracene
Concen: 35.782 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:178 Resp: 233757
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.4
179 14.7 11.8 17.6

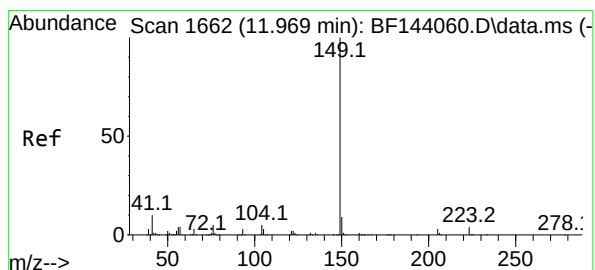
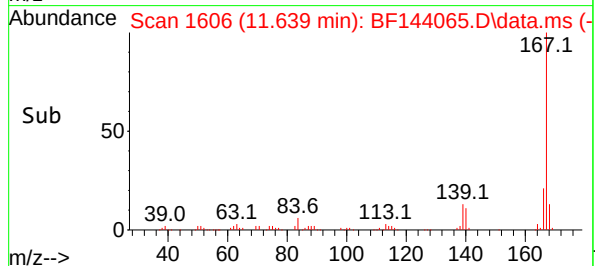
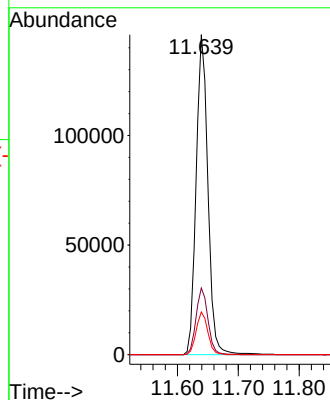
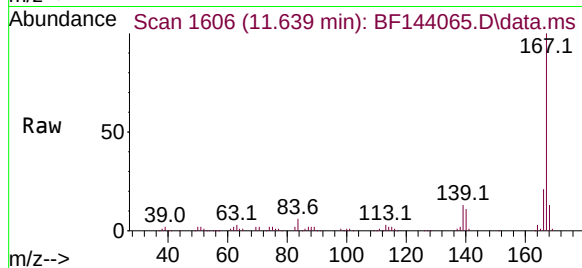




#73
Carbazole
Concen: 35.250 ng
RT: 11.639 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

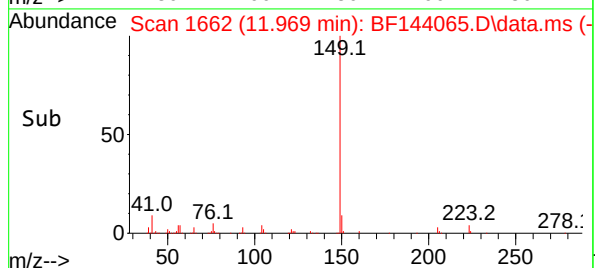
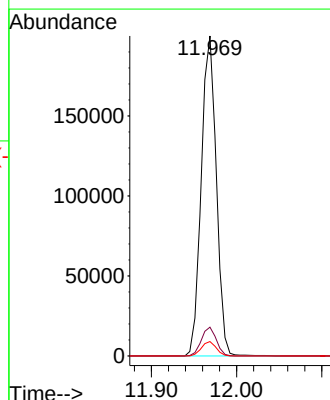
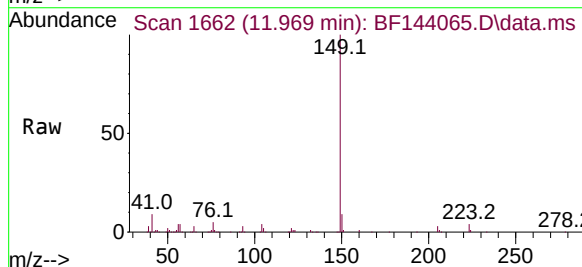
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

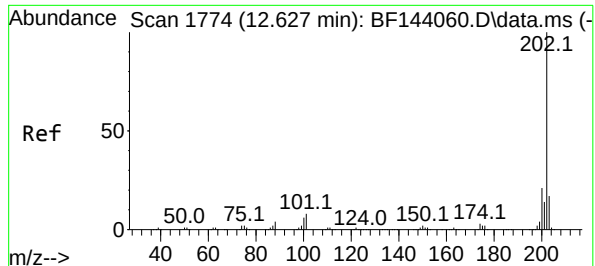
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	16.1	24.1
139	13.3	9.8	14.6



#74
Di-n-butylphthalate
Concen: 35.967 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.5	3.6	5.4

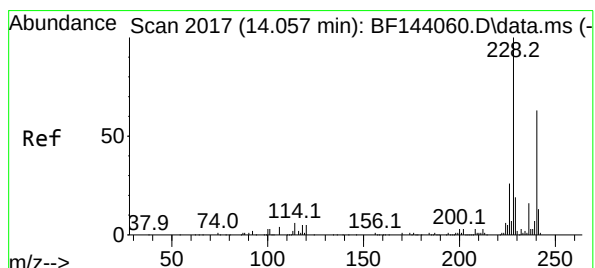
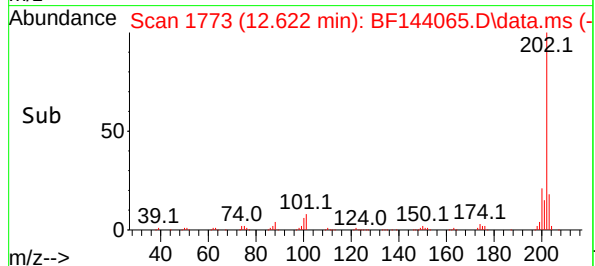
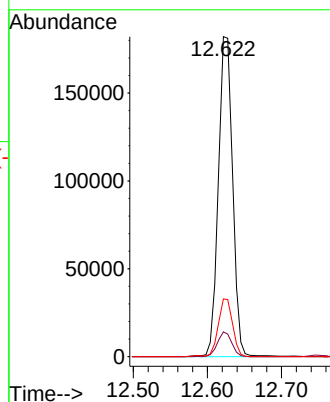
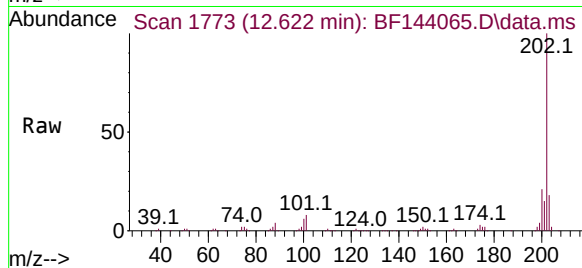




#75
Fluoranthene
Concen: 34.929 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

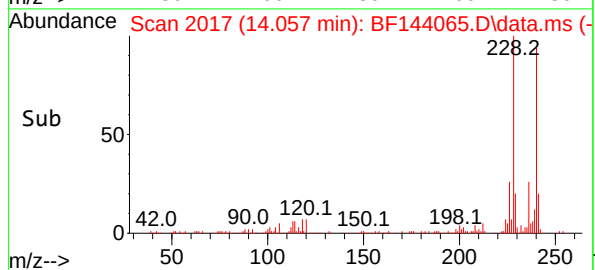
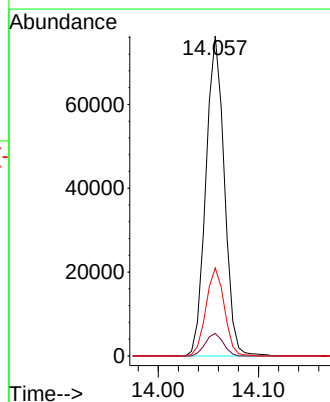
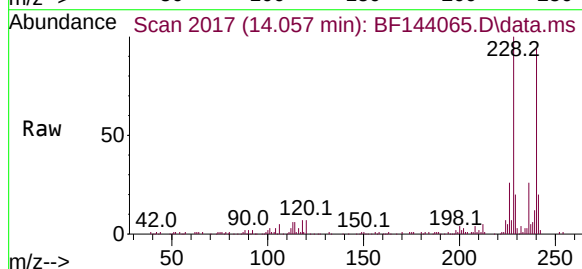
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

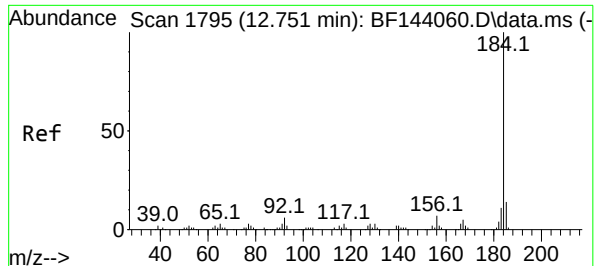
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	27.7
203	18.0	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.5	9.7
236	27.5	20.1	30.1





#77

Benzidine

Concen: 48.386 ng

RT: 12.745 min Scan# 1794

Delta R.T. -0.006 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

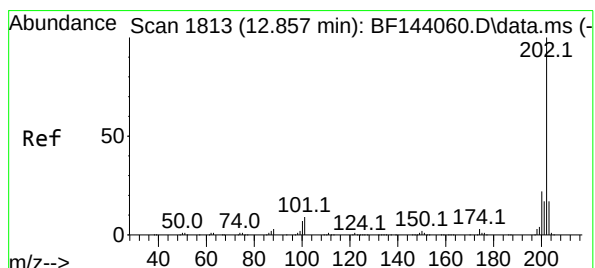
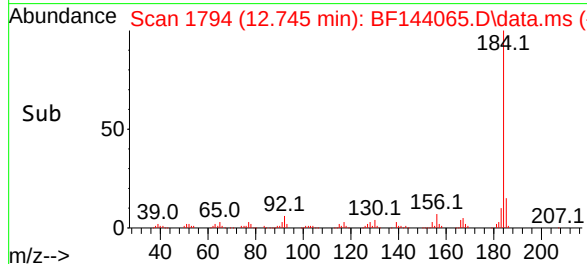
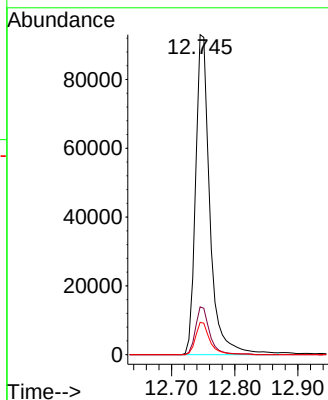
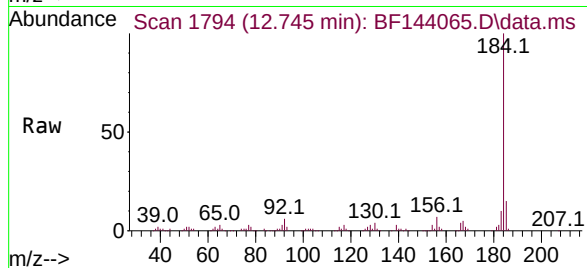
Tgt Ion:184 Resp: 146518

Ion Ratio Lower Upper

184 100

185 14.9 11.6 17.4

183 10.1 8.5 12.7



#78

Pyrene

Concen: 35.297 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

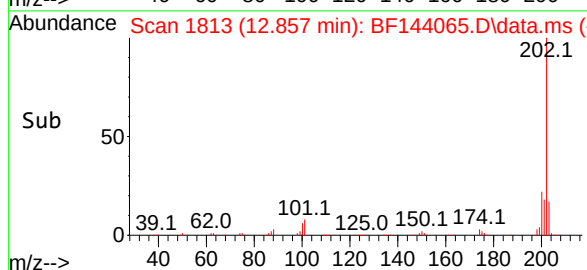
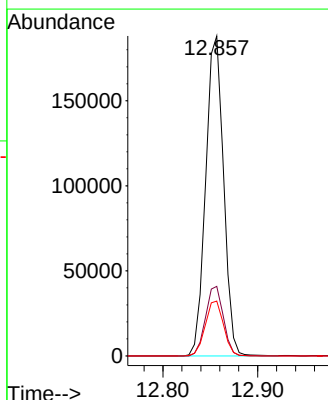
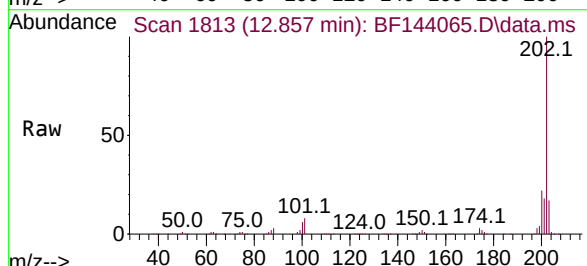
Tgt Ion:202 Resp: 246902

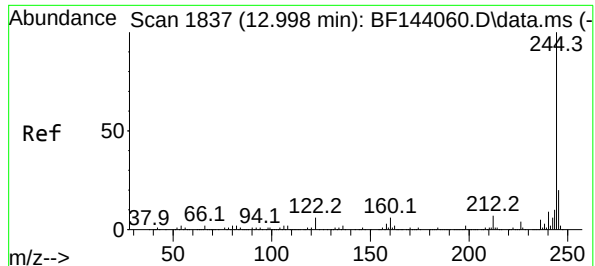
Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

203 17.1 13.5 20.3





#79

Terphenyl-d14

Concen: 73.542 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

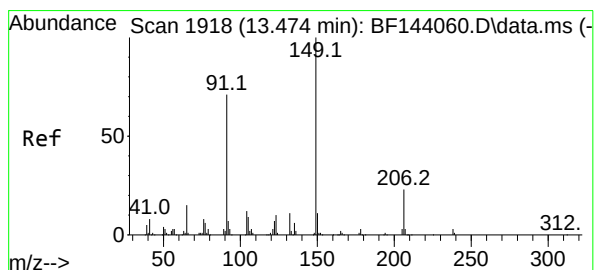
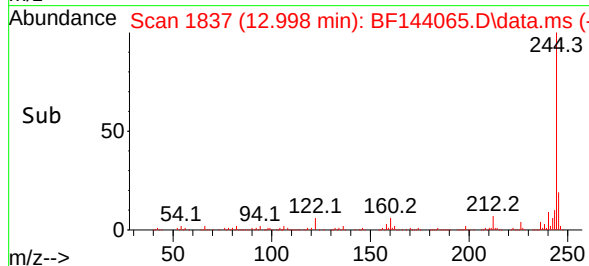
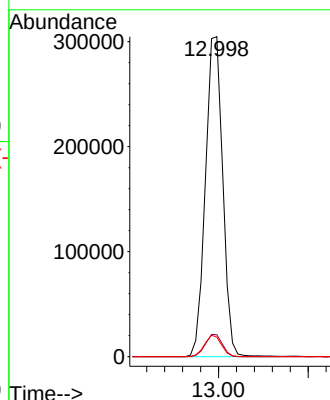
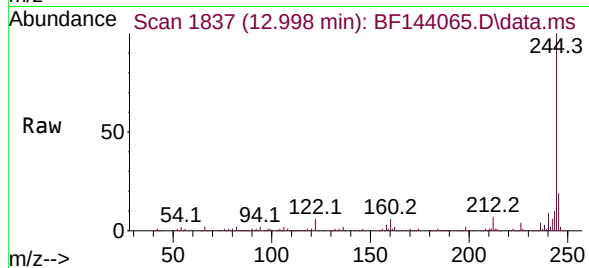
Tgt Ion:244 Resp: 409300

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 6.1 4.9 7.3



#80

Butylbenzylphthalate

Concen: 35.741 ng

RT: 13.469 min Scan# 1917

Delta R.T. -0.006 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

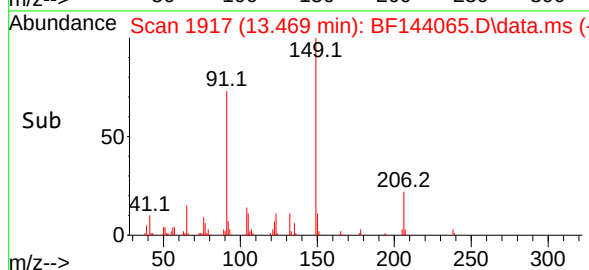
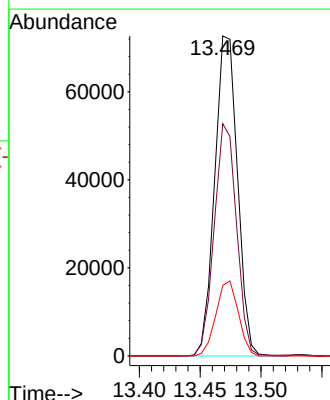
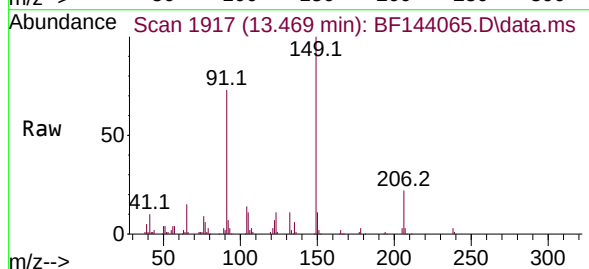
Tgt Ion:149 Resp: 94583

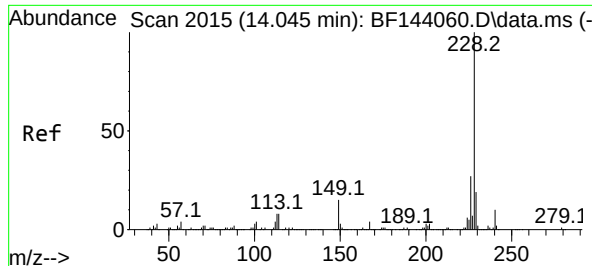
Ion Ratio Lower Upper

149 100

91 72.6 56.6 84.8

206 22.0 18.3 27.5





#81

Benzo(a)anthracene

Concen: 35.620 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

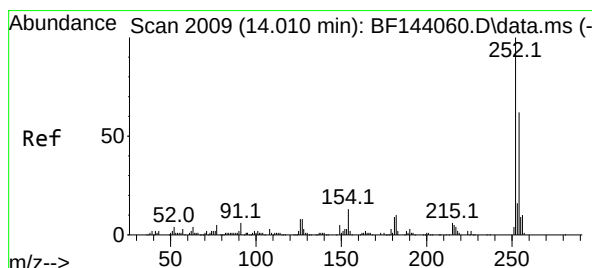
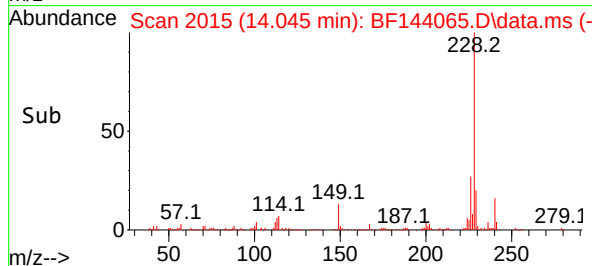
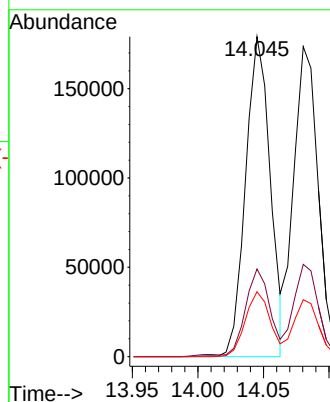
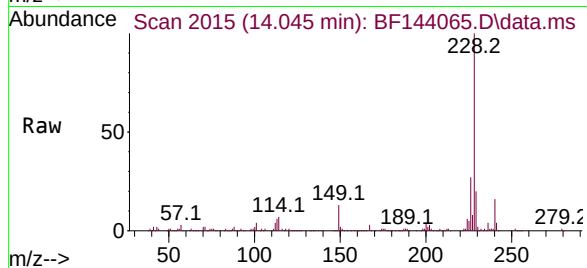
Tgt Ion:228 Resp: 234218

Ion Ratio Lower Upper

228 100

226 27.4 21.4 32.2

229 20.3 15.3 22.9



#82

3,3'-Dichlorobenzidine

Concen: 42.643 ng

RT: 14.010 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

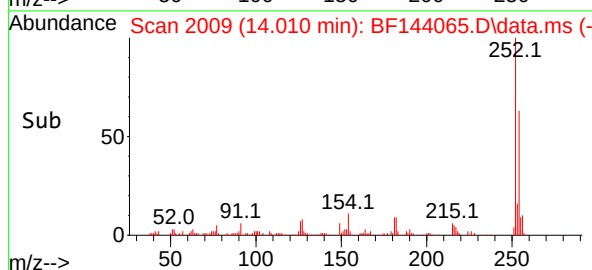
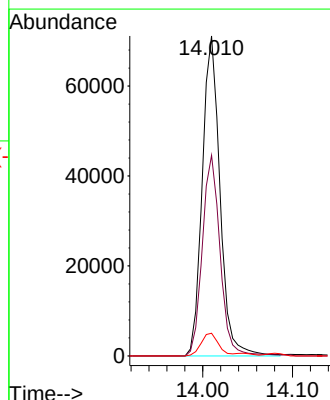
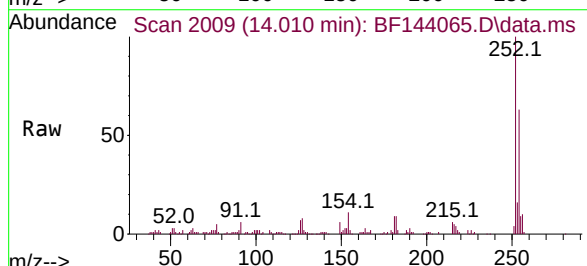
Tgt Ion:252 Resp: 97608

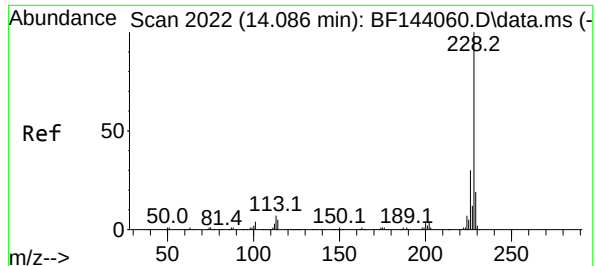
Ion Ratio Lower Upper

252 100

254 62.7 49.9 74.9

126 7.1 6.5 9.7





#83

Chrysene

Concen: 36.371 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

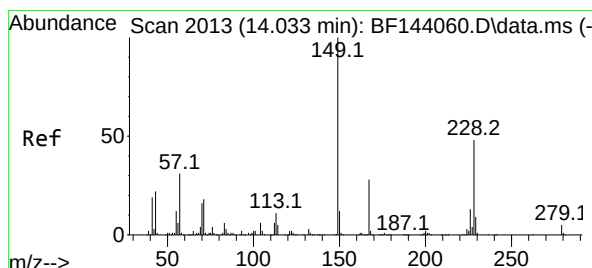
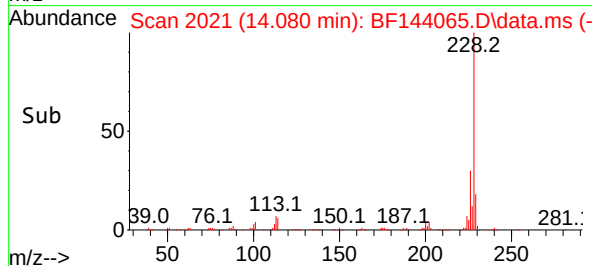
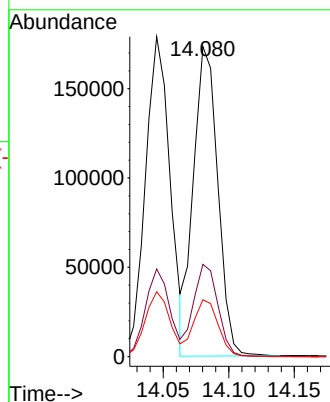
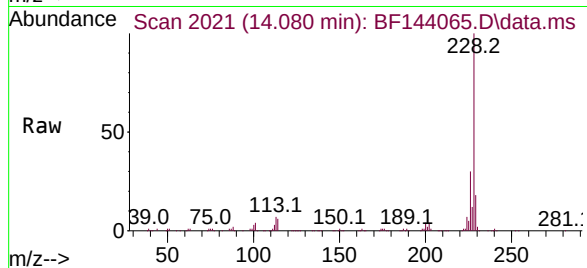
Tgt Ion:228 Resp: 224422

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

229 18.4 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 36.110 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

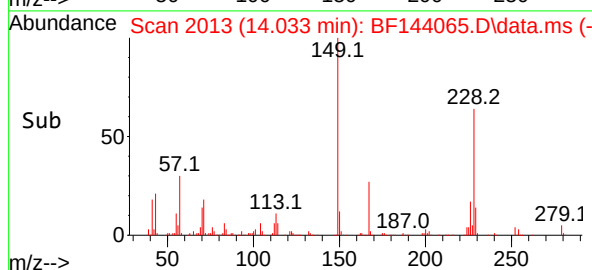
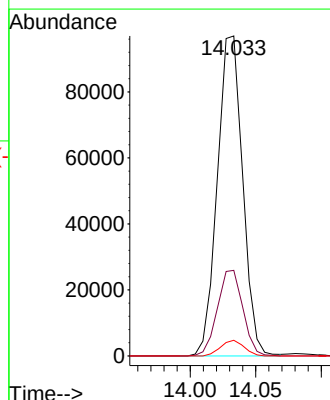
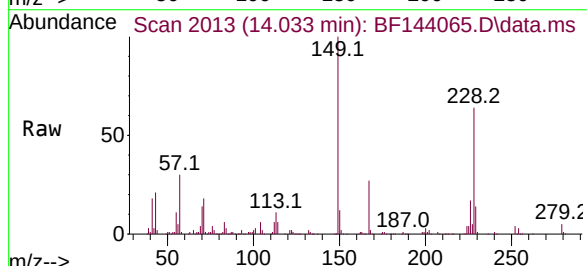
Tgt Ion:149 Resp: 130456

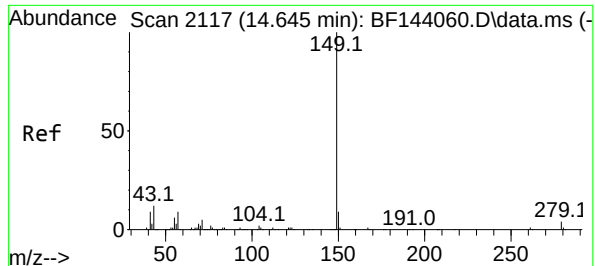
Ion Ratio Lower Upper

149 100

167 26.7 22.5 33.7

279 4.9 3.6 5.4

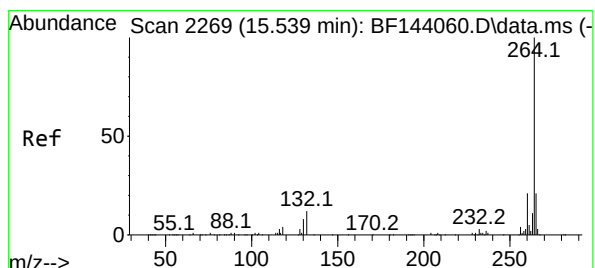
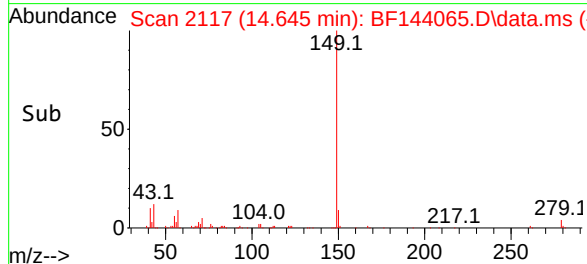
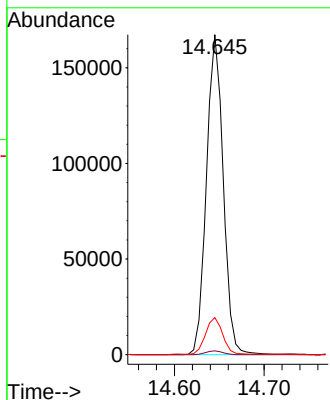
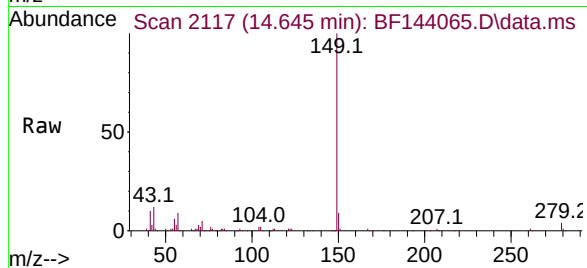




#85
Di-n-octyl phthalate
Concen: 35.142 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

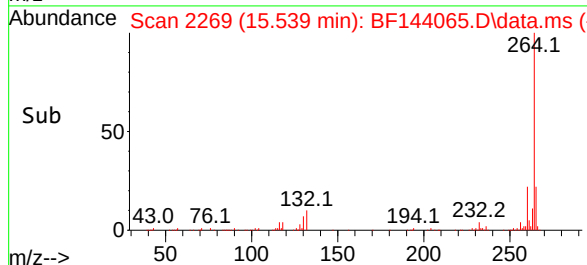
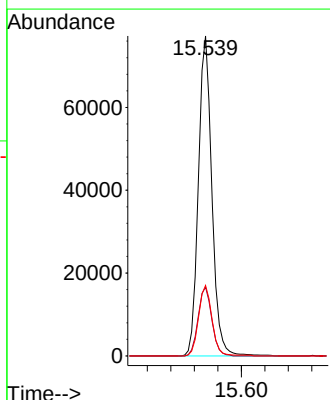
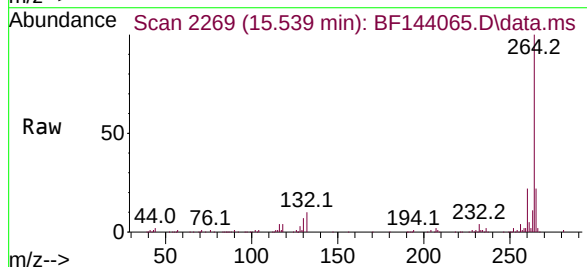
Instrument :
BNA_F
ClientSampleId :
ICVBF102425

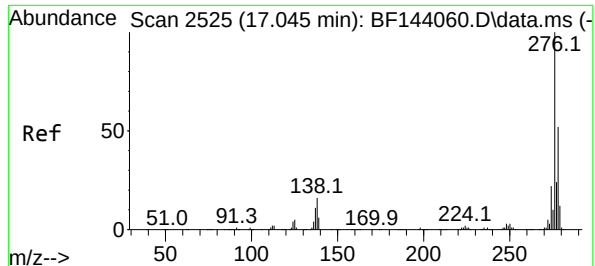
Tgt Ion:149 Resp: 218335
Ion Ratio Lower Upper
149 100
167 1.2 1.2 1.8#
43 12.0 9.3 13.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144065.D
Acq: 24 Oct 2025 17:22

Tgt Ion:264 Resp: 122912
Ion Ratio Lower Upper
264 100
260 21.5 17.0 25.4
265 22.0 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 35.856 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

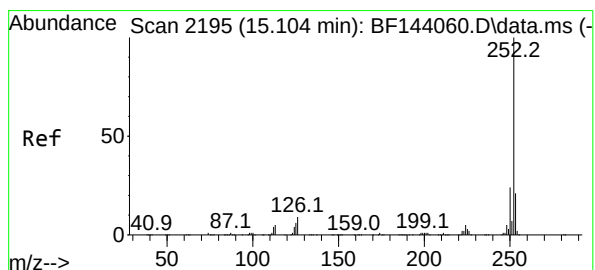
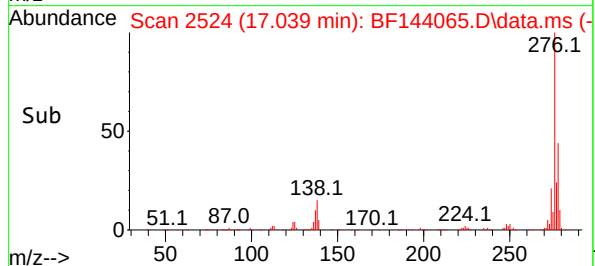
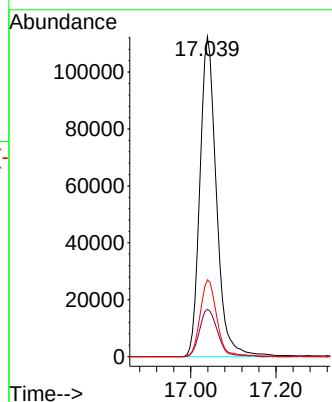
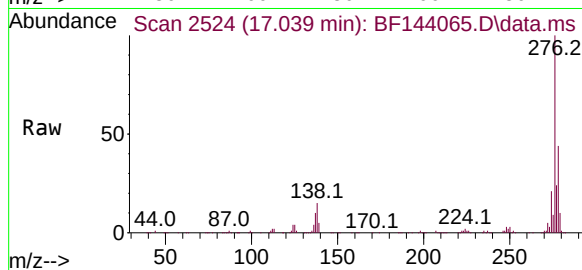
Tgt Ion:276 Resp: 302575

Ion Ratio Lower Upper

276 100

138 16.0 13.0 19.6

277 24.4 19.4 29.0



#88

Benzo(b)fluoranthene

Concen: 33.715 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

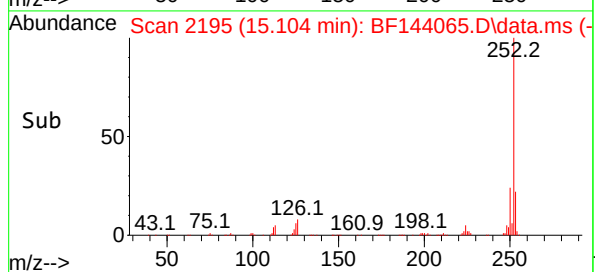
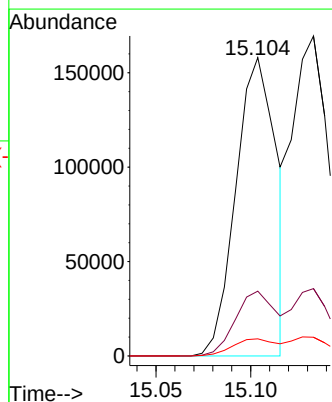
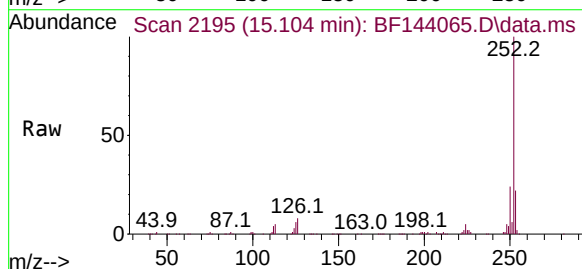
Tgt Ion:252 Resp: 234274

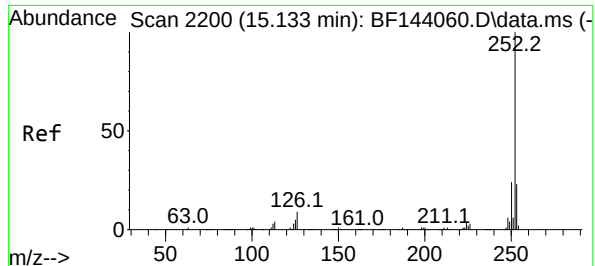
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 5.7 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 37.516 ng

RT: 15.133 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

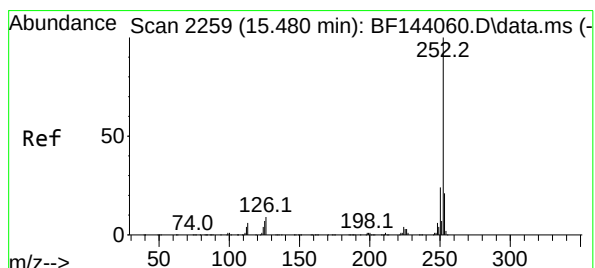
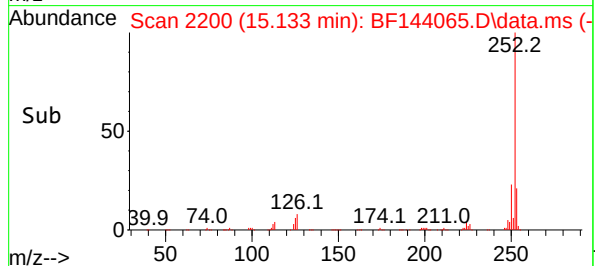
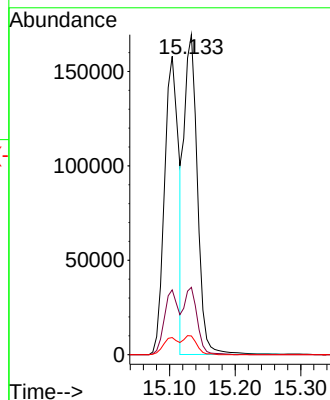
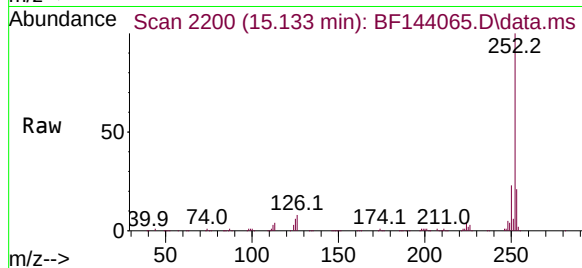
Tgt Ion:252 Resp: 240517

Ion Ratio Lower Upper

252 100

253 21.0 17.4 26.2

125 5.8 4.9 7.3



#90

Benzo(a)pyrene

Concen: 36.773 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

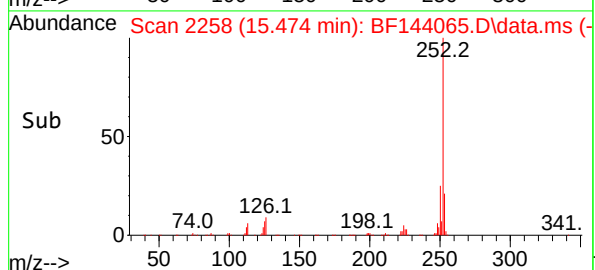
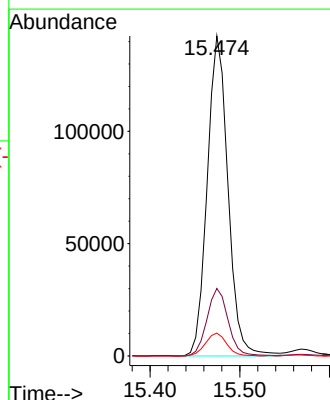
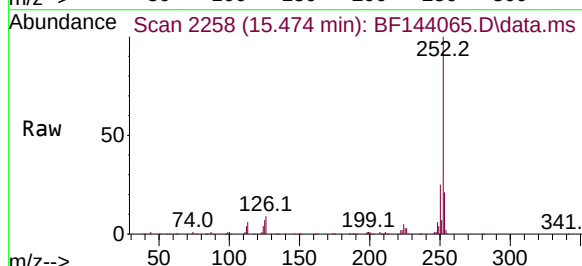
Tgt Ion:252 Resp: 229237

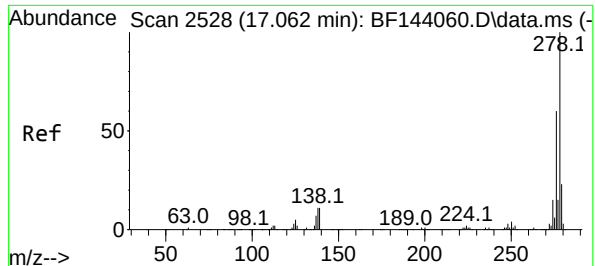
Ion Ratio Lower Upper

252 100

253 21.1 17.1 25.7

125 7.1 5.4 8.2





#91

Dibenzo(a,h)anthracene

Concen: 36.012 ng

RT: 17.057 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

Instrument :

BNA_F

ClientSampleId :

ICVBF102425

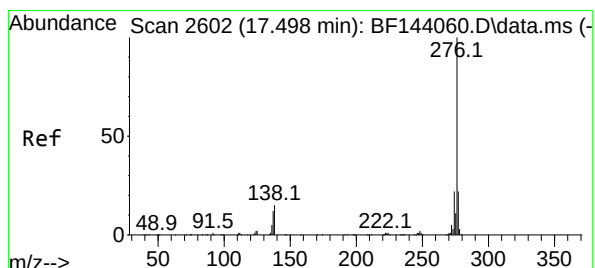
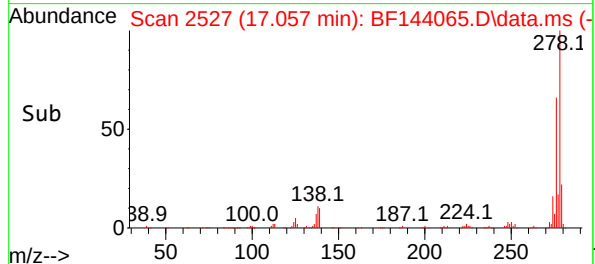
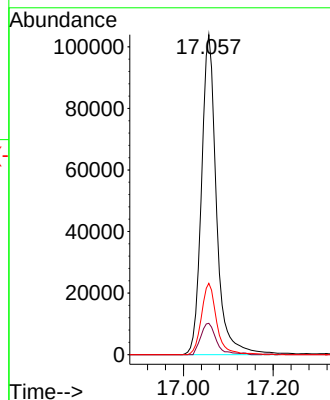
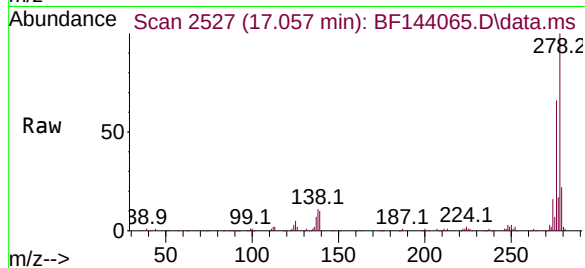
Tgt Ion:278 Resp: 240551

Ion Ratio Lower Upper

278 100

139 9.8 8.5 12.7

279 22.3 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 36.942 ng

RT: 17.492 min Scan# 2601

Delta R.T. -0.006 min

Lab File: BF144065.D

Acq: 24 Oct 2025 17:22

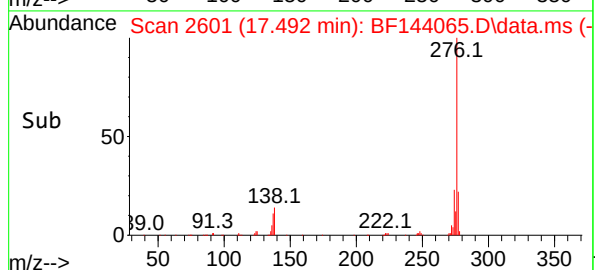
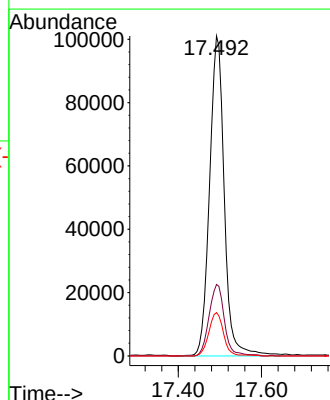
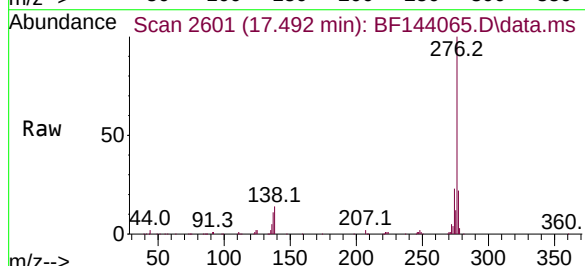
Tgt Ion:276 Resp: 248094

Ion Ratio Lower Upper

276 100

277 22.3 17.9 26.9

138 13.5 12.0 18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	80	0.00
2	1,4-Dioxane	40.000	35.621	10.9	71	0.00
3	Pyridine	40.000	32.576	18.6	63	0.00
4	n-Nitrosodimethylamine	40.000	36.893	7.8	73	0.00
5 S	2-Fluorophenol	80.000	70.283	12.1	68	0.00
6	Aniline	40.000	36.320	9.2	72	0.00
7 S	Phenol-d6	80.000	68.955	13.8	69	0.00
8	2-Chlorophenol	40.000	33.579	16.1	67	0.00
9	Benzaldehyde	40.000	34.852	12.9	73	0.00
10 C	Phenol	40.000	34.853	12.9	69	0.00
11	bis(2-Chloroethyl)ether	40.000	33.851	15.4	68	0.00
12	1,3-Dichlorobenzene	40.000	36.971	7.6	73	0.00
13 C	1,4-Dichlorobenzene	40.000	37.183	7.0	73	0.00
14	1,2-Dichlorobenzene	40.000	35.872	10.3	71	0.00
15	Benzyl Alcohol	40.000	36.330	9.2	72	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	34.517	13.7	68	0.00
17	2-Methylphenol	40.000	35.152	12.1	73	0.00
18	Hexachloroethane	40.000	34.696	13.3	69	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	35.002	12.5	72	0.00
20	3+4-Methylphenols	40.000	36.095	9.8	70	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	78	0.00
22	Acetophenone	40.000	38.453	3.9	74	0.00
23 S	Nitrobenzene-d5	80.000	70.696	11.6	68	0.00
24	Nitrobenzene	40.000	36.753	8.1	70	0.00
25	Isophorone	40.000	36.322	9.2	70	0.00
26 C	2-Nitrophenol	40.000	36.360	9.1	68	0.00
27	2,4-Dimethylphenol	40.000	39.405	1.5	73	0.00
28	bis(2-Chloroethoxy)methane	40.000	35.182	12.0	67	0.00
29 C	2,4-Dichlorophenol	40.000	35.901	10.2	69	0.00
30	1,2,4-Trichlorobenzene	40.000	38.739	3.2	74	0.00
31	Naphthalene	40.000	35.834	10.4	68	0.00
32	Benzoic acid	40.000	44.054	-10.1	102	0.00
33	4-Chloroaniline	40.000	41.428	-3.6	79	0.00
34 C	Hexachlorobutadiene	40.000	38.260	4.4	74	0.00
35	Caprolactam	40.000	35.331	11.7	65	0.00
36 C	4-Chloro-3-methylphenol	40.000	36.112	9.7	70	0.00
37	2-Methylnaphthalene	40.000	33.233	16.9	62	0.00
38	1-Methylnaphthalene	40.000	35.945	10.1	70	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	35.121	12.2	71	0.00
41 P	Hexachlorocyclopentadiene	40.000	48.585	-21.5	99	0.00
42 S	2,4,6-Tribromophenol	80.000	68.551	14.3	69	0.00
43 C	2,4,6-Trichlorophenol	40.000	33.986	15.0	67	0.00
44	2,4,5-Trichlorophenol	40.000	36.018	10.0	75	0.00
45 S	2-Fluorobiphenyl	80.000	67.717	15.4	69	0.00
46	1,1'-Biphenyl	40.000	35.345	11.6	71	0.00
47	2-Chloronaphthalene	40.000	34.908	12.7	71	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	36.621	8.4	71	0.00
49	Acenaphthylene	40.000	39.474	1.3	78	0.00
50	Dimethylphthalate	40.000	34.098	14.8	68	0.00
51	2,6-Dinitrotoluene	40.000	35.461	11.3	69	0.00
52 C	Acenaphthene	40.000	35.145	12.1	71	0.00
53	3-Nitroaniline	40.000	35.804	10.5	67	0.00
54 P	2,4-Dinitrophenol	40.000	41.102	-2.8	97	0.00
55	Dibenzofuran	40.000	34.140	14.6	68	0.00
56 P	4-Nitrophenol	40.000	38.254	4.4	83	0.00
57	2,4-Dinitrotoluene	40.000	37.002	7.5	70	0.00
58	Fluorene	40.000	34.864	12.8	70	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.232	1.9	75	0.00
60	Diethylphthalate	40.000	35.442	11.4	70	0.00
61	4-Chlorophenyl-phenylether	40.000	35.479	11.3	70	0.00
62	4-Nitroaniline	40.000	33.756	15.6	65	0.00
63	Azobenzene	40.000	36.422	8.9	71	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	80	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.867	5.3	79	0.00
66 c	n-Nitrosodiphenylamine	40.000	36.075	9.8	72	0.00
67	4-Bromophenyl-phenylether	40.000	35.313	11.7	68	0.00
68	Hexachlorobenzene	40.000	35.903	10.2	68	0.00
69	Atrazine	40.000	36.643	8.4	74	0.00
70 C	Pentachlorophenol	40.000	33.237	16.9	65	0.00
71	Phenanthrene	40.000	36.120	9.7	70	0.00
72	Anthracene	40.000	35.782	10.5	70	0.00
73	Carbazole	40.000	35.250	11.9	68	0.00
74	Di-n-butylphthalate	40.000	35.967	10.1	69	0.00
75 C	Fluoranthene	40.000	34.929	12.7	68	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	79	0.00
77	Benzydine	40.000	48.386	-21.0	89	0.00
78	Pyrene	40.000	35.297	11.8	66	0.00
79 S	Terphenyl-d14	80.000	73.542	8.1	68	0.00
80	Butylbenzylphthalate	40.000	35.741	10.6	64	0.00
81	Benzo(a)anthracene	40.000	35.620	11.0	62	0.00
82	3,3'-Dichlorobenzidine	40.000	42.643	-6.6	77	0.00
83	Chrysene	40.000	36.371	9.1	69	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	36.110	9.7	66	0.00
85 c	Di-n-octyl phthalate	40.000	35.142	12.1	63	0.00
86 I	Perylene-d12	20.000	20.000	0.0	80	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	35.856	10.4	67	0.00
88	Benzo(b)fluoranthene	40.000	33.715	15.7	61	0.00
89	Benzo(k)fluoranthene	40.000	37.516	6.2	74	0.00
90 C	Benzo(a)pyrene	40.000	36.773	8.1	69	0.00
91	Dibenzo(a,h)anthracene	40.000	36.012	10.0	67	0.00
92	Benzo(g,h,i)perylene	40.000	36.942	7.6	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
2	1,4-Dioxane	0.546	0.486	11.0	71	0.00
3	Pyridine	1.462	1.191	18.5	63	0.00
4	n-Nitrosodimethylamine	0.899	0.829	7.8	73	0.00
5 S	2-Fluorophenol	1.264	1.111	12.1	68	0.00
6	Aniline	1.997	1.814	9.2	72	0.00
7 S	Phenol-d6	1.396	1.203	13.8	69	0.00
8	2-Chlorophenol	1.245	1.045	16.1	67	0.00
9	Benzaldehyde	1.084	0.944	12.9	73	0.00
10 C	Phenol	1.722	1.501	12.8	69	0.00
11	bis(2-Chloroethyl)ether	1.245	1.053	15.4	68	0.00
12	1,3-Dichlorobenzene	1.536	1.419	7.6	73	0.00
13 C	1,4-Dichlorobenzene	1.513	1.407	7.0	73	0.00
14	1,2-Dichlorobenzene	1.464	1.313	10.3	71	0.00
15	Benzyl Alcohol	1.135	1.031	9.2	72	0.00
16	2,2'-oxybis(1-Chloropropane	2.339	2.018	13.7	68	0.00
17	2-Methylphenol	0.957	0.841	12.1	73	0.00
18	Hexachloroethane	0.541	0.469	13.3	69	0.00
19 P	n-Nitroso-di-n-propylamine	0.903	0.790	12.5	72	0.00
20	3+4-Methylphenols	1.132	1.021	9.8	70	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	78	0.00
22	Acetophenone	0.432	0.416	3.7	74	0.00
23 S	Nitrobenzene-d5	0.365	0.323	11.5	68	0.00
24	Nitrobenzene	0.386	0.355	8.0	70	0.00
25	Isophorone	0.638	0.580	9.1	70	0.00
26 C	2-Nitrophenol	0.184	0.167	9.2	68	0.00
27	2,4-Dimethylphenol	0.273	0.269	1.5	73	0.00
28	bis(2-Chloroethoxy)methane	0.398	0.350	12.1	67	0.00
29 C	2,4-Dichlorophenol	0.317	0.285	10.1	69	0.00
30	1,2,4-Trichlorobenzene	0.327	0.316	3.4	74	0.00
31	Naphthalene	0.944	0.846	10.4	68	0.00
32	Benzoic acid	0.173	0.191	-10.4	102	0.00
33	4-Chloroaniline	0.329	0.340	-3.3	79	0.00
34 C	Hexachlorobutadiene	0.267	0.255	4.5	74	0.00
35	Caprolactam	0.080	0.070	12.5	65	0.00
36 C	4-Chloro-3-methylphenol	0.280	0.253	9.6	70	0.00
37	2-Methylnaphthalene	0.622	0.517	16.9	62	0.00
38	1-Methylnaphthalene	0.590	0.530	10.2	70	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	0.687	0.604	12.1	71	0.00
41 P	Hexachlorocyclopentadiene	0.212	0.258	-21.7	99	0.00
42 S	2,4,6-Tribromophenol	0.255	0.218	14.5	69	0.00
43 C	2,4,6-Trichlorophenol	0.447	0.380	15.0	67	0.00
44	2,4,5-Trichlorophenol	0.469	0.422	10.0	75	0.00
45 S	2-Fluorobiphenyl	1.421	1.203	15.3	69	0.00
46	1,1'-Biphenyl	1.432	1.265	11.7	71	0.00
47	2-Chloronaphthalene	1.199	1.047	12.7	71	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.356	0.326	8.4	71	0.00
49	Acenaphthylene	1.617	1.596	1.3	78	0.00
50	Dimethylphthalate	1.311	1.118	14.7	68	0.00
51	2,6-Dinitrotoluene	0.259	0.230	11.2	69	0.00
52 C	Acenaphthene	1.080	0.949	12.1	71	0.00
53	3-Nitroaniline	0.288	0.258	10.4	67	0.00
54 P	2,4-Dinitrophenol	0.140	0.144	-2.9	97	0.00
55	Dibenzofuran	1.499	1.280	14.6	68	0.00
56 P	4-Nitrophenol	0.195	0.187	4.1	83	0.00
57	2,4-Dinitrotoluene	0.350	0.324	7.4	70	0.00
58	Fluorene	1.143	0.996	12.9	70	0.00
59	2,3,4,6-Tetrachlorophenol	0.330	0.324	1.8	75	0.00
60	Diethylphthalate	1.233	1.092	11.4	70	0.00
61	4-Chlorophenyl-phenylether	0.643	0.570	11.4	70	0.00
62	4-Nitroaniline	0.273	0.230	15.8	65	0.00
63	Azobenzene	1.167	1.062	9.0	71	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	80	0.00
65	4,6-Dinitro-2-methylphenol	0.128	0.121	5.5	79	0.00
66 c	n-Nitrosodiphenylamine	0.639	0.576	9.9	72	0.00
67	4-Bromophenyl-phenylether	0.250	0.221	11.6	68	0.00
68	Hexachlorobenzene	0.307	0.276	10.1	68	0.00
69	Atrazine	0.210	0.192	8.6	74	0.00
70 C	Pentachlorophenol	0.146	0.121	17.1	65	0.00
71	Phenanthrene	0.994	0.897	9.8	70	0.00
72	Anthracene	1.026	0.918	10.5	70	0.00
73	Carbazole	0.874	0.770	11.9	68	0.00
74	Di-n-butylphthalate	1.071	0.963	10.1	69	0.00
75 C	Fluoranthene	1.098	0.958	12.8	68	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	79	0.00
77	Benzidine	0.622	0.753	-21.1	89	0.00
78	Pyrene	1.438	1.269	11.8	66	0.00
79 S	Terphenyl-d14	1.144	1.052	8.0	68	0.00
80	Butylbenzylphthalate	0.544	0.486	10.7	64	0.00
81	Benzo(a)anthracene	1.352	1.204	10.9	62	0.00
82	3,3'-Dichlorobenzidine	0.470	0.502	-6.8	77	0.00
83	Chrysene	1.268	1.153	9.1	69	0.00
84	Bis(2-ethylhexyl)phthalate	0.743	0.670	9.8	66	0.00
85 c	Di-n-octyl phthalate	1.277	1.122	12.1	63	0.00
86 I	Perylene-d12	1.000	1.000	0.0	80	0.00
87	Indeno(1,2,3-cd)pyrene	1.373	1.231	10.3	67	0.00
88	Benzo(b)fluoranthene	1.131	0.953	15.7	61	0.00
89	Benzo(k)fluoranthene	1.043	0.978	6.2	74	0.00
90 C	Benzo(a)pyrene	1.014	0.933	8.0	69	0.00
91	Dibenzo(a,h)anthracene	1.087	0.979	9.9	67	0.00
92	Benzo(g,h,i)perylene	1.093	1.009	7.7	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144065.D
Acq On : 24 Oct 2025 17:22
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF102425

Quant Time: Oct 24 17:42:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG102425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 24 16:40:26 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG064575.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3) Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4) n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5) S 2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6) Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7) S Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8) 2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9) Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10) C Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11) bis(2-Chloroet...		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
12) 1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13) C 1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14) 1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15) Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16) 2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17) 2-Methylphenol			0.548	0.670	0.646	0.745	0.677	0.793	0.638	11.71
18) Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19) P n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20) 3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23) S Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24) Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25) Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26) C 2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27) 2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.309	0.359	0.303	0.303	12.88
28) bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29) C 2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30) 1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31) Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32) Benzoic acid			0.100	0.143	0.204	0.215	0.245	0.229	0.189	29.61
33) 4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34) C Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35) Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36) C 4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37) 2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38) 1-Methylnaphth...		0.764	0.849	0.776	0.853	0.752	0.878	0.735	0.801	7.18

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG102425.M

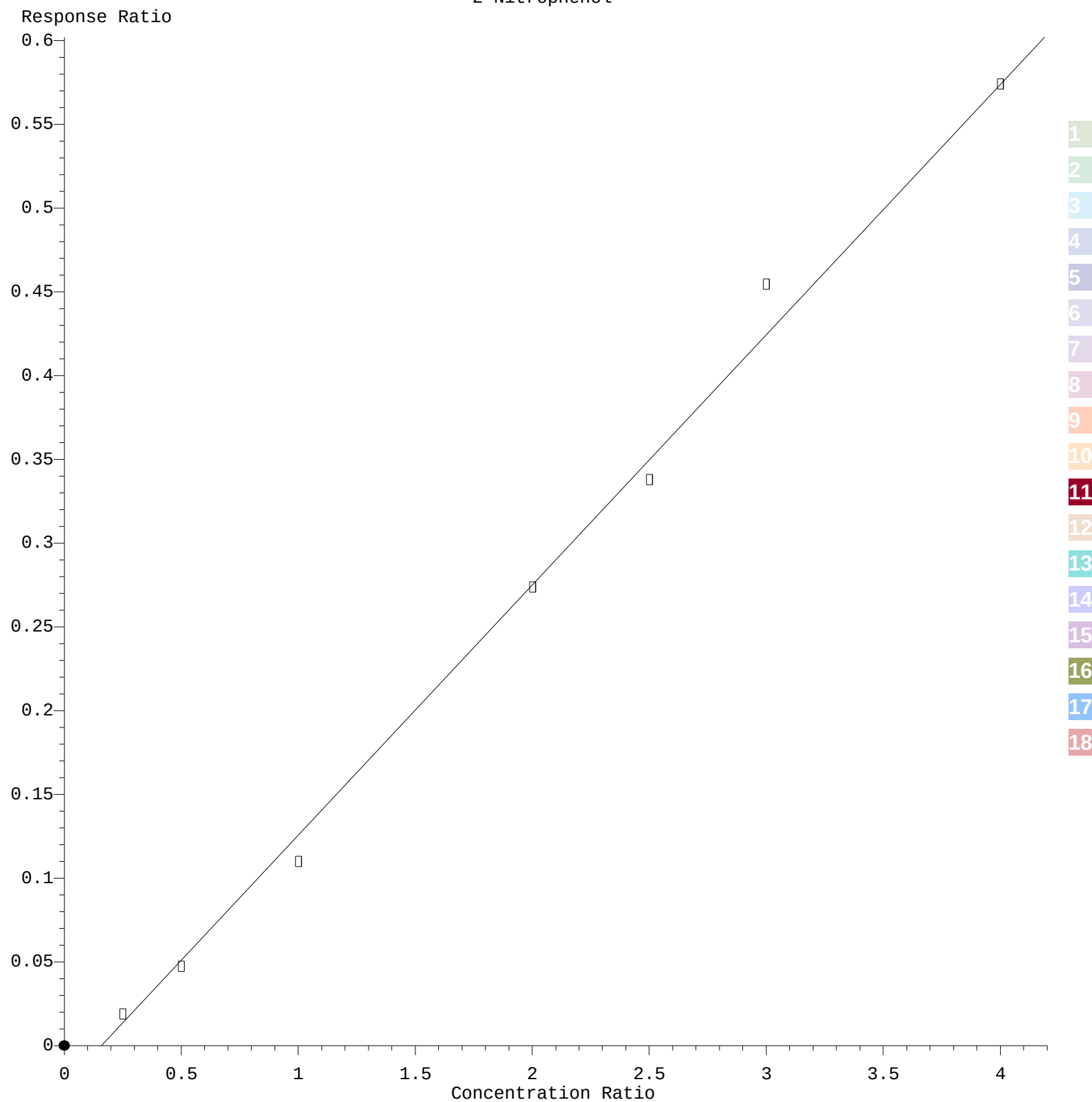
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55	
41) P	Hexachlorocycl...	0.268	0.279	0.324	0.297	0.340	0.305	0.302		8.97	
42) S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04	
43) C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41	
44)	2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48	
45) S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24	
46)	1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98	
47)	2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71	
48)	2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06	
49)	Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30	
50)	Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21	
51)	2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69	
52) C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63	
53)	3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70	
54) P	2,4-Dinitrophenol	0.086	0.110	0.137	0.139	0.165	0.154	0.132		22.11	
55)	Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96	
56) P	4-Nitrophenol	0.191	0.213	0.261	0.250	0.283	0.267	0.244		14.40	
57)	2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67	
58)	Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38	
59)	2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04	
60)	Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06	
61)	4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38	
62)	4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55	
63)	Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.055	0.064	0.083	0.083	0.097	0.093	0.079		21.00	
66) c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79	
67)	4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28	
68)	Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99	
69)	Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27	
70) C	Pentachlorophenol	0.132	0.152	0.180	0.172	0.199	0.177	0.169		13.91	
71)	Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17	
72)	Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17	
73)	Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90	
74)	Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11	
75) C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.392	0.475	0.490	0.416	0.533	0.383	0.448		13.40	
78)	Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24	
79) S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21	
80)	Butylbenzylphth...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43	
81)	Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71	
82)	3,3'-Dichlorob...	0.418	0.428	0.477	0.424	0.486	0.424	0.443		6.88	
83)	Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76	
84)	Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95	
85) c	Di-n-octyl pht...	0.871	0.932	1.087	0.976	1.117	0.986	0.995		9.32	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)	Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)	Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90) C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)	Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)	Benzo(g,h,i)pe...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80

(#) = Out of Range

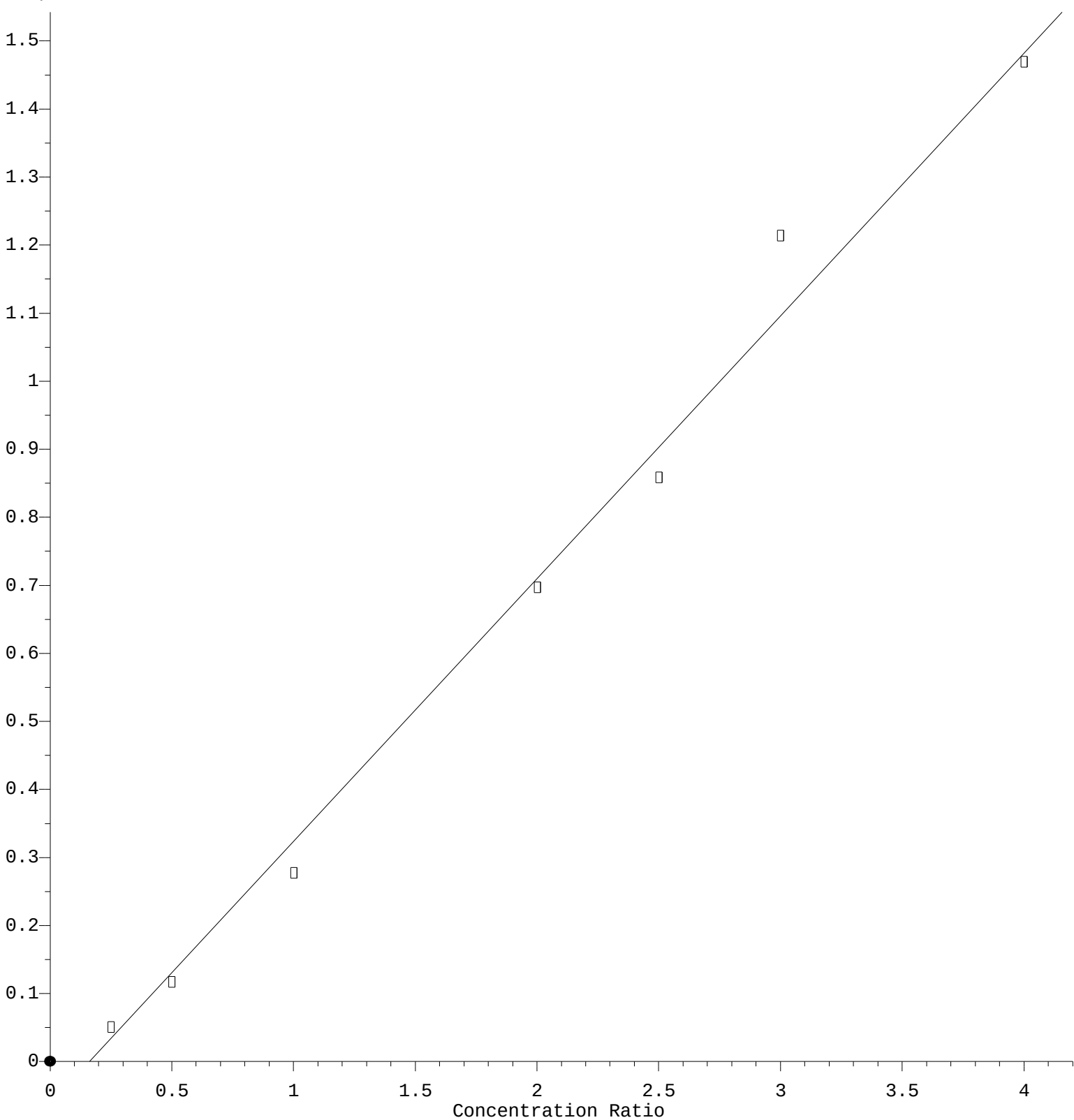
2-Nitrophenol



Response = 1.495e-001 * Amt - 2.340e-002
 Coef of Det (r^2) = 0.995585 Curve Fit: wlr(1/a)
 Method Name: Z:\msd\src\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Q3419-SVOC-TCL-BNA-20
 Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

2-Nitroaniline

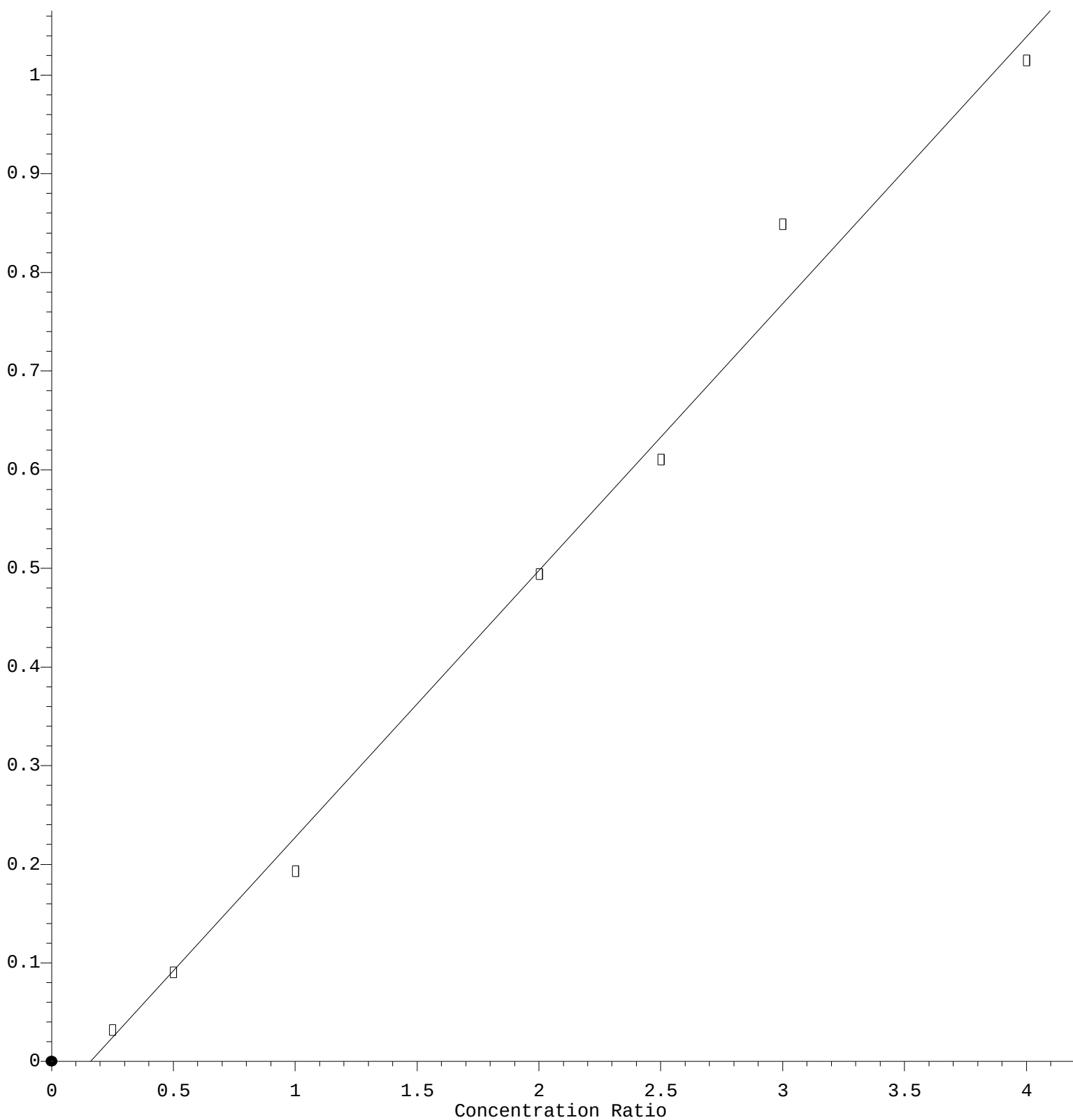
Response Ratio



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

2,6-Dinitrotoluene

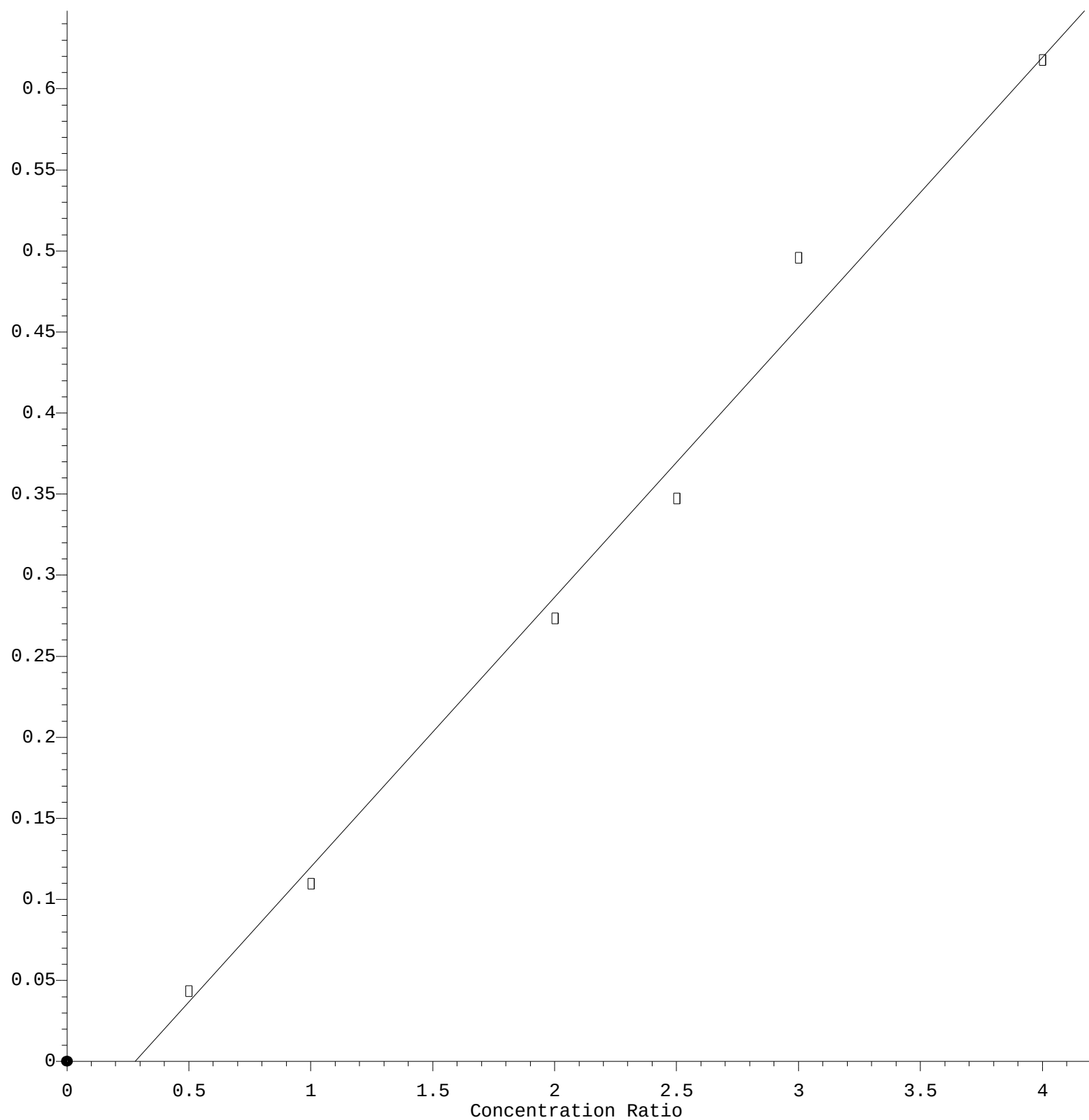
Response Ratio



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

2,4-Dinitrophenol

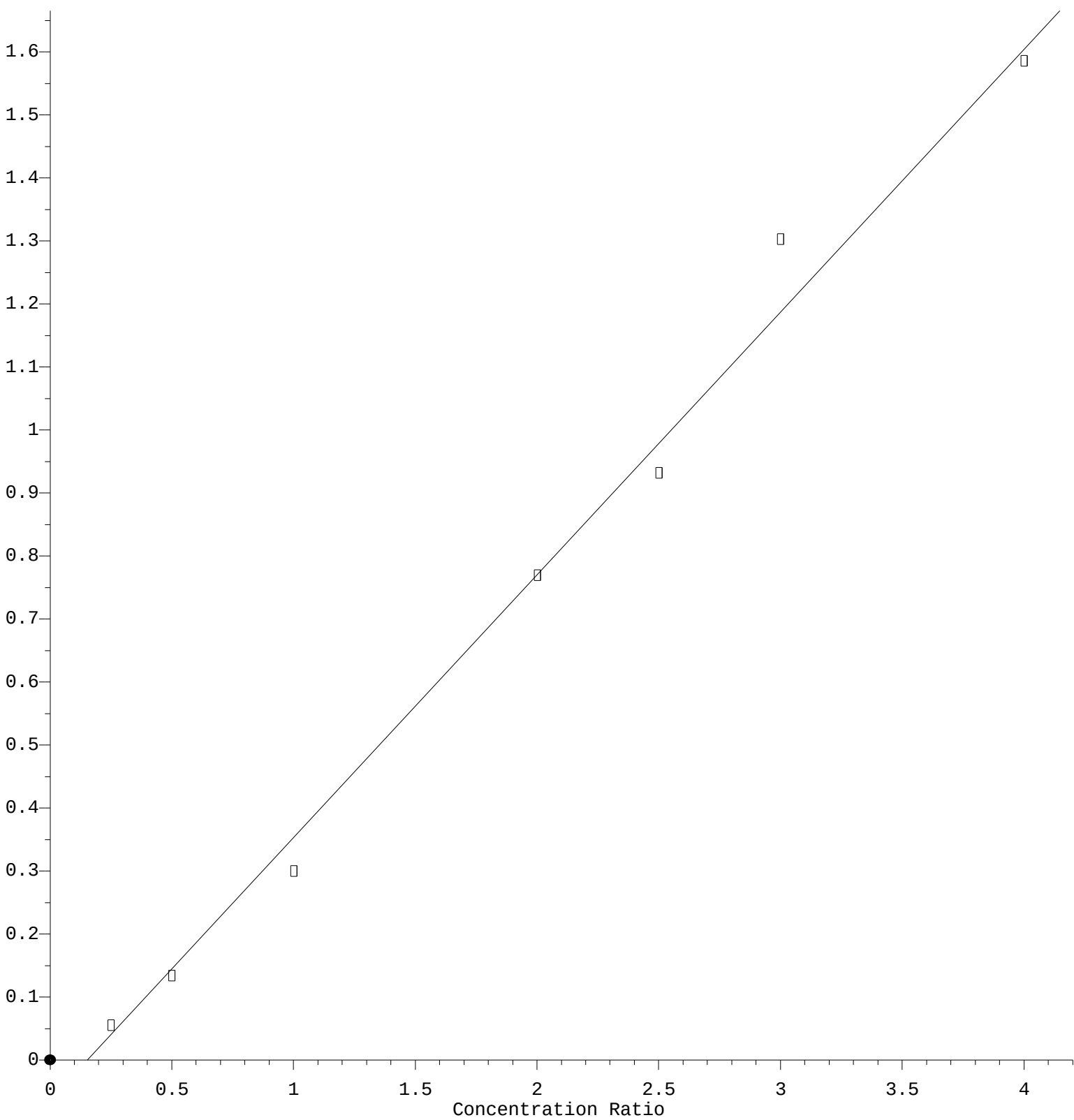
Response Ratio



Response = 1.666e-001 * Amt - 4.640e-002
 Coef of Det (r^2) = 0.992196 Curve Fit: wlr(1/a)
 Method Name: Z:\msasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Q3419-SVOC-TCL-BNA-20
 Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

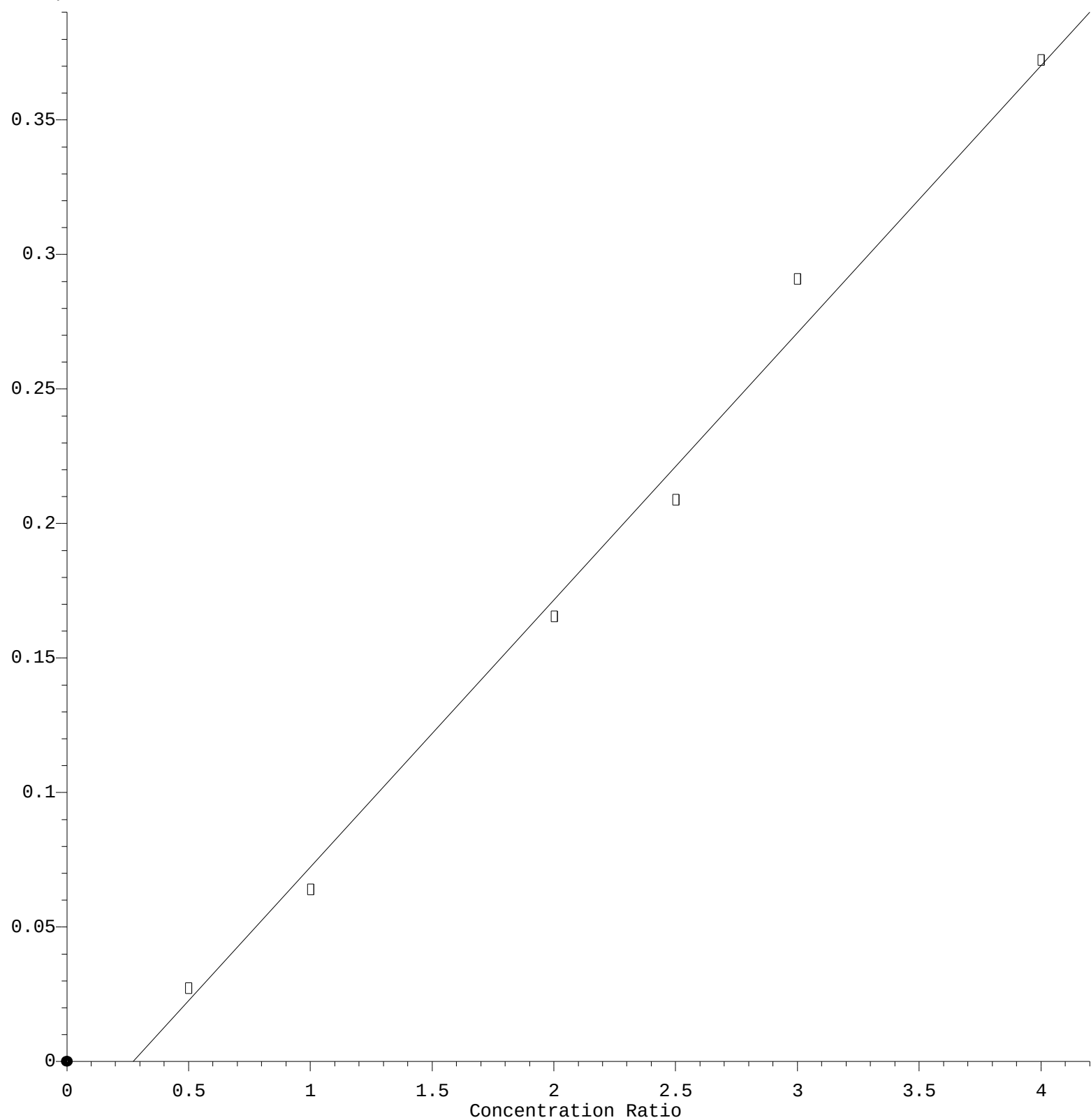
2,4-Dinitrotoluene

Response Ratio



4,6-Dinitro-2-methylphenol

Response Ratio



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 24 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

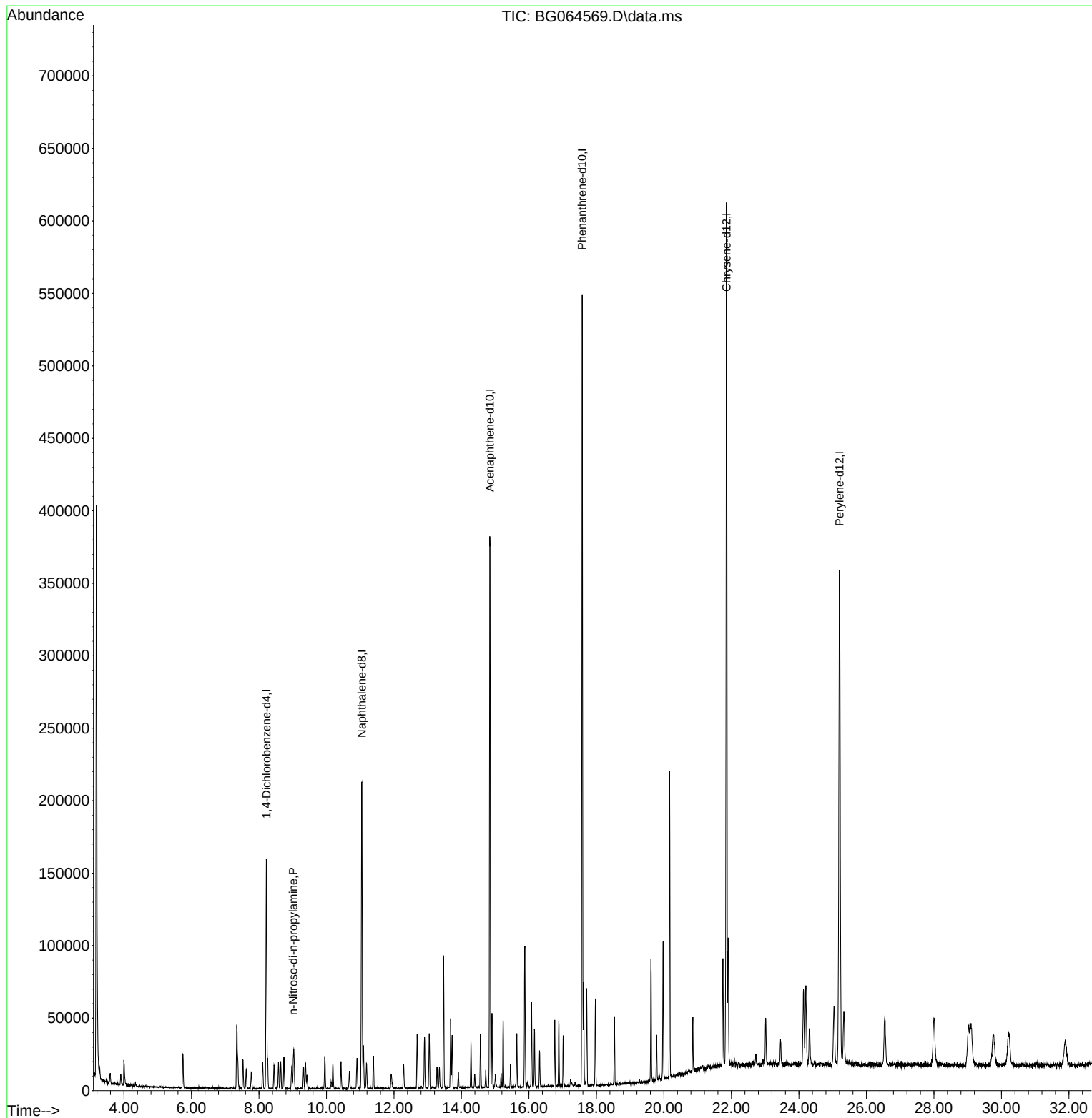
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	43718	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	174680	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	136814	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	341404	20.000	ng	0.00
76) Chrysene-d12	21.854	240	378586	20.000	ng	0.00
86) Perylene-d12	25.203	264	398350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.016	70	5707	2.310	ng	Qvalue # 90

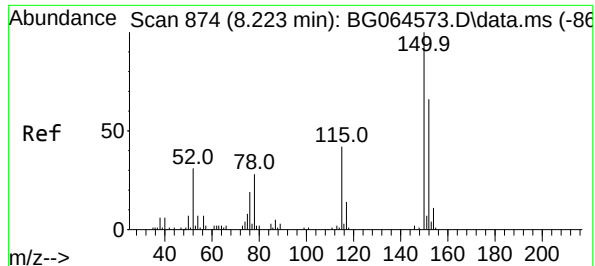
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

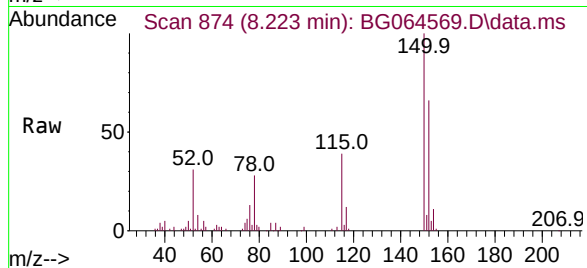
Quant Time: Oct 24 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



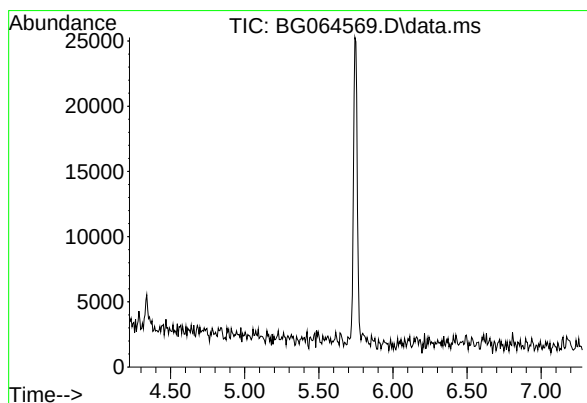
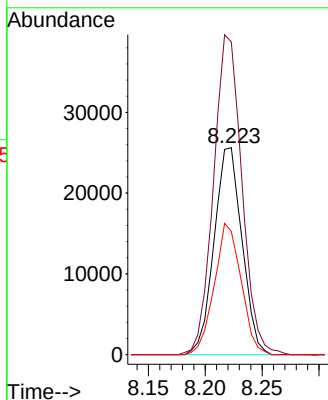
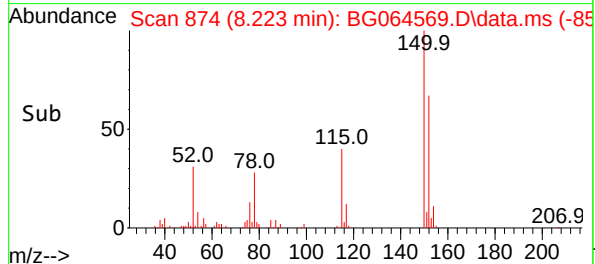


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5



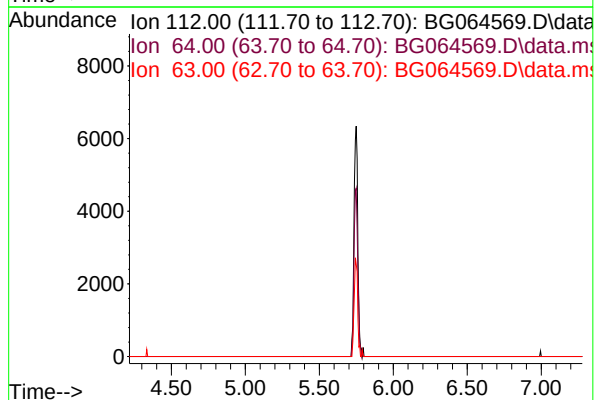
Tgt Ion:152 Resp: 43718
Ion Ratio Lower Upper
152 100
150 151.2 122.2 183.4
115 59.5 50.8 76.2



#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.75 min

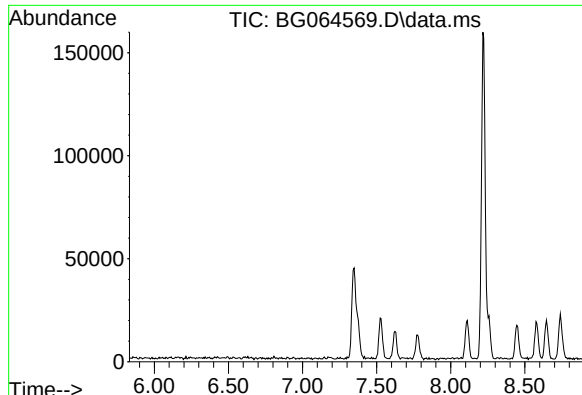
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 112
Sig Exp Ratio
112 100
64 75.9
63 41.7



Ion 64.00 (63.70 to 64.70): BG064569.D\data.ms

Ion 63.00 (62.70 to 63.70): BG064569.D\data.ms

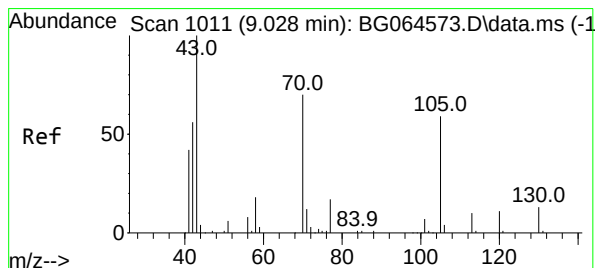
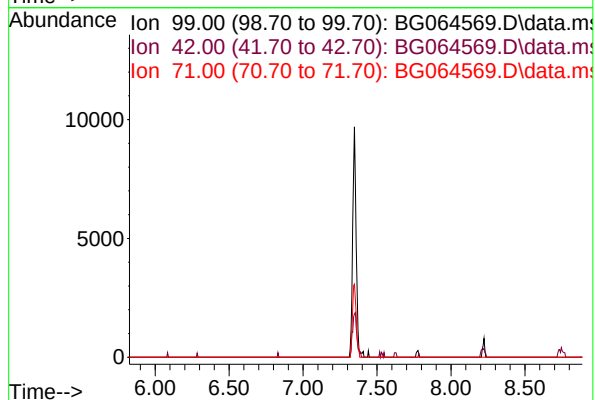


#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

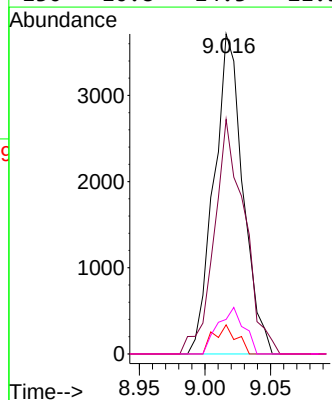
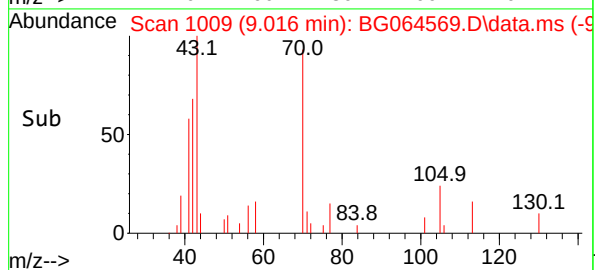
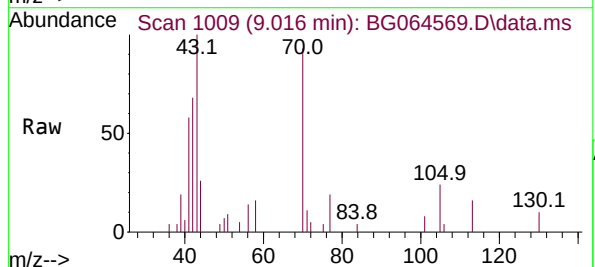
Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

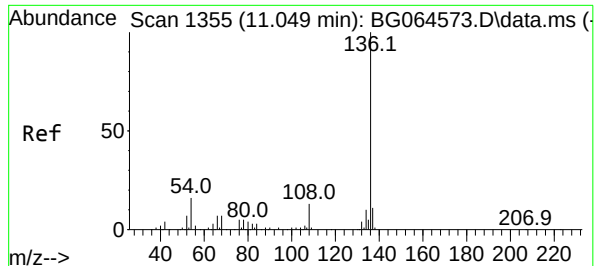
Tgt Ion: 99
Sig Exp Ratio
99 100
42 22.9
71 35.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.310 ng
RT: 9.016 min Scan# 1009
Delta R.T. -0.015 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 70 Resp: 5707
Ion Ratio Lower Upper
70 100
42 73.3 65.2 97.8
101 9.1 7.9 11.9
130 10.8 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.049 min Scan# 1355

Delta R.T. -0.004 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5

Tgt Ion:136 Resp: 174680

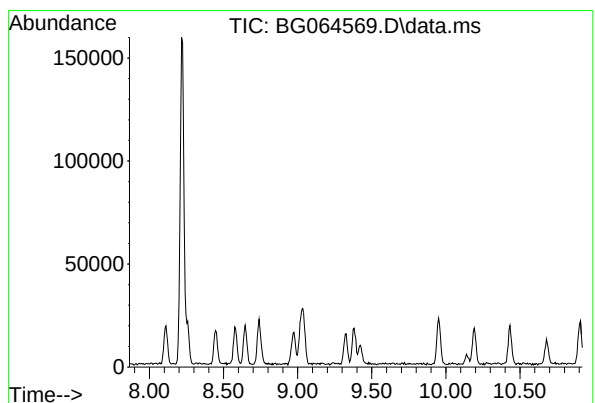
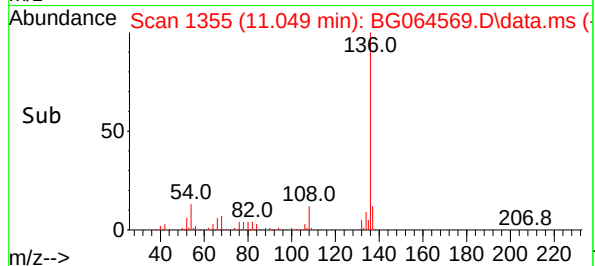
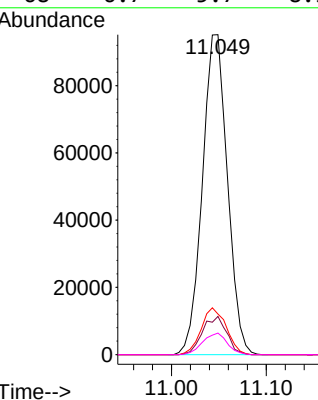
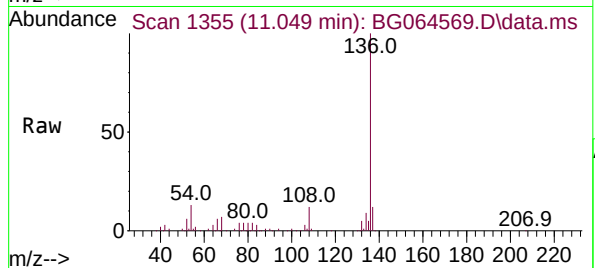
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 12.7 12.6 19.0

68 6.7 5.7 8.5



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 9.39 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

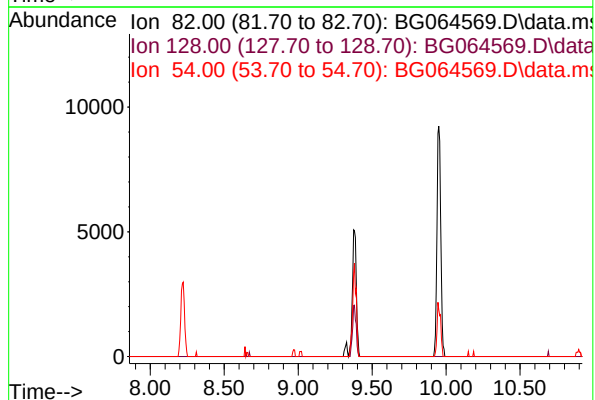
Tgt Ion: 82

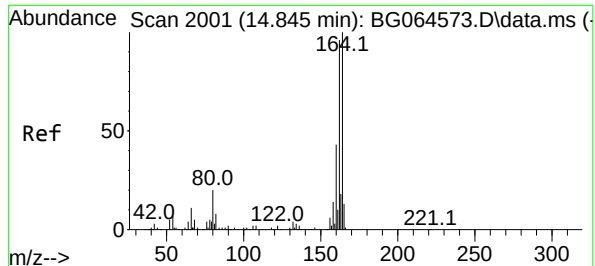
Sig Exp Ratio

82 100

128 39.1

54 70.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 20

Delta R.T. -0.004 min

Lab File: BG064569.D

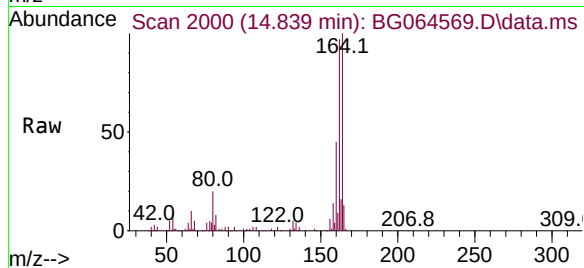
Acq: 24 Oct 2025 9:00

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5



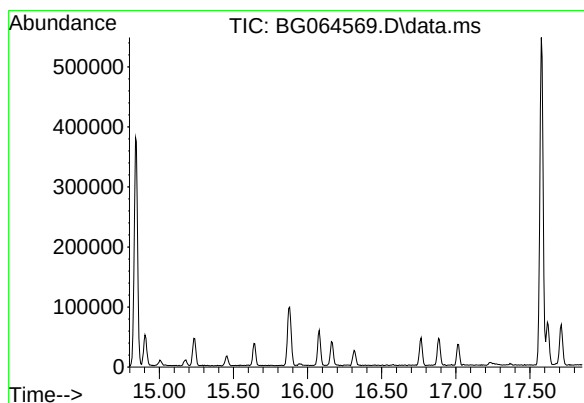
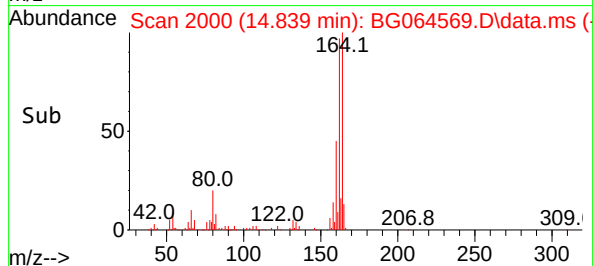
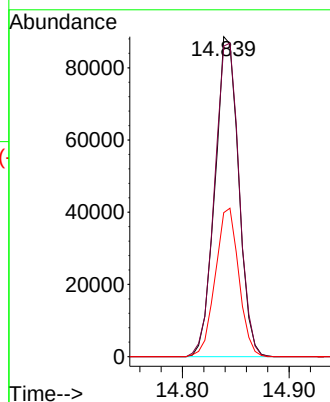
Tgt Ion:164 Resp: 136814

Ion Ratio Lower Upper

164 100

162 97.0 77.0 115.6

160 45.0 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.32 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

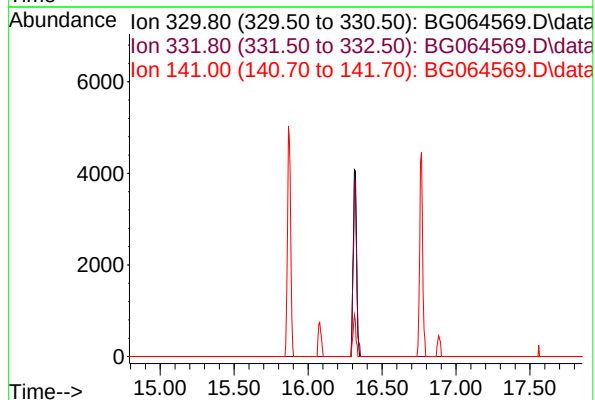
Tgt Ion: 330

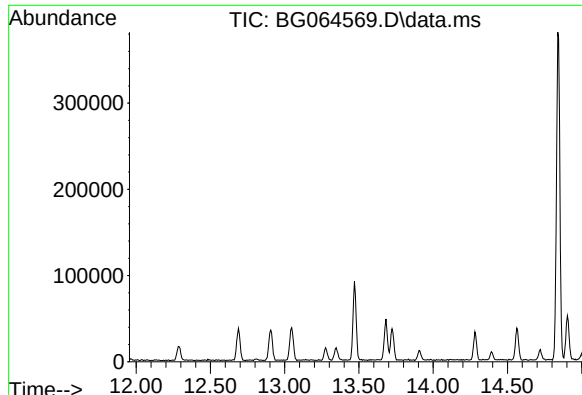
Sig Exp Ratio

330 100

332 97.5

141 27.2





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 13.48 min

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5

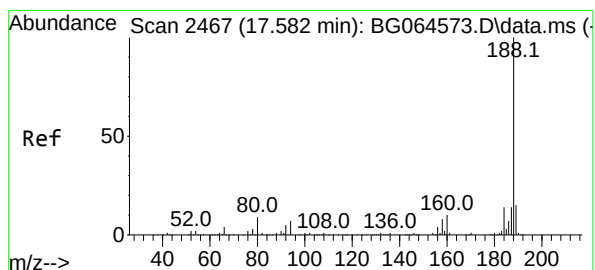
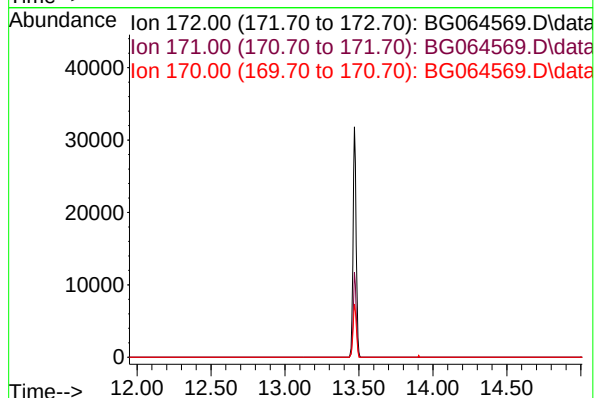
Tgt Ion: 172

Sig Exp Ratio

172 100

171 36.7

170 23.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.577 min Scan# 2466

Delta R.T. -0.003 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

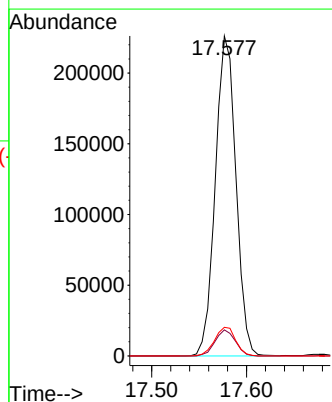
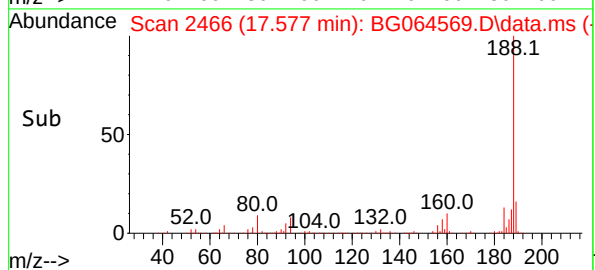
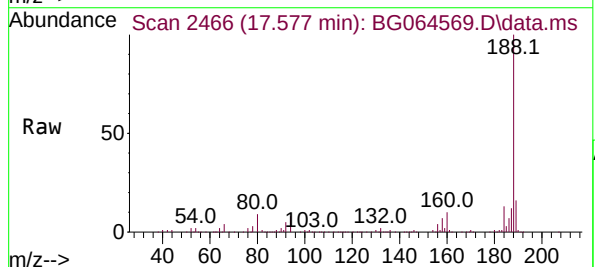
Tgt Ion: 188 Resp: 341404

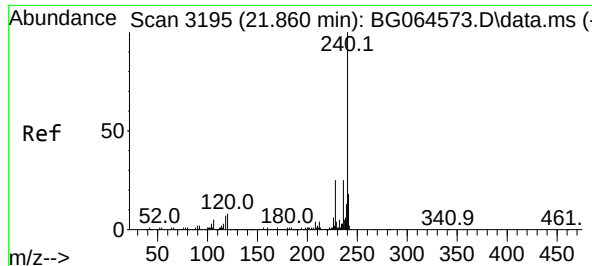
Ion Ratio Lower Upper

188 100

94 8.1 5.7 8.5

80 8.9 6.8 10.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.854 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5

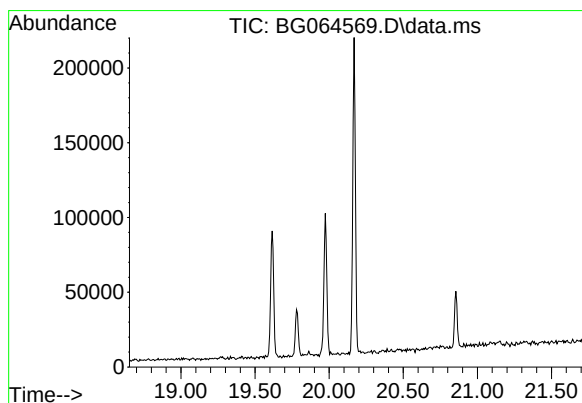
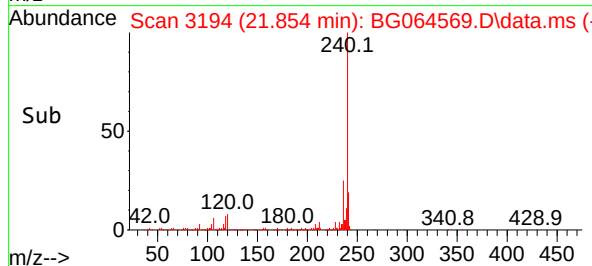
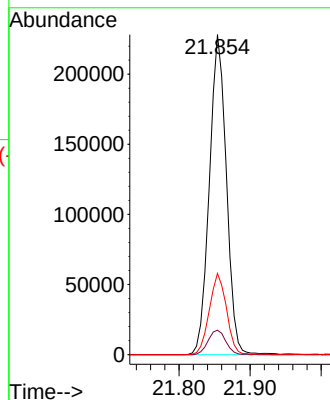
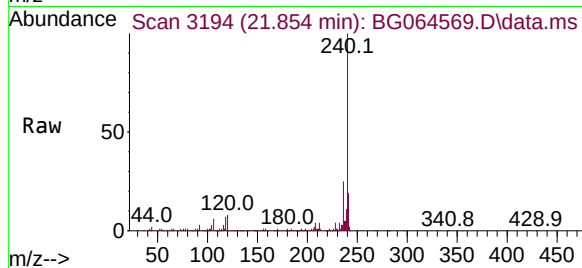
Tgt Ion:240 Resp: 378586

Ion Ratio Lower Upper

240 100

120 7.6 6.5 9.7

236 25.4 20.2 30.2



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 20.18 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

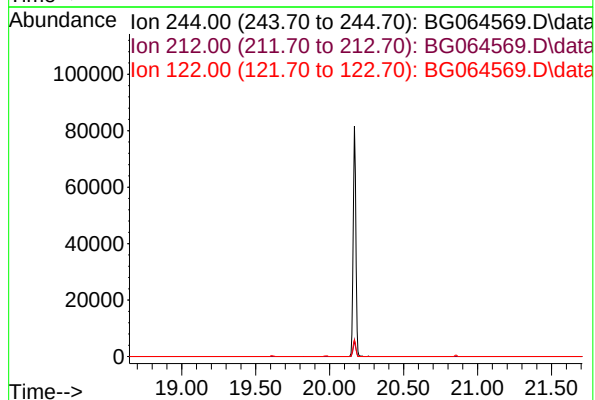
Tgt Ion: 244

Sig Exp Ratio

244 100

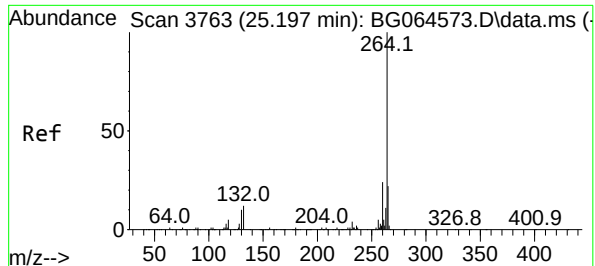
212 7.6

122 7.0



Ion 212.00 (211.70 to 212.70): BG064569.D\data.ms

Ion 122.00 (121.70 to 122.70): BG064569.D\data.ms



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.203 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG064569.D

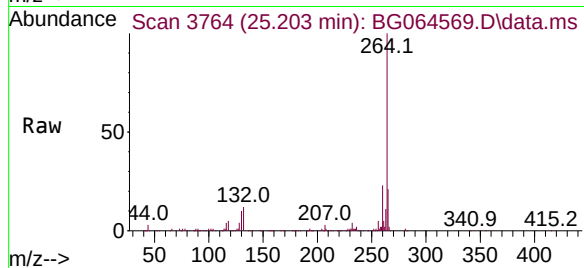
Acq: 24 Oct 2025 9:00

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5



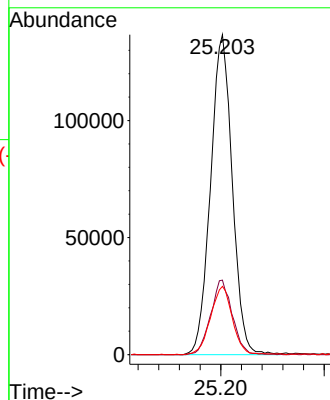
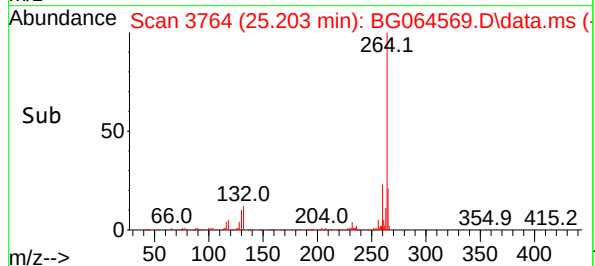
Tgt Ion:264 Resp: 398350

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 21.3 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064570.D
 Acq On : 24 Oct 2025 9:41
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Rahul
 Chavli

10/27/2025

Supervised By :Jagrut
 Upadhyay

10/27/2025

Quant Time: Oct 24 17:10:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	40837	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	168287	20.000	ng	# 0.00
39) Acenaphthene-d10	14.840	164	131387	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	331372	20.000	ng	0.00
76) Chrysene-d12	21.856	240	381389	20.000	ng	0.00
86) Perylene-d12	25.199	264	401350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.745	112	22421	9.216	ng	0.00
7) Phenol-d6	7.349	99	30003	8.987	ng	0.00
23) Nitrobenzene-d5	9.382	82	20097	7.173	ng	0.00
42) 2,4,6-Tribromophenol	16.315	330	14514	7.654	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	86089	9.932	ng	0.00
79) Terphenyl-d14	20.169	244	204719	10.130	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.589	88	5823	5.406	ng	95
3) Pyridine	4.000	79	16637	5.143	ng	89
6) Aniline	7.525	93	22494	4.952	ng	98
8) 2-Chlorophenol	7.778	128	10732	4.214	ng	96
10) Phenol	7.373	94	16995	4.603	ng	96
11) bis(2-Chloroethyl)ether	7.525	93	22494	4.952	ng	96
12) 1,3-Dichlorobenzene	8.113	146	14650	4.998	ng	93
13) 1,4-Dichlorobenzene	8.260	146	14611m	4.903	ng	
14) 1,2-Dichlorobenzene	8.583	146	13994	4.868	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.736	45	34925	4.905	ng	97
17) 2-Methylphenol	8.442	107	5591	4.063	ng	92
18) Hexachloroethane	9.329	117	4773	4.564	ng	97
19) n-Nitroso-di-n-propyla...	9.024	70	10596	4.592	ng	92
22) Acetophenone	9.035	105	22505	4.892	ng	# 92
24) Nitrobenzene	9.423	77	11526	3.782	ng	# 95
25) Isophorone	9.946	82	31609	4.701	ng	# 93
26) 2-Nitrophenol	10.140	139	3186	5.664	ng	99
27) 2,4-Dimethylphenol	10.193	122	9925	3.891	ng	92
28) bis(2-Chloroethoxy)met...	10.434	93	18999	4.963	ng	95
29) 2,4-Dichlorophenol	10.680	162	10223	3.798	ng	89
30) 1,2,4-Trichlorobenzene	10.904	180	14238	4.656	ng	97
31) Naphthalene	11.098	128	45559	4.883	ng	98
33) 4-Chloroaniline	11.186	127	16429	4.530	ng	93
34) Hexachlorobutadiene	11.391	225	11212	4.688	ng	95
36) 4-Chloro-3-methylphenol	12.290	107	13604	4.205	ng	94
37) 2-Methylnaphthalene	12.690	142	32129	4.690	ng	97
38) 1-Methylnaphthalene	12.901	142	33515m	4.972	ng	
40) 1,2,4,5-Tetrachloroben...	13.048	216	21576	4.893	ng	99
43) 2,4,6-Trichlorophenol	13.277	196	9650	3.826	ng	93
44) 2,4,5-Trichlorophenol	13.342	196	11151	3.831	ng	# 91
46) 1,1'-Biphenyl	13.683	154	47840	5.122	ng	95
47) 2-Chloronaphthalene	13.724	162	34977	4.961	ng	96
48) 2-Nitroaniline	13.906	65	6601	5.826	ng	87
49) Acenaphthylene	14.564	152	54748	4.923	ng	98
50) Dimethylphthalate	14.282	163	45639	4.540	ng	98
51) 2,6-Dinitrotoluene	14.394	165	4161	5.535	ng	# 91

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064570.D
 Acq On : 24 Oct 2025 9:41
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

10/27/2025
 Supervised By :Jagrut
 Upadhyay

Quant Time: Oct 24 17:10:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
52) Acenaphthene	14.905	154	36982	4.867	ng	96	
53) 3-Nitroaniline	14.717	138	5903	3.417	ng	#	96
55) Dibenzofuran	15.234	168	61779	5.029	ng		97
57) 2,4-Dinitrotoluene	15.175	165	7312	5.721	ng	#	80
58) Fluorene	15.880	166	48305	5.035	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.451	232	10241	3.679	ng	#	95
60) Diethylphthalate	15.639	149	46534	4.533	ng		98
61) 4-Chlorophenyl-phenyle...	15.874	204	26270	4.880	ng		97
62) 4-Nitroaniline	15.869	138	6383	3.321	ng		90
63) Azobenzene	16.162	77	44729	4.749	ng		98
66) n-Nitrosodiphenylamine	16.080	169	42291	4.725	ng		98
67) 4-Bromophenyl-phenylether	16.762	248	18064	4.600	ng		95
68) Hexachlorobenzene	16.885	284	21076	4.705	ng		95
69) Atrazine	17.014	200	17783	4.616	ng		94
71) Phenanthrene	17.619	178	89771	4.954	ng		99
72) Anthracene	17.713	178	90063	4.886	ng		99
73) Carbazole	17.966	167	81350	5.005	ng		98
74) Di-n-butylphthalate	18.530	149	83713	4.454	ng		99
75) Fluoranthene	19.617	202	114724	5.054	ng		98
78) Pyrene	19.975	202	122676	4.923	ng		98
80) Butylbenzylphthalate	20.857	149	27072	3.595	ng		94
81) Benzo(a)anthracene	21.832	228	123345	4.878	ng		98
83) Chrysene	21.903	228	119080	4.949	ng		97
84) Bis(2-ethylhexyl)phtha...	21.750	149	46117	4.098	ng		98
87) Indeno(1,2,3-cd)pyrene	29.030	276	138758	4.700	ng	#	88
88) Benzo(b)fluoranthene	24.129	252	114203	4.640	ng		98
89) Benzo(k)fluoranthene	24.200	252	117893	4.787	ng		99
90) Benzo(a)pyrene	25.040	252	106414	4.704	ng		99
91) Dibenzo(a,h)anthracene	29.100	278	112398	4.686	ng		96
92) Benzo(g,h,i)perylene	29.030	276	138758	4.700	ng		96

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

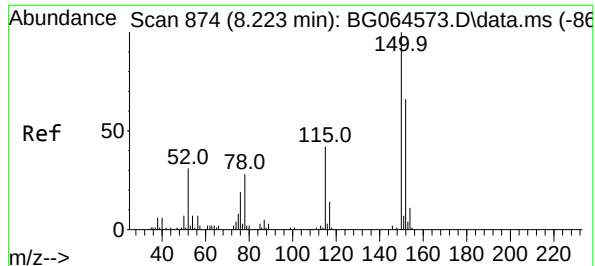
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations

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Supervised By :Jagrut
Upadhyay

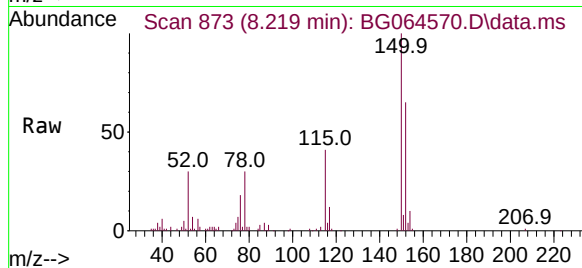
10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



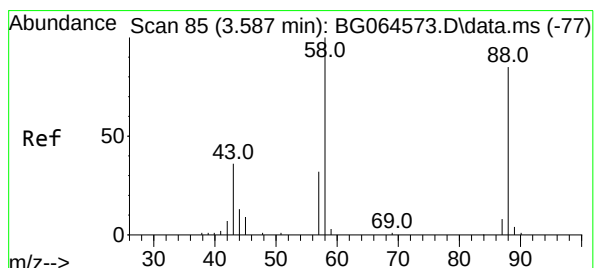
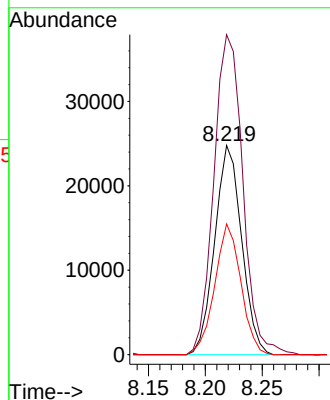
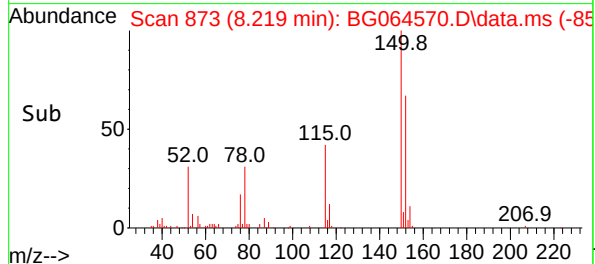
Tgt Ion:152 Resp: 4083
Ion Ratio Lower Upper
152 100
150 153.0 122.2 183.4
115 62.5 50.8 76.2

Manual Integrations
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Reviewed By :Rahul
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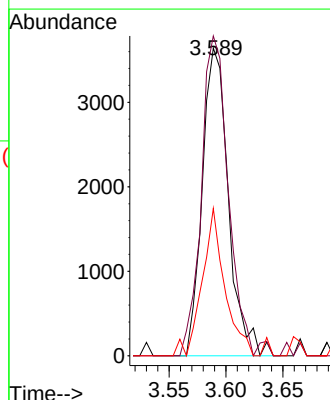
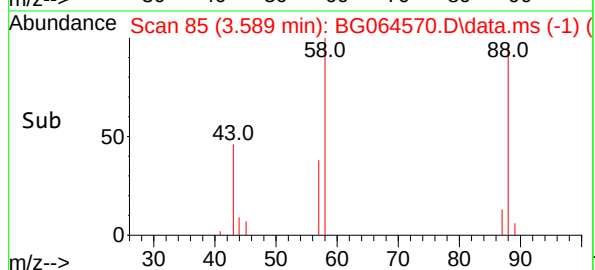
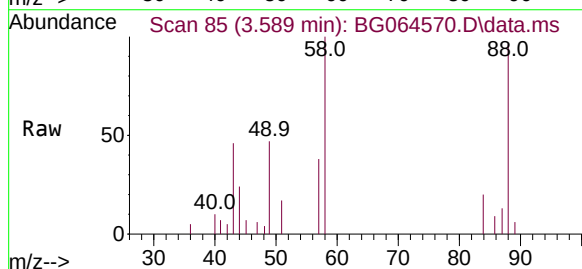
10/27/2025
Supervised By :Jagrut
Upadhyay

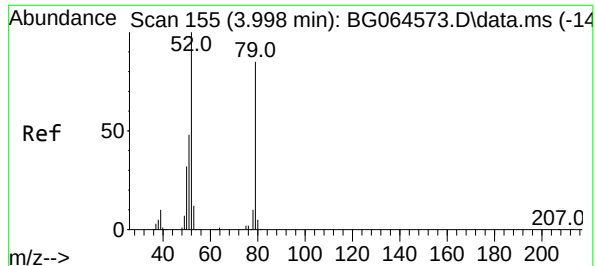
10/27/2025



#2
1,4-Dioxane
Concen: 5.406 ng
RT: 3.589 min Scan# 85
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

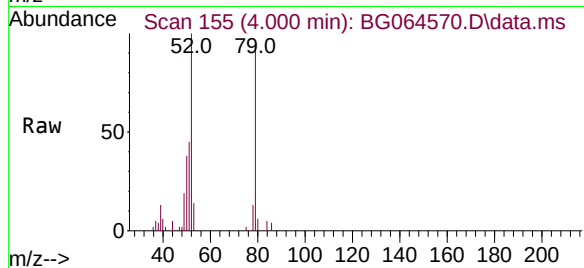
Tgt Ion: 88 Resp: 5823
Ion Ratio Lower Upper
88 100
58 108.0 92.4 138.6
43 41.6 33.0 49.6





#3
Pyridine
Concen: 5.143 ng
RT: 4.000 min Scan# 11
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



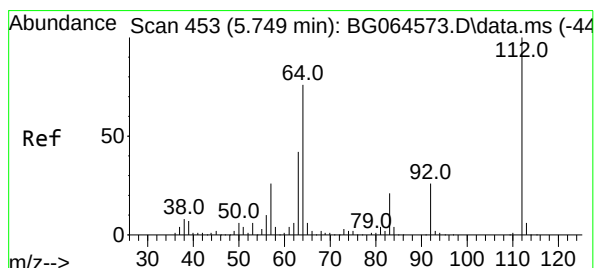
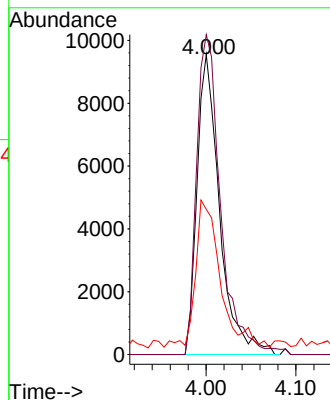
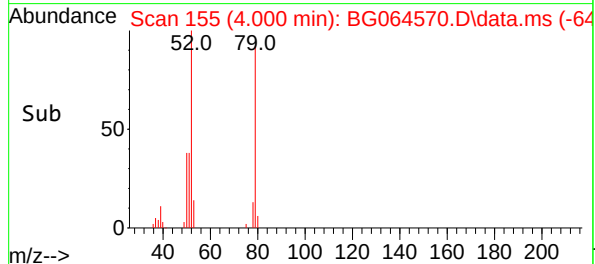
Tgt Ion: 79 Resp: 1663
Ion Ratio Lower Upper
79 100
52 106.6 94.2 141.2
51 48.4 46.1 69.1

Manual Integrations
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Reviewed By :Rahul
Chavli

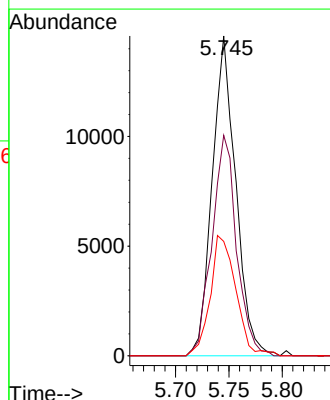
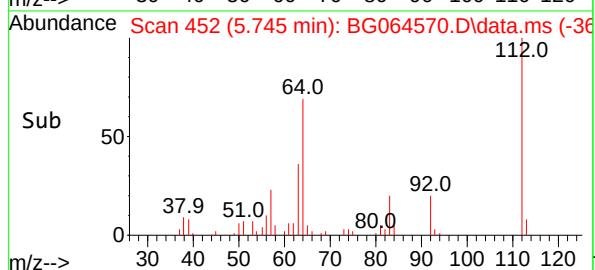
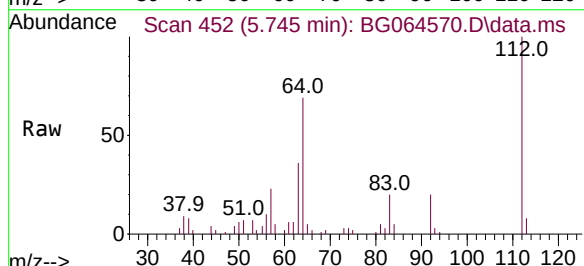
10/27/2025
Supervised By :Jagrut
Upadhyay

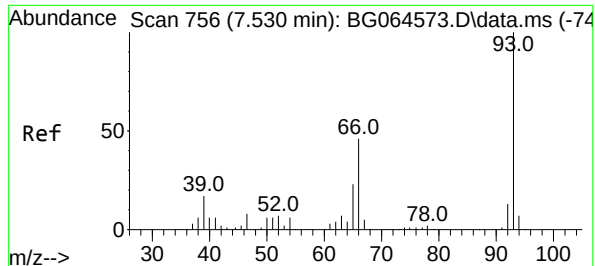
10/27/2025



#5
2-Fluorophenol
Concen: 9.216 ng
RT: 5.745 min Scan# 452
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

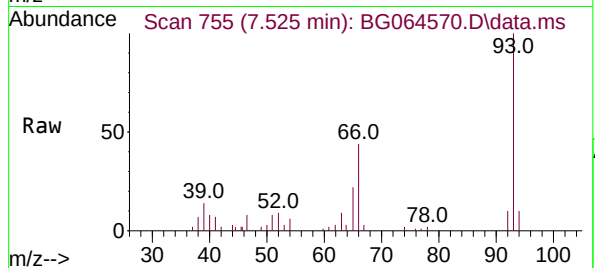
Tgt Ion:112 Resp: 22421
Ion Ratio Lower Upper
112 100
64 68.9 60.7 91.1
63 35.8 33.4 50.0





#6
Aniline
Concen: 4.952 ng
RT: 7.525 min Scan# 71
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDIC005



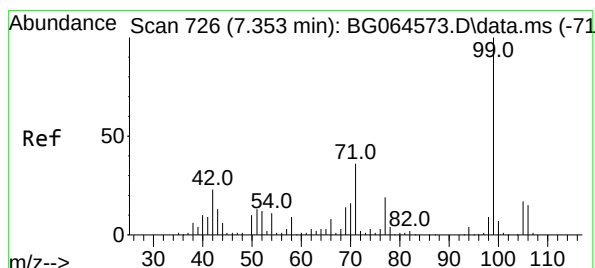
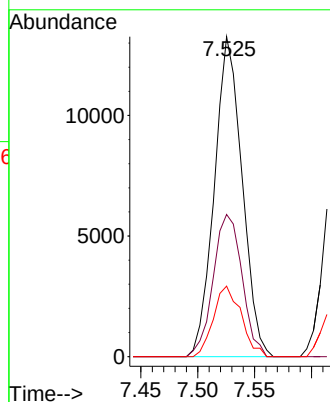
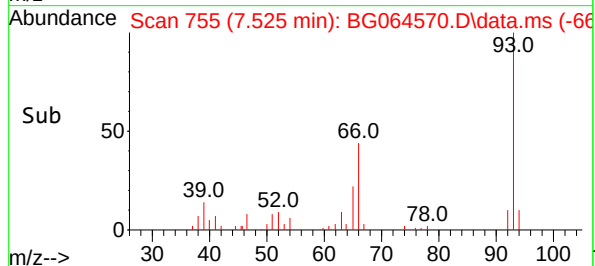
Tgt Ion: 93 Resp: 22494
Ion Ratio Lower Upper
93 100
66 44.4 37.0 55.6
65 22.0 18.3 27.5

Manual Integrations
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Reviewed By :Rahul
Chavli

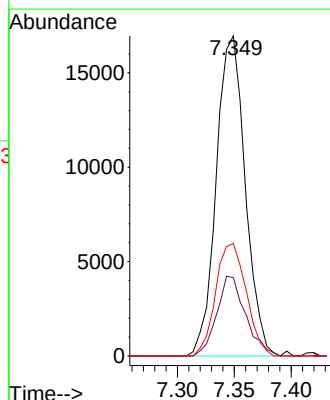
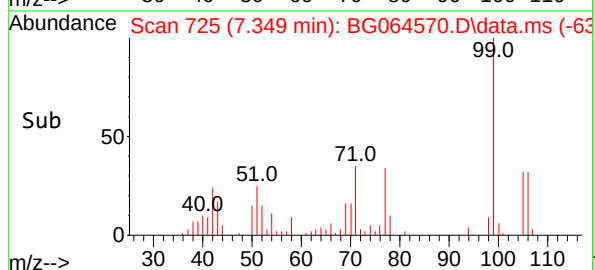
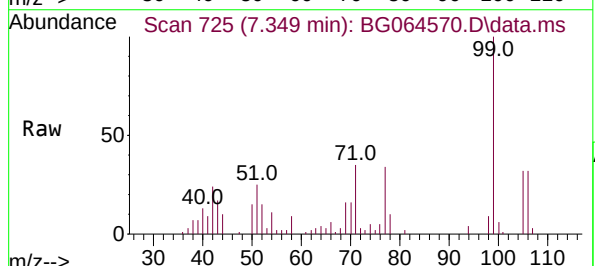
10/27/2025
Supervised By :Jagrut
Upadhyay

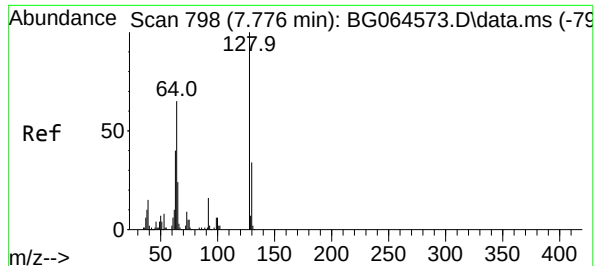
10/27/2025



#7
Phenol-d6
Concen: 8.987 ng
RT: 7.349 min Scan# 725
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

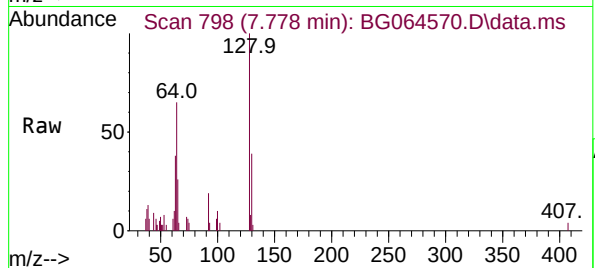
Tgt Ion: 99 Resp: 30003
Ion Ratio Lower Upper
99 100
42 24.5 18.3 27.5
71 35.1 28.6 43.0





#8
2-Chlorophenol
Concen: 4.214 ng
RT: 7.778 min Scan# 798
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



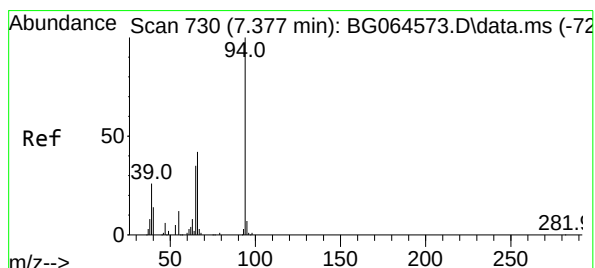
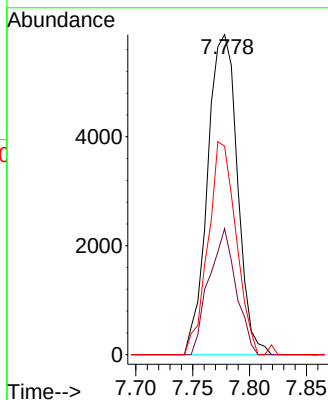
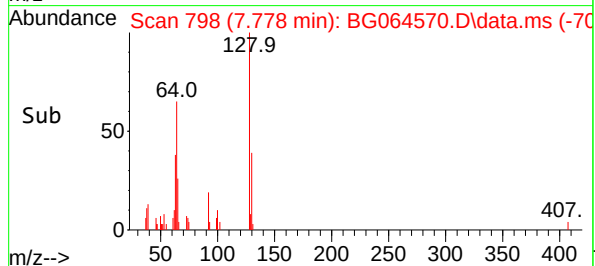
Tgt Ion: 128 Resp: 10732
Ion Ratio Lower Upper
128 100
130 39.4 13.5 53.5
64 65.2 45.2 85.2

Manual Integrations
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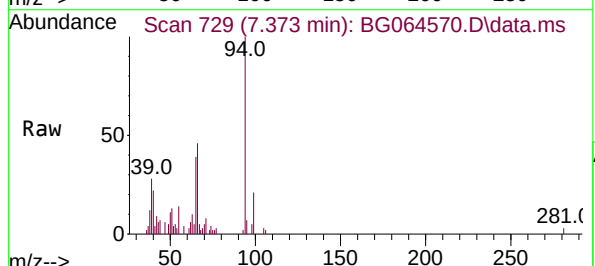
Reviewed By :Rahul
Chavli

10/27/2025
Supervised By :Jagrut
Upadhyay

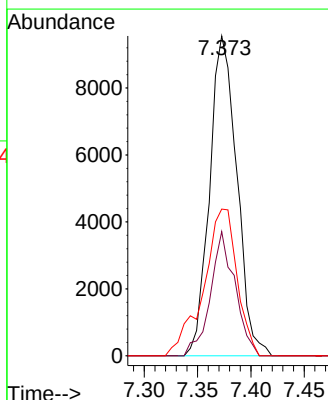
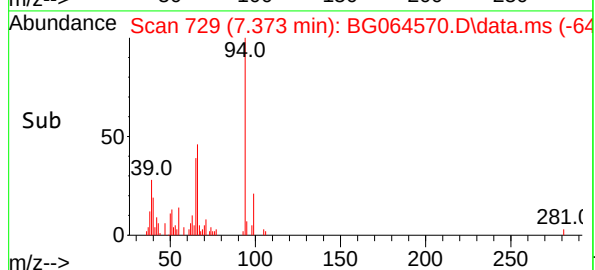
10/27/2025

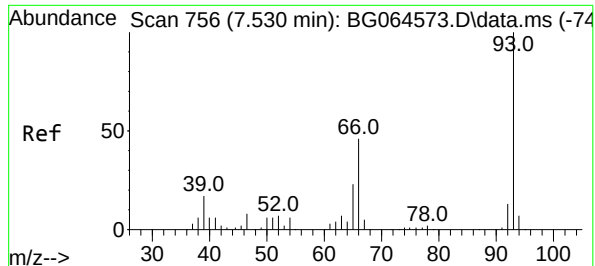


#10
Phenol
Concen: 4.603 ng
RT: 7.373 min Scan# 729
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



Tgt Ion: 94 Resp: 16995
Ion Ratio Lower Upper
94 100
65 38.8 15.8 55.8
66 45.9 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 4.952 ng
RT: 7.525 min Scan# 756
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

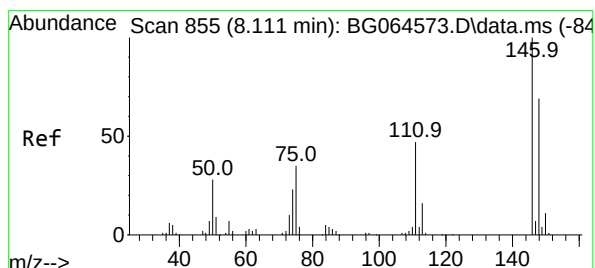
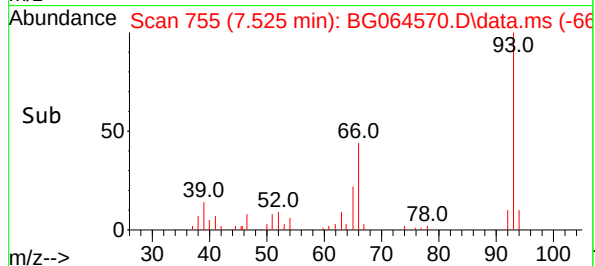
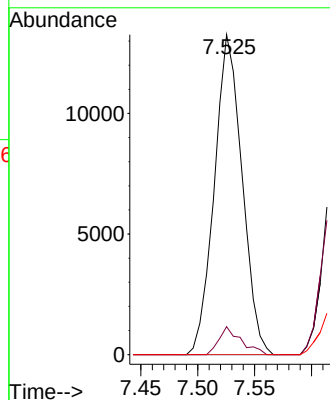
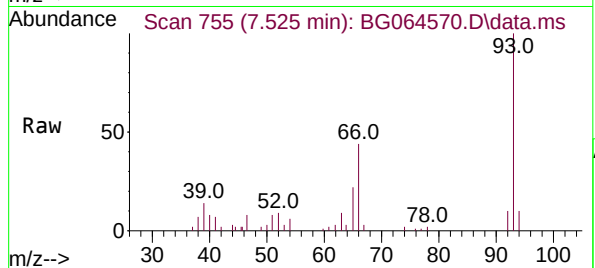
Tgt Ion: 93 Resp: 22494
Ion Ratio Lower Upper
93 100
63 8.7 0.0 27.4
95 0.0 0.0 20.2

Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

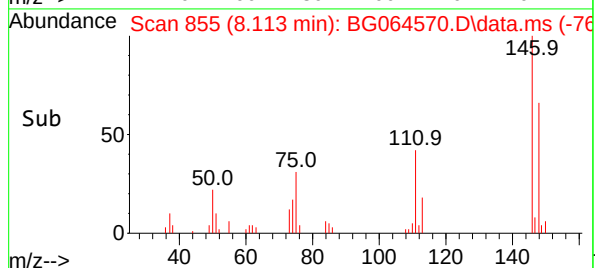
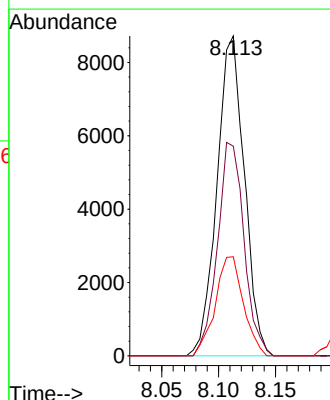
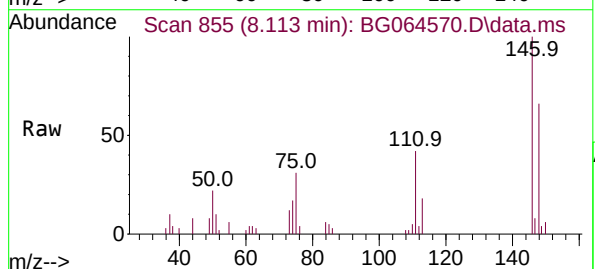
10/27/2025
Supervised By :Jagrut
Upadhyay

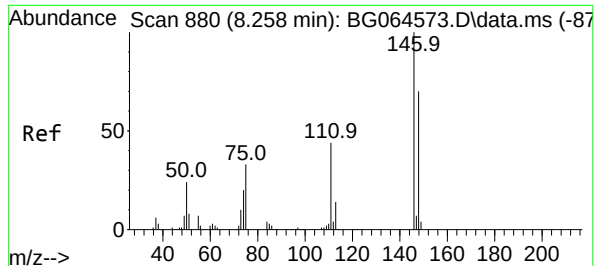
10/27/2025



#12
1,3-Dichlorobenzene
Concen: 4.998 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 14650
Ion Ratio Lower Upper
146 100
148 64.6 55.3 82.9
75 28.7 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 4.903 ng m

RT: 8.260 min Scan# 880

Delta R.T. 0.004 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion:	146	Resp:	1461
Ion Ratio	Lower	Upper	
146	100		
148	54.9	56.2	84.4
111	38.6	35.4	53.0

Instrument :

BNA_G

ClientSampleId :

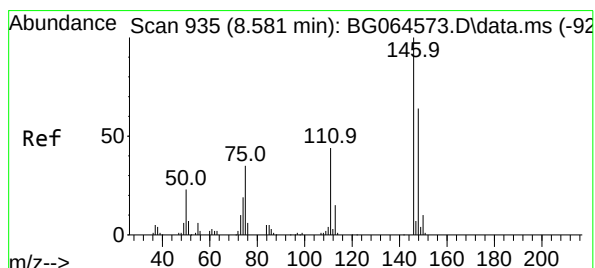
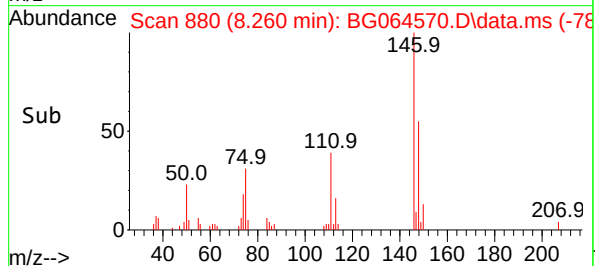
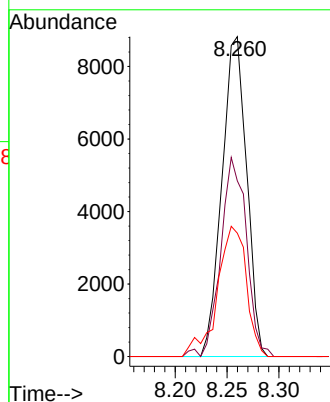
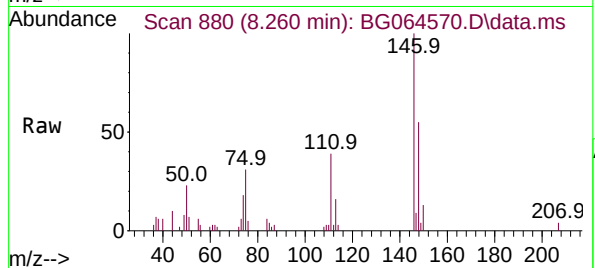
SSTDIC005

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Supervised By :Jagrut
Upadhyay

10/27/2025



#14

1,2-Dichlorobenzene

Concen: 4.868 ng

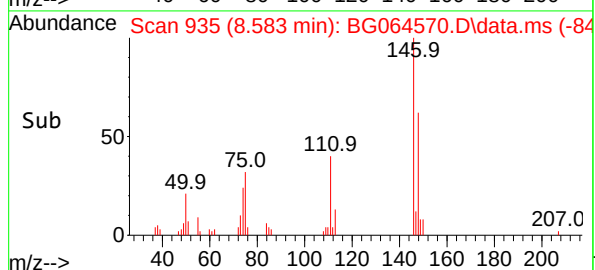
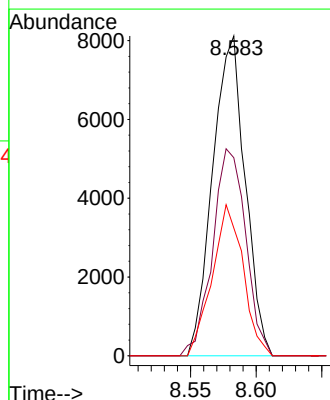
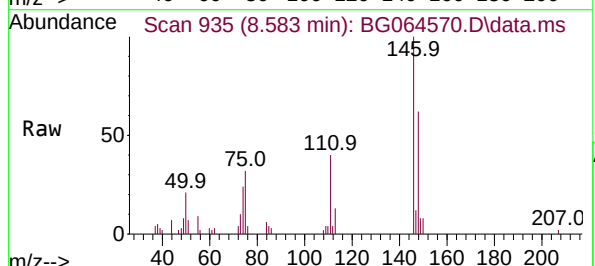
RT: 8.583 min Scan# 935

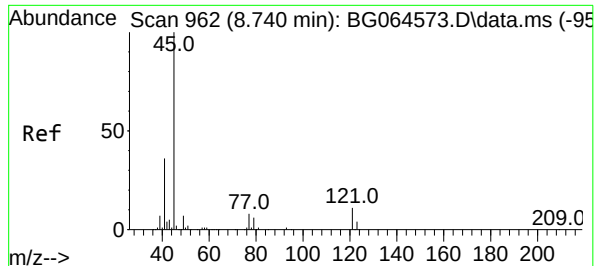
Delta R.T. 0.004 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion:	146	Resp:	13994
Ion Ratio	Lower	Upper	
146	100		
148	61.9	51.5	77.3
111	40.0	35.0	52.6





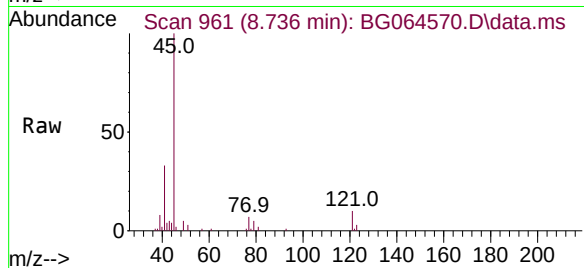
#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.905 ng
RT: 8.736 min Scan# 90
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDIC005



Tgt Ion	Ratio	Lower	Upper
45	100		
77	7.1	0.0	28.5
79	5.0	0.0	25.6

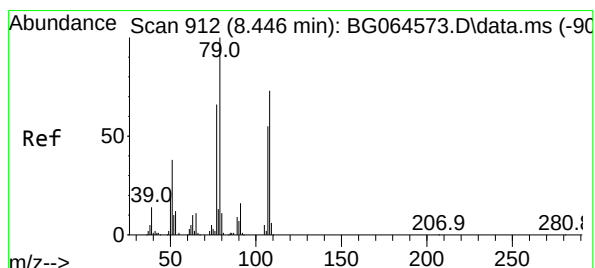
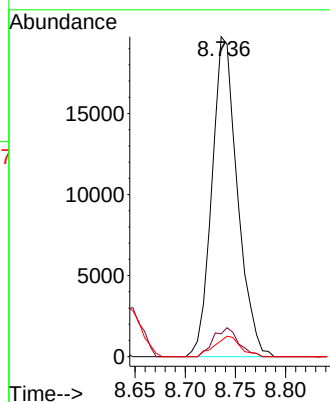
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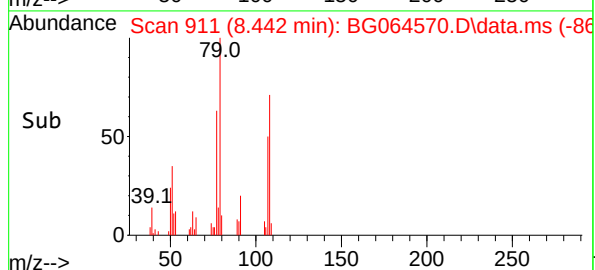
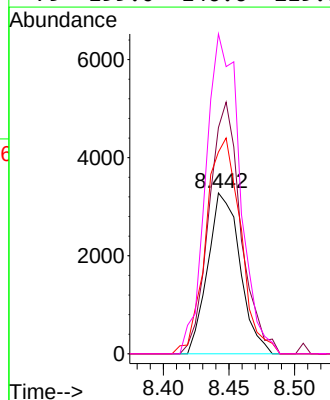
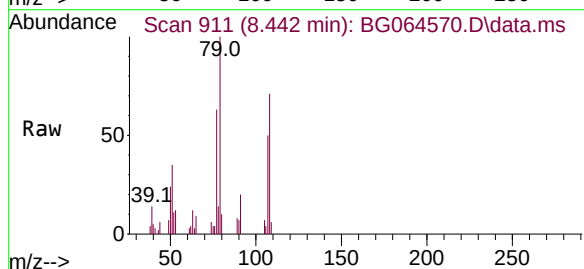
Supervised By :Jagrut
Upadhyay

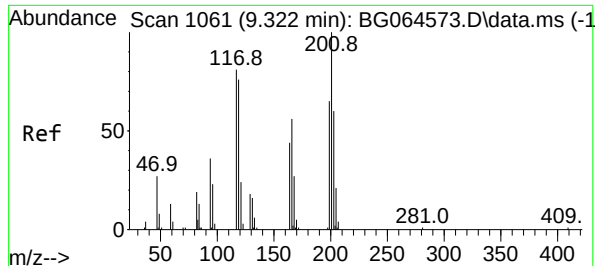
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#17
2-Methylphenol
Concen: 4.063 ng
RT: 8.442 min Scan# 911
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion	Ratio	Lower	Upper
107	100		
108	140.7	106.4	159.6
77	125.5	96.7	145.1
79	199.0	146.6	219.8





#18

Hexachloroethane

Concen: 4.564 ng

RT: 9.329 min Scan# 1061

Delta R.T. 0.004 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

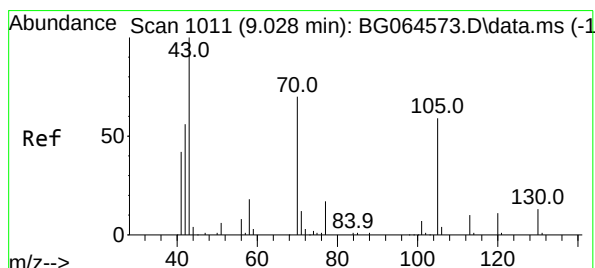
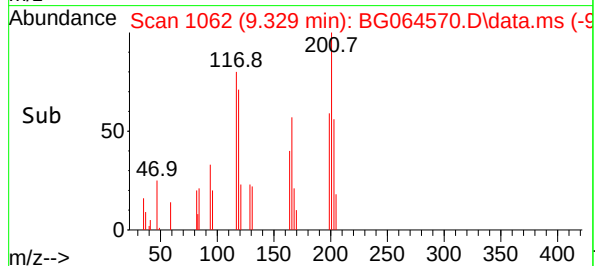
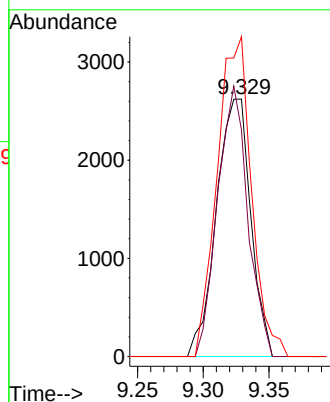
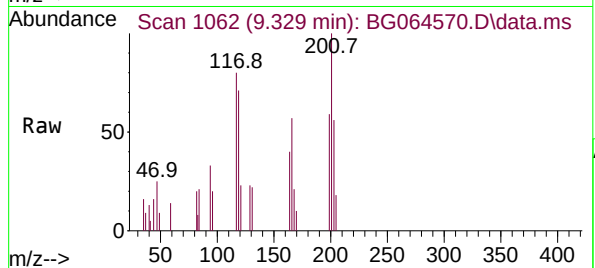
Tgt Ion:	117	Resp:	4773
Ion	Ratio	Lower	Upper
117	100		
119	88.0	75.4	113.2
201	124.2	99.2	148.8

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Supervised By :Jagrut
Upadhyay

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#19

n-Nitroso-di-n-propylamine

Concen: 4.592 ng

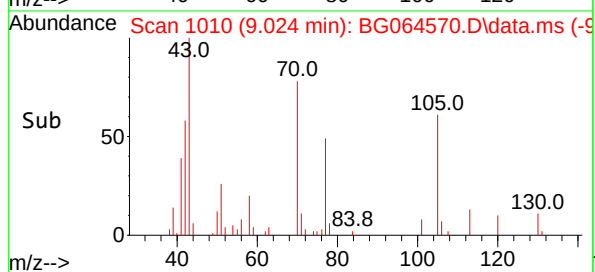
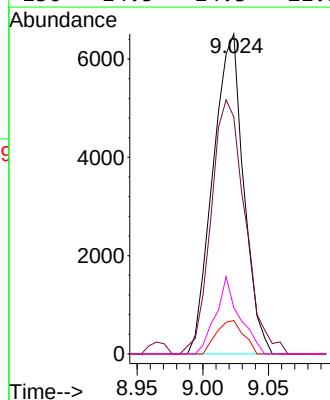
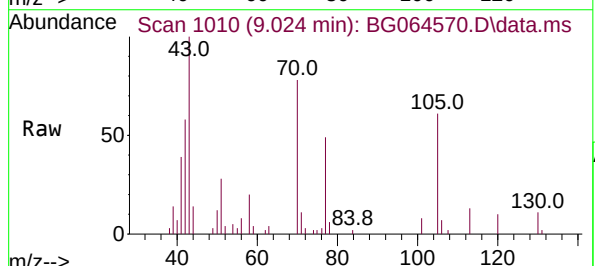
RT: 9.024 min Scan# 1010

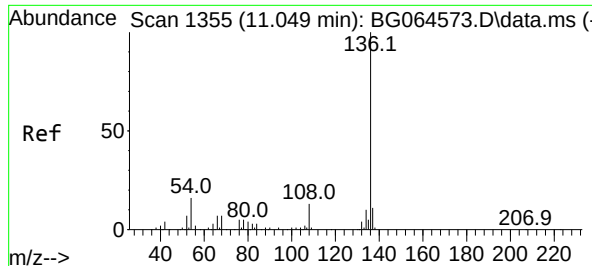
Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

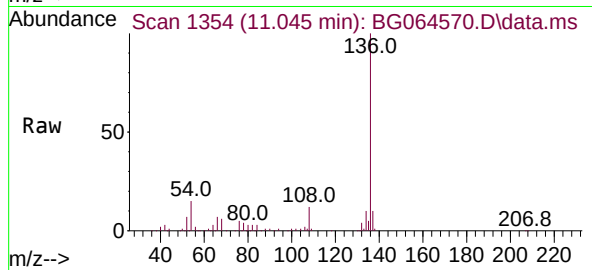
Tgt Ion:	70	Resp:	10596
Ion	Ratio	Lower	Upper
70	100		
42	74.1	65.2	97.8
101	10.4	7.9	11.9
130	14.5	14.3	21.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1355
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



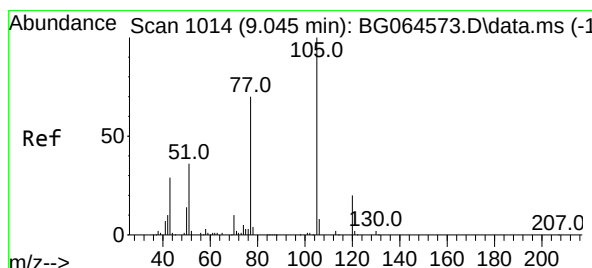
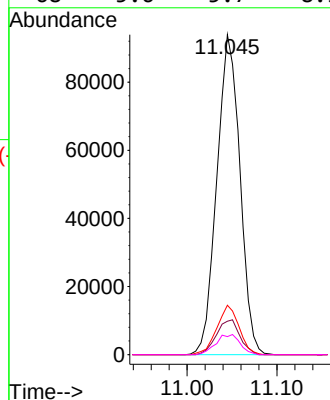
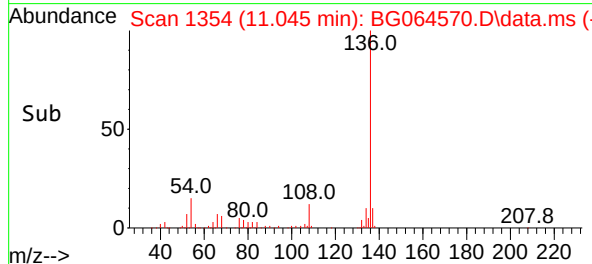
Tgt Ion:136 Resp: 16828
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 15.4 12.6 19.0
68 5.6 5.7 8.5#

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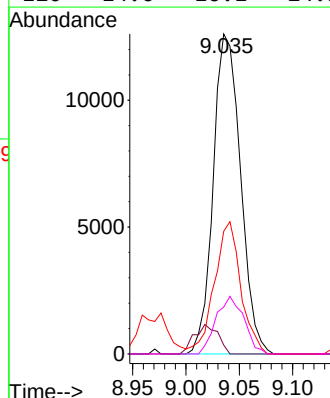
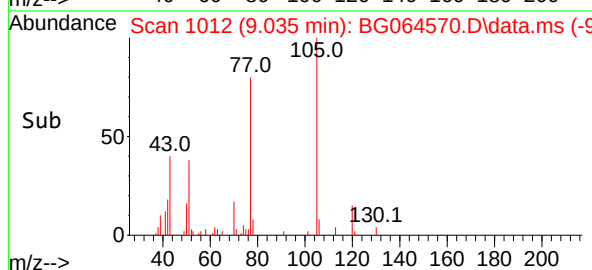
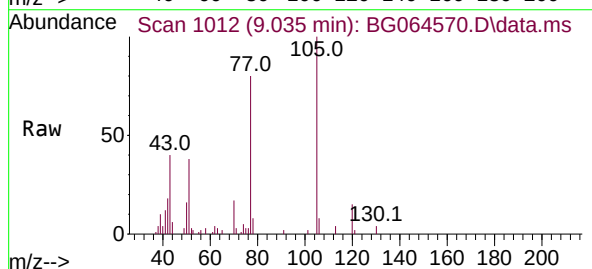
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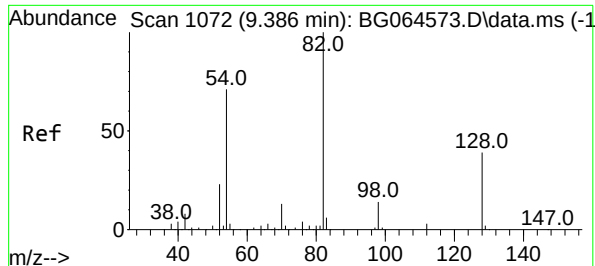
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#22
Acetophenone
Concen: 4.892 ng
RT: 9.035 min Scan# 1012
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:105 Resp: 22505
Ion Ratio Lower Upper
105 100
71 2.8 1.5 2.3#
51 38.4 33.7 50.5
120 14.6 16.1 24.1#





#23

Nitrobenzene-d5

Concen: 7.173 ng

RT: 9.382 min Scan# 1071

Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

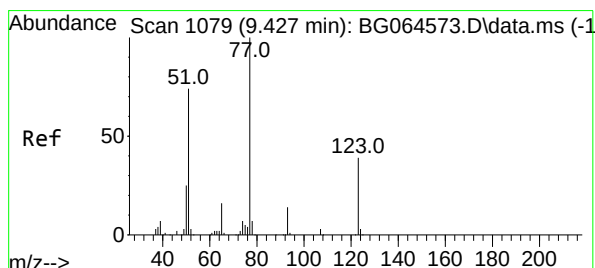
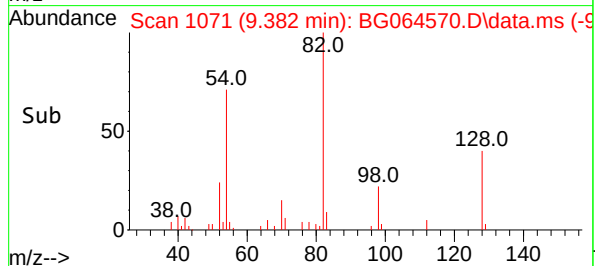
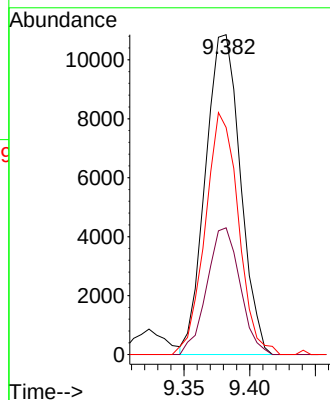
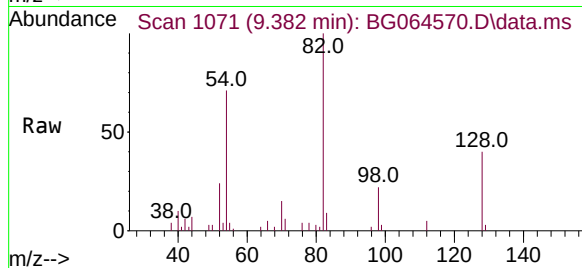
ClientSampleId :

SSTDICC005

Tgt Ion:	82	Resp:	2009
Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.3	46.9
54	71.0	56.6	84.8

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#24

Nitrobenzene

Concen: 3.782 ng

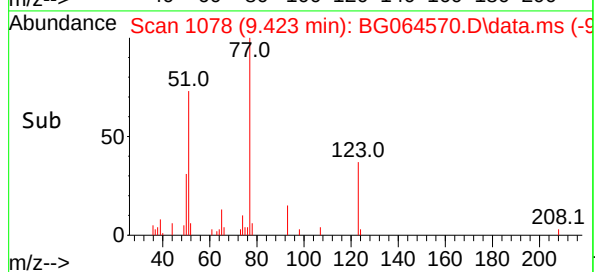
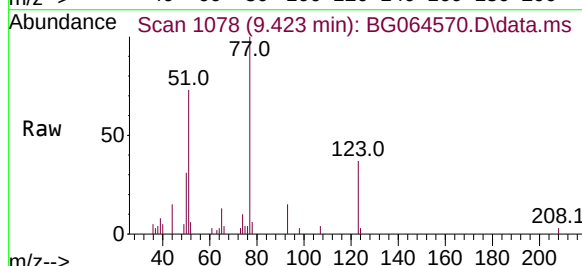
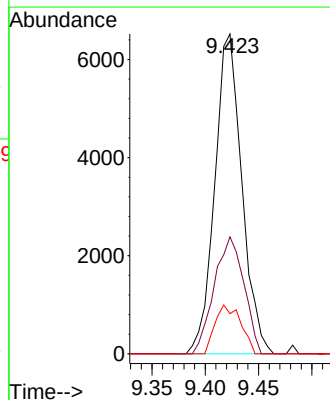
RT: 9.423 min Scan# 1078

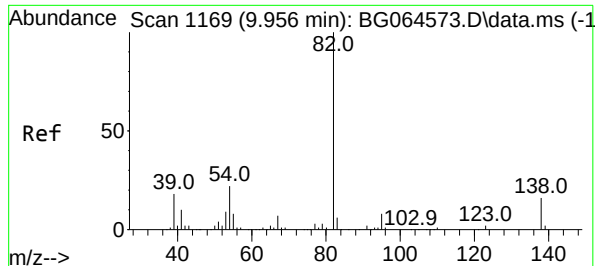
Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion:	77	Resp:	11526
Ion	Ratio	Lower	Upper
77	100		
123	36.6	31.0	46.6
65	12.6	12.7	19.1





#25

Isophorone

Concen: 4.701 ng

RT: 9.946 min Scan# 1169

Delta R.T. -0.020 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Tgt Ion:	82	Resp:	31609
Ion Ratio	Lower	Upper	
82	100		
95	7.2	6.1	9.1
138	12.3	13.0	19.4

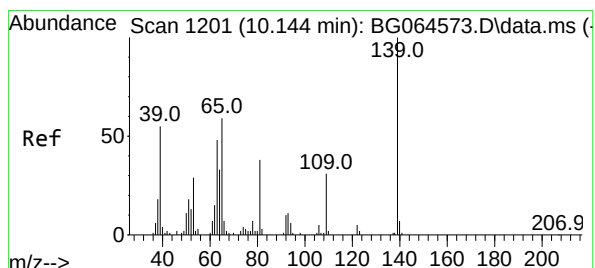
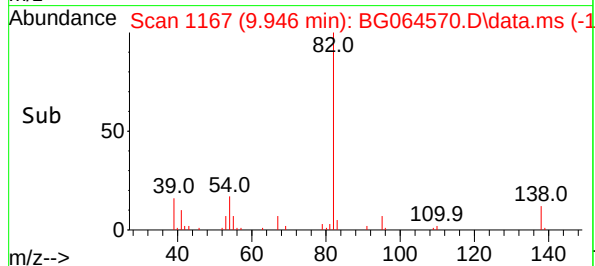
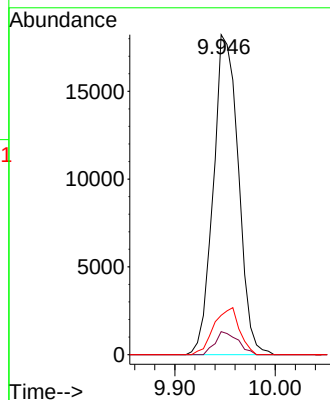
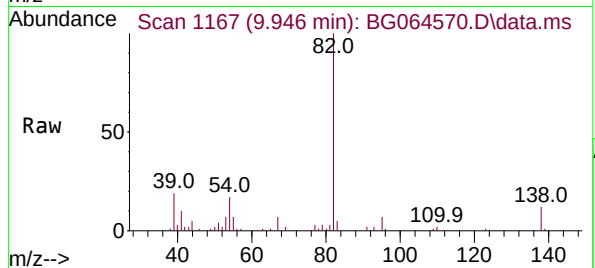
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Upadhyay

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#26

2-Nitrophenol

Concen: 5.664 ng

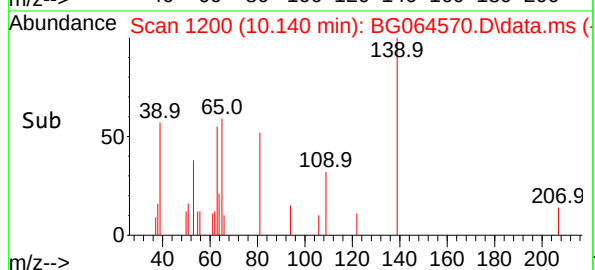
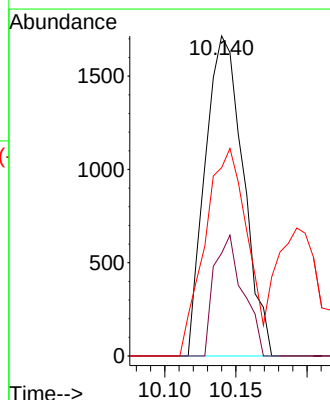
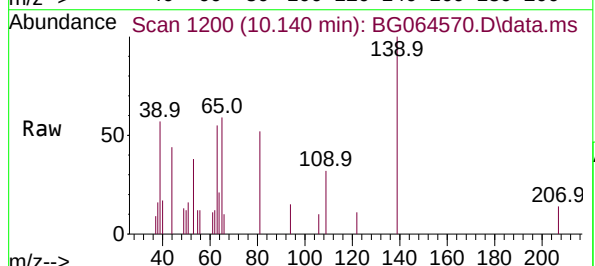
RT: 10.140 min Scan# 1200

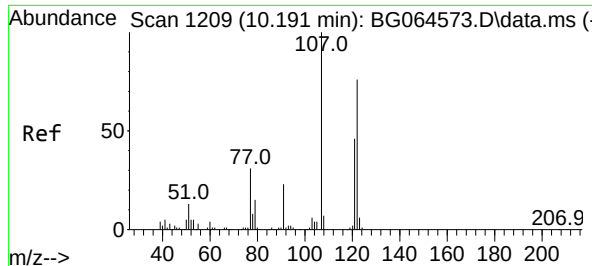
Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

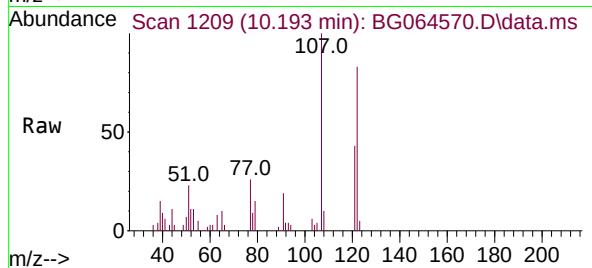
Tgt Ion:	139	Resp:	3186
Ion Ratio	Lower	Upper	
139	100		
109	32.1	24.6	37.0
65	58.9	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 3.891 ng
RT: 10.193 min Scan# 1209
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



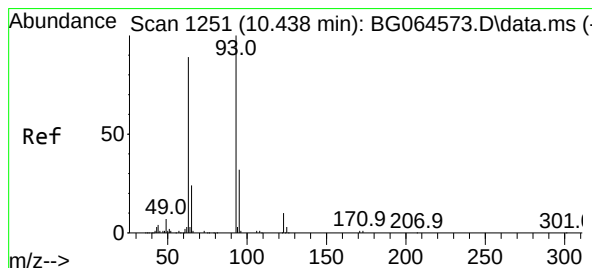
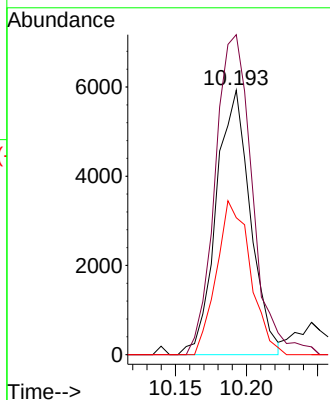
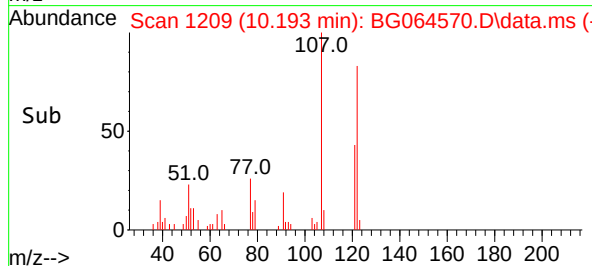
Tgt Ion:122 Resp: 9925
Ion Ratio Lower Upper
122 100
107 121.0 103.0 154.4
121 51.7 47.8 71.8

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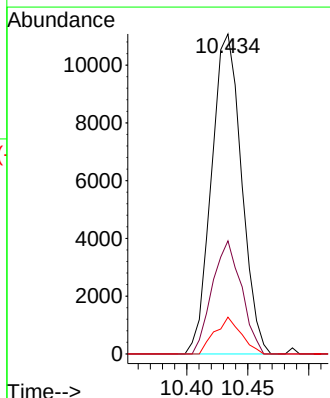
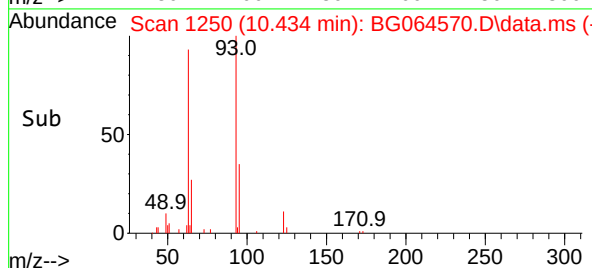
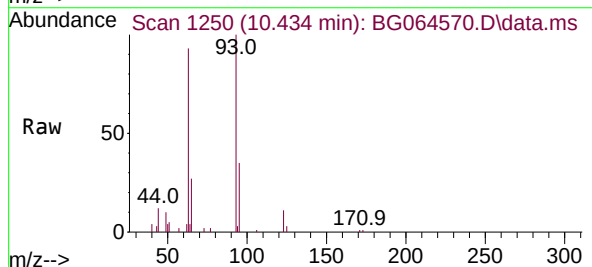
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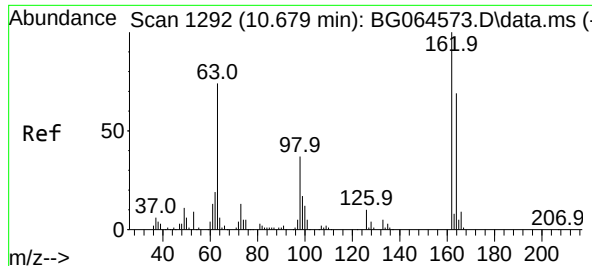
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#28
bis(2-Chloroethoxy)methane
Concen: 4.963 ng
RT: 10.434 min Scan# 1250
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 18999
Ion Ratio Lower Upper
93 100
95 35.3 25.4 38.2
123 11.5 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 3.798 ng

RT: 10.680 min Scan# 1292

Delta R.T. -0.002 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

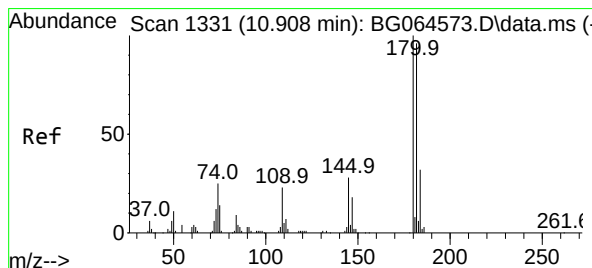
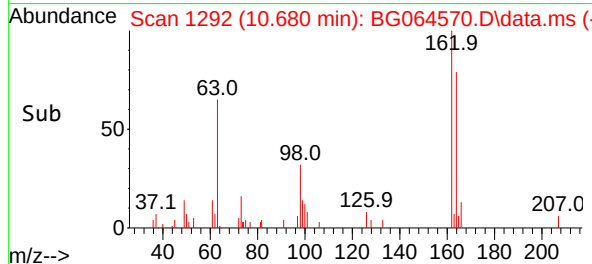
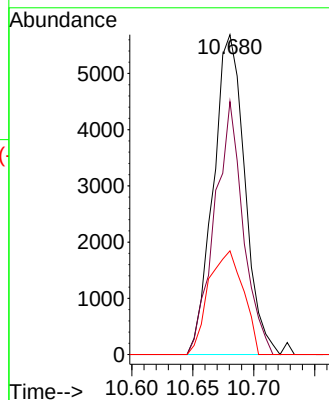
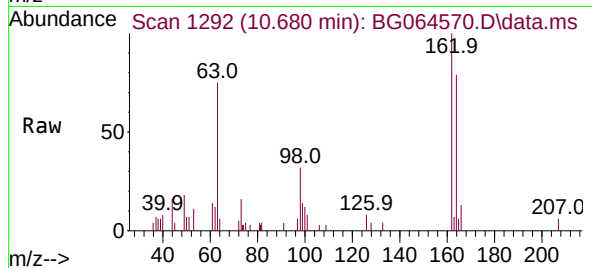
Tgt Ion:	162	Resp:	10223
Ion Ratio	Lower	Upper	
162	100		
164	79.1	48.7	88.7
98	32.4	16.9	56.9

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Upadhyay

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#30

1,2,4-Trichlorobenzene

Concen: 4.656 ng

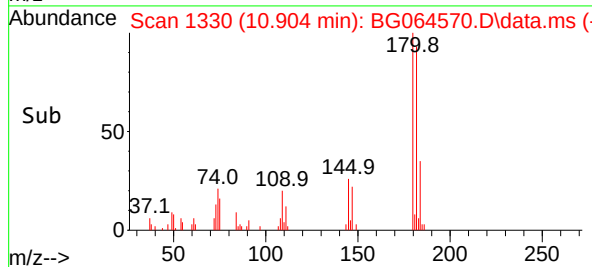
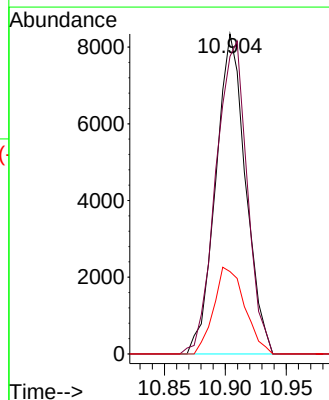
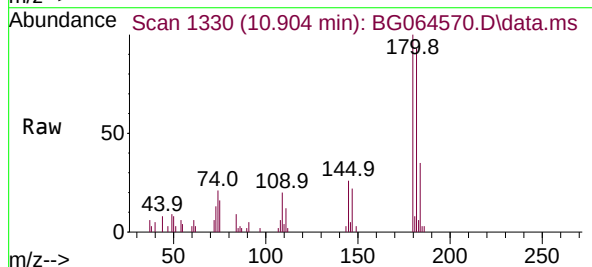
RT: 10.904 min Scan# 1330

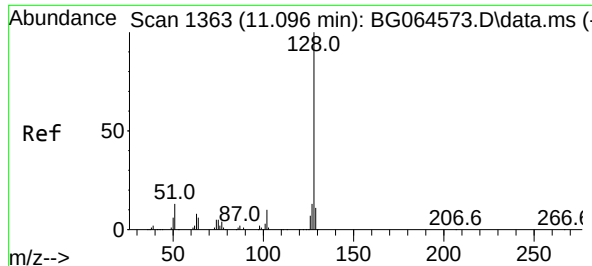
Delta R.T. -0.002 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

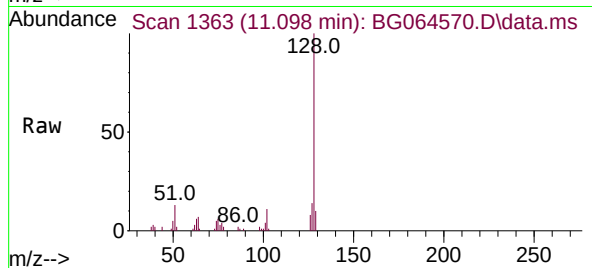
Tgt Ion:	180	Resp:	14238
Ion Ratio	Lower	Upper	
180	100		
182	92.9	76.9	115.3
145	25.7	22.1	33.1





#31
Naphthalene
Concen: 4.883 ng
RT: 11.098 min Scan# 1363
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



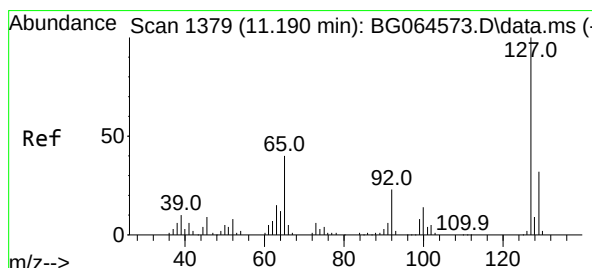
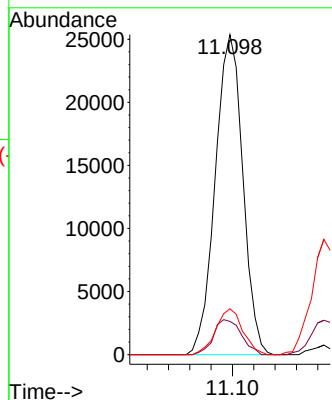
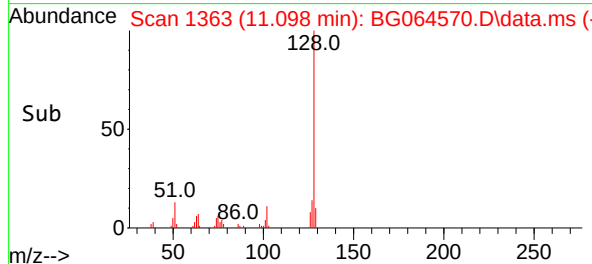
Tgt Ion:128 Resp: 45559
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 14.3 10.6 15.8

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Chavli

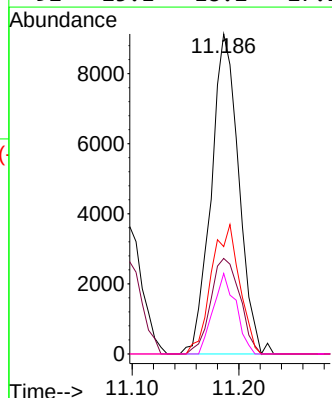
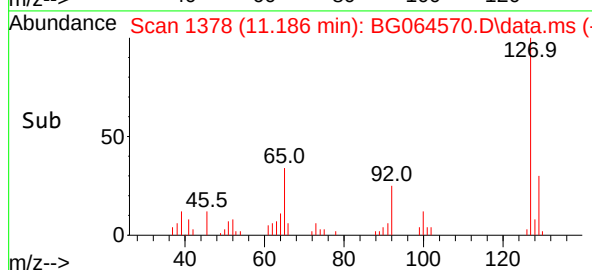
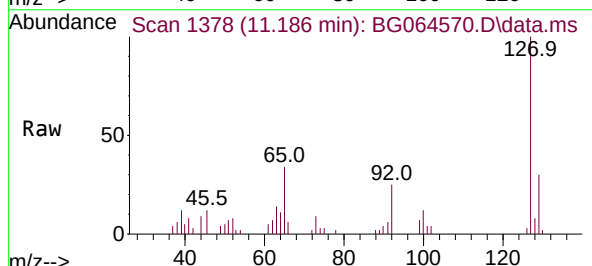
10/27/2025
Supervised By :Jagrut
Upadhyay

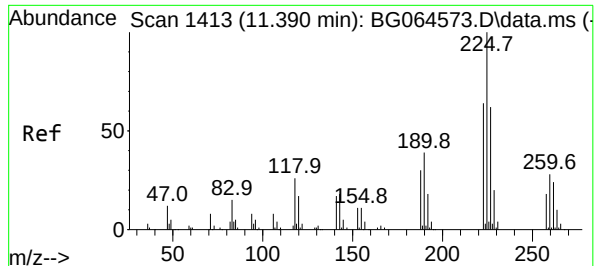
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#33
4-Chloroaniline
Concen: 4.530 ng
RT: 11.186 min Scan# 1378
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:127 Resp: 16429
Ion Ratio Lower Upper
127 100
129 29.8 25.5 38.3
65 33.5 32.2 48.4
92 25.1 18.2 27.2





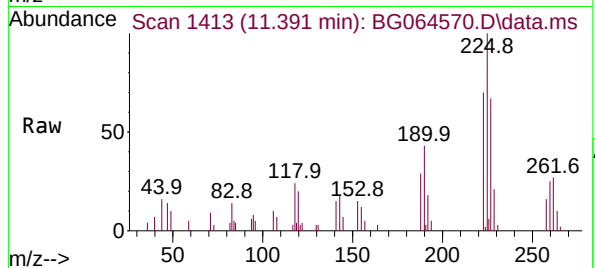
#34
Hexachlorobutadiene
Concen: 4.688 ng
RT: 11.391 min Scan# 1413
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005



Tgt Ion:225 Resp: 11212
Ion Ratio Lower Upper
225 100
223 66.4 48.8 73.2
227 63.9 49.5 74.3

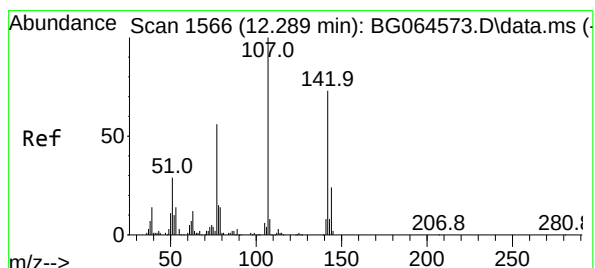
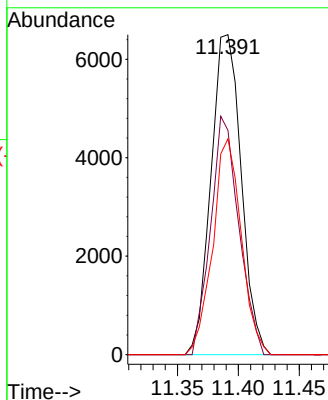
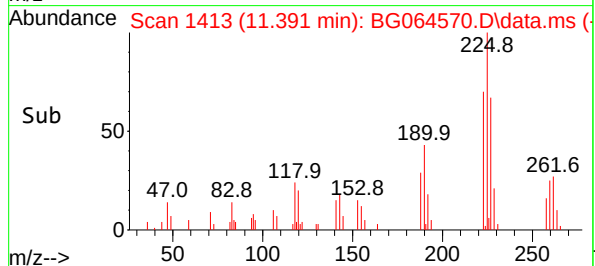
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Reviewed By :Rahul
Chavli

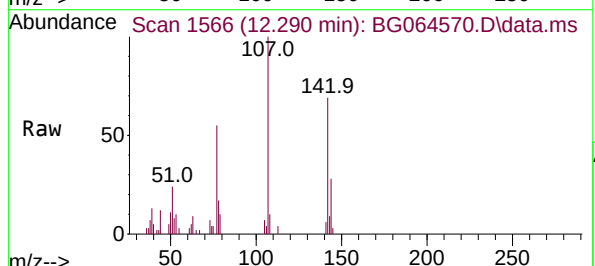
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Upadhyay

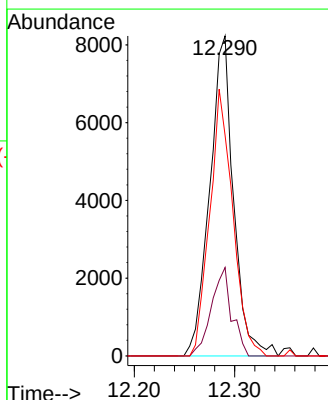
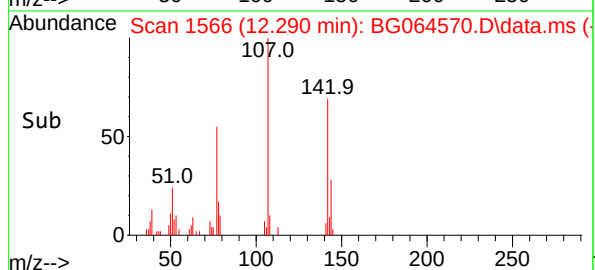
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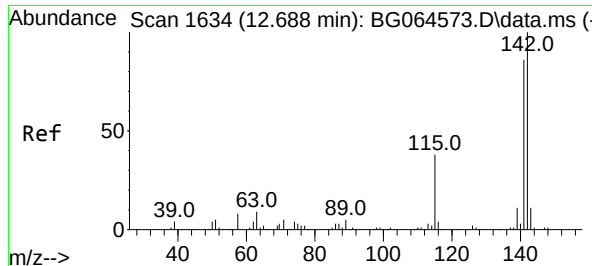


#36
4-Chloro-3-methylphenol
Concen: 4.205 ng
RT: 12.290 min Scan# 1566
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



Tgt Ion:107 Resp: 13604
Ion Ratio Lower Upper
107 100
144 27.6 19.1 28.7
142 68.9 58.6 87.8





#37

2-Methylnaphthalene

Concen: 4.690 ng

RT: 12.690 min Scan# 1634

Delta R.T. -0.002 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

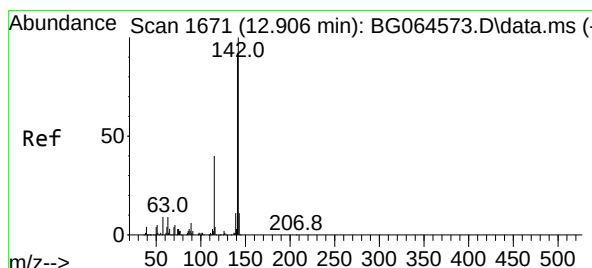
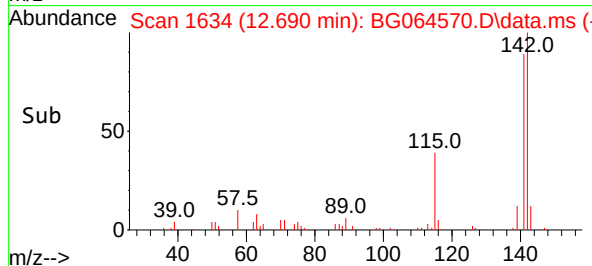
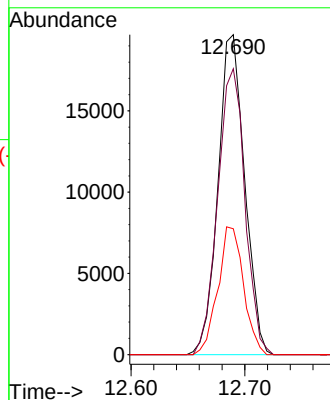
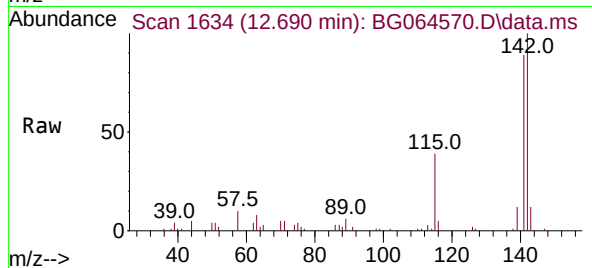
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	68.9	103.3
115	39.3	30.6	46.0

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Upadhyay

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#38

1-Methylnaphthalene

Concen: 4.972 ng m

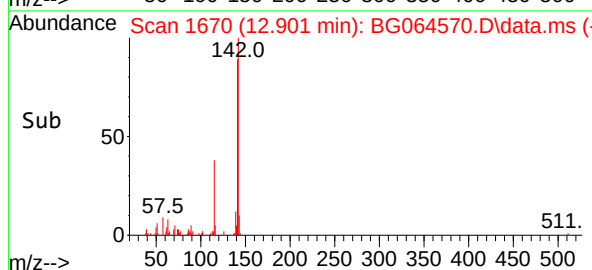
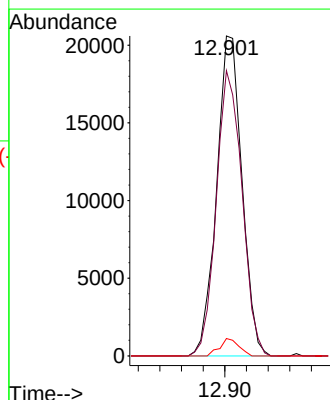
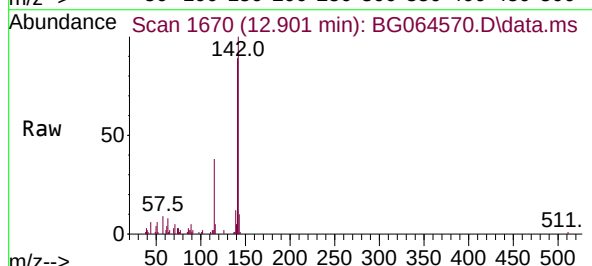
RT: 12.901 min Scan# 1670

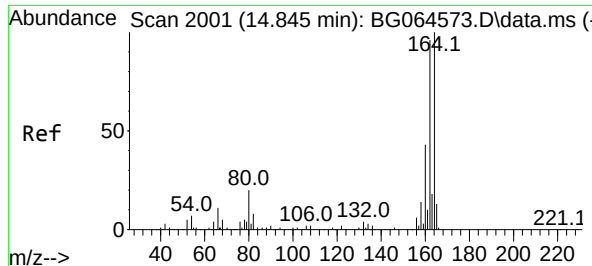
Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.3	109.9
116	5.4	3.1	4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.840 min Scan# 2001

Delta R.T. -0.002 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDIC005

Tgt Ion:164 Resp: 13138

Ion Ratio Lower Upper

164 100

162 103.0 77.0 115.6

160 48.2 34.4 51.6

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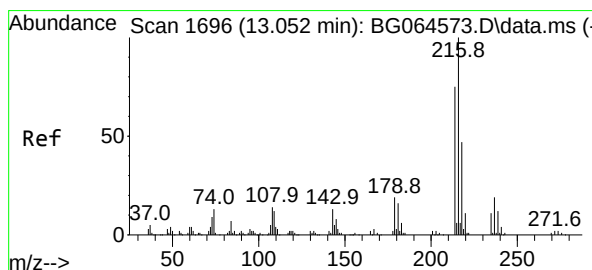
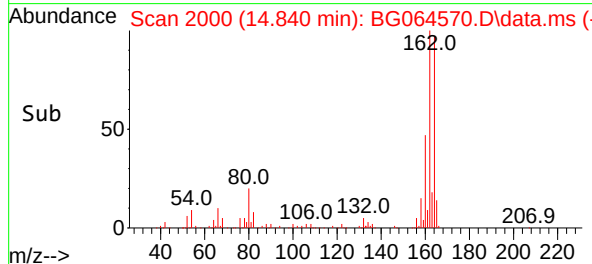
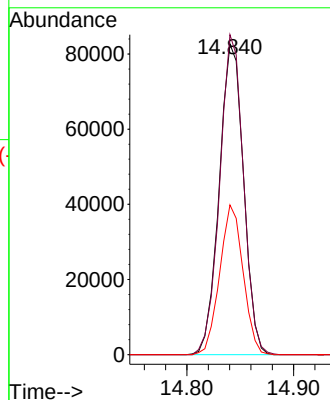
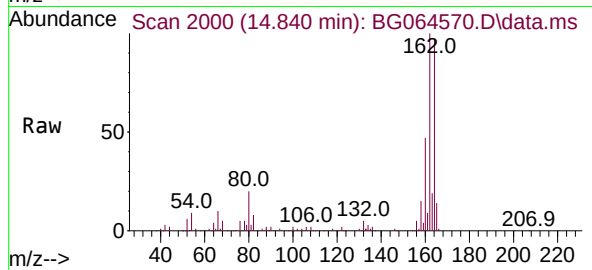
APPROVED

Reviewed By :Rahul
Chavli

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Supervised By :Jagrut
Upadhyay

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.893 ng

RT: 13.048 min Scan# 1695

Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion:216 Resp: 21576

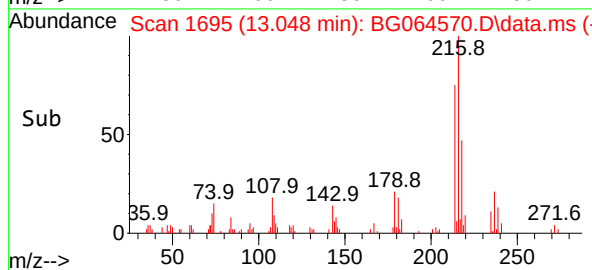
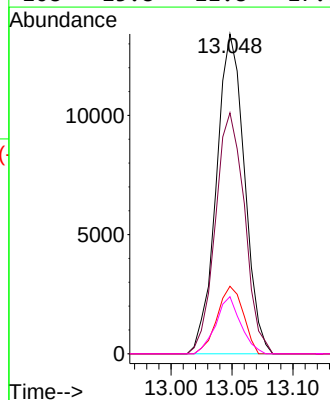
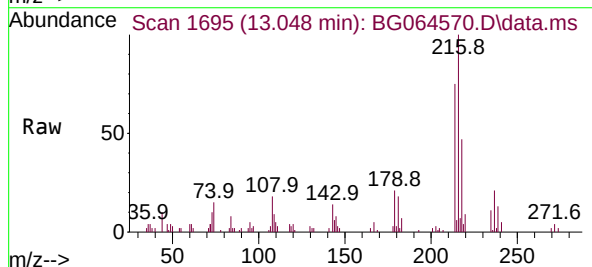
Ion Ratio Lower Upper

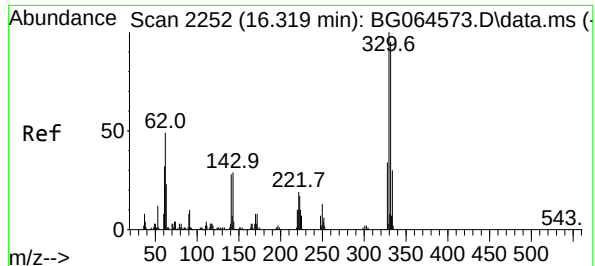
216 100

214 78.0 61.4 92.2

179 19.5 15.4 23.0

108 15.8 11.8 17.6





#42

2,4,6-Tribromophenol

Concen: 7.654 ng

RT: 16.315 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Tgt Ion:330 Resp: 14514
Ion Ratio Lower Upper
330 100
332 95.3 78.0 117.0
141 25.5 21.8 32.6

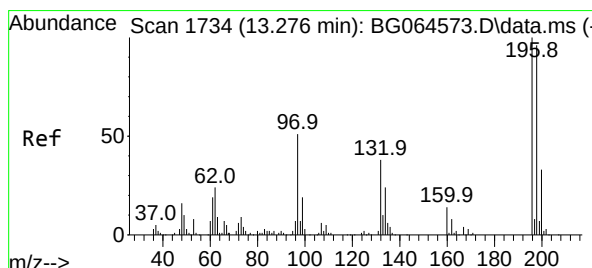
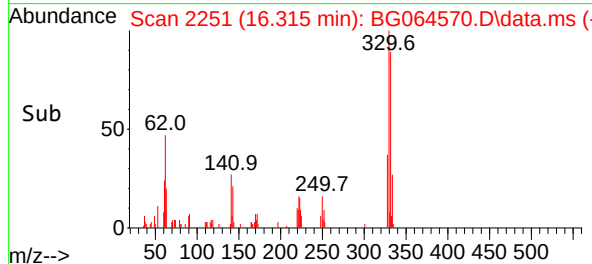
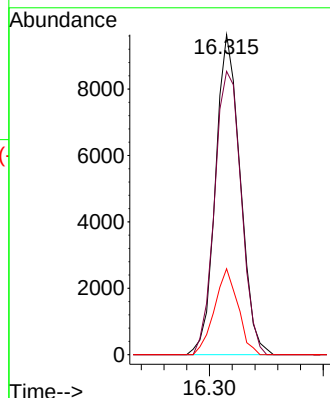
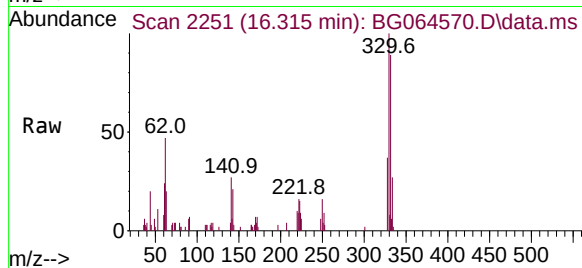
Manual Integrations
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Reviewed By :Rahul
Chavli

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Upadhyay

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#43

2,4,6-Trichlorophenol

Concen: 3.826 ng

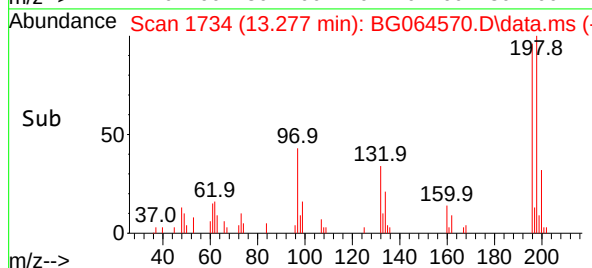
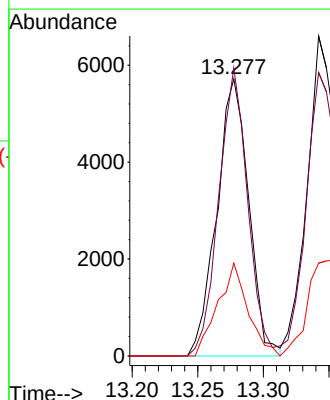
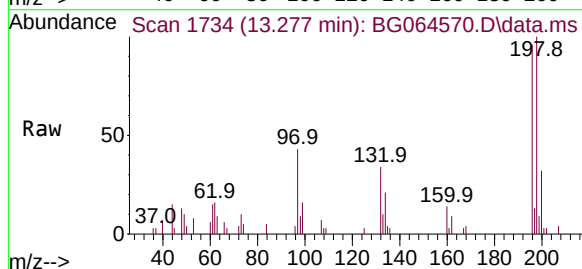
RT: 13.277 min Scan# 1734

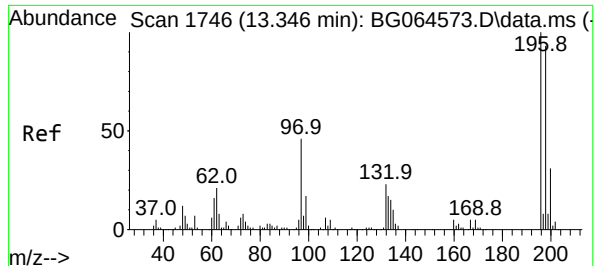
Delta R.T. -0.002 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion:196 Resp: 9650
Ion Ratio Lower Upper
196 100
198 103.9 76.6 115.0
200 33.5 26.0 39.0





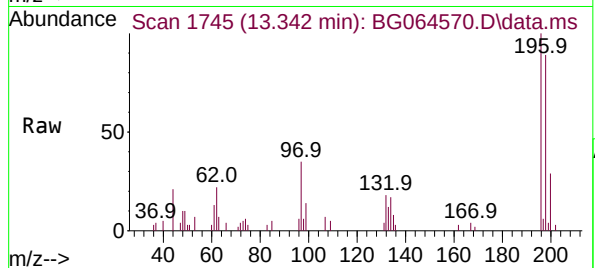
#44
2,4,5-Trichlorophenol
Concen: 3.831 ng
RT: 13.342 min Scan# 1746
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDIC005



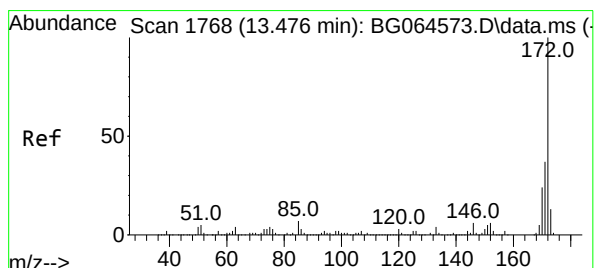
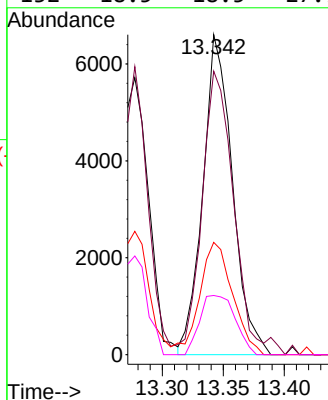
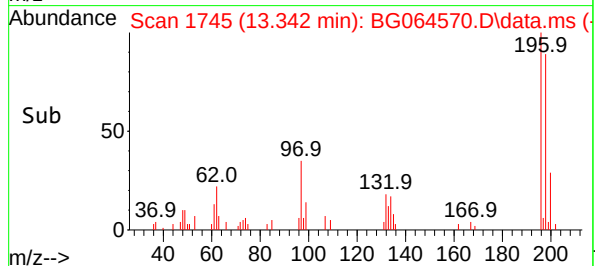
Tgt Ion:196 Resp: 1115
Ion Ratio Lower Upper
196 100
198 88.6 74.2 111.4
97 35.1 37.0 55.6
132 18.5 18.5 27.7

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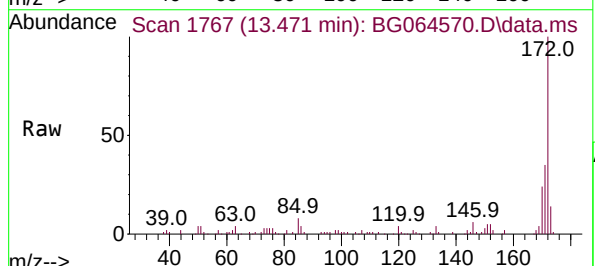
Reviewed By :Rahul
Chavli

10/27/2025
Supervised By :Jagrut
Upadhyay

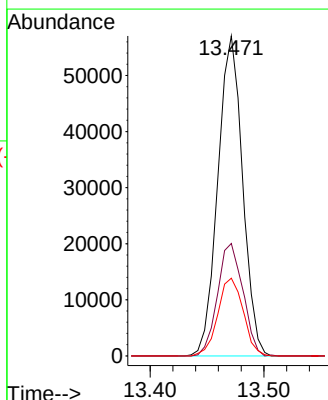
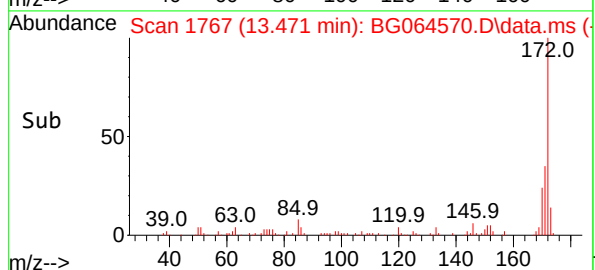
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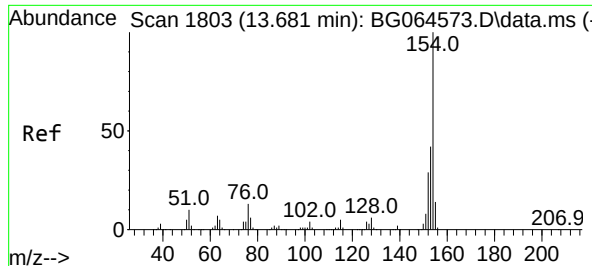


#45
2-Fluorobiphenyl
Concen: 9.932 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



Tgt Ion:172 Resp: 86089
Ion Ratio Lower Upper
172 100
171 35.1 29.4 44.0
170 24.3 19.1 28.7





#46

1,1'-Biphenyl

Concen: 5.122 ng

RT: 13.683 min Scan# 1803

Delta R.T. -0.002 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

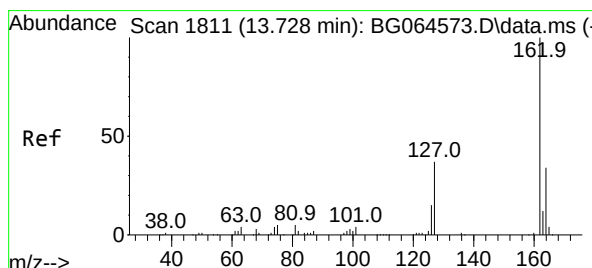
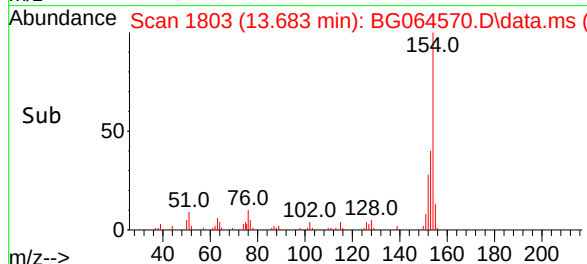
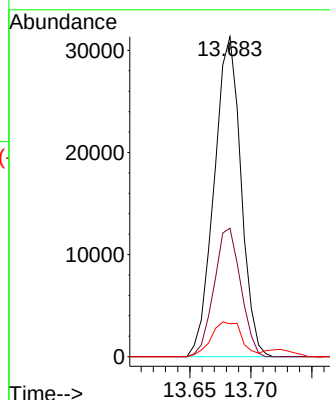
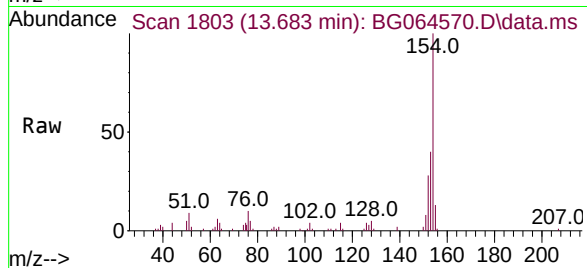
ClientSampleId :

SSTDICC005

Tgt Ion:154	Resp:	47840	
Ion Ratio	Lower	Upper	
154	100		
153	40.1	22.4	62.4
76	10.3	0.0	33.5

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Chavli10/27/2025
Supervised By :Jagrut
Upadhyay

10/27/2025



#47

2-Chloronaphthalene

Concen: 4.961 ng

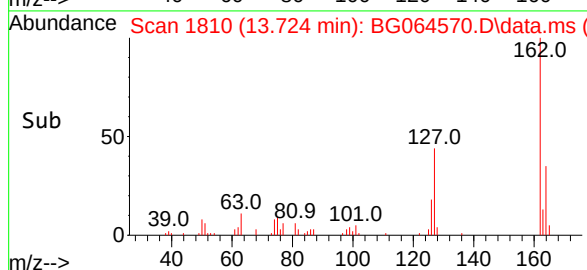
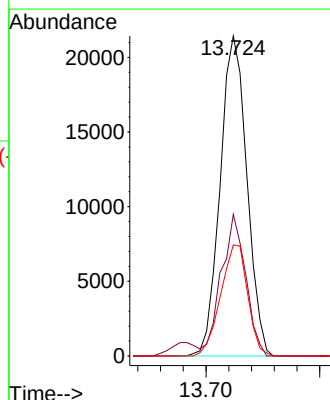
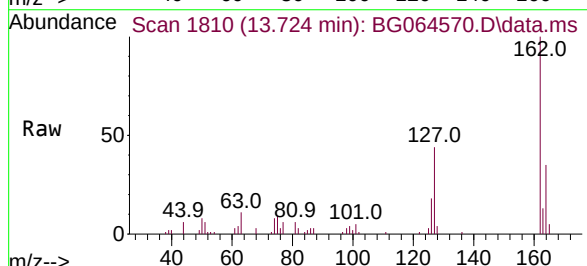
RT: 13.724 min Scan# 1810

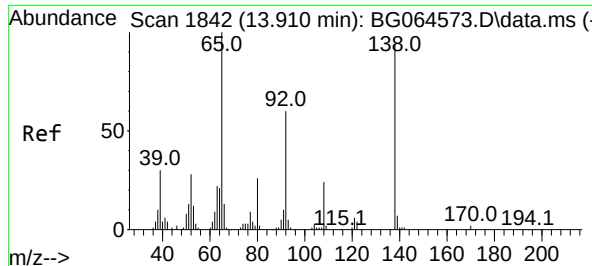
Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

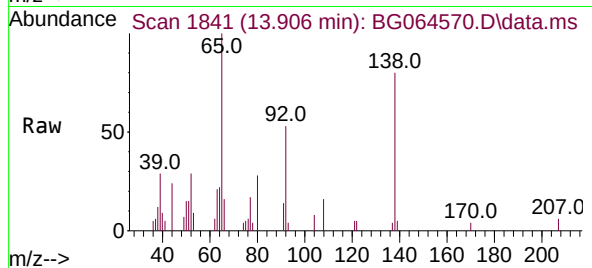
Tgt Ion:162	Resp:	34977	
Ion Ratio	Lower	Upper	
162	100		
127	44.2	32.2	48.2
164	34.7	27.5	41.3





#48
2-Nitroaniline
Concen: 5.826 ng
RT: 13.906 min Scan# 1842
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDIC005



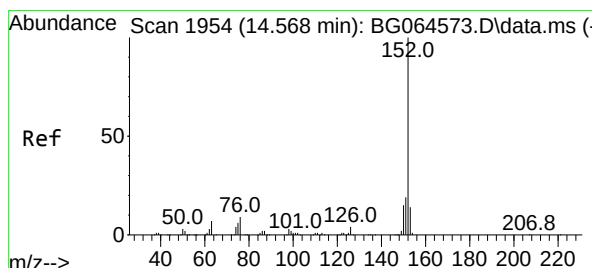
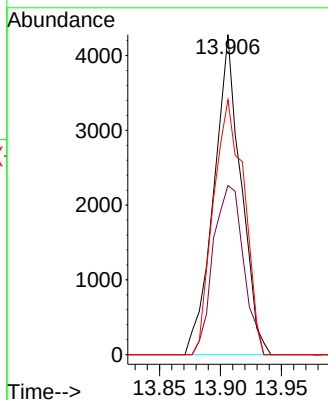
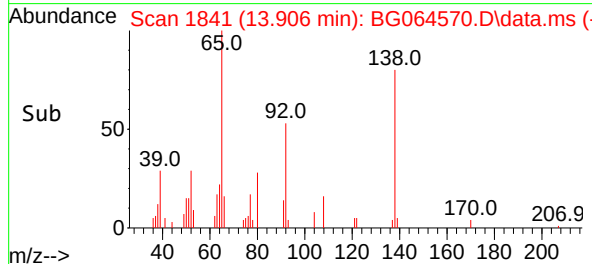
Tgt Ion: 65 Resp: 6601
Ion Ratio Lower Upper
65 100
92 52.8 48.3 72.5
138 79.6 74.9 112.3

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Chavli

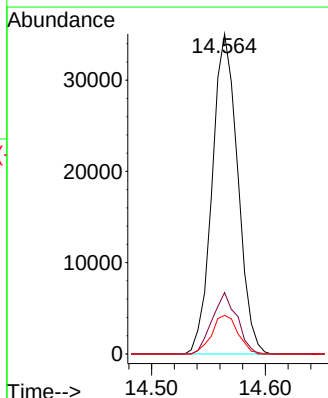
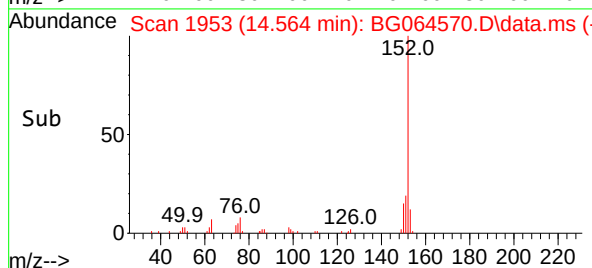
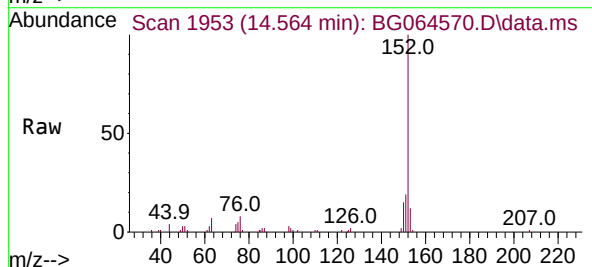
10/27/2025
Supervised By :Jagrut
Upadhyay

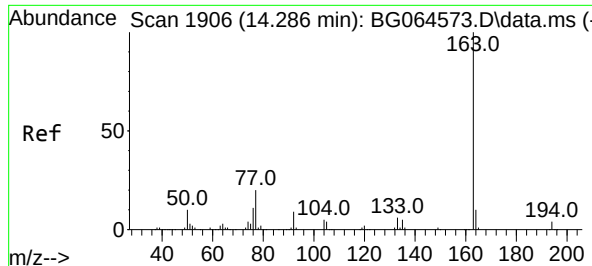
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#49
Acenaphthylene
Concen: 4.923 ng
RT: 14.564 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:152 Resp: 54748
Ion Ratio Lower Upper
152 100
151 19.2 15.4 23.2
153 12.0 11.0 16.4





#50
Dimethylphthalate
Concen: 4.540 ng
RT: 14.282 min Scan# 1906
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDIC005

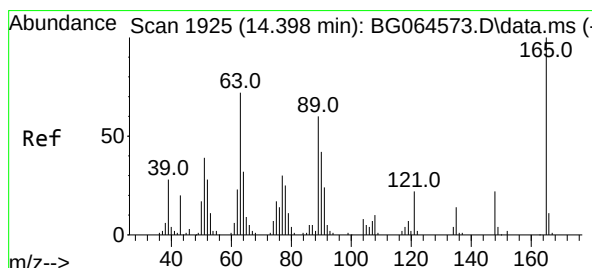
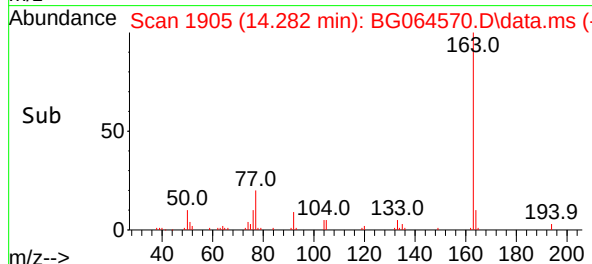
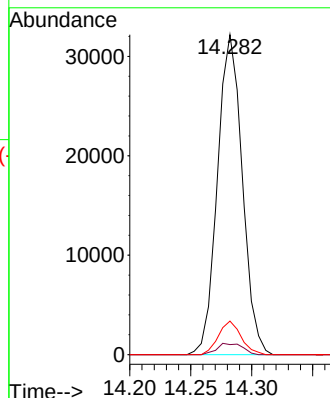
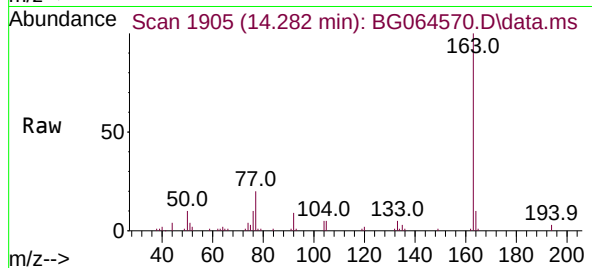
Tgt Ion:163 Resp: 45639
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.5 7.7 11.5

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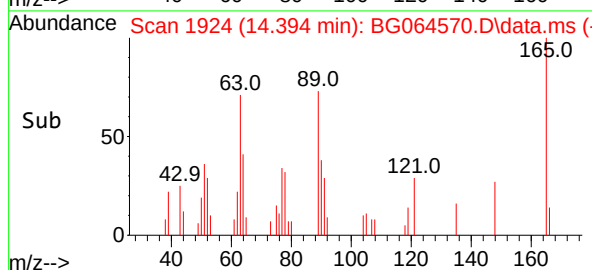
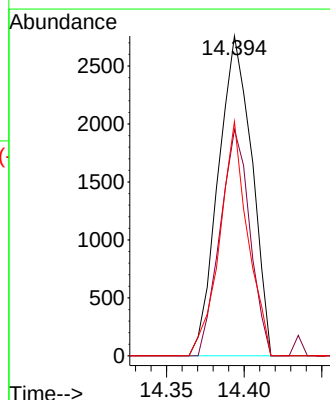
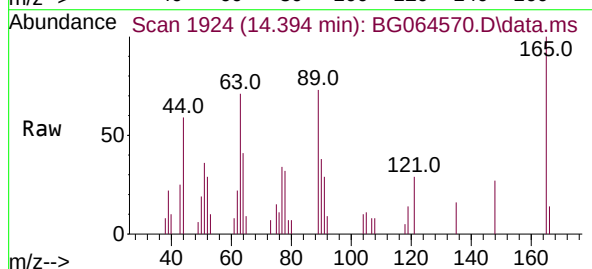
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Supervised By :Jagrut
Upadhyay

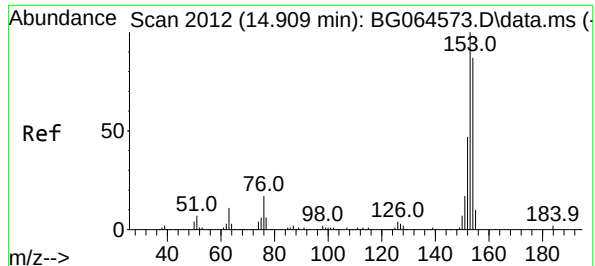
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#51
2,6-Dinitrotoluene
Concen: 5.535 ng
RT: 14.394 min Scan# 1924
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

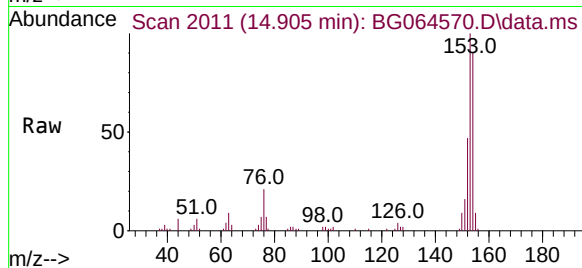
Tgt Ion:165 Resp: 4161
Ion Ratio Lower Upper
165 100
63 70.7 57.4 86.0
89 73.2 47.8 71.8#





#52
Acenaphthene
Concen: 4.867 ng
RT: 14.905 min Scan# 2012
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



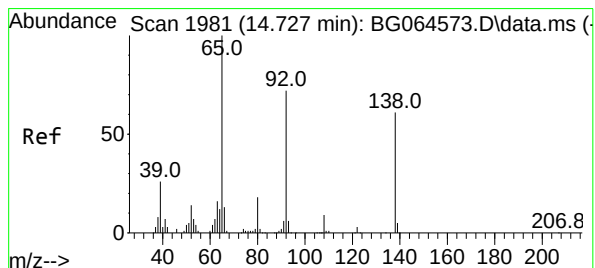
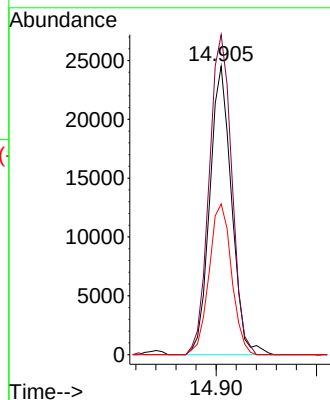
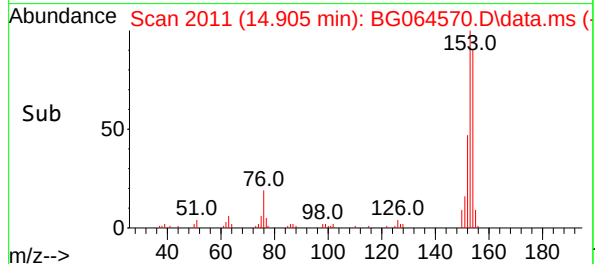
Tgt Ion:154 Resp: 36982
Ion Ratio Lower Upper
154 100
153 111.0 92.2 138.4
152 52.2 43.2 64.8

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Reviewed By :Rahul
Chavli

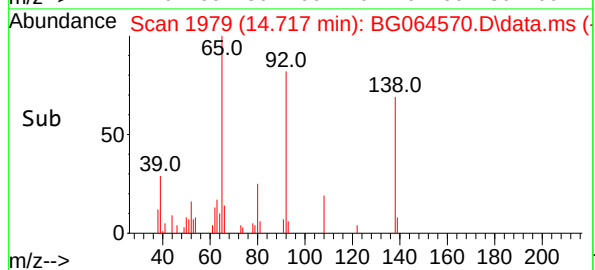
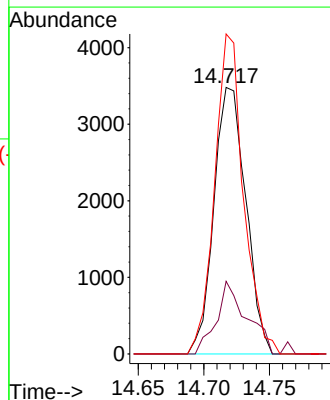
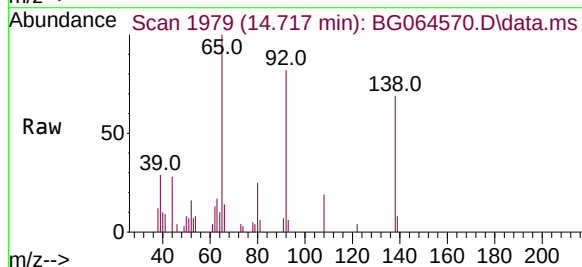
10/27/2025
Supervised By :Jagrut
Upadhyay

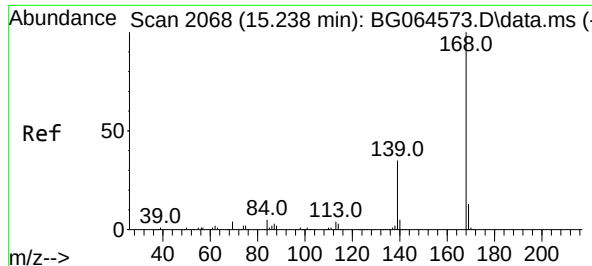
10/27/2025



#53
3-Nitroaniline
Concen: 3.417 ng
RT: 14.717 min Scan# 1979
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:138 Resp: 5903
Ion Ratio Lower Upper
138 100
108 27.2 11.4 17.0#
92 120.0 95.3 142.9





#55

Dibenzenofuran

Concen: 5.029 ng

RT: 15.234 min Scan# 2068

Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDIC005

Tgt Ion:168	Resp:	61779
Ion Ratio	Lower	Upper
168	100	
139	32.7	27.8 41.8
169	13.7	10.3 15.5

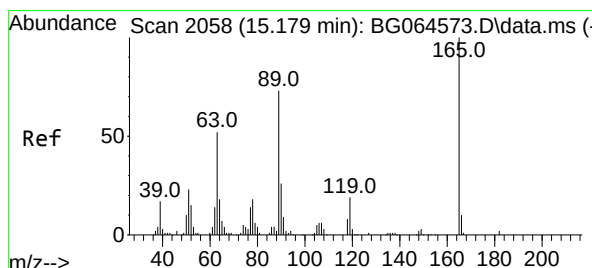
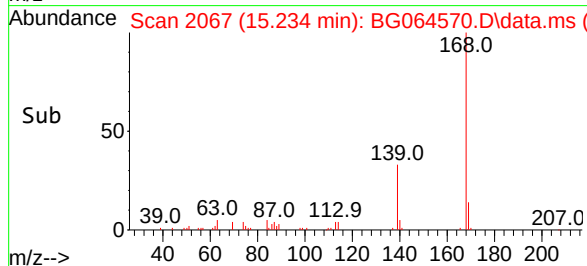
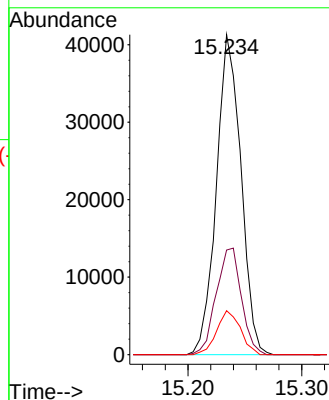
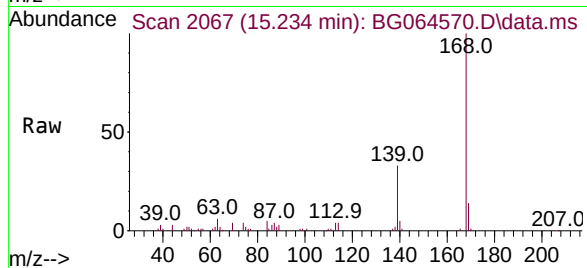
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

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Supervised By :Jagrut
Upadhyay

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#57

2,4-Dinitrotoluene

Concen: 5.721 ng

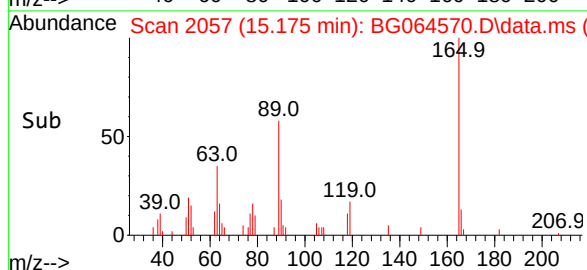
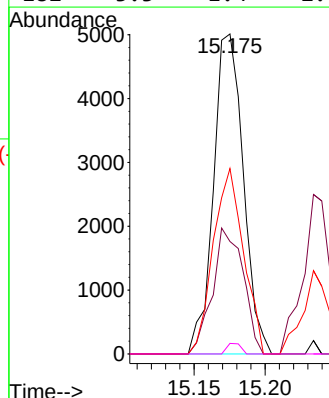
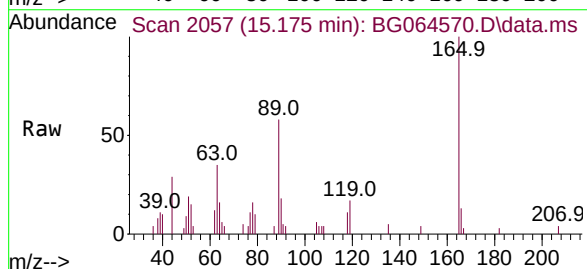
RT: 15.175 min Scan# 2057

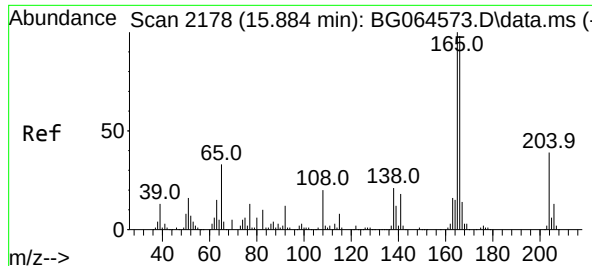
Delta R.T. -0.014 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion:165	Resp:	7312
Ion Ratio	Lower	Upper
165	100	
63	35.1	41.8 62.8#
89	57.9	58.1 87.1#
182	3.3	1.4 2.0#





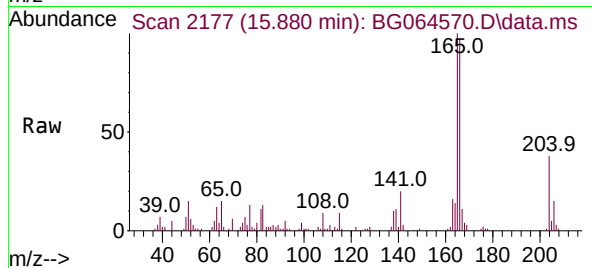
#58
Fluorene
Concen: 5.035 ng
RT: 15.880 min Scan# 2178
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005



Tgt Ion:166 Resp: 48305
Ion Ratio Lower Upper
166 100
165 103.5 81.5 122.3
167 11.6 11.4 17.0

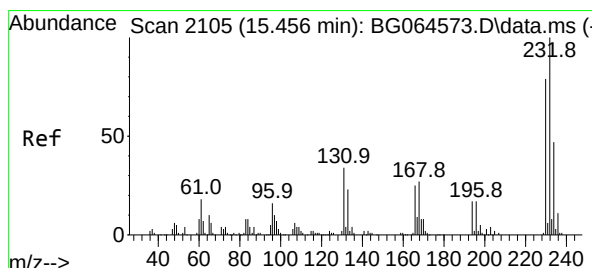
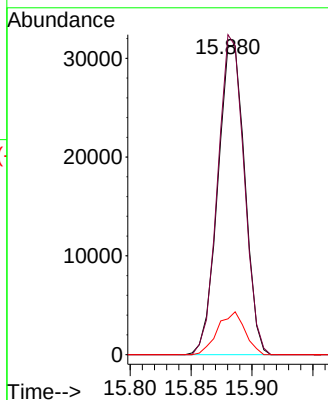
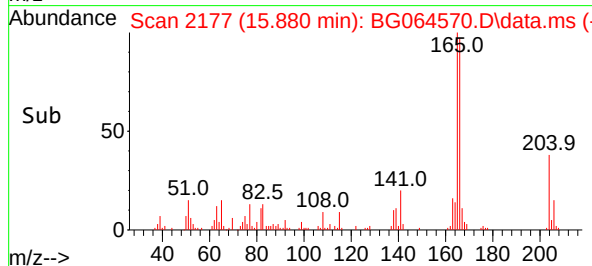
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Chavli

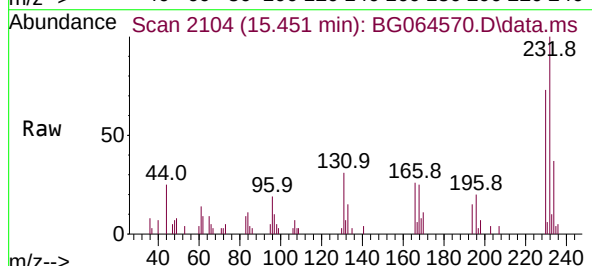
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Upadhyay

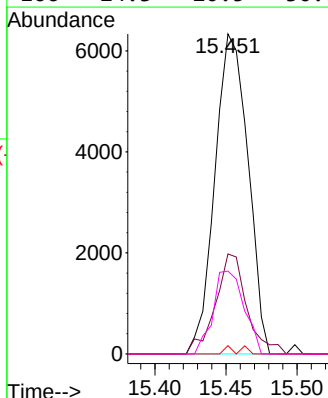
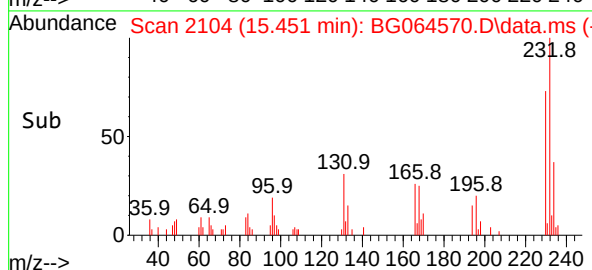
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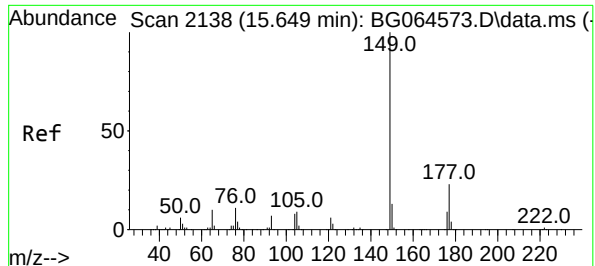


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.679 ng
RT: 15.451 min Scan# 2104
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



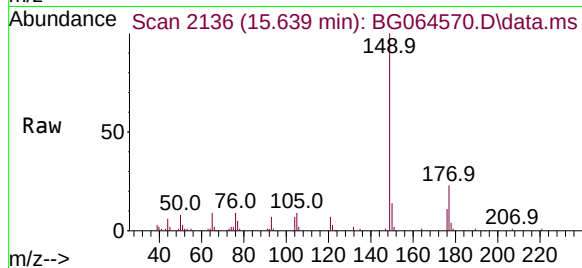
Tgt Ion:232 Resp: 10241
Ion Ratio Lower Upper
232 100
131 29.7 26.7 40.1
130 1.1 1.6 2.4#
166 24.3 20.5 30.7





#60
Diethylphthalate
Concen: 4.533 ng
RT: 15.639 min Scan# 2138
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



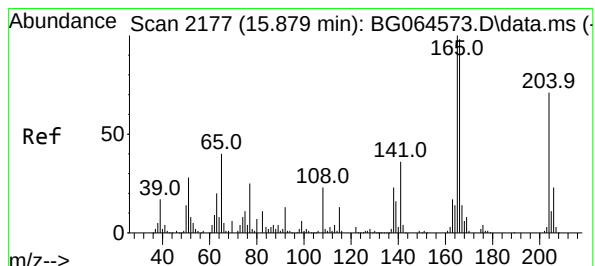
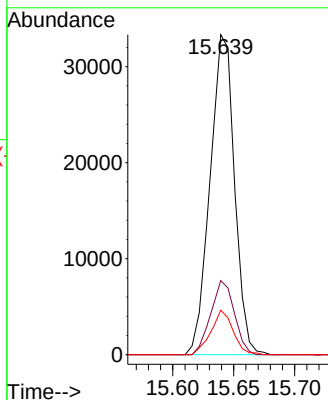
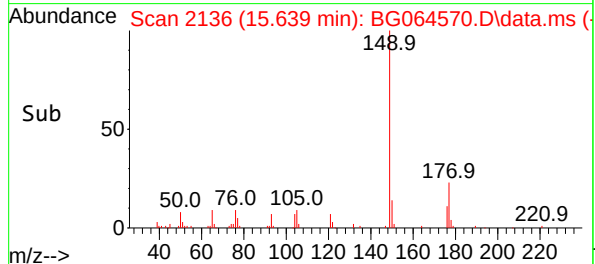
Tgt Ion:149 Resp: 46534
Ion Ratio Lower Upper
149 100
177 23.1 18.0 27.0
150 13.9 10.2 15.4

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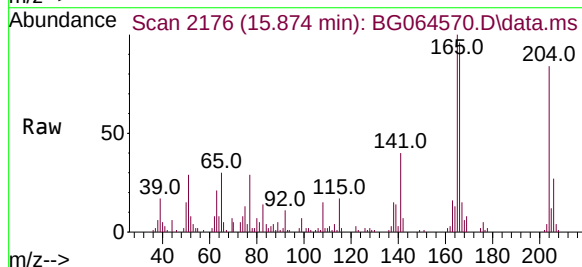
Reviewed By :Rahul
Chavli

10/27/2025
Supervised By :Jagrut
Upadhyay

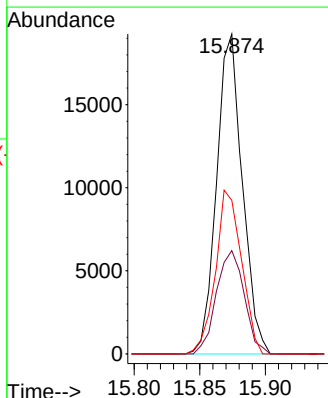
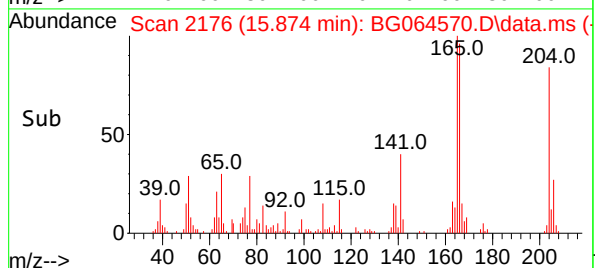
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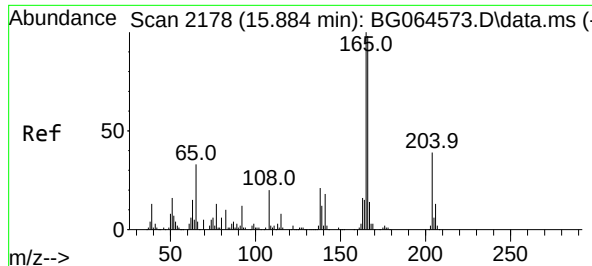


#61
4-Chlorophenyl-phenylether
Concen: 4.880 ng
RT: 15.874 min Scan# 2176
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



Tgt Ion:204 Resp: 26270
Ion Ratio Lower Upper
204 100
206 32.3 25.6 38.4
141 48.0 40.6 60.8





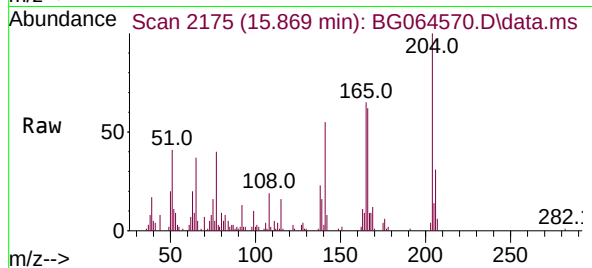
#62
4-Nitroaniline
Concen: 3.321 ng
RT: 15.869 min Scan# 2175
Delta R.T. -0.025 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDIC005



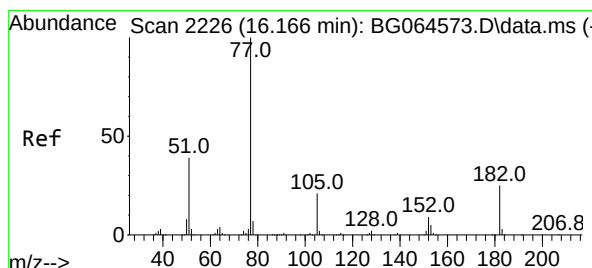
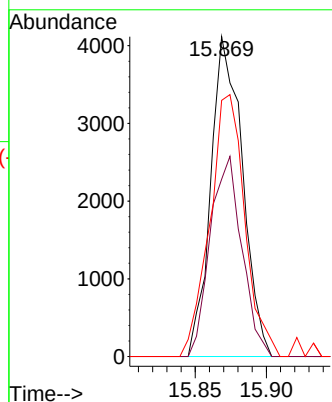
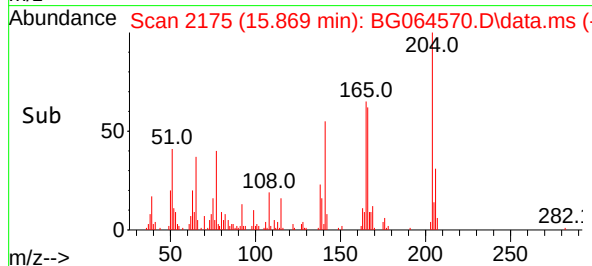
Tgt Ion:138 Resp: 6383
Ion Ratio Lower Upper
138 100
92 55.4 36.1 76.1
108 80.1 75.6 115.6

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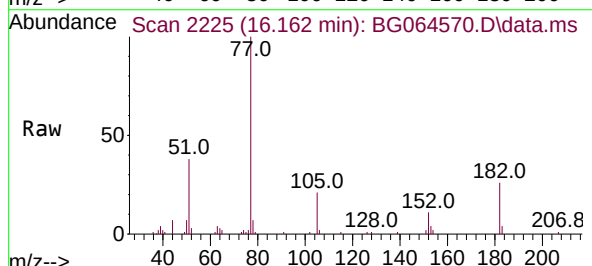
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Upadhyay

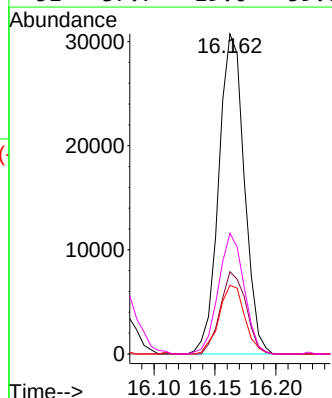
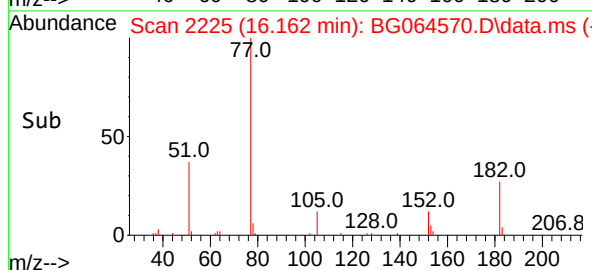
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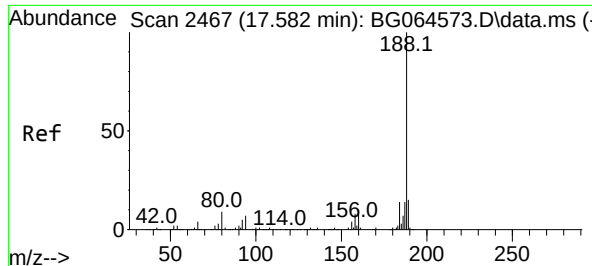


#63
Azobenzene
Concen: 4.749 ng
RT: 16.162 min Scan# 2225
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



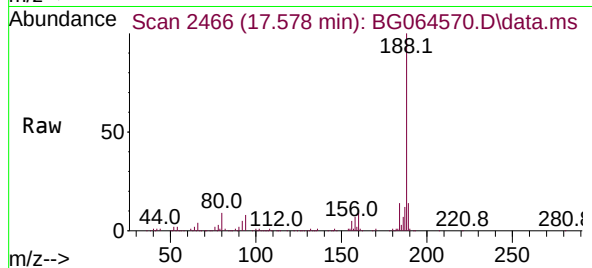
Tgt Ion: 77 Resp: 44729
Ion Ratio Lower Upper
77 100
182 25.7 4.9 44.9
105 21.4 1.3 41.3
51 37.7 19.0 59.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 2467
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDIC005



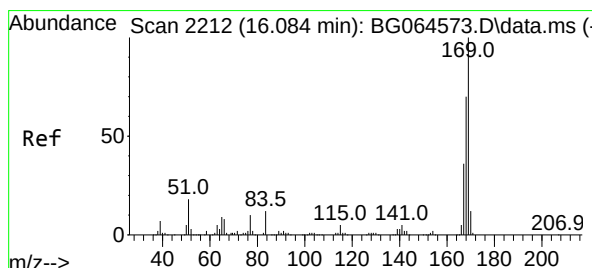
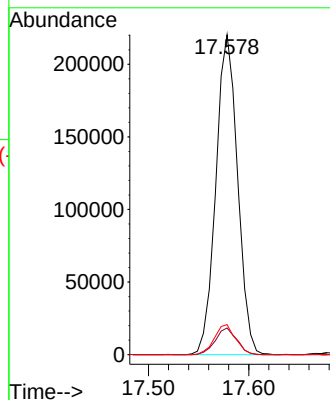
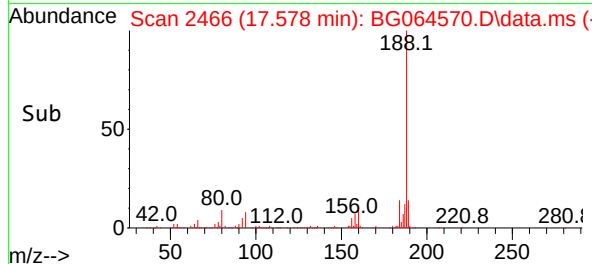
Tgt Ion:188 Resp: 331372
Ion Ratio Lower Upper
188 100
94 8.3 5.7 8.5
80 9.4 6.8 10.2

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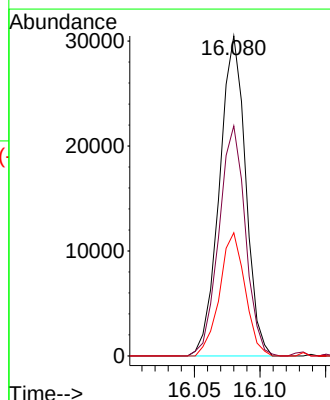
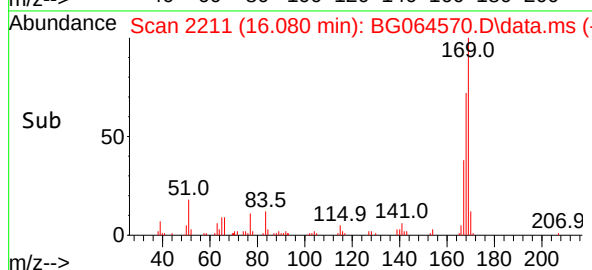
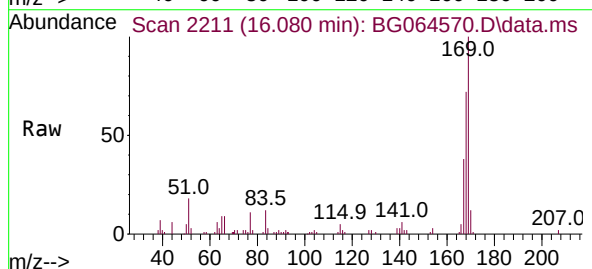
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Supervised By :Jagrut
Upadhyay

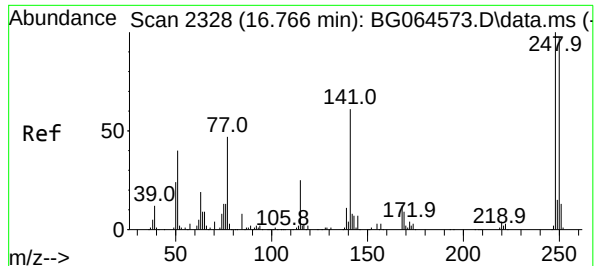
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#66
n-Nitrosodiphenylamine
Concen: 4.725 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

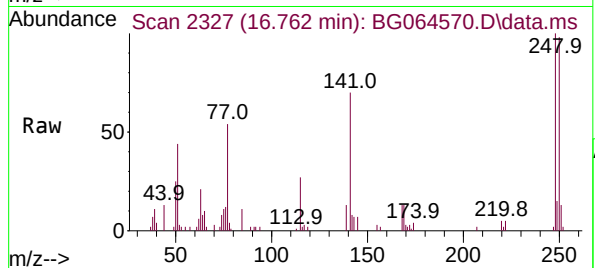
Tgt Ion:169 Resp: 42291
Ion Ratio Lower Upper
169 100
168 71.9 56.3 84.5
167 38.5 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.762 min Scan# 2328
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



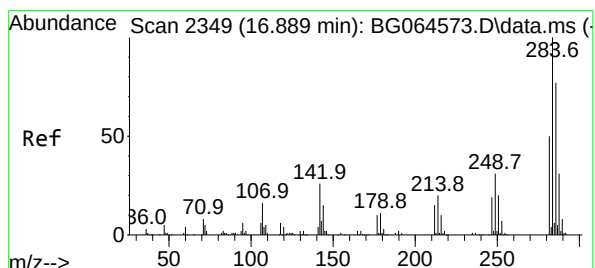
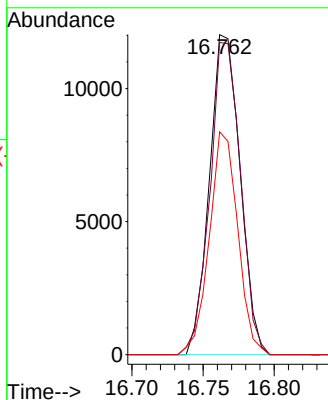
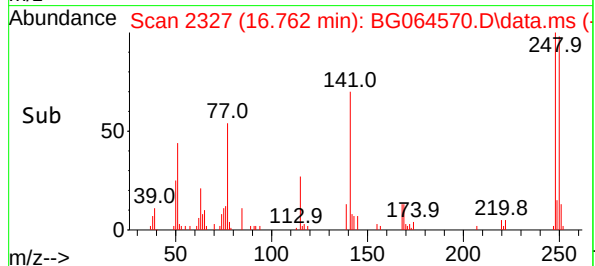
Tgt Ion:248 Resp: 18064
Ion Ratio Lower Upper
248 100
250 97.5 77.7 116.5
141 69.6 48.6 72.8

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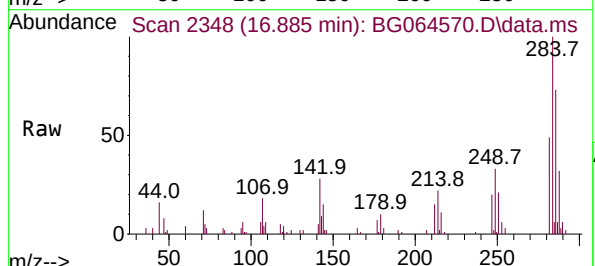
Reviewed By :Rahul
Chavli

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Supervised By :Jagrut
Upadhyay

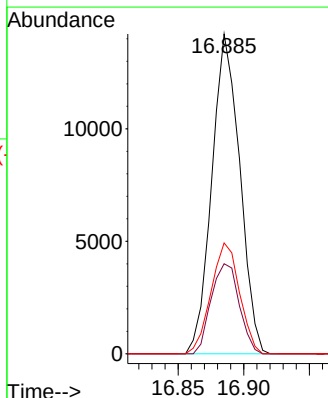
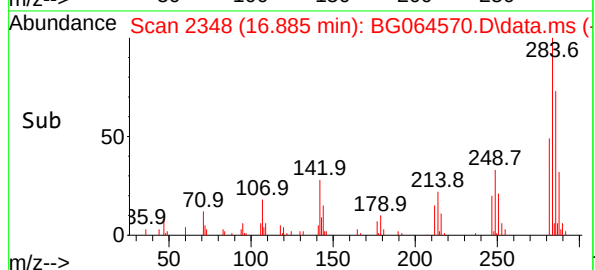
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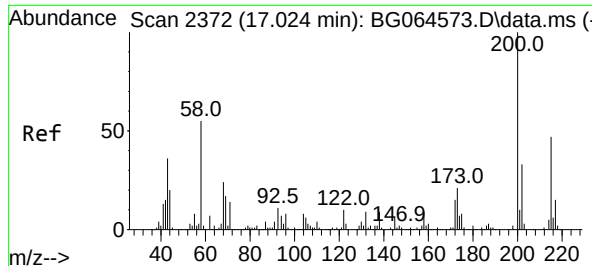


#68
Hexachlorobenzene
Concen: 4.705 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



Tgt Ion:284 Resp: 21076
Ion Ratio Lower Upper
284 100
142 28.2 21.0 31.6
249 34.7 24.9 37.3





#69

Atrazine

Concen: 4.616 ng

RT: 17.014 min Scan# 2372

Delta R.T. -0.014 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDIC005

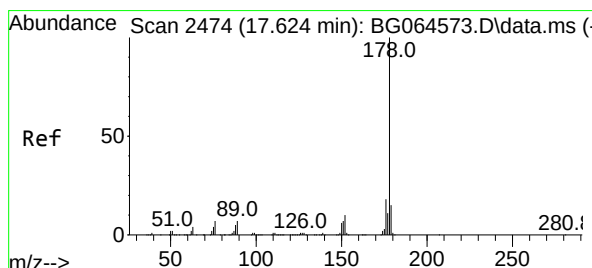
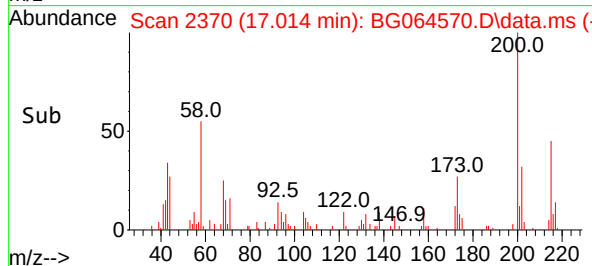
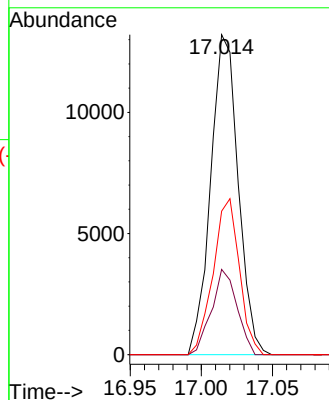
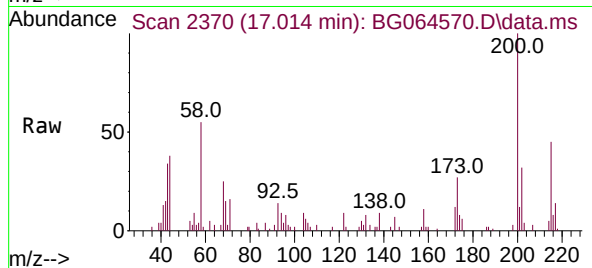
Tgt Ion:	200	Resp:	1778
Ion Ratio	Lower	Upper	
200	100		
173	26.6	0.9	40.9
215	44.8	27.0	67.0

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Upadhyay

10/27/2025



#71

Phenanthrene

Concen: 4.954 ng

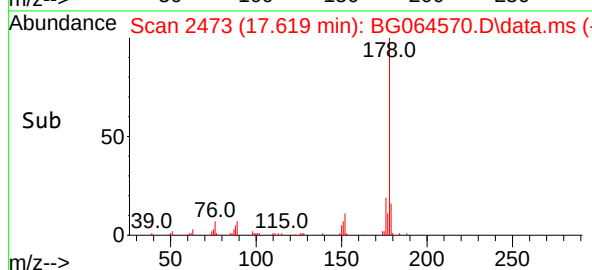
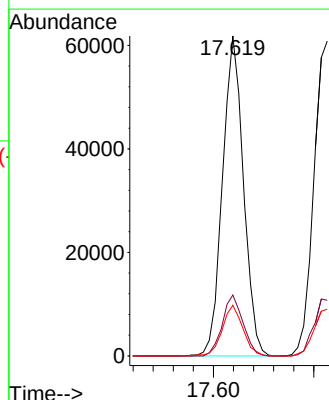
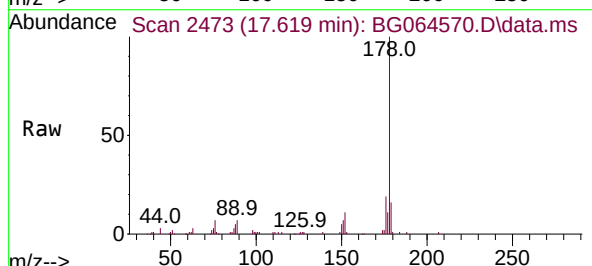
RT: 17.619 min Scan# 2473

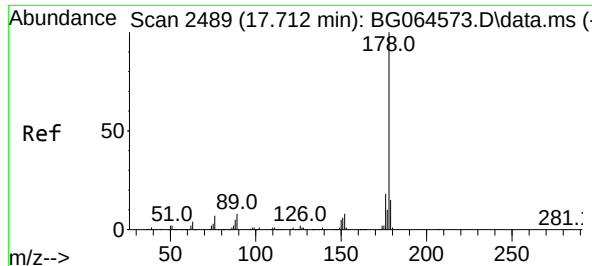
Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

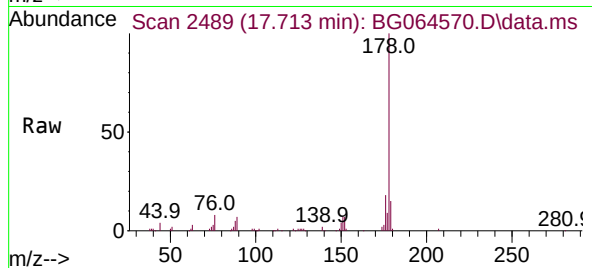
Tgt Ion:	178	Resp:	89771
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.7	22.1
179	15.8	12.2	18.4





#72
Anthracene
Concen: 4.886 ng
RT: 17.713 min Scan# 2489
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



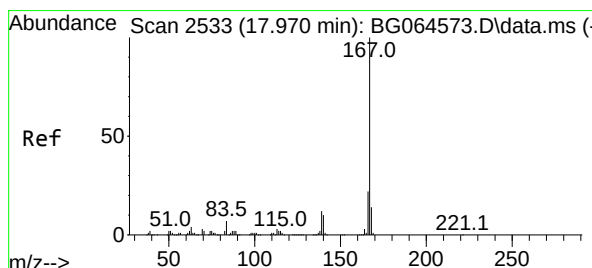
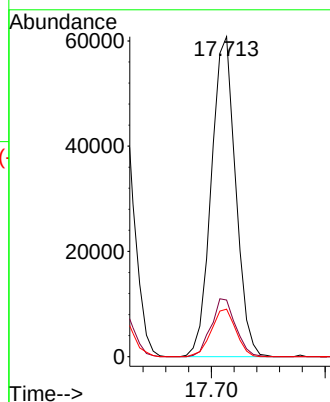
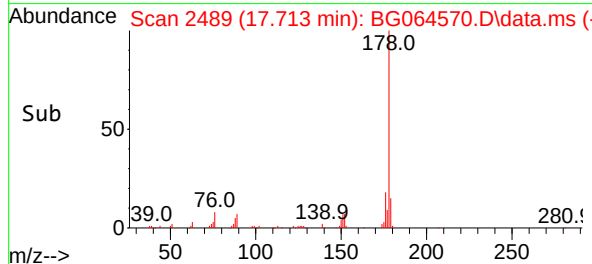
Tgt Ion:178 Resp: 90063
Ion Ratio Lower Upper
178 100
176 17.7 14.4 21.6
179 14.8 12.4 18.6

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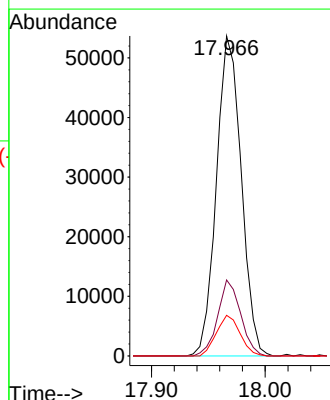
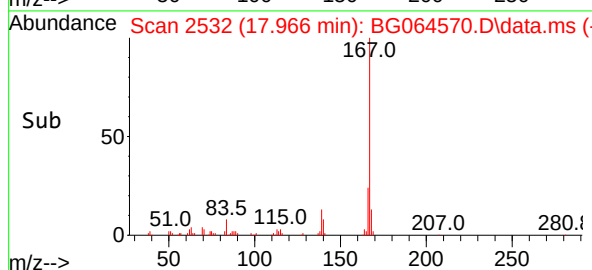
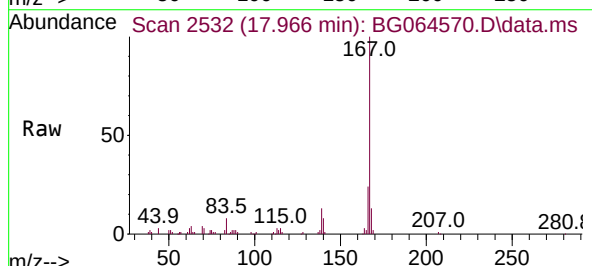
10/27/2025
Supervised By :Jagrut
Upadhyay

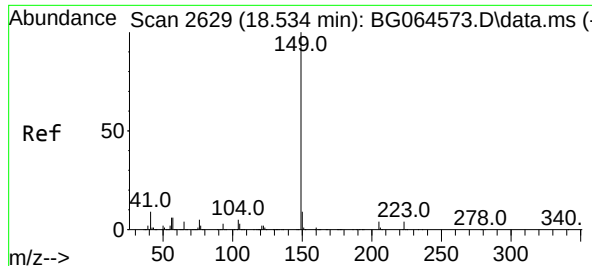
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#73
Carbazole
Concen: 5.005 ng
RT: 17.966 min Scan# 2532
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

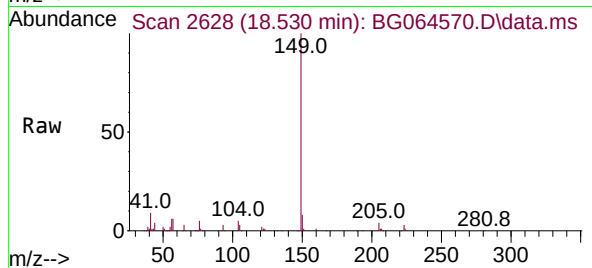
Tgt Ion:167 Resp: 81350
Ion Ratio Lower Upper
167 100
166 23.7 17.9 26.9
139 12.7 9.7 14.5





#74
Di-n-butylphthalate
Concen: 4.454 ng
RT: 18.530 min Scan# 2629
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



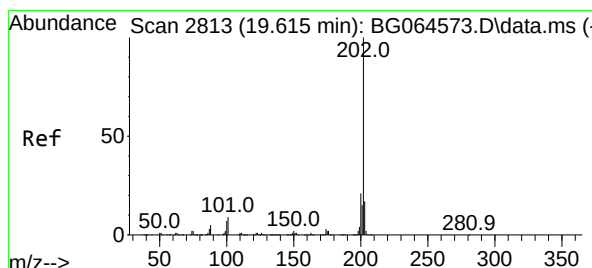
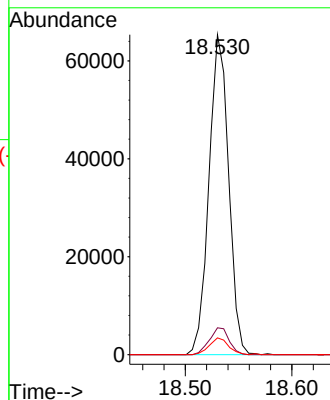
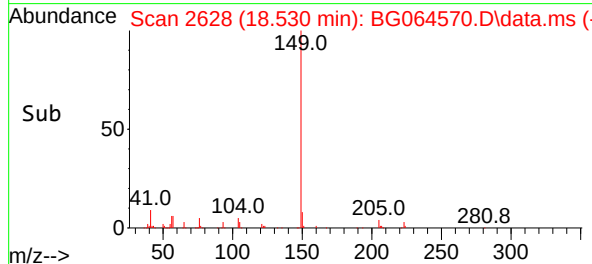
Tgt Ion:149 Resp: 83713
Ion Ratio Lower Upper
149 100
150 8.4 7.0 10.6
104 5.2 4.1 6.1

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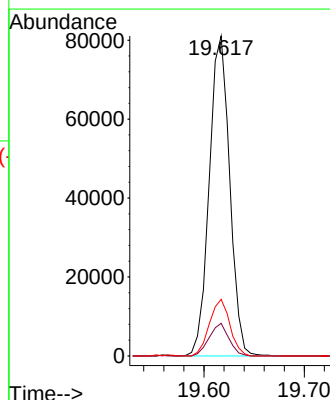
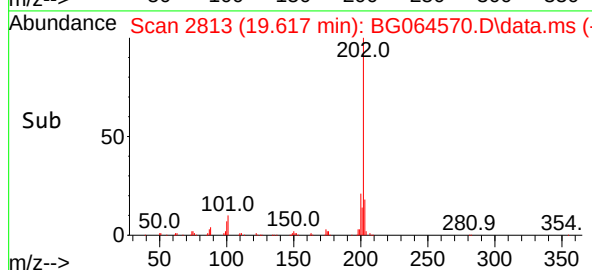
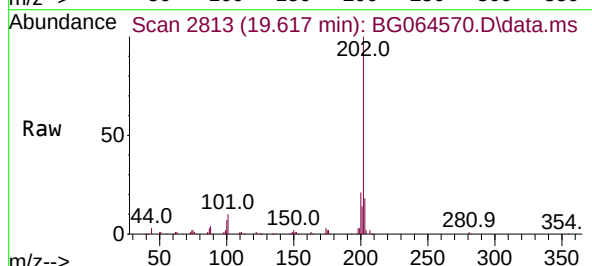
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Supervised By :Jagrut
Upadhyay

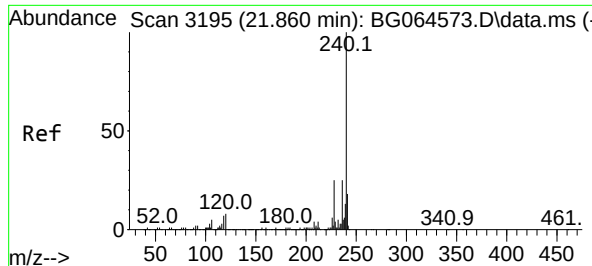
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#75
Fluoranthene
Concen: 5.054 ng
RT: 19.617 min Scan# 2813
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

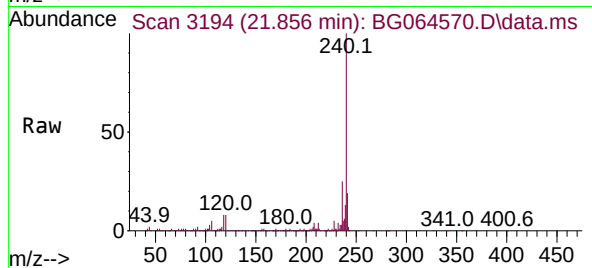
Tgt Ion:202 Resp: 114724
Ion Ratio Lower Upper
202 100
101 10.2 0.0 28.7
203 17.7 0.0 37.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3195
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



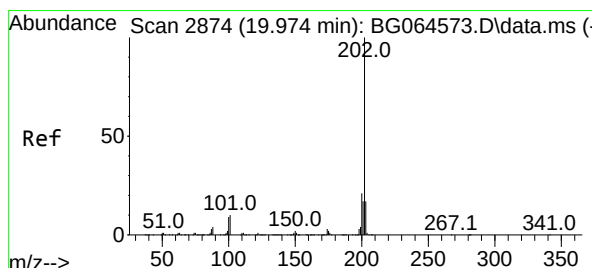
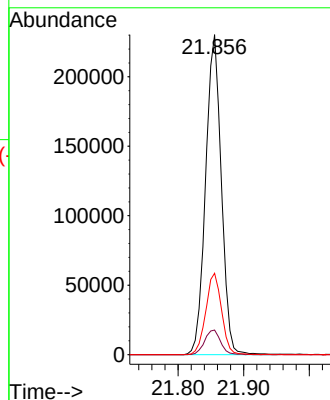
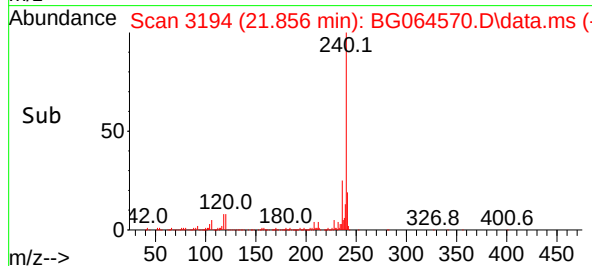
Tgt Ion:240 Resp: 381389
Ion Ratio Lower Upper
240 100
120 7.7 6.5 9.7
236 25.4 20.2 30.2

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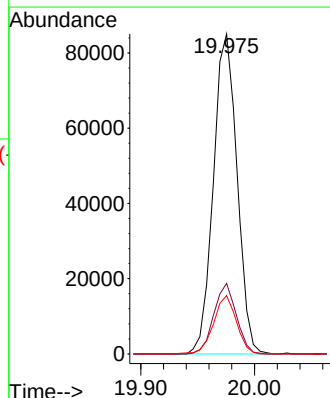
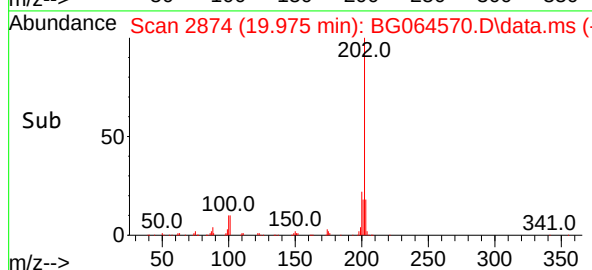
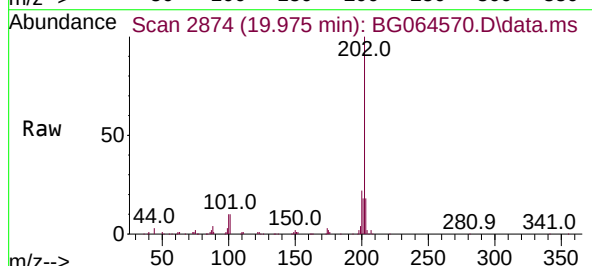
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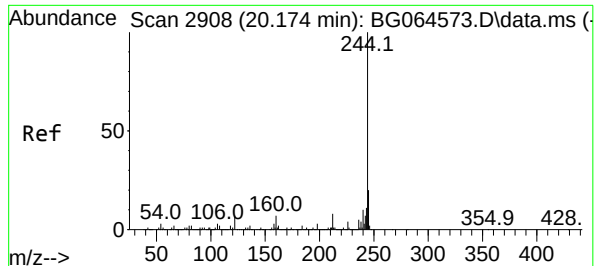
10/27/2025



#78
Pyrene
Concen: 4.923 ng
RT: 19.975 min Scan# 2874
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

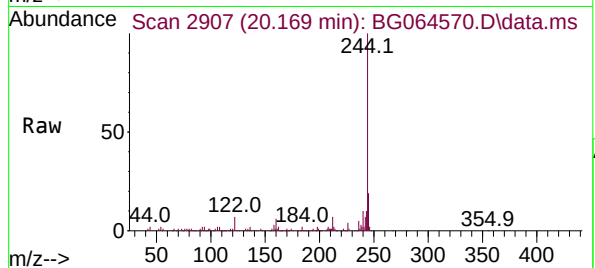
Tgt Ion:202 Resp: 122676
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.4
203 18.2 13.8 20.6





#79
Terphenyl-d14
Concen: 10.130 ng
RT: 20.169 min Scan# 2908
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



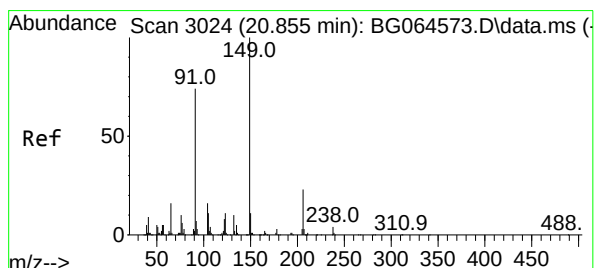
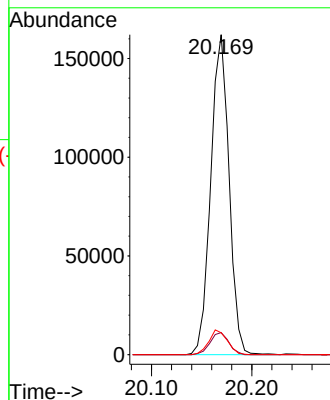
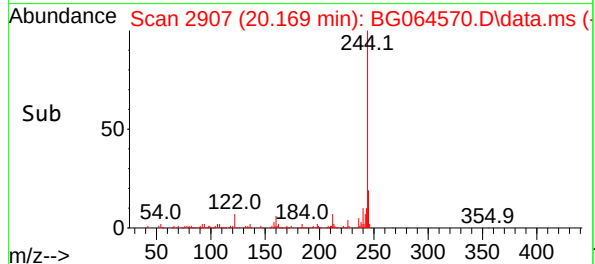
Tgt Ion:244 Resp: 204719
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 6.8 5.6 8.4

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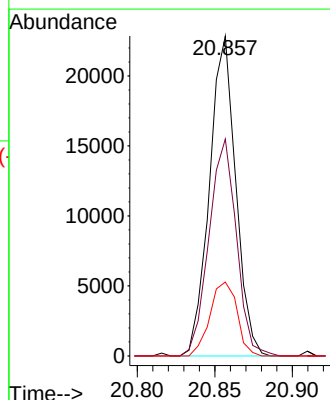
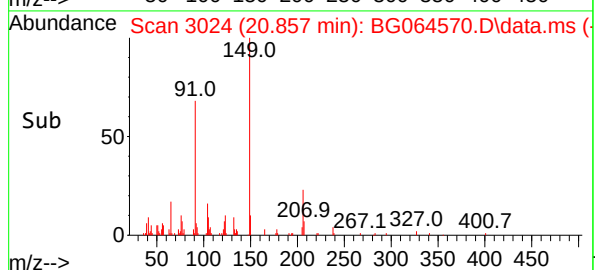
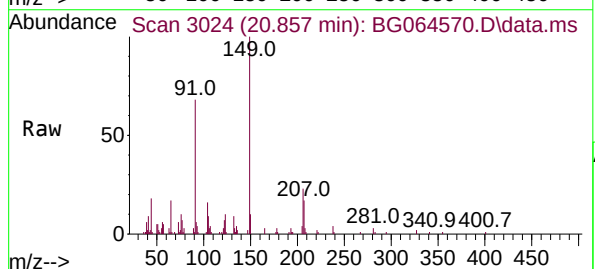
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Supervised By :Jagrut
Upadhyay

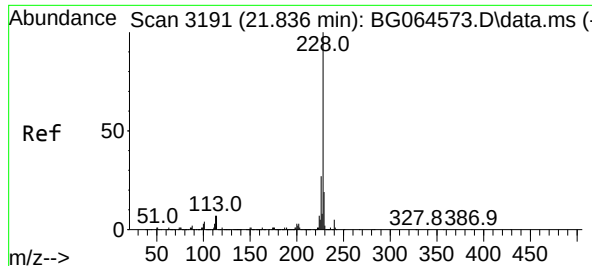
10/27/2025



#80
Butylbenzylphthalate
Concen: 3.595 ng
RT: 20.857 min Scan# 3024
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

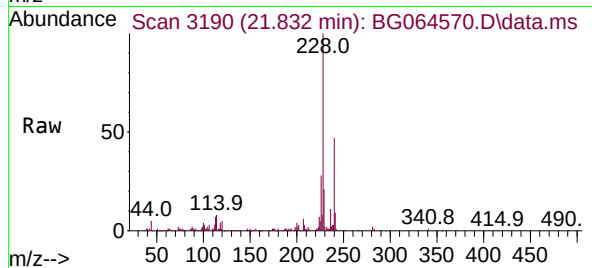
Tgt Ion:149 Resp: 27072
Ion Ratio Lower Upper
149 100
91 67.8 59.2 88.8
206 23.1 18.1 27.1





#81
Benzo(a)anthracene
Concen: 4.878 ng
RT: 21.832 min Scan# 3191
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



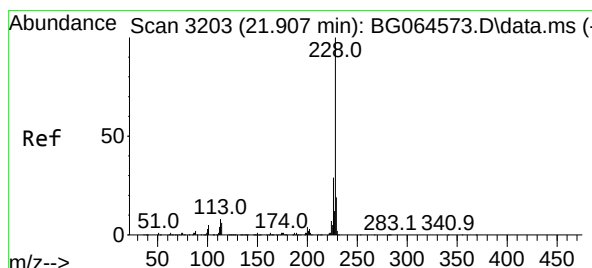
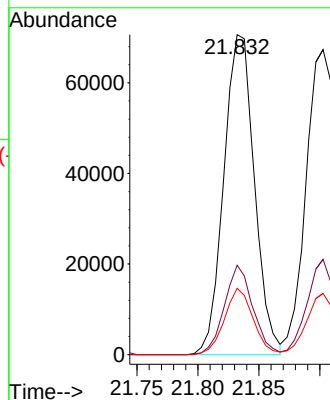
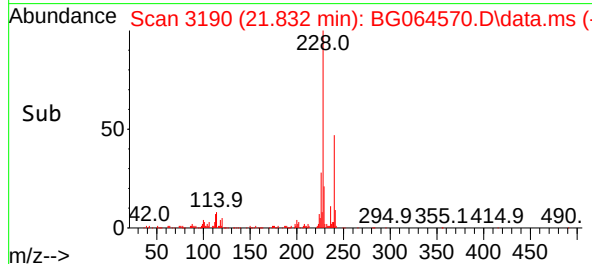
Tgt Ion:228 Resp: 123345
Ion Ratio Lower Upper
228 100
226 27.9 21.9 32.9
229 20.7 15.6 23.4

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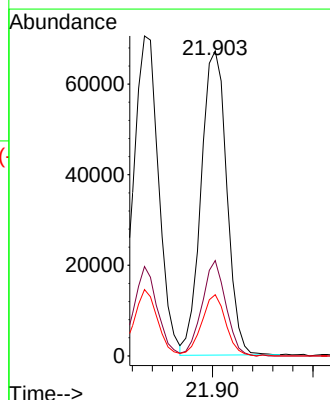
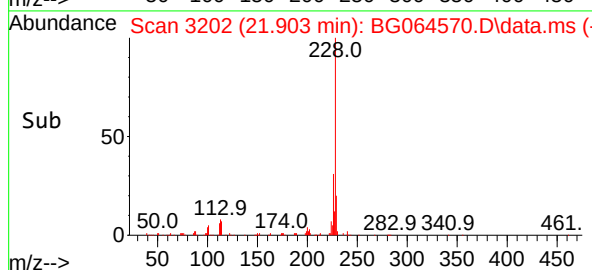
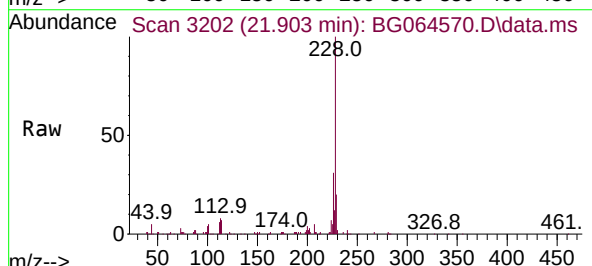
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Supervised By :Jagrut
Upadhyay

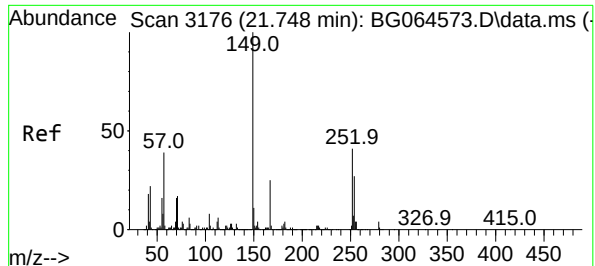
10/27/2025



#83
Chrysene
Concen: 4.949 ng
RT: 21.903 min Scan# 3202
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:228 Resp: 119080
Ion Ratio Lower Upper
228 100
226 31.2 23.3 34.9
229 20.1 15.2 22.8





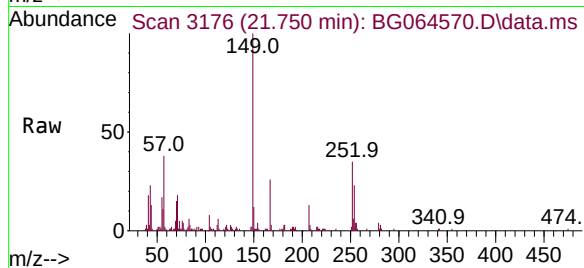
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.098 ng
RT: 21.750 min Scan# 3176
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDIC005



Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.0	30.0
279	4.3	3.1	4.7

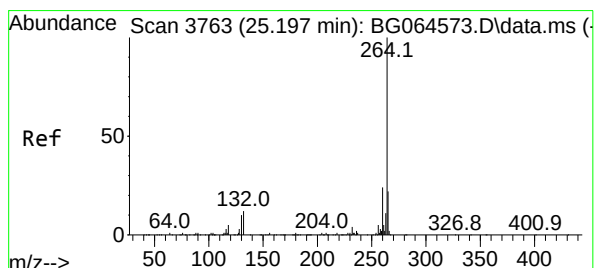
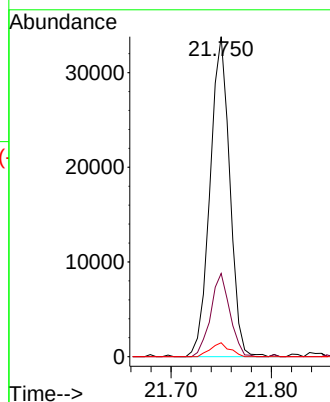
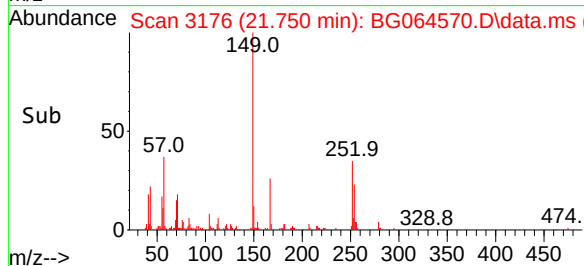
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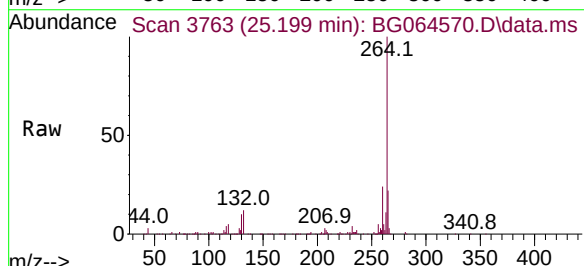
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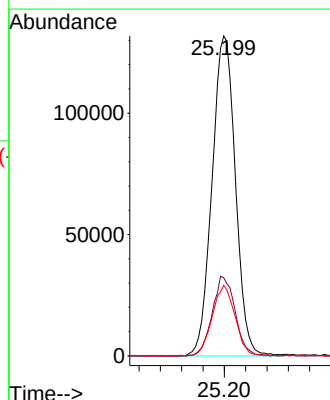
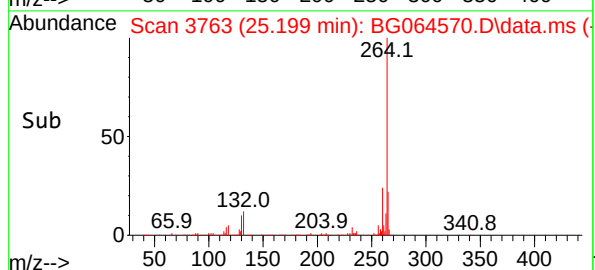
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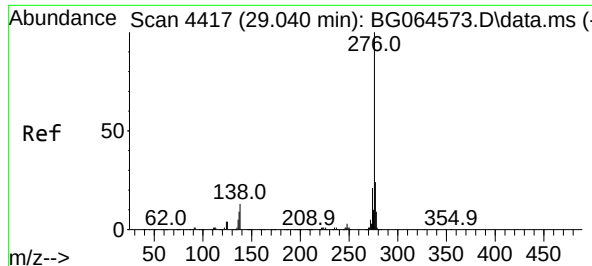


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.199 min Scan# 3763
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



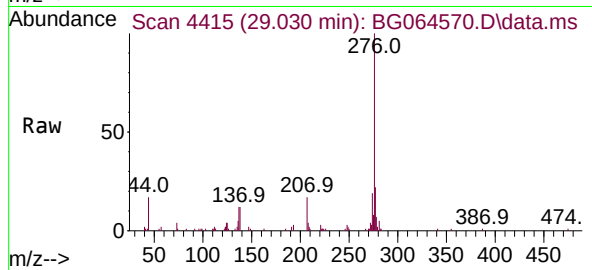
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.1	17.6	26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.700 ng
RT: 29.030 min Scan# 4417
Delta R.T. -0.031 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



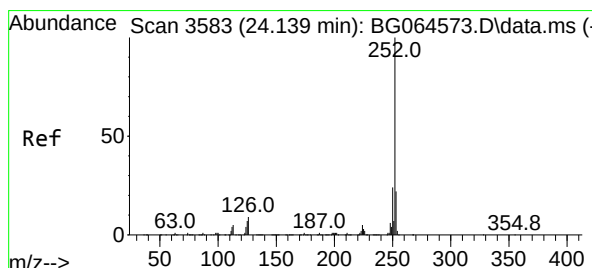
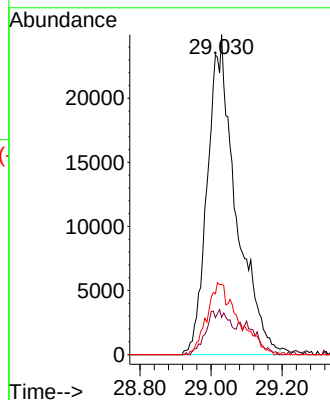
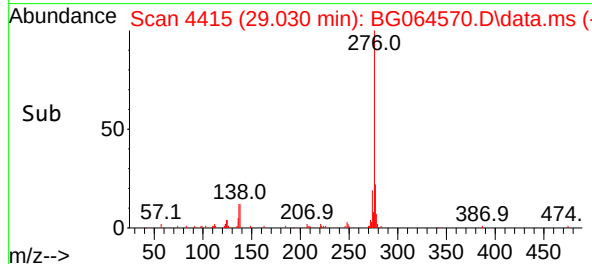
Tgt Ion: 276 Resp: 138758
Ion Ratio Lower Upper
276 100
138 0.0 10.8 16.2
277 24.6 20.1 30.1

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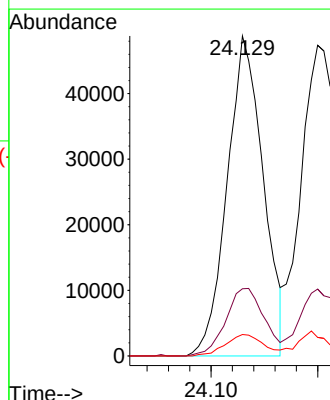
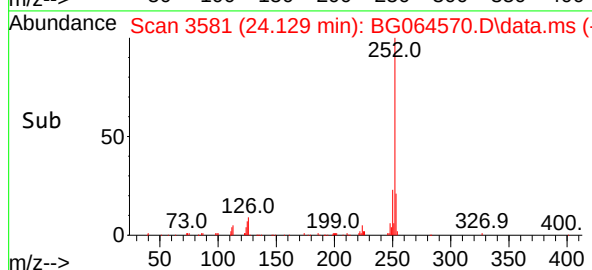
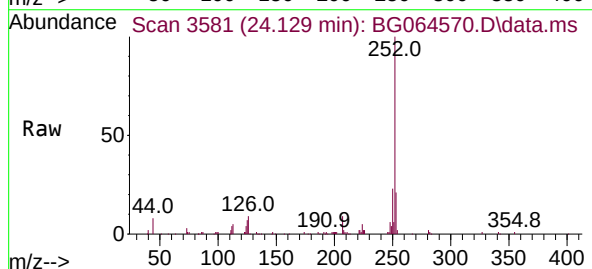
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Upadhyay

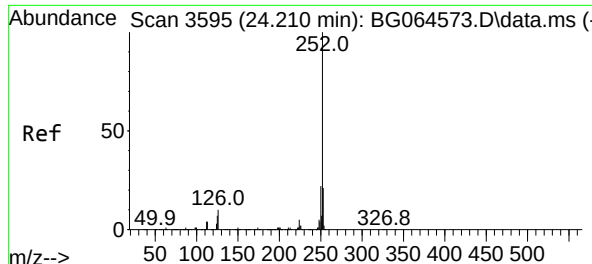
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#88
Benzo(b)fluoranthene
Concen: 4.640 ng
RT: 24.129 min Scan# 3581
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 252 Resp: 114203
Ion Ratio Lower Upper
252 100
253 21.0 17.8 26.8
125 6.7 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 4.787 ng

RT: 24.200 min Scan# 3595

Delta R.T. -0.019 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDIC005

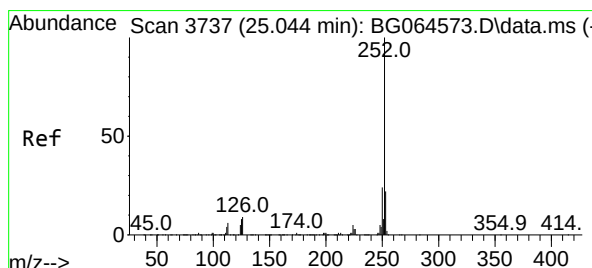
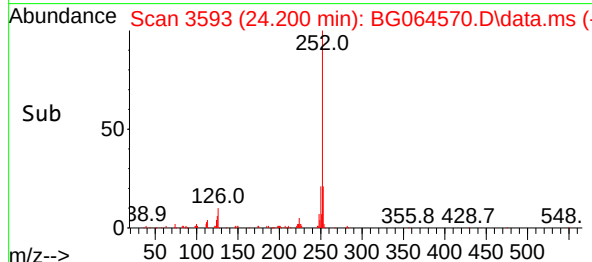
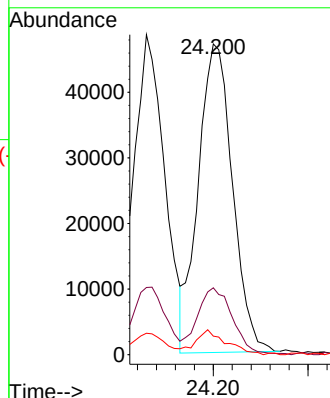
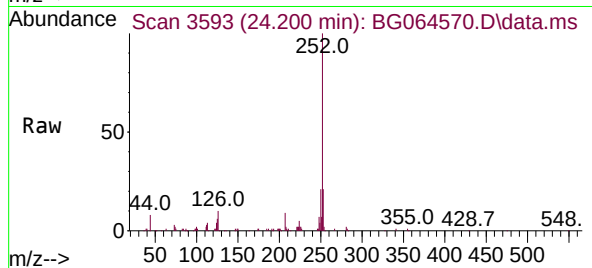
Tgt Ion:	252	Resp:	117893
Ion Ratio	Lower	Upper	
252	100		
253	21.5	16.8	25.2
125	6.0	5.4	8.0

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Upadhyay

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#90

Benzo(a)pyrene

Concen: 4.704 ng

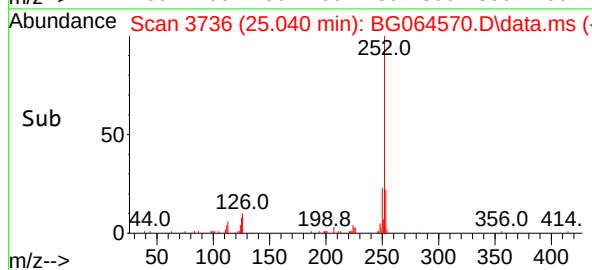
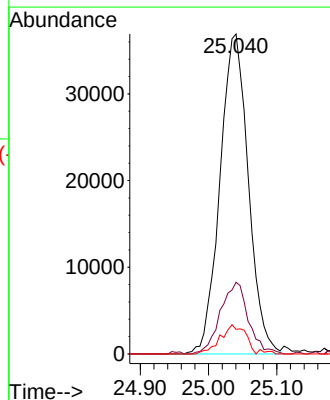
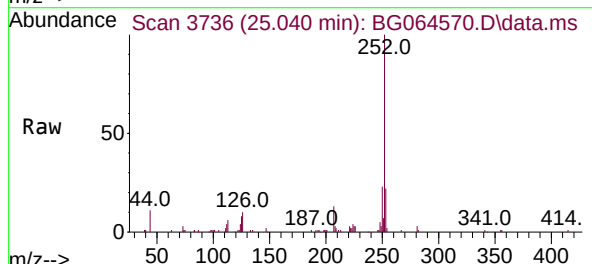
RT: 25.040 min Scan# 3736

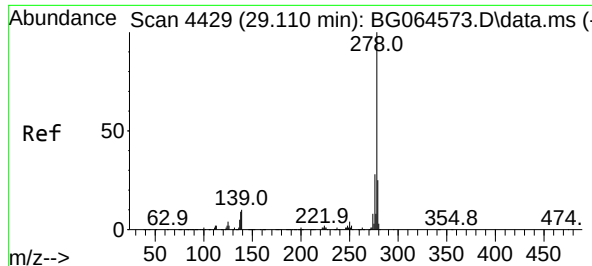
Delta R.T. -0.020 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion:	252	Resp:	106414
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.6	26.4
125	7.7	6.1	9.1





#91

Dibenzo(a,h)anthracene

Concen: 4.686 ng

RT: 29.100 min Scan# 4429

Delta R.T. -0.037 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

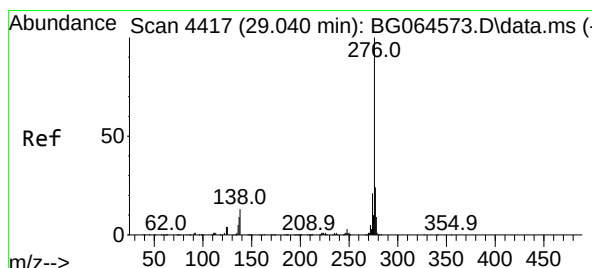
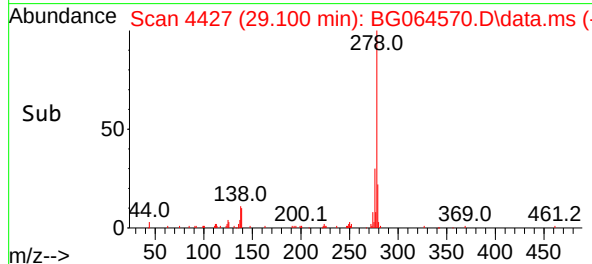
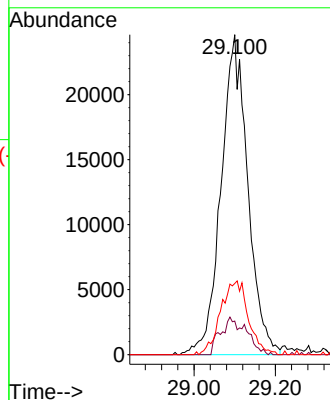
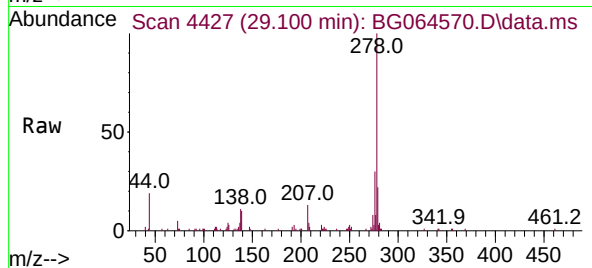
ClientSampleId :

SSTDICC005

Tgt Ion:	278	Resp:	112398
Ion Ratio	Lower	Upper	
278	100		
139	10.5	8.0	12.0
279	22.2	19.8	29.6

Manual Integrations
APPROVEDReviewed By :Rahul
Chavli10/27/2025
Supervised By :Jagrut
Upadhyay

10/27/2025



#92

Benzo(g,h,i)perylene

Concen: 4.700 ng

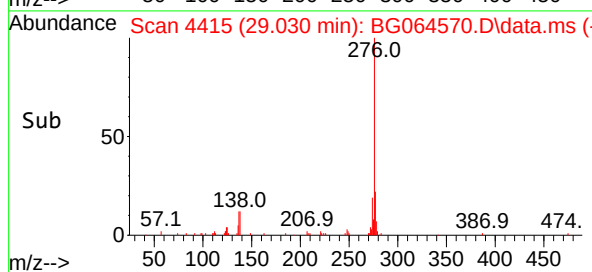
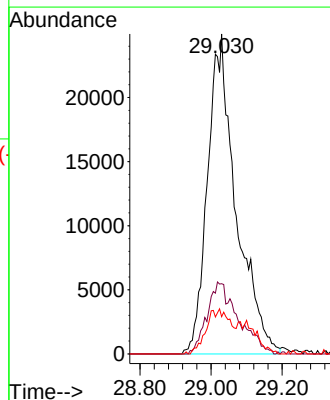
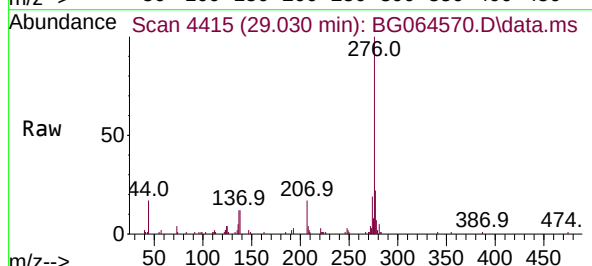
RT: 29.030 min Scan# 4415

Delta R.T. -0.031 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion:	276	Resp:	138758
Ion Ratio	Lower	Upper	
276	100		
277	21.9	19.2	28.8
138	11.6	10.7	16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064571.D
 Acq On : 24 Oct 2025 11:02
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:10:56 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	36324	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	151627	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	117618	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	300549	20.000	ng	0.00
76) Chrysene-d12	21.855	240	343958	20.000	ng	0.00
86) Perylene-d12	25.198	264	354939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	43837	20.257	ng	0.00
7) Phenol-d6	7.348	99	60084	20.233	ng	0.00
23) Nitrobenzene-d5	9.381	82	43376	17.182	ng	0.00
42) 2,4,6-Tribromophenol	16.314	330	31236	18.400	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	163340	21.050	ng	0.00
79) Terphenyl-d14	20.168	244	385094	21.129	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.588	88	10545	11.006	ng	97
3) Pyridine	3.999	79	29199	10.148	ng	95
4) n-Nitrosodimethylamine	3.905	42	16561	10.733	ng	# 92
6) Aniline	7.530	93	42134	10.427	ng	97
8) 2-Chlorophenol	7.777	128	21922	9.678	ng	96
9) Benzaldehyde	7.342	77	17117	10.558	ng	94
10) Phenol	7.372	94	33058	10.066	ng	87
11) bis(2-Chloroethyl)ether	7.530	93	42134	10.427	ng	100
12) 1,3-Dichlorobenzene	8.112	146	27537	10.562	ng	98
13) 1,4-Dichlorobenzene	8.253	146	28081	10.593	ng	91
14) 1,2-Dichlorobenzene	8.576	146	27577	10.785	ng	96
15) Benzyl Alcohol	8.447	79	23263	9.500	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.741	45	65452	10.334	ng	97
17) 2-Methylphenol	8.441	107	12176	9.947	ng	91
18) Hexachloroethane	9.322	117	9723	10.452	ng	93
19) n-Nitroso-di-n-propyla...	9.017	70	20724	10.098	ng	# 98
20) 3+4-Methylphenols	8.970	107	30009	9.786	ng	95
22) Acetophenone	9.040	105	42851	10.338	ng	# 93
24) Nitrobenzene	9.422	77	23618	8.602	ng	98
25) Isophorone	9.951	82	60347	9.962	ng	98
26) 2-Nitrophenol	10.139	139	7208	9.491	ng	# 91
27) 2,4-Dimethylphenol	10.192	122	22259	9.685	ng	96
28) bis(2-Chloroethoxy)met...	10.433	93	35170	10.197	ng	98
29) 2,4-Dichlorophenol	10.680	162	22643	9.338	ng	94
30) 1,2,4-Trichlorobenzene	10.903	180	27947	10.143	ng	93
31) Naphthalene	11.097	128	86750	10.319	ng	99
32) Benzoic acid	10.245	122	7890m	11.001	ng	
33) 4-Chloroaniline	11.185	127	34581	10.583	ng	97
34) Hexachlorobutadiene	11.390	225	22099	10.256	ng	95
35) Caprolactam	11.931	113	8521	9.162	ng	92
36) 4-Chloro-3-methylphenol	12.289	107	28904	9.916	ng	98
37) 2-Methylnaphthalene	12.689	142	65070	10.543	ng	95
38) 1-Methylnaphthalene	12.906	142	64384	10.601	ng	95
40) 1,2,4,5-Tetrachloroben...	13.053	216	40253	10.197	ng	98
41) Hexachlorocyclopentadiene	13.036	237	15733	8.855	ng	97
43) 2,4,6-Trichlorophenol	13.276	196	19584	8.673	ng	91

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:10:56 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.341	196	24973	9.584	ng	94
46) 1,1'-Biphenyl	13.682	154	85287	10.200	ng	96
47) 2-Chloronaphthalene	13.723	162	63631	10.081	ng	98
48) 2-Nitroaniline	13.905	65	13764	9.284	ng	91
49) Acenaphthylene	14.563	152	101526	10.198	ng	100
50) Dimethylphthalate	14.281	163	92308	10.256	ng	96
51) 2,6-Dinitrotoluene	14.393	165	10601	9.857	ng	87
52) Acenaphthene	14.904	154	69273	10.184	ng	97
53) 3-Nitroaniline	14.722	138	12414	8.026	ng	# 92
54) 2,4-Dinitrophenol	14.922	184	5082	10.760	ng	# 1
55) Dibenzofuran	15.239	168	115990	10.548	ng	97
56) 4-Nitrophenol	15.010	139	11207	7.815	ng	86
57) 2,4-Dinitrotoluene	15.174	165	15797	9.494	ng	# 94
58) Fluorene	15.879	166	91712	10.679	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.450	232	22645	9.088	ng	# 99
60) Diethylphthalate	15.644	149	96719	10.525	ng	98
61) 4-Chlorophenyl-phenyle...	15.873	204	50818	10.544	ng	97
62) 4-Nitroaniline	15.873	138	14819	8.612	ng	95
63) Azobenzene	16.161	77	88441	10.489	ng	97
65) 4,6-Dinitro-2-methylph...	15.938	198	8190	10.919	ng	86
66) n-Nitrosodiphenylamine	16.079	169	82787	10.197	ng	99
67) 4-Bromophenyl-phenylether	16.767	248	35433	9.949	ng	96
68) Hexachlorobenzene	16.884	284	39975	9.838	ng	94
69) Atrazine	17.019	200	34185	9.785	ng	99
70) Pentachlorophenol	17.225	266	19859	7.838	ng	96
71) Phenanthrene	17.618	178	170294	10.361	ng	99
72) Anthracene	17.712	178	171860	10.279	ng	98
73) Carbazole	17.965	167	155907	10.575	ng	99
74) Di-n-butylphthalate	18.529	149	173716	10.189	ng	99
75) Fluoranthene	19.616	202	219838	10.677	ng	98
77) Benzidine	19.781	184	67427	8.750	ng	99
78) Pyrene	19.975	202	228905	10.186	ng	99
80) Butylbenzylphthalate	20.850	149	61669	9.080	ng	94
81) Benzo(a)anthracene	21.831	228	233051	10.219	ng	99
82) 3,3'-Dichlorobenzidine	21.737	252	71951	9.448	ng	94
83) Chrysene	21.902	228	222018	10.231	ng	97
84) Bis(2-ethylhexyl)phtha...	21.749	149	95500	9.410	ng	# 99
85) Di-n-octyl phthalate	23.012	149	149877	8.759	ng	99
87) Indeno(1,2,3-cd)pyrene	29.023	276	264547	10.132	ng	93
88) Benzo(b)fluoranthene	24.128	252	221197	10.163	ng	98
89) Benzo(k)fluoranthene	24.199	252	223674	10.270	ng	98
90) Benzo(a)pyrene	25.033	252	202985	10.146	ng	98
91) Dibenzo(a,h)anthracene	29.099	278	217114	10.235	ng	99
92) Benzo(g,h,i)perylene	29.023	276	264547	10.132	ng	97

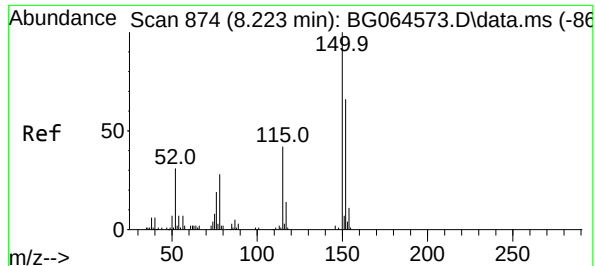
(#)= qualifier out of range (m)= manual integration (+)= signals summed

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

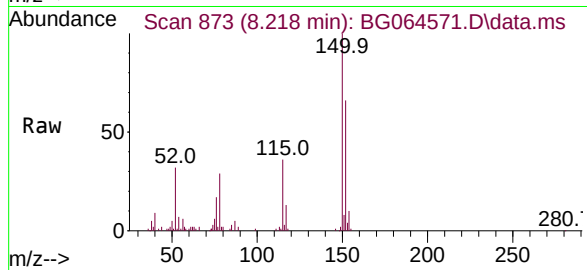
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

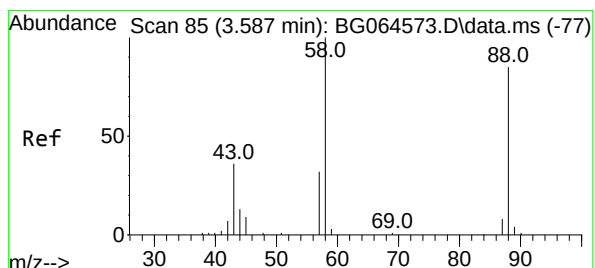
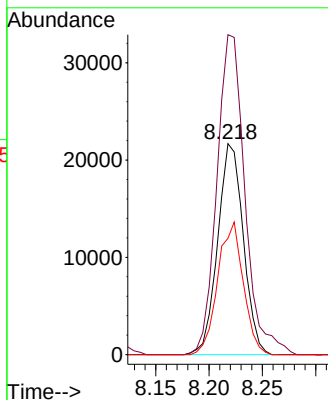
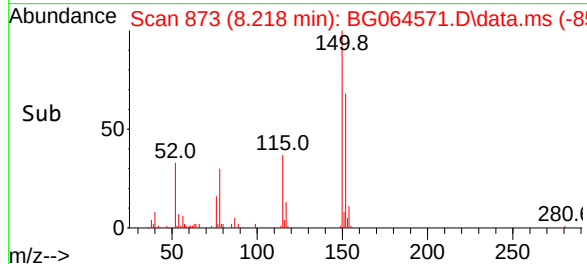
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 36324
Ion Ratio Lower Upper
152 100
150 151.7 122.2 183.4
115 55.1 50.8 76.2

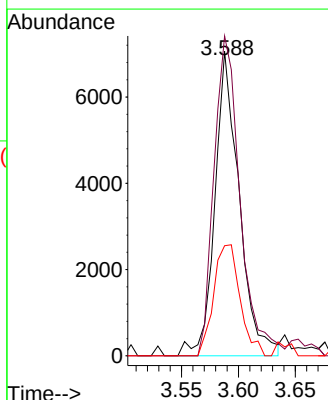
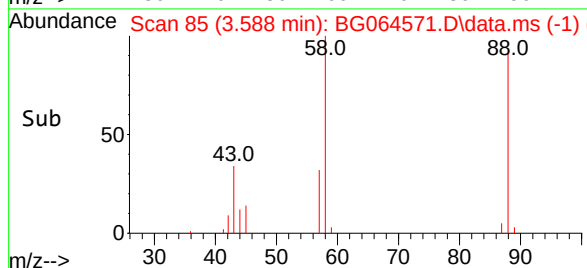
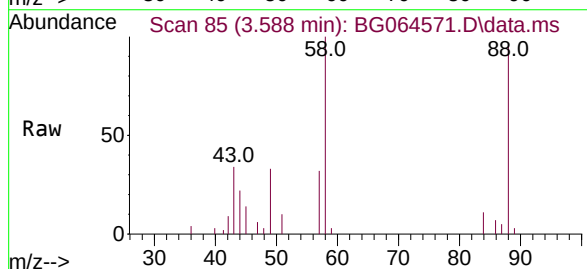
Manual Integrations
APPROVED

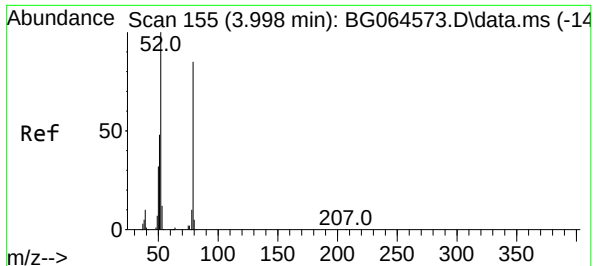
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#2
1,4-Dioxane
Concen: 11.006 ng
RT: 3.588 min Scan# 85
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

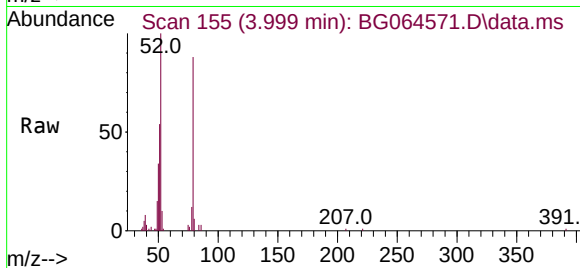
Tgt Ion: 88 Resp: 10545
Ion Ratio Lower Upper
88 100
58 112.0 92.4 138.6
43 39.4 33.0 49.6





#3
Pyridine
Concen: 10.148 ng
RT: 3.999 min Scan# 155
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

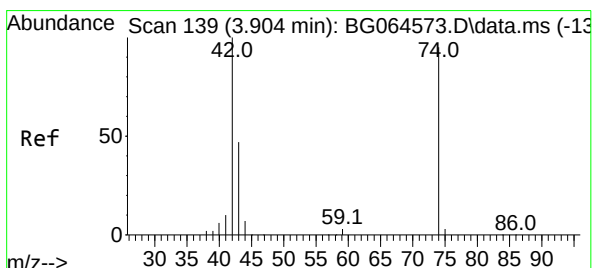
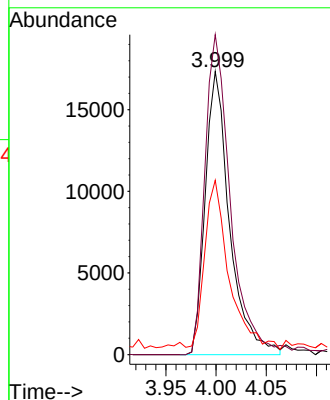
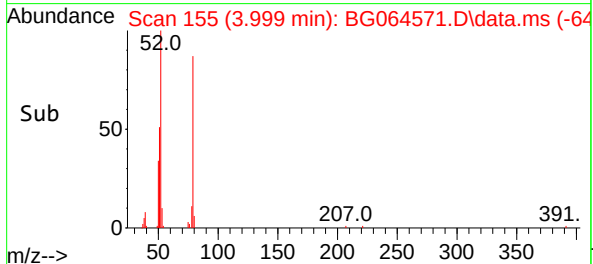
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



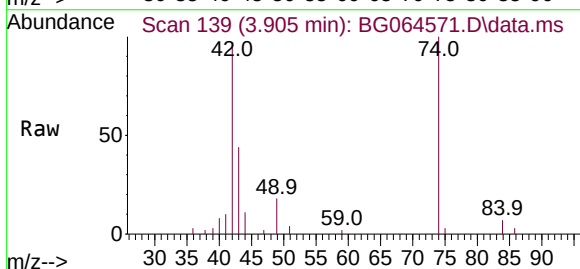
Tgt Ion: 79 Resp: 29199
Ion Ratio Lower Upper
79 100
52 113.0 94.2 141.2
51 61.6 46.1 69.1

Manual Integrations
APPROVED

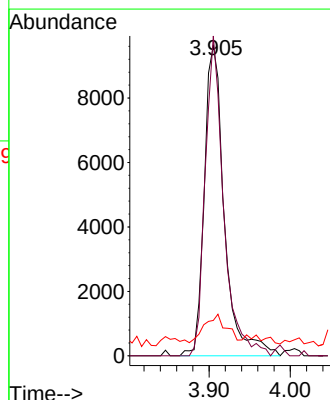
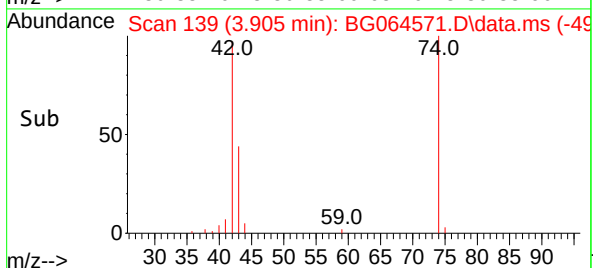
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

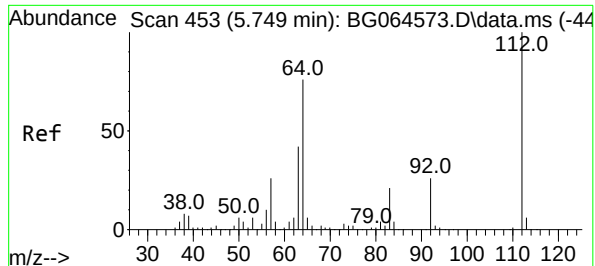


#4
n-Nitrosodimethylamine
Concen: 10.733 ng
RT: 3.905 min Scan# 139
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



Tgt Ion: 42 Resp: 16561
Ion Ratio Lower Upper
42 100
74 103.1 76.1 114.1
44 11.4 6.3 9.5#





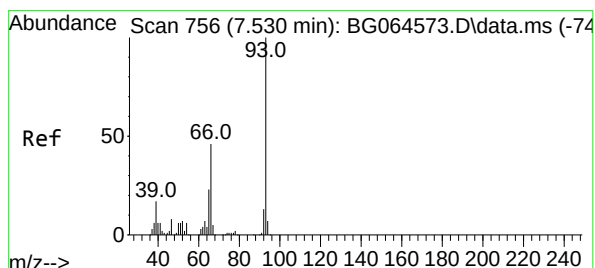
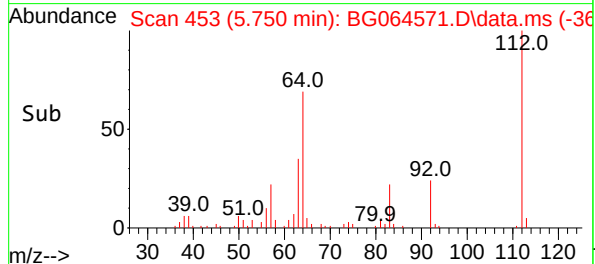
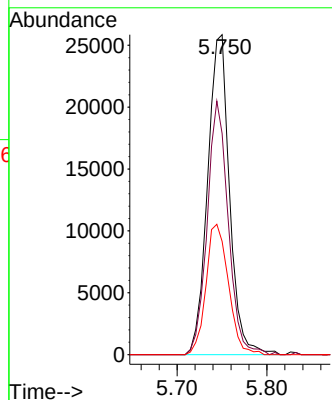
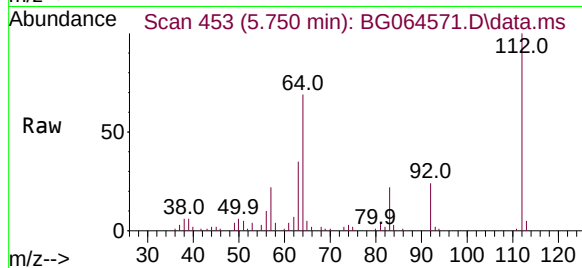
#5
2-Fluorophenol
Concen: 20.257 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 112 Resp: 4383
Ion Ratio Lower Upper
112 100
64 69.1 60.7 91.1
63 35.4 33.4 50.0

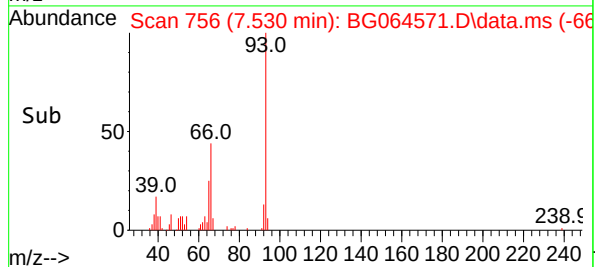
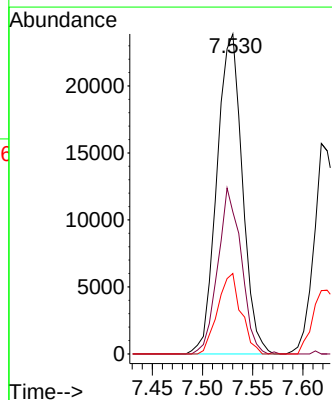
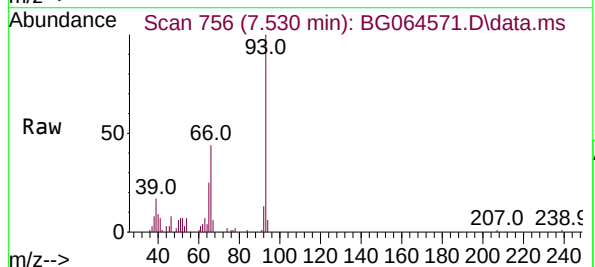
Manual Integrations
APPROVED

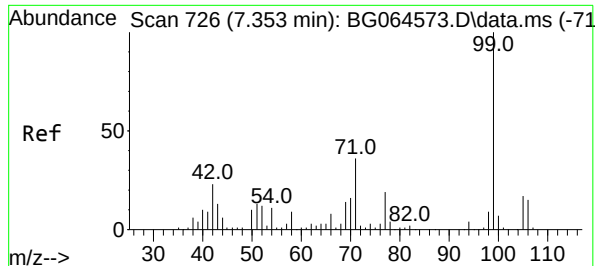
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 10.427 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 42134
Ion Ratio Lower Upper
93 100
66 44.4 37.0 55.6
65 25.1 18.3 27.5





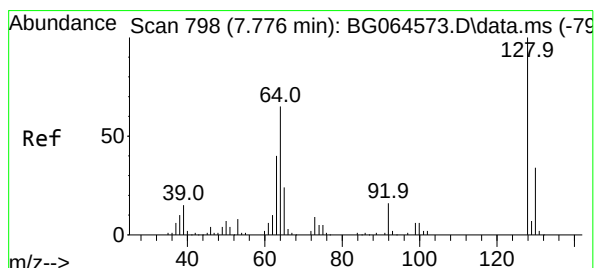
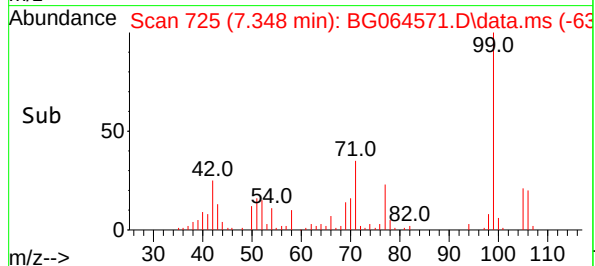
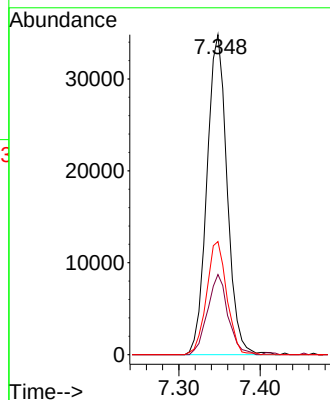
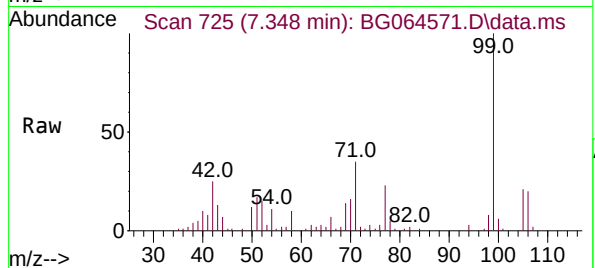
#7
Phenol-d6
Concen: 20.233 ng
RT: 7.348 min Scan# 725
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 60084
Ion Ratio Lower Upper
99 100
42 25.0 18.3 27.5
71 35.3 28.6 43.0

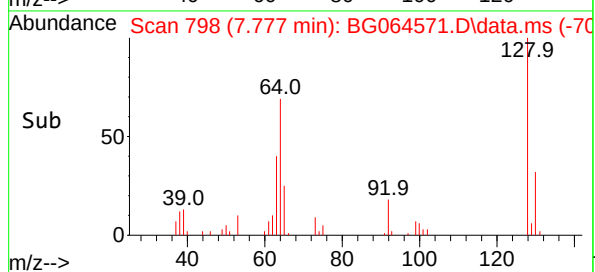
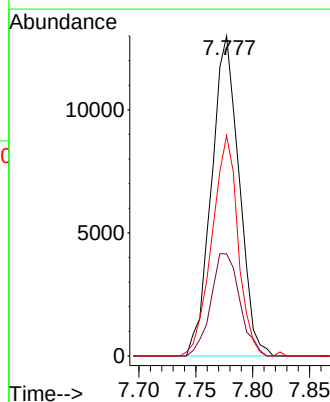
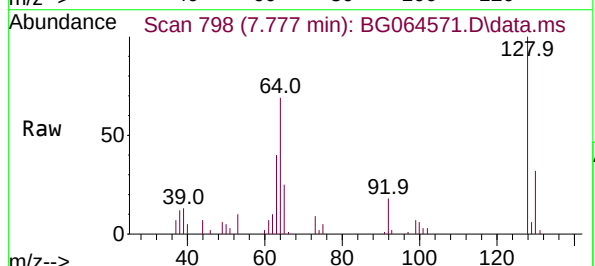
Manual Integrations
APPROVED

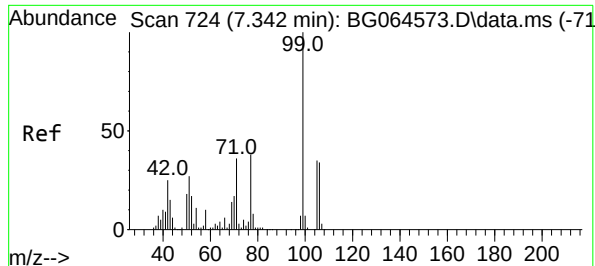
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#8
2-Chlorophenol
Concen: 9.678 ng
RT: 7.777 min Scan# 798
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

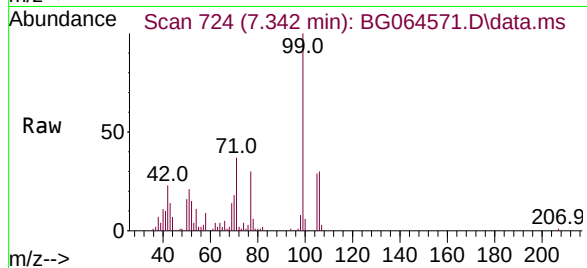
Tgt Ion:128 Resp: 21922
Ion Ratio Lower Upper
128 100
130 31.9 13.5 53.5
64 68.8 45.2 85.2





#9
Benzaldehyde
Concen: 10.558 ng
RT: 7.342 min Scan# 711
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

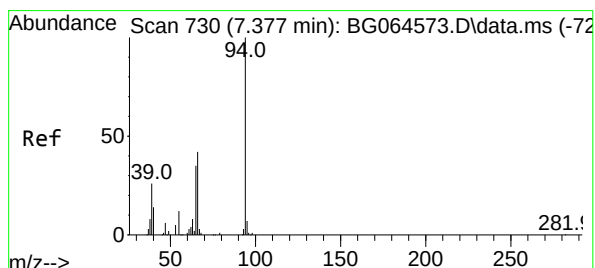
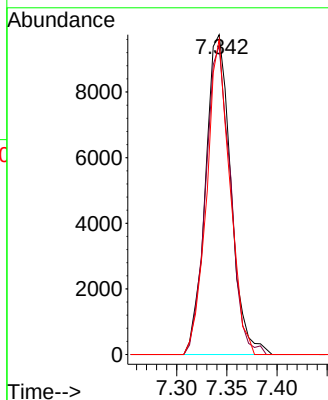
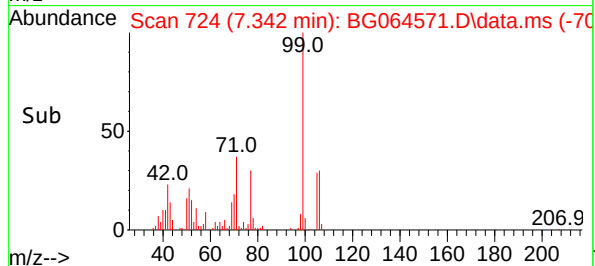
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



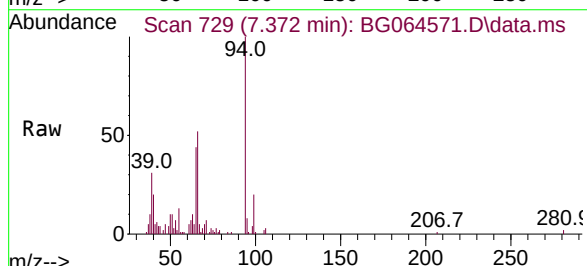
Tgt Ion: 77 Resp: 1711
Ion Ratio Lower Upper
77 100
105 96.5 72.9 112.9
106 98.4 70.8 110.8

Manual Integrations
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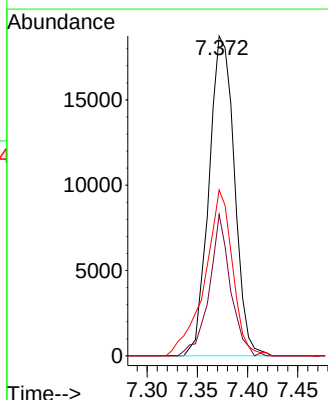
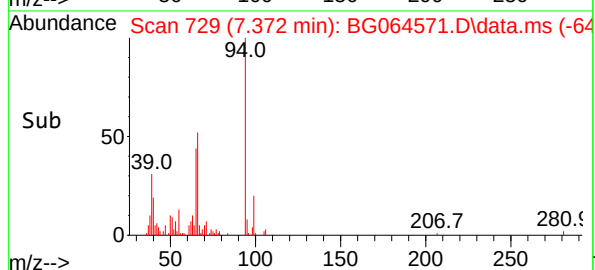
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

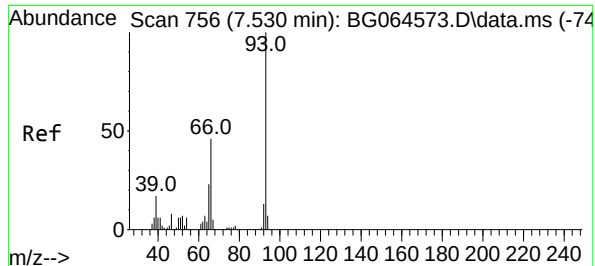


#10
Phenol
Concen: 10.066 ng
RT: 7.372 min Scan# 729
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



Tgt Ion: 94 Resp: 33058
Ion Ratio Lower Upper
94 100
65 44.2 15.8 55.8
66 51.9 24.0 64.0





#11

bis(2-Chloroethyl)ether

Concen: 10.427 ng

RT: 7.530 min Scan# 756

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion: 93 Resp: 42134

Ion Ratio Lower Upper

93 100

63 7.5 0.0 27.4

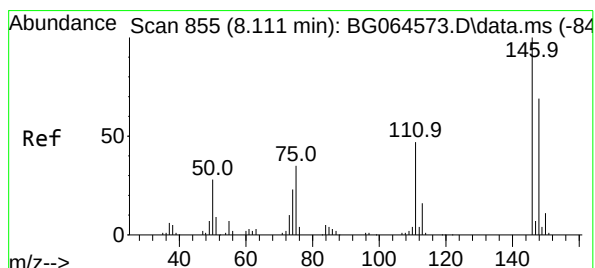
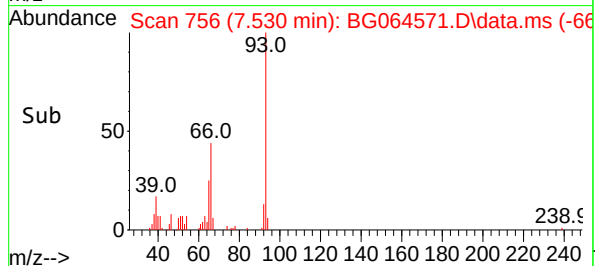
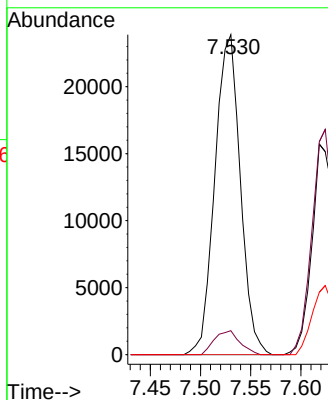
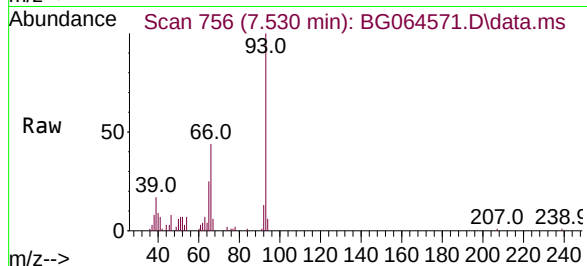
95 0.0 0.0 20.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#12

1,3-Dichlorobenzene

Concen: 10.562 ng

RT: 8.112 min Scan# 855

Delta R.T. 0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

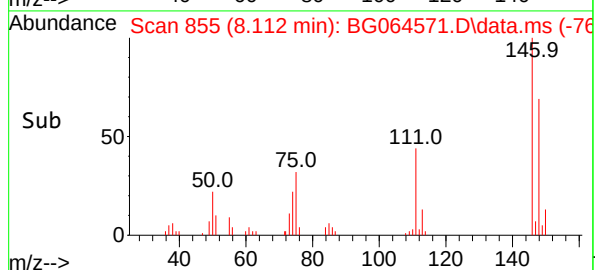
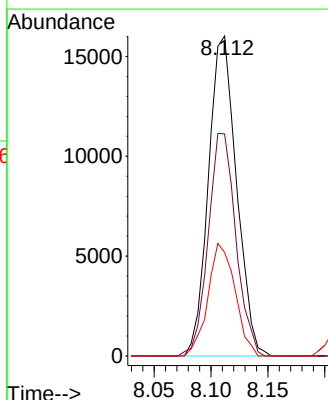
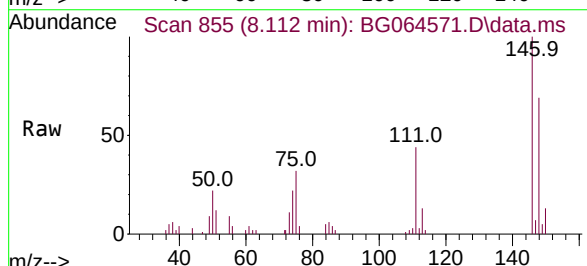
Tgt Ion:146 Resp: 27537

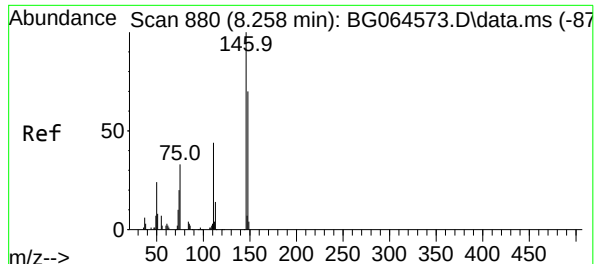
Ion Ratio Lower Upper

146 100

148 69.4 55.3 82.9

75 32.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 10.593 ng

RT: 8.253 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

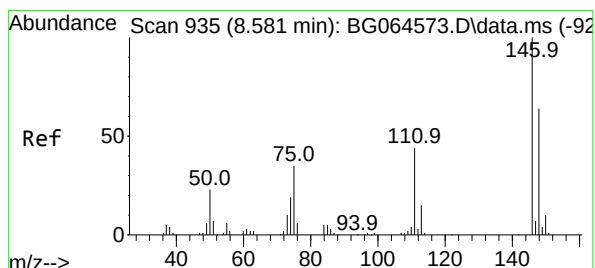
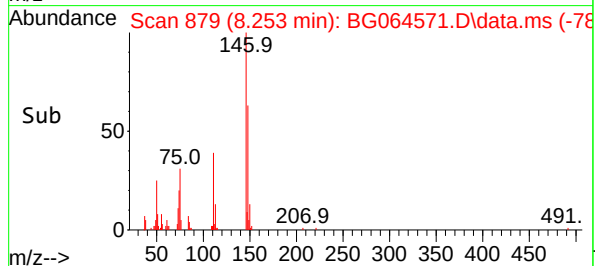
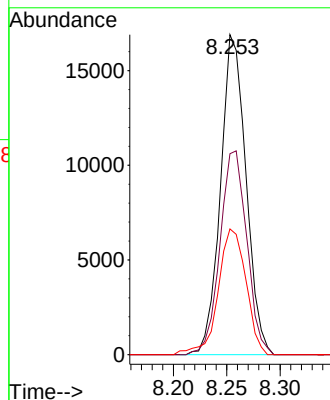
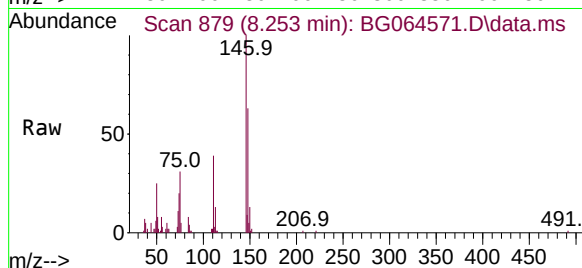
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	56.2	84.4
111	39.3	35.4	53.0

Manual Integrations
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Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 10.785 ng

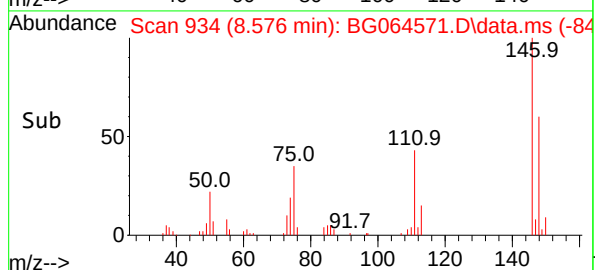
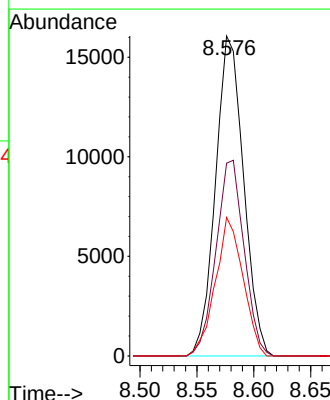
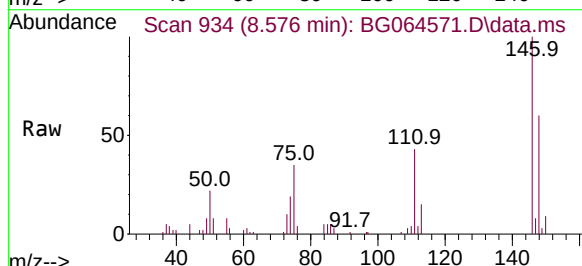
RT: 8.576 min Scan# 934

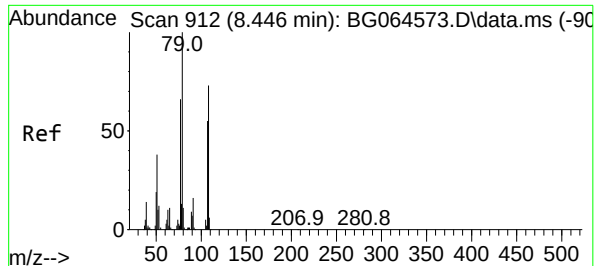
Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.2	51.5	77.3
111	43.3	35.0	52.6





#15

Benzyl Alcohol

Concen: 9.500 ng

RT: 8.447 min Scan# 912

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 23263

Ion Ratio Lower Upper

79 100

108 76.3 58.1 87.1

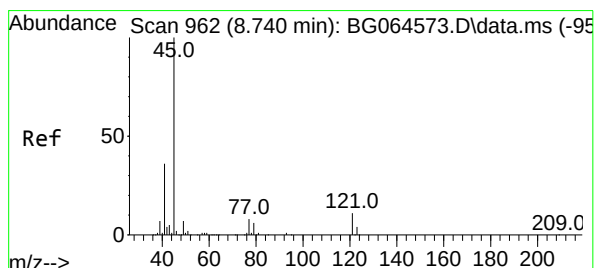
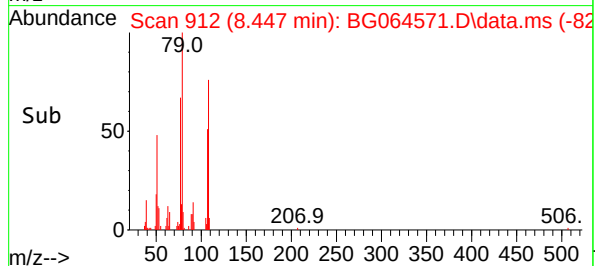
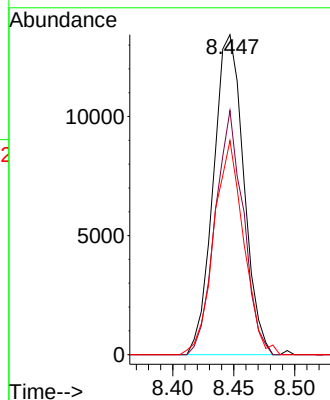
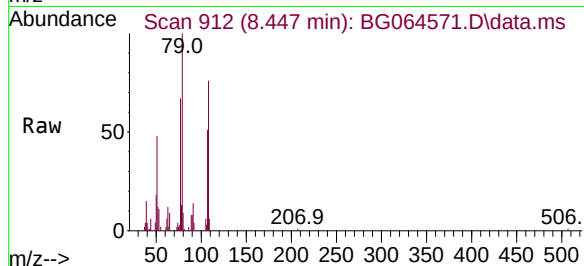
77 66.9 52.8 79.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.334 ng

RT: 8.741 min Scan# 962

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

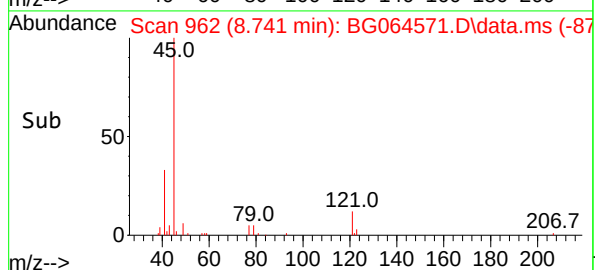
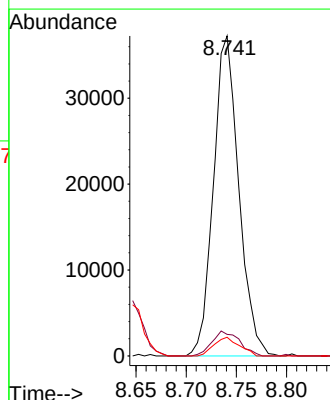
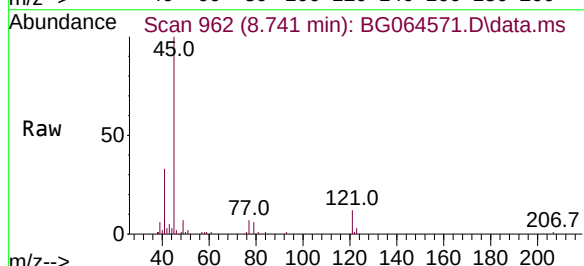
Tgt Ion: 45 Resp: 65452

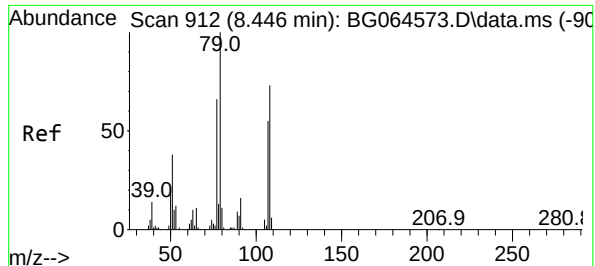
Ion Ratio Lower Upper

45 100

77 6.7 0.0 28.5

79 5.8 0.0 25.6





#17

2-Methylphenol

Concen: 9.947 ng

RT: 8.441 min Scan# 911

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:107 Resp: 12176

Ion Ratio Lower Upper

107 100

108 117.1 106.4 159.6

77 105.6 96.7 145.1

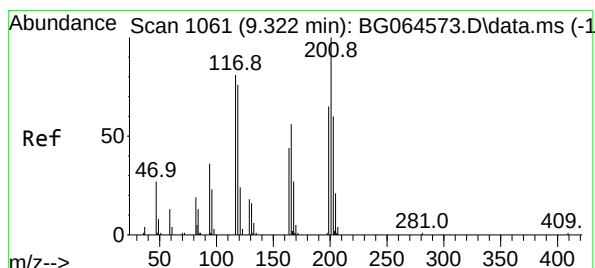
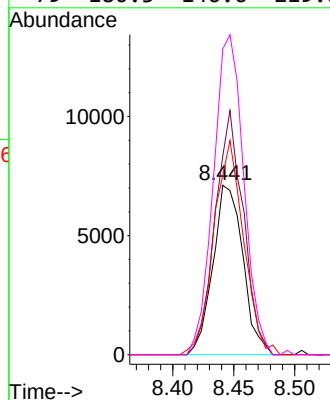
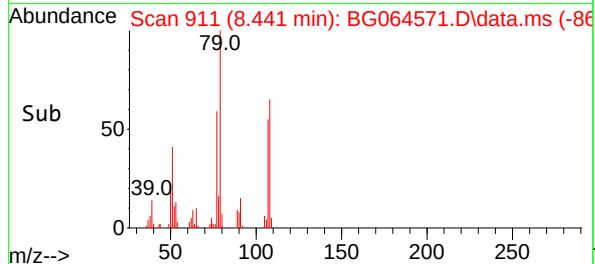
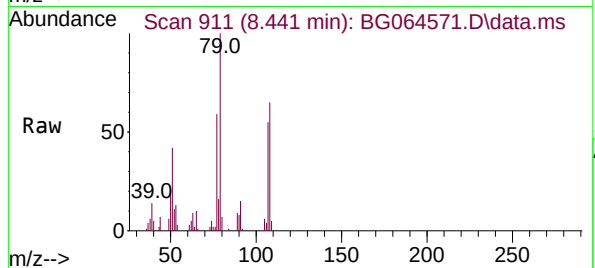
79 180.3 146.6 219.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 10.452 ng

RT: 9.322 min Scan# 1061

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

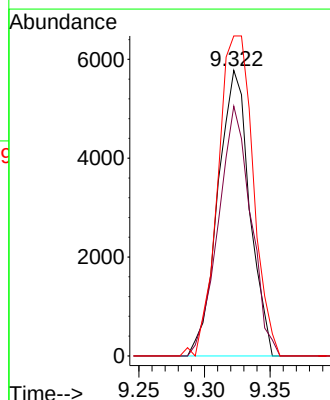
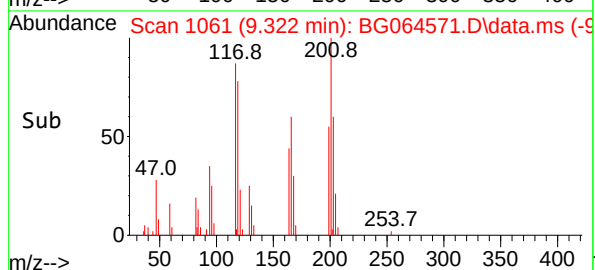
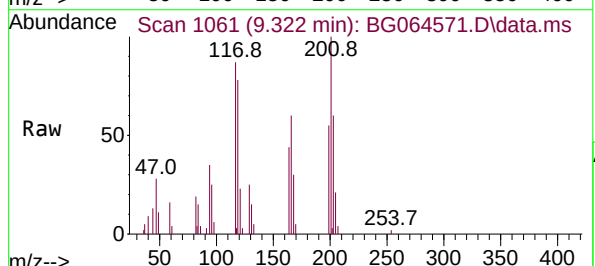
Tgt Ion:117 Resp: 9723

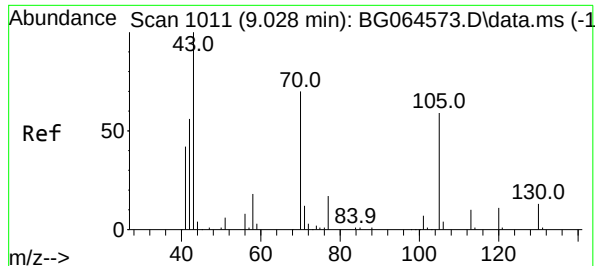
Ion Ratio Lower Upper

117 100

119 87.5 75.4 113.2

201 115.2 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 10.098 ng

RT: 9.017 min Scan# 1009

Delta R.T. -0.015 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 20724

Ion Ratio Lower Upper

70 100

42 80.3 65.2 97.8

101 7.6 7.9 11.9

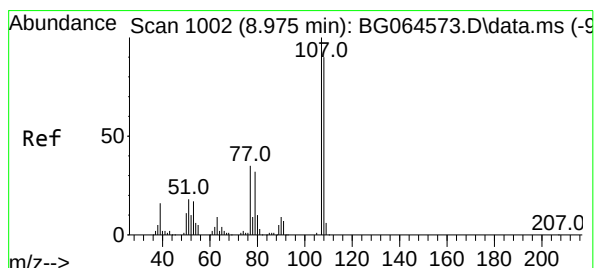
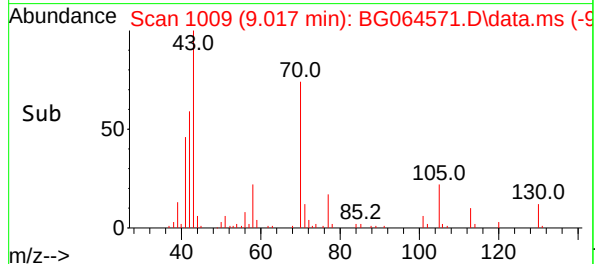
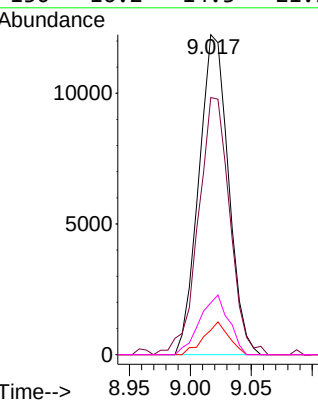
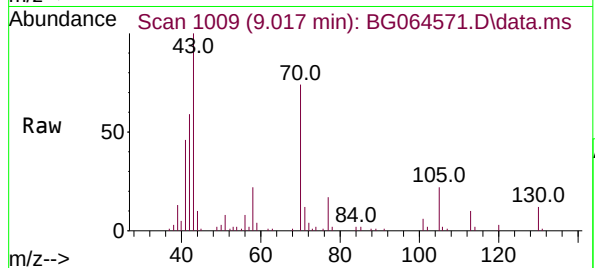
130 16.2 14.3 21.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 9.786 ng

RT: 8.970 min Scan# 1001

Delta R.T. -0.015 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 30009

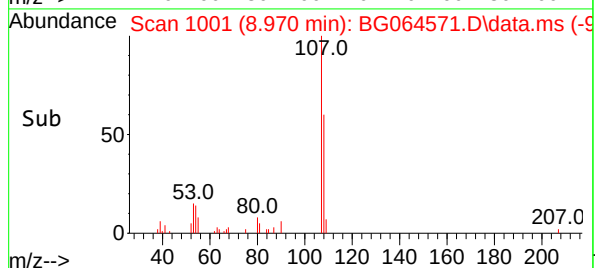
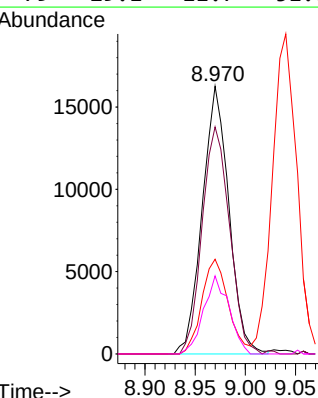
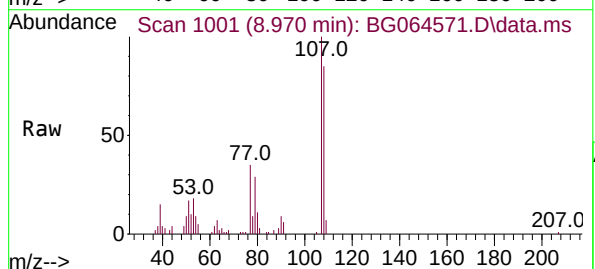
Ion Ratio Lower Upper

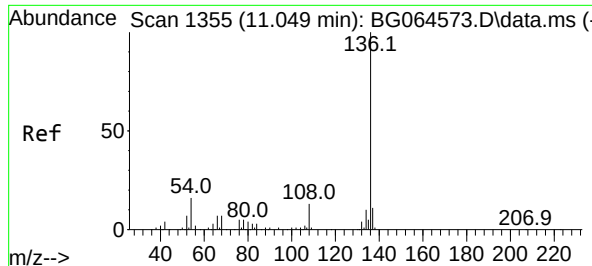
107 100

108 84.8 70.3 110.3

77 35.4 14.6 54.6

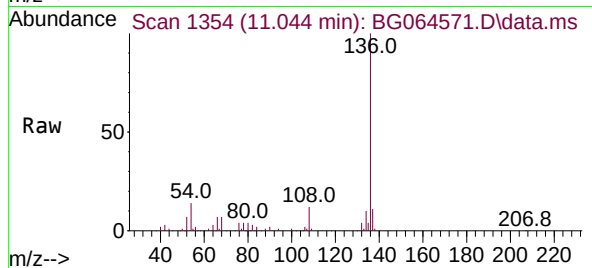
79 29.1 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1355
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

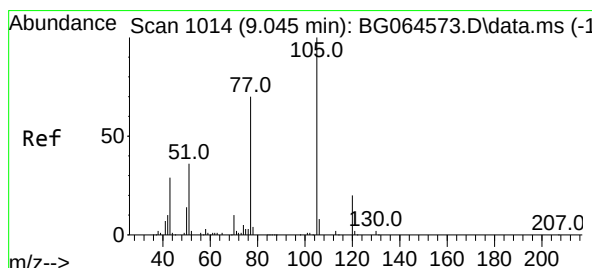
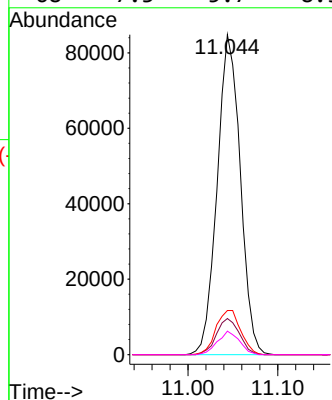
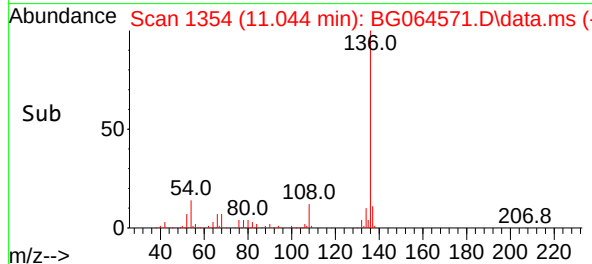
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:136 Resp: 151627
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 13.8 12.6 19.0
68 7.3 5.7 8.5

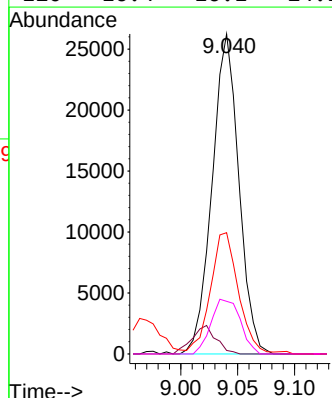
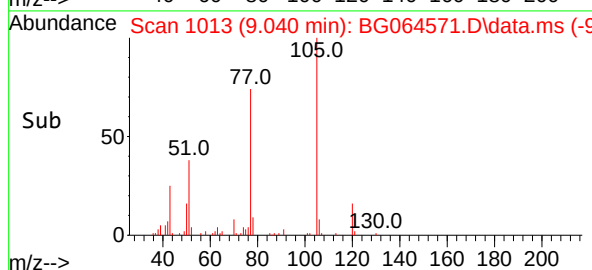
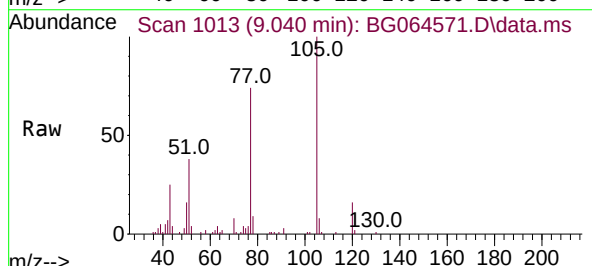
Manual Integrations
APPROVED

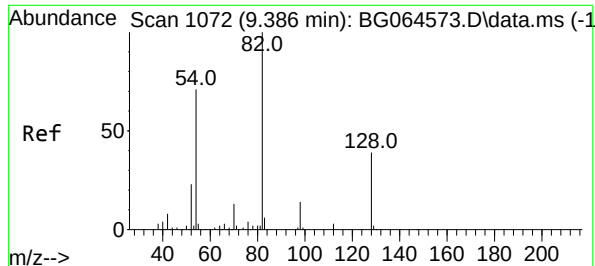
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#22
Acetophenone
Concen: 10.338 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:105 Resp: 42851
Ion Ratio Lower Upper
105 100
71 1.1 1.5 2.3#
51 37.9 33.7 50.5
120 16.4 16.1 24.1





#23

Nitrobenzene-d5

Concen: 17.182 ng

RT: 9.381 min Scan# 1072

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

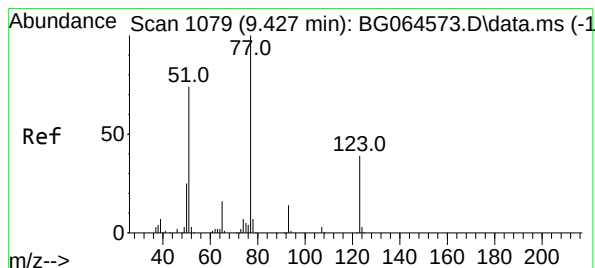
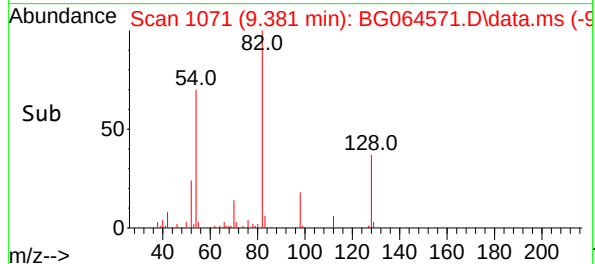
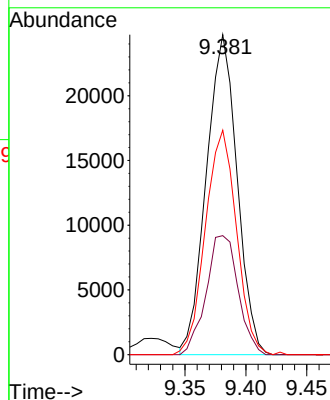
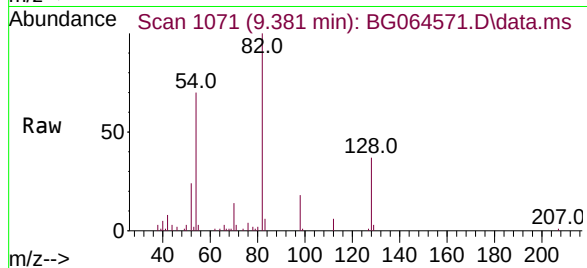
Tgt Ion:	82	Resp:	43376
Ion	Ratio	Lower	Upper
82	100		
128	37.2	31.3	46.9
54	70.1	56.6	84.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 8.602 ng

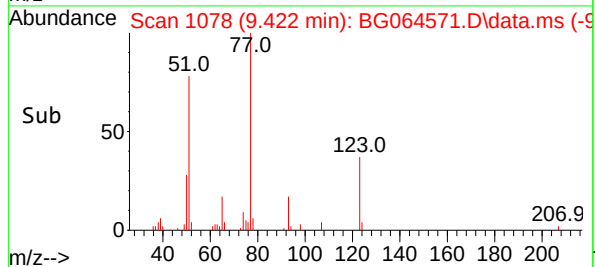
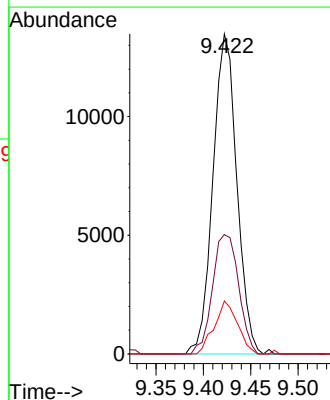
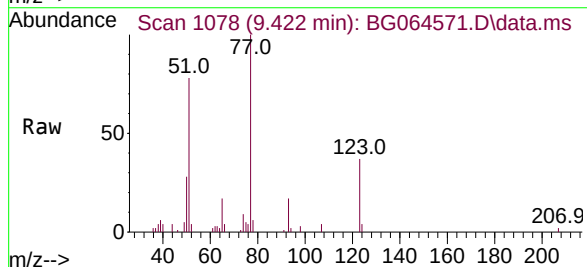
RT: 9.422 min Scan# 1078

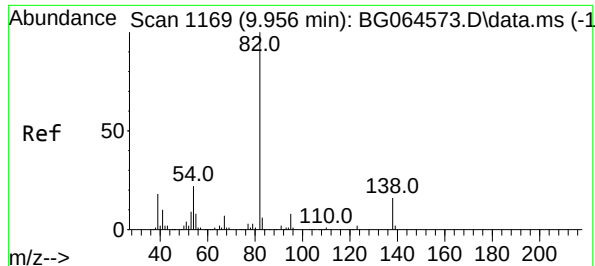
Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Tgt Ion:	77	Resp:	23618
Ion	Ratio	Lower	Upper
77	100		
123	37.3	31.0	46.6
65	16.5	12.7	19.1





#25

Isophorone

Concen: 9.962 ng

RT: 9.951 min Scan# 1168

Delta R.T. -0.015 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

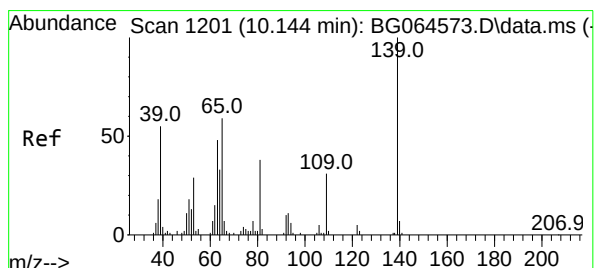
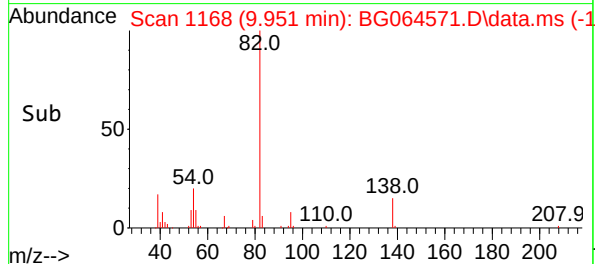
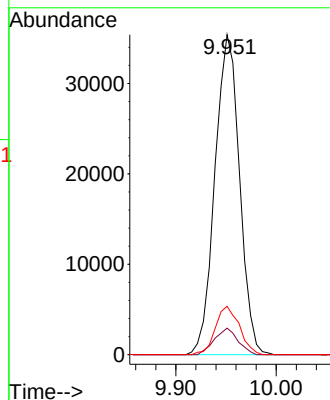
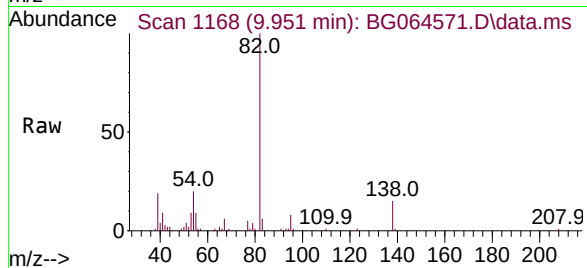
SSTDICC010

Tgt Ion:	82	Resp:	6034
Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.1	9.1
138	15.1	13.0	19.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#26

2-Nitrophenol

Concen: 9.491 ng

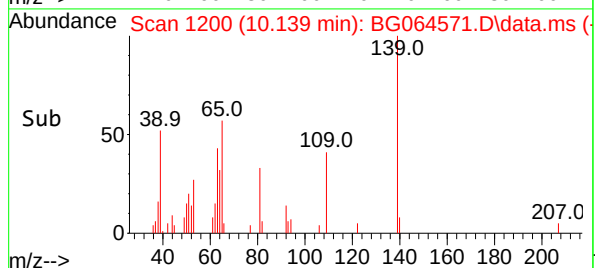
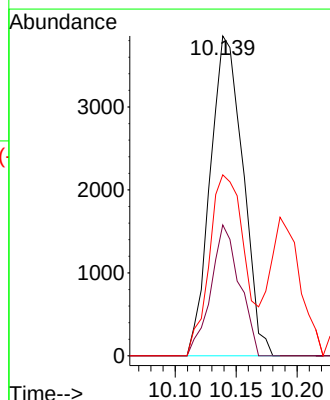
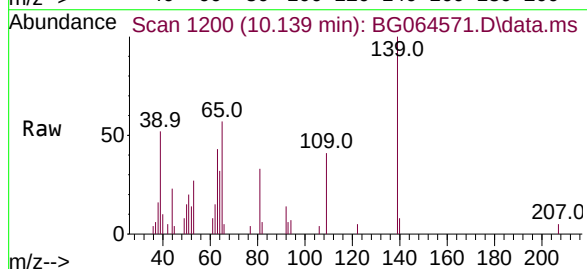
RT: 10.139 min Scan# 1200

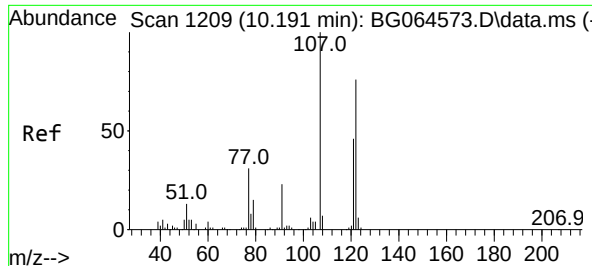
Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

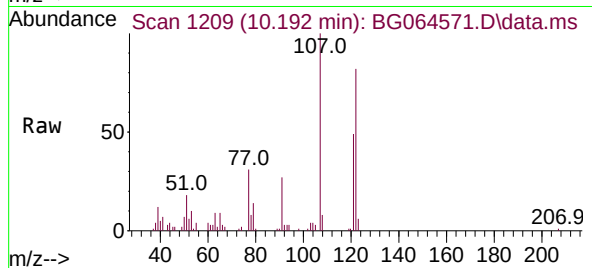
Tgt Ion:	139	Resp:	7208
Ion	Ratio	Lower	Upper
139	100		
109	40.9	24.6	37.0
65	56.6	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 9.685 ng
RT: 10.192 min Scan# 1209
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

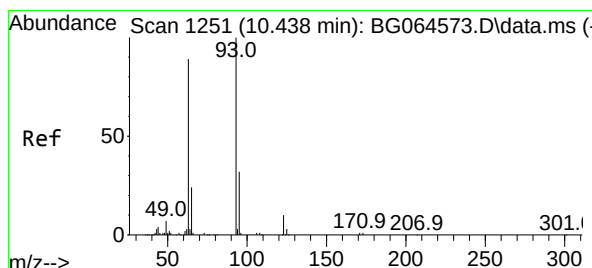
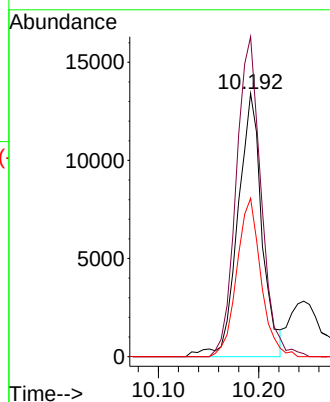
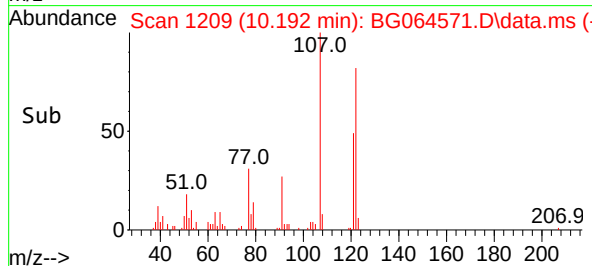
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:122 Resp: 22259
Ion Ratio Lower Upper
122 100
107 121.6 103.0 154.4
121 60.2 47.8 71.8

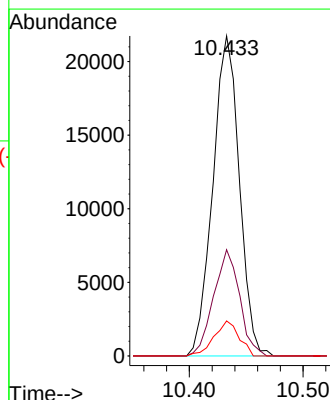
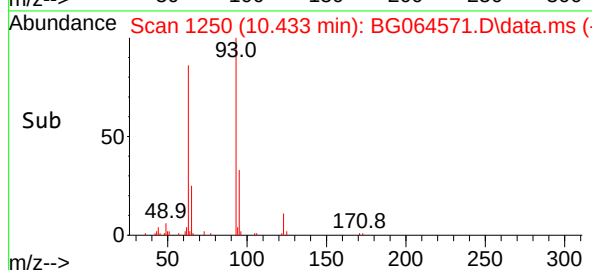
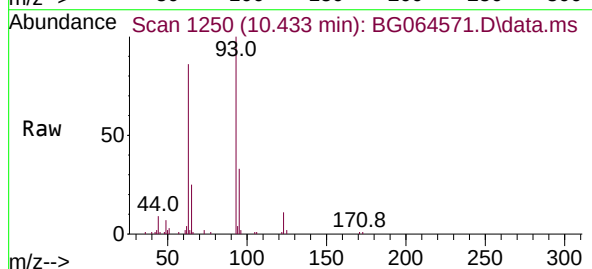
Manual Integrations
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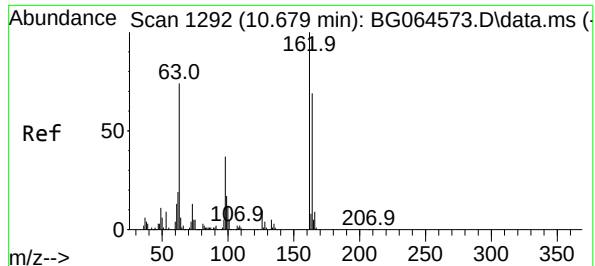
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#28
bis(2-Chloroethoxy)methane
Concen: 10.197 ng
RT: 10.433 min Scan# 1250
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 35170
Ion Ratio Lower Upper
93 100
95 33.2 25.4 38.2
123 11.0 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 9.338 ng

RT: 10.680 min Scan# 1292

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

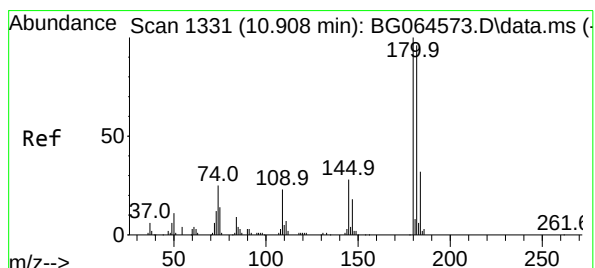
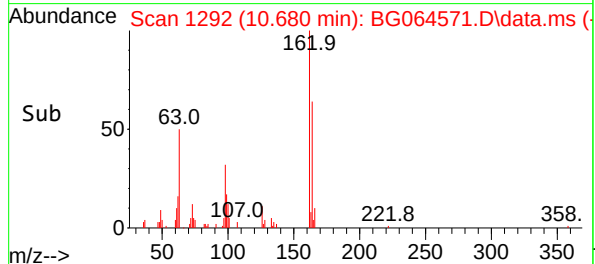
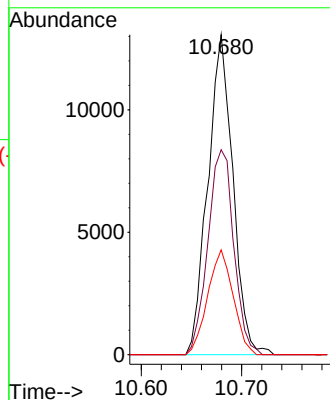
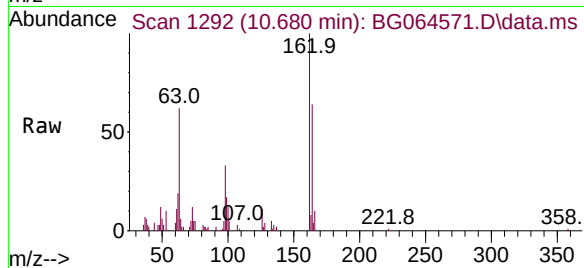
Tgt Ion:	162	Resp:	22643
Ion Ratio	Lower	Upper	
162	100		
164	64.0	48.7	88.7
98	32.7	16.9	56.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.143 ng

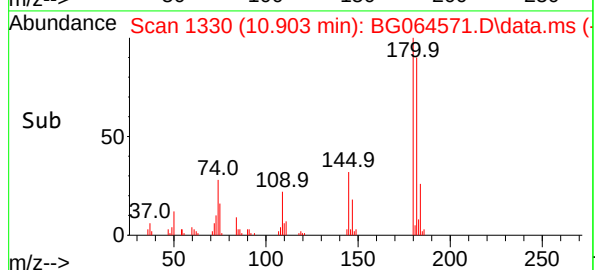
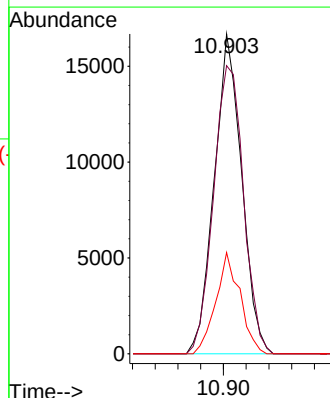
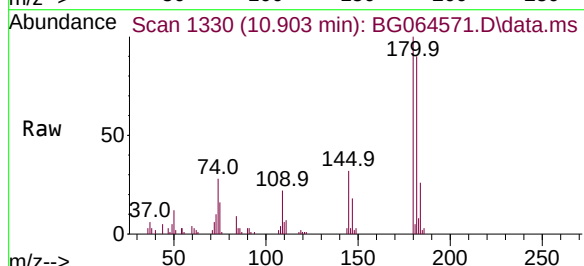
RT: 10.903 min Scan# 1330

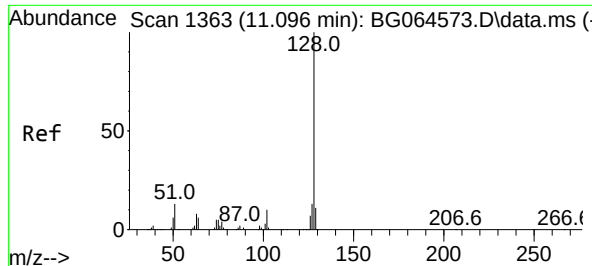
Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Tgt Ion:	180	Resp:	27947
Ion Ratio	Lower	Upper	
180	100		
182	90.1	76.9	115.3
145	31.7	22.1	33.1





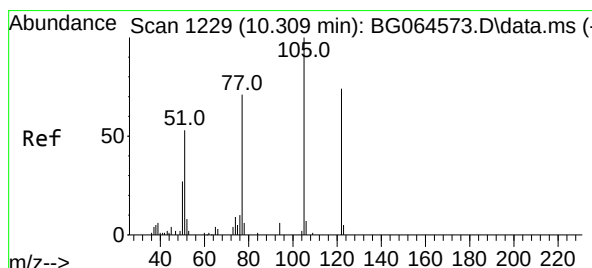
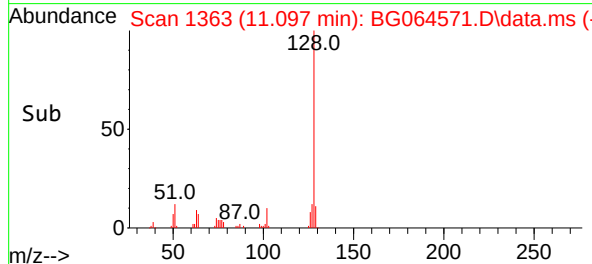
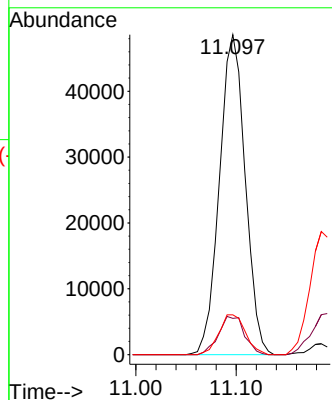
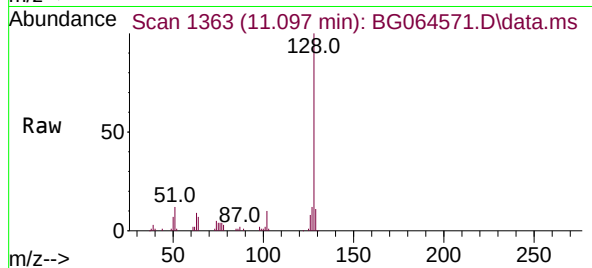
#31
Naphthalene
Concen: 10.319 ng
RT: 11.097 min Scan# 1363
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 86750
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 12.4 10.6 15.8

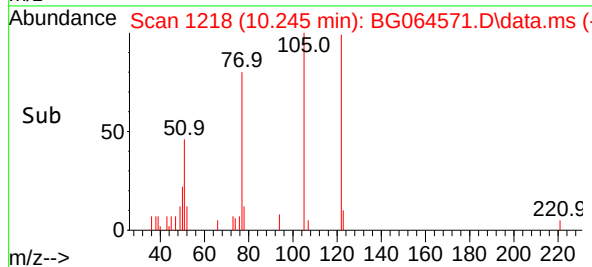
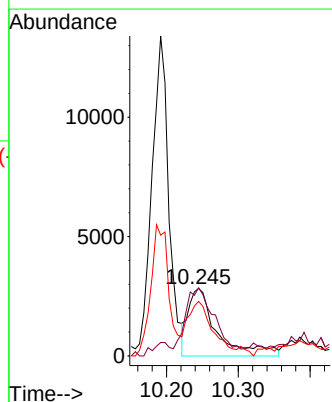
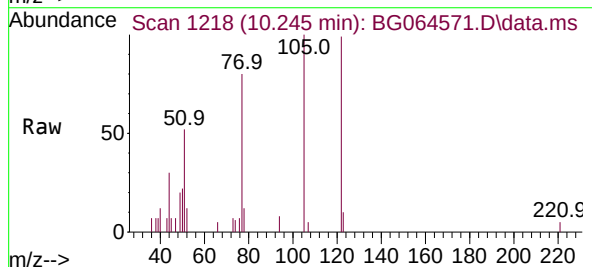
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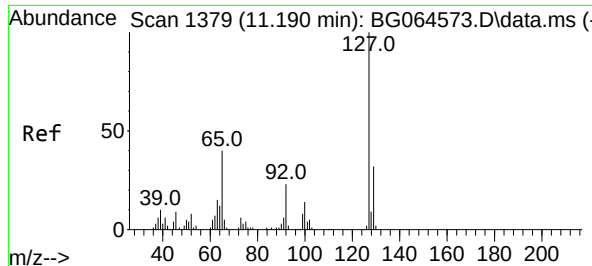
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 11.001 ng m
RT: 10.245 min Scan# 1218
Delta R.T. -0.097 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:122 Resp: 7890
Ion Ratio Lower Upper
122 100
105 100.8 104.2 144.2#
77 80.6 70.2 110.2





#33

4-Chloroaniline

Concen: 10.583 ng

RT: 11.185 min Scan# 1379

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:127 Resp: 3458

Ion Ratio Lower Upper

127 100

129 32.4 25.5 38.3

65 39.1 32.2 48.4

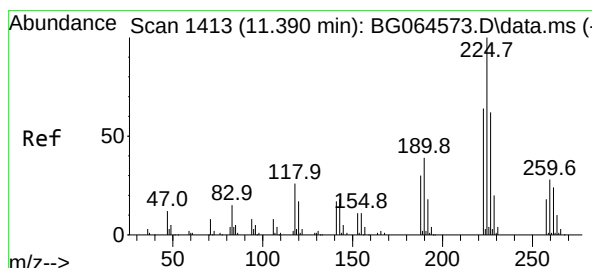
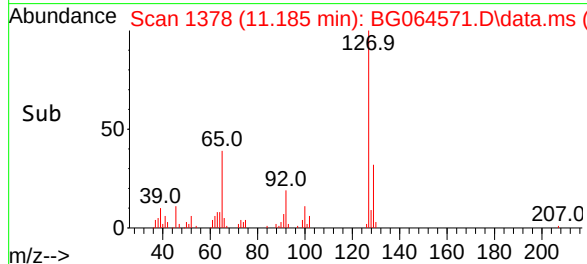
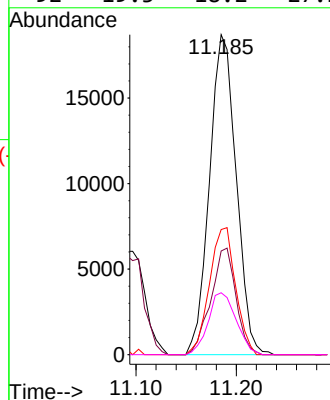
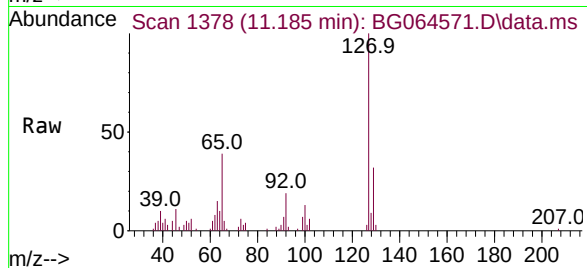
92 19.3 18.2 27.2

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#34

Hexachlorobutadiene

Concen: 10.256 ng

RT: 11.390 min Scan# 1413

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

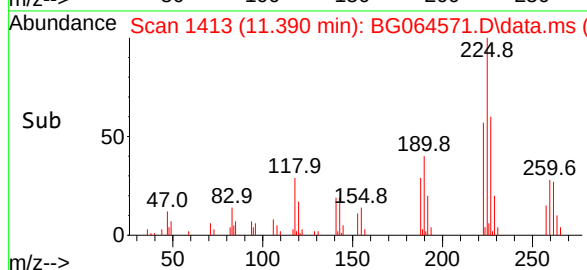
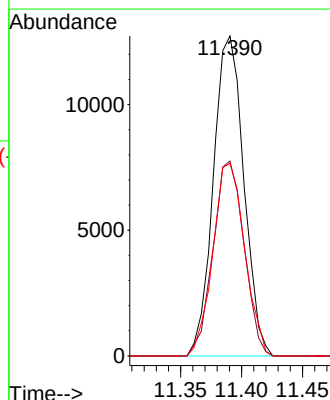
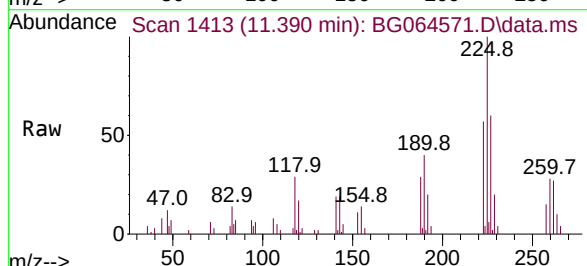
Tgt Ion:225 Resp: 22099

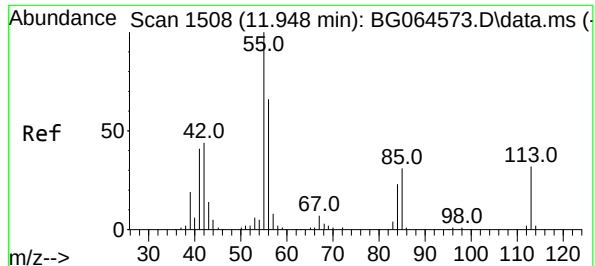
Ion Ratio Lower Upper

225 100

223 57.6 48.8 73.2

227 57.0 49.5 74.3





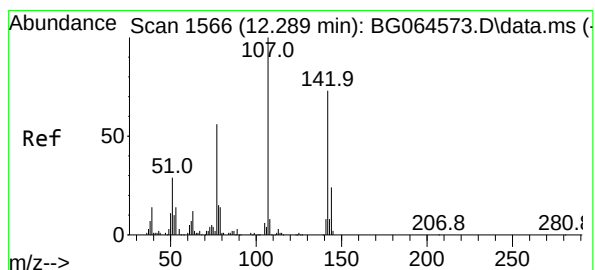
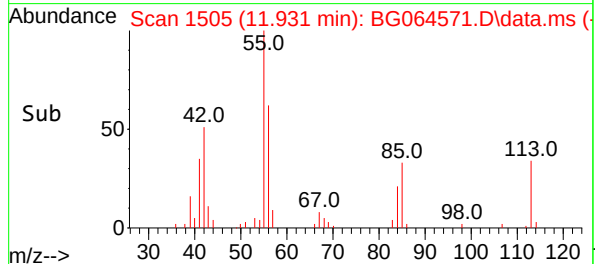
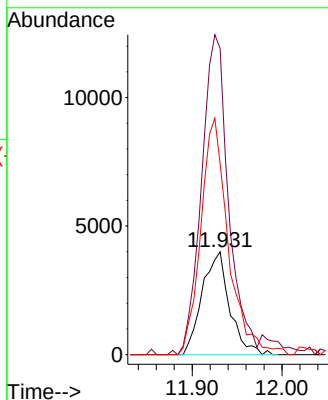
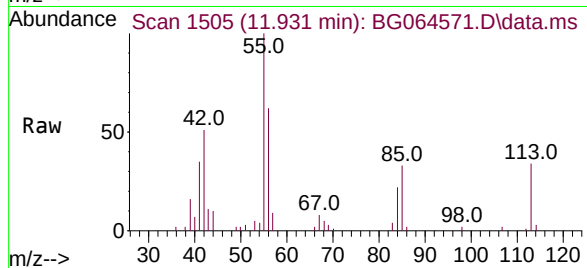
#35
Caprolactam
Concen: 9.162 ng
RT: 11.931 min Scan# 1505
Delta R.T. -0.044 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 852
Ion Ratio Lower Upper
113 100
55 297.7 290.1 330.1
56 185.5 183.8 223.8

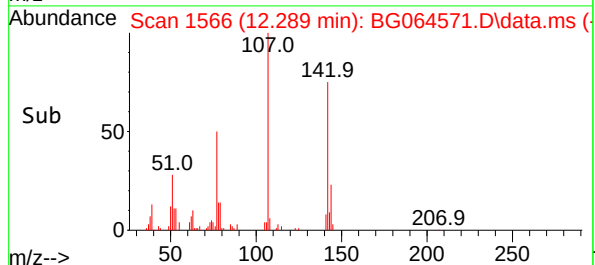
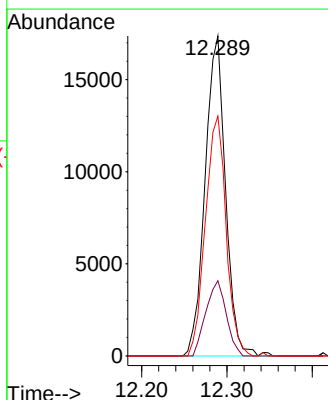
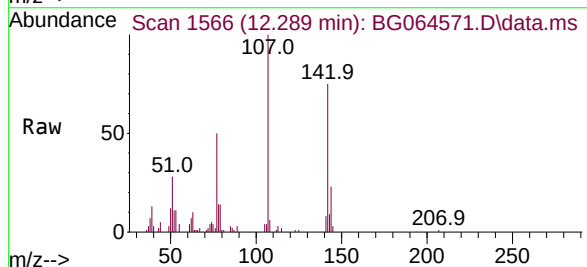
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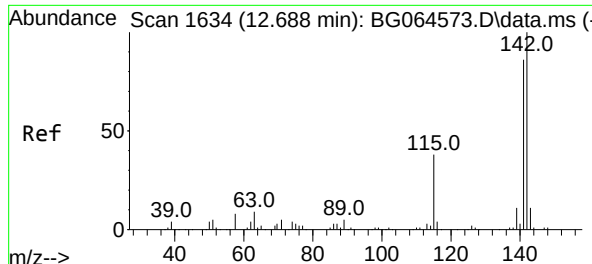
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#36
4-Chloro-3-methylphenol
Concen: 9.916 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 28904
Ion Ratio Lower Upper
107 100
144 23.5 19.1 28.7
142 74.9 58.6 87.8





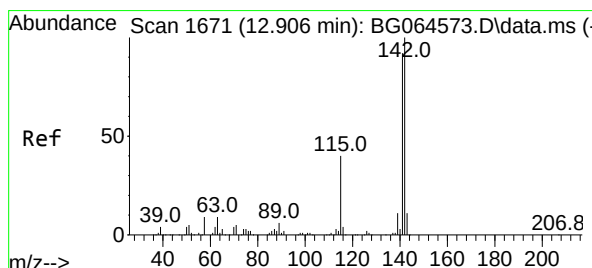
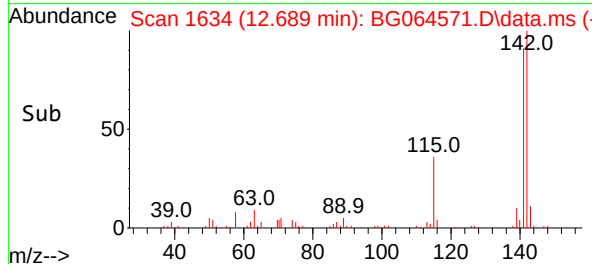
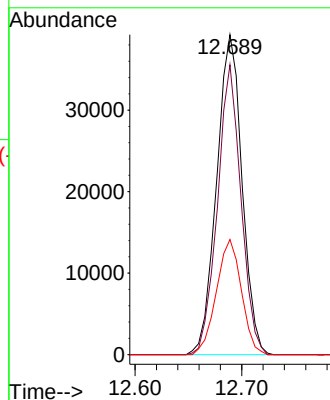
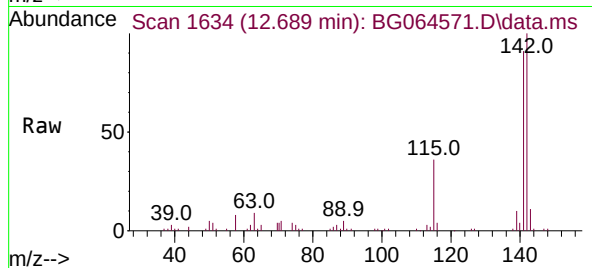
#37
2-Methylnaphthalene
Concen: 10.543 ng
RT: 12.689 min Scan# 1634
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 65070
Ion Ratio Lower Upper
142 100
141 90.6 68.9 103.3
115 36.0 30.6 46.0

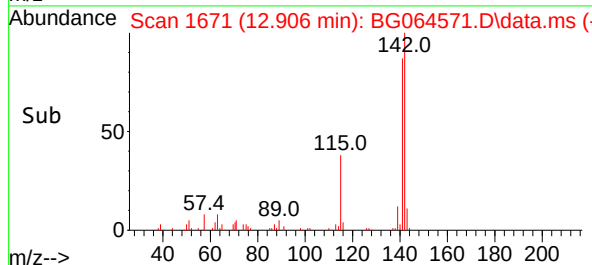
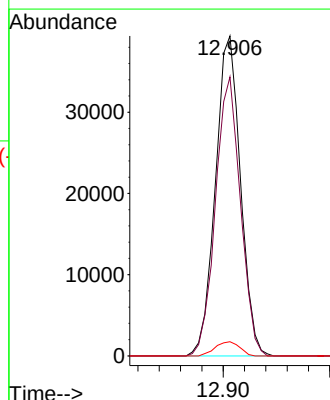
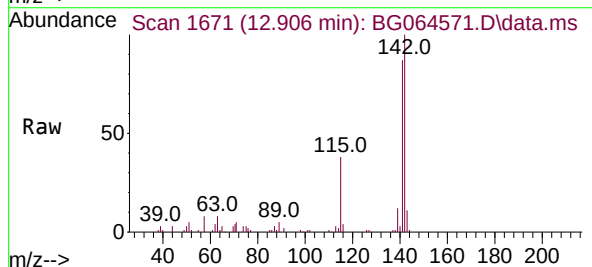
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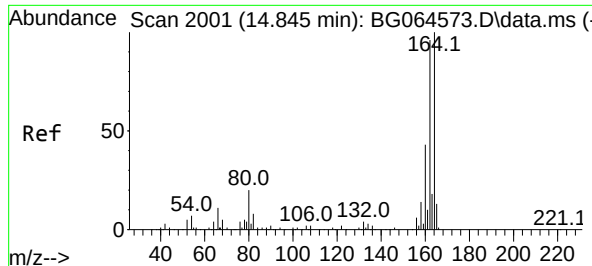
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#38
1-Methylnaphthalene
Concen: 10.601 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:142 Resp: 64384
Ion Ratio Lower Upper
142 100
141 87.2 73.3 109.9
116 4.4 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 2000

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:164 Resp: 117618

Ion Ratio Lower Upper

164 100

162 98.4 77.0 115.6

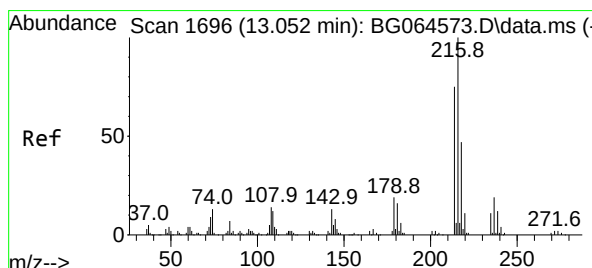
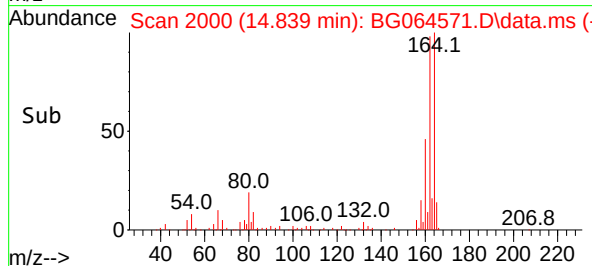
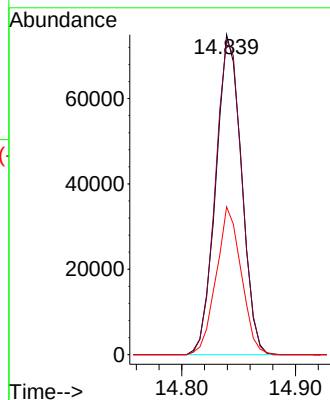
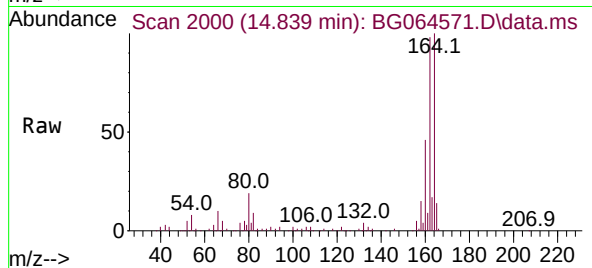
160 46.2 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.197 ng

RT: 13.053 min Scan# 1696

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Tgt Ion:216 Resp: 40253

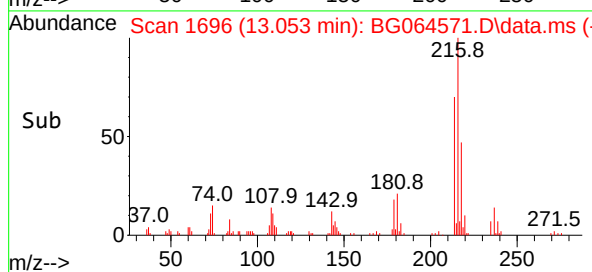
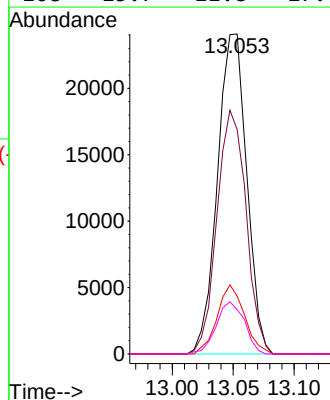
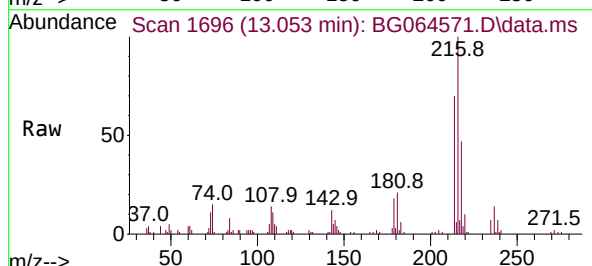
Ion Ratio Lower Upper

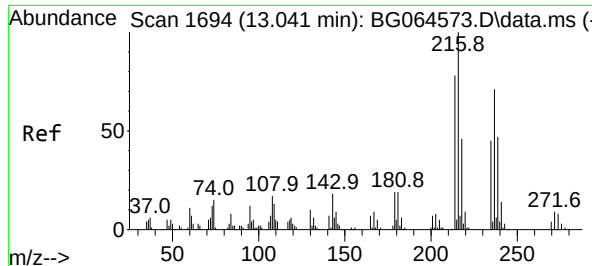
216 100

214 75.7 61.4 92.2

179 20.2 15.4 23.0

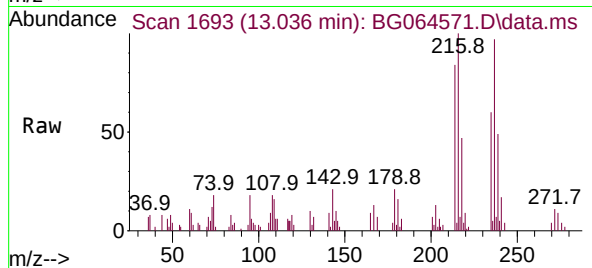
108 15.7 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 8.855 ng
RT: 13.036 min Scan# 1693
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

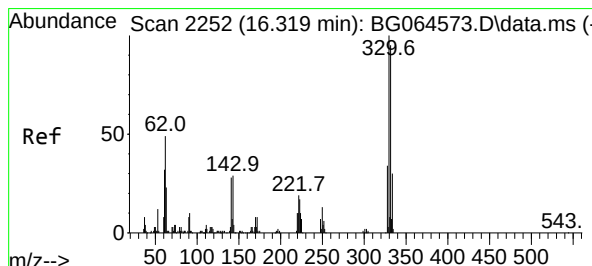
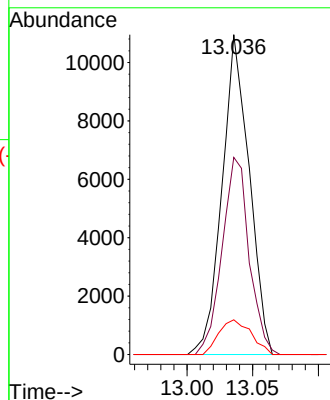
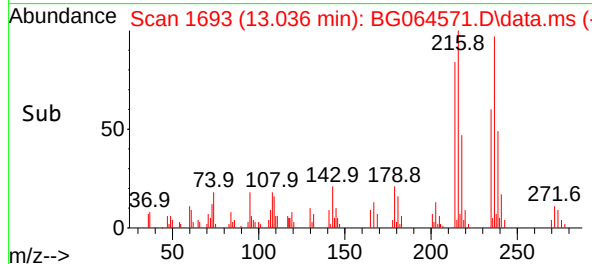
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion: 237 Resp: 15733
Ion Ratio Lower Upper
237 100
235 61.6 44.1 84.1
272 10.9 0.0 32.4

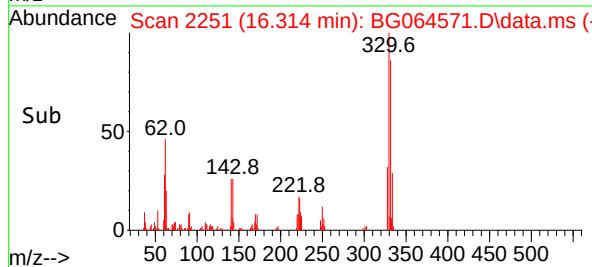
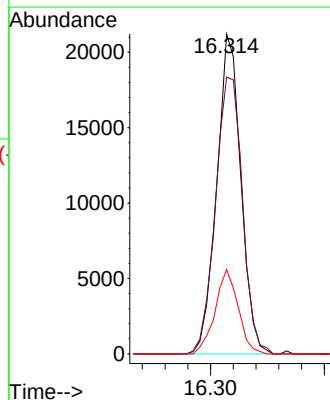
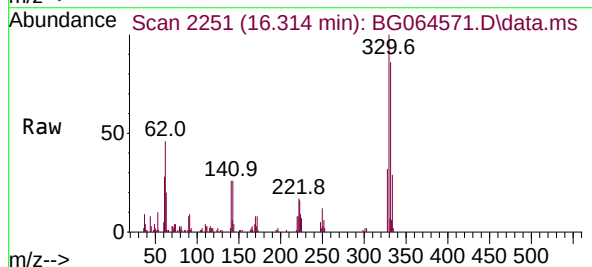
Manual Integrations
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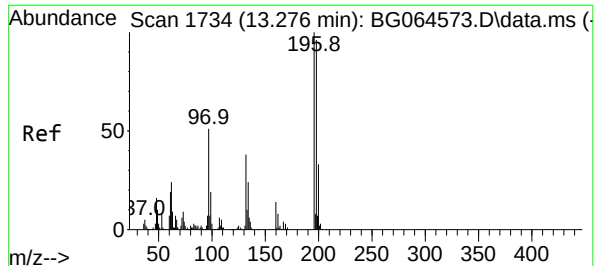
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#42
2,4,6-Tribromophenol
Concen: 18.400 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 330 Resp: 31236
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 25.2 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 8.673 ng

RT: 13.276 min Scan# 1734

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

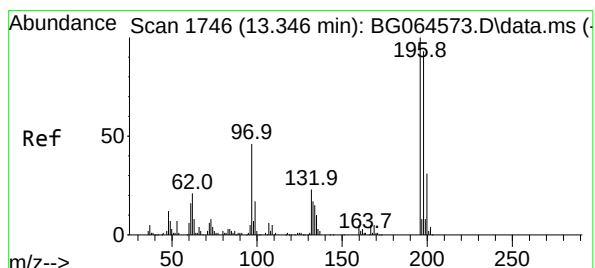
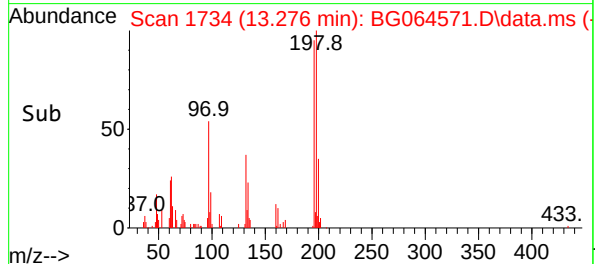
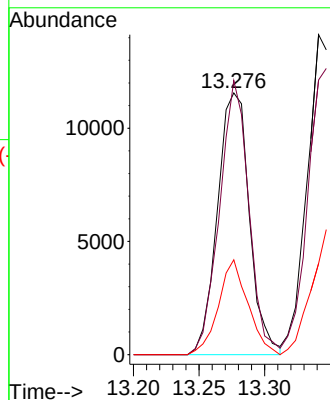
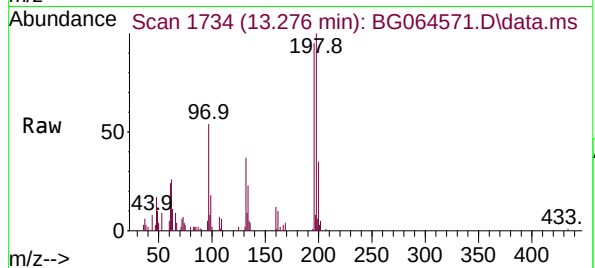
Tgt Ion:	196	Resp:	19584
Ion	Ratio	Lower	Upper
196	100		
198	104.8	76.6	115.0
200	36.2	26.0	39.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

Concen: 9.584 ng

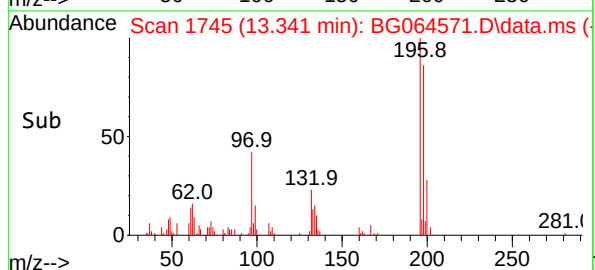
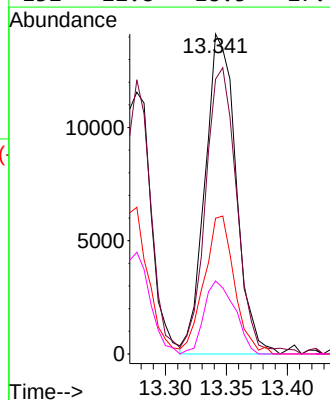
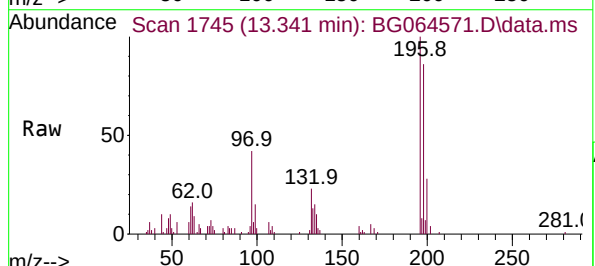
RT: 13.341 min Scan# 1745

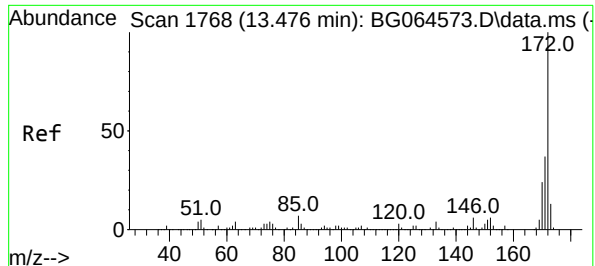
Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Tgt Ion:	196	Resp:	24973
Ion	Ratio	Lower	Upper
196	100		
198	85.8	74.2	111.4
97	42.4	37.0	55.6
132	22.8	18.5	27.7





#45

2-Fluorobiphenyl

Concen: 21.050 ng

RT: 13.470 min Scan# 1768

Delta R.T. -0.009 min

Lab File: BG064571.D

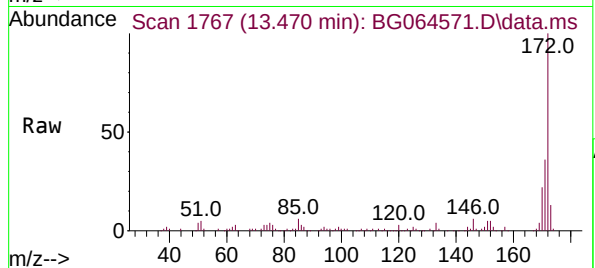
Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010



Tgt Ion:172 Resp: 163340

Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.0

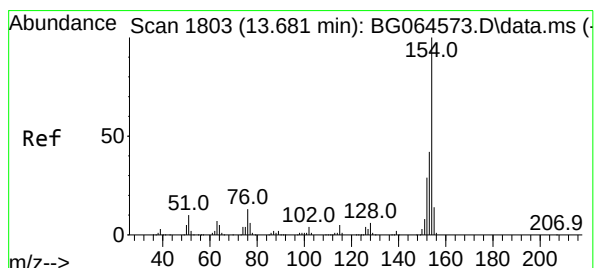
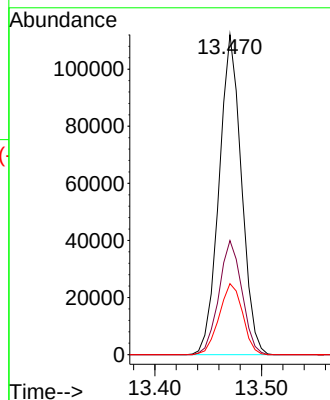
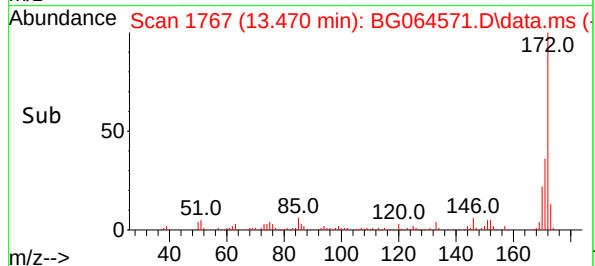
170 22.2 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#46

1,1'-Biphenyl

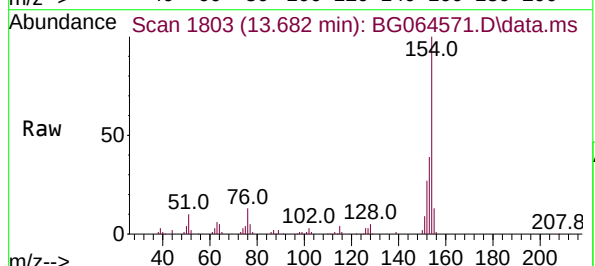
Concen: 10.200 ng

RT: 13.682 min Scan# 1803

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02



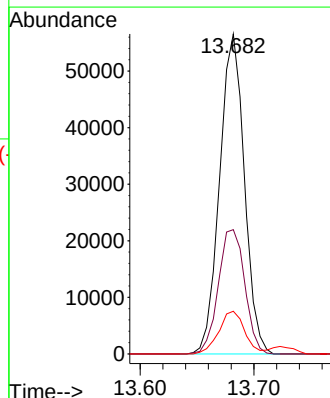
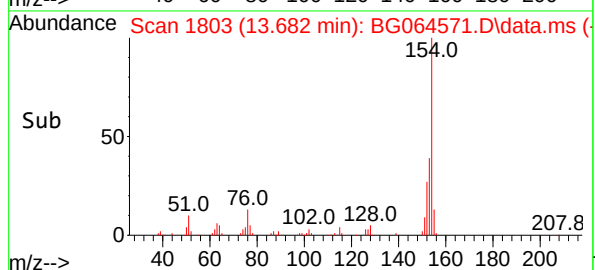
Tgt Ion:154 Resp: 85287

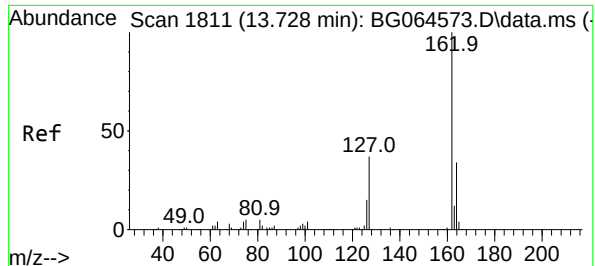
Ion Ratio Lower Upper

154 100

153 38.8 22.4 62.4

76 13.3 0.0 33.5





#47

2-Chloronaphthalene

Concen: 10.081 ng

RT: 13.723 min Scan# 1811

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

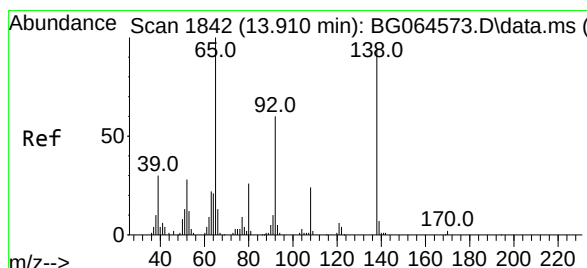
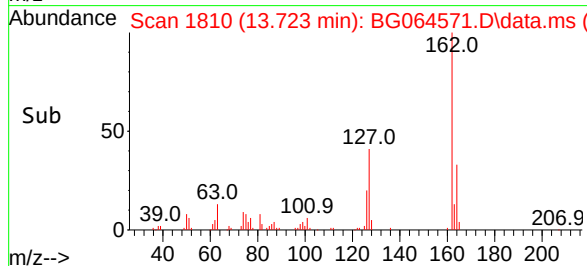
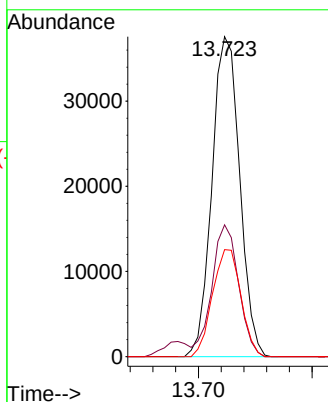
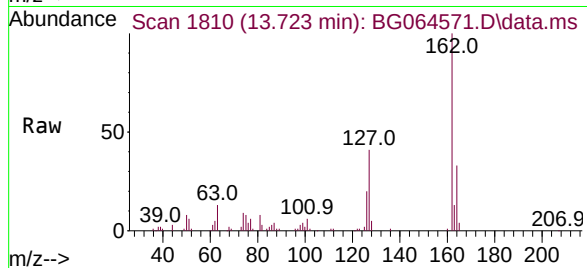
SSTDICC010

Tgt Ion:	162	Resp:	6363
Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.2	48.2
164	33.4	27.5	41.3

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#48

2-Nitroaniline

Concen: 9.284 ng

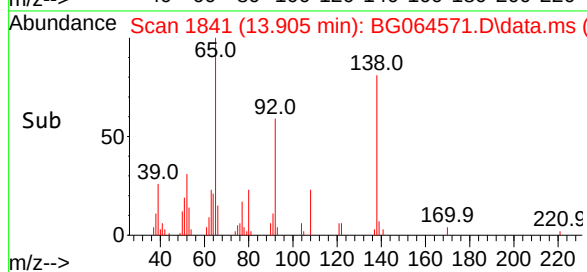
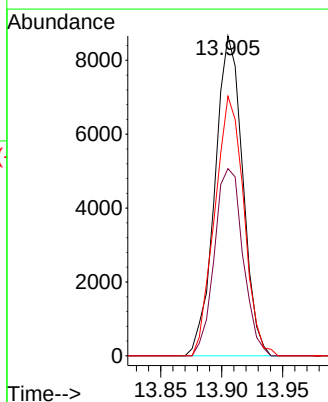
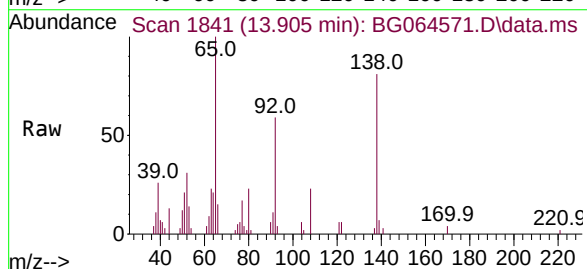
RT: 13.905 min Scan# 1841

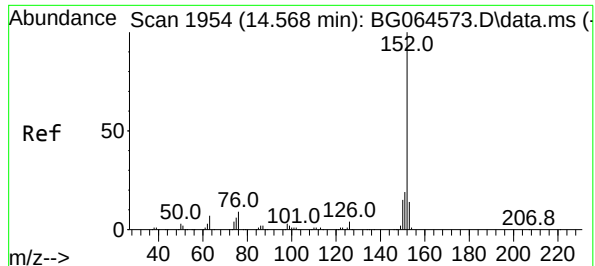
Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Tgt Ion:	65	Resp:	13764
Ion	Ratio	Lower	Upper
65	100		
92	58.5	48.3	72.5
138	81.1	74.9	112.3





#49

Acenaphthylene

Concen: 10.198 ng

RT: 14.563 min Scan# 1954

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:152 Resp: 101526

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.2

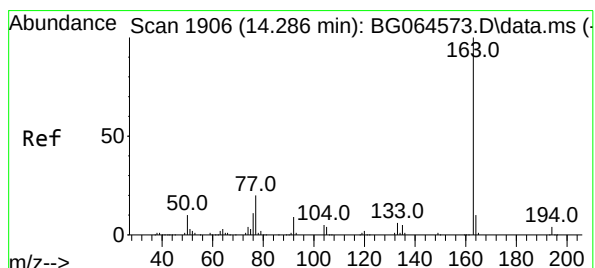
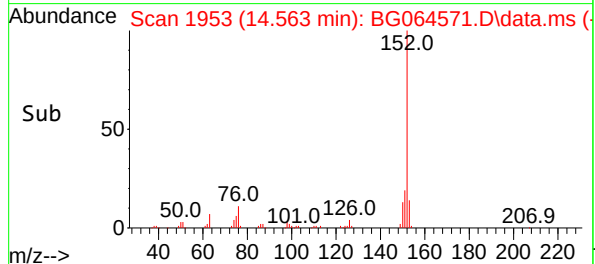
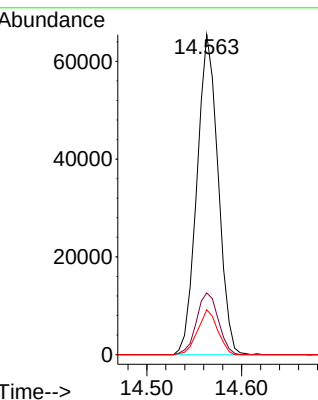
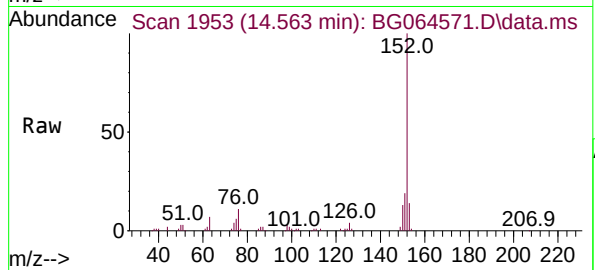
153 14.0 11.0 16.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 10.256 ng

RT: 14.281 min Scan# 1905

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

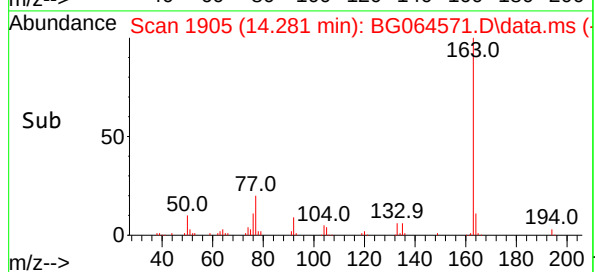
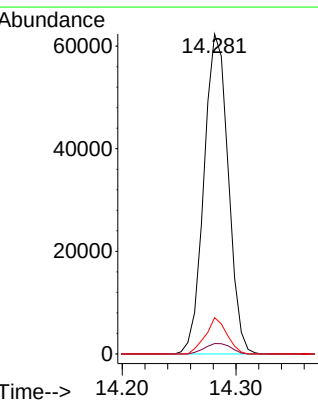
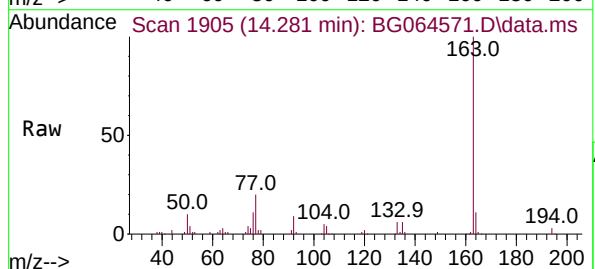
Tgt Ion:163 Resp: 92308

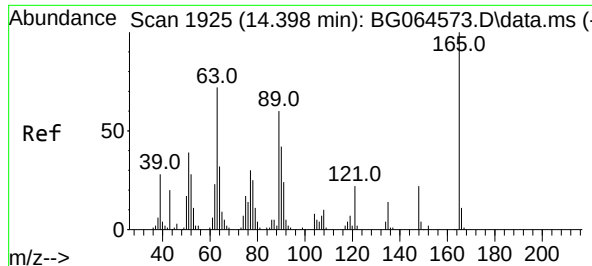
Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

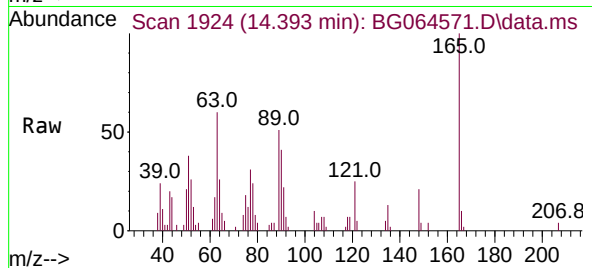
164 11.3 7.7 11.5





#51
2,6-Dinitrotoluene
Concen: 9.857 ng
RT: 14.393 min Scan# 1925
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

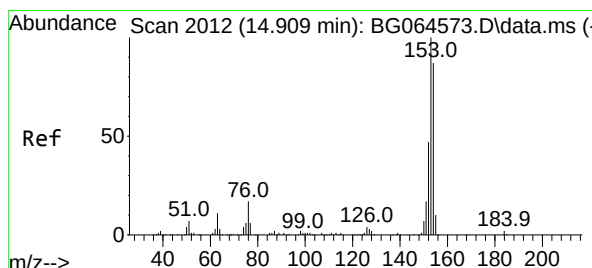
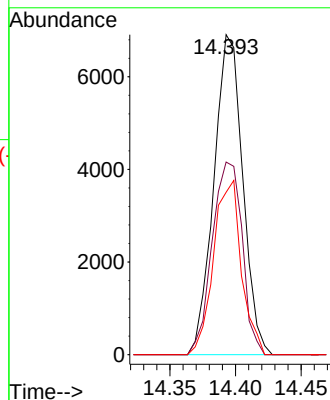
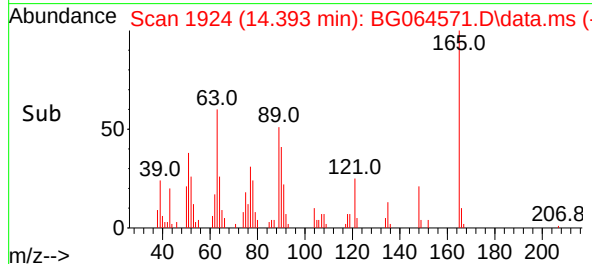
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 1060
Ion Ratio Lower Upper
165 100
63 60.2 57.4 86.0
89 50.8 47.8 71.8

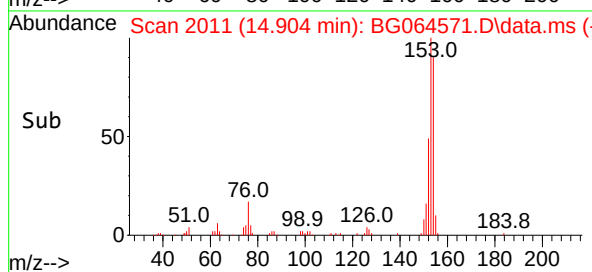
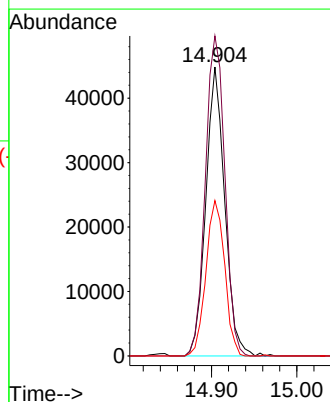
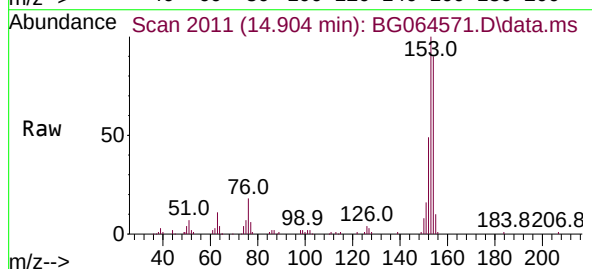
Manual Integrations
APPROVED

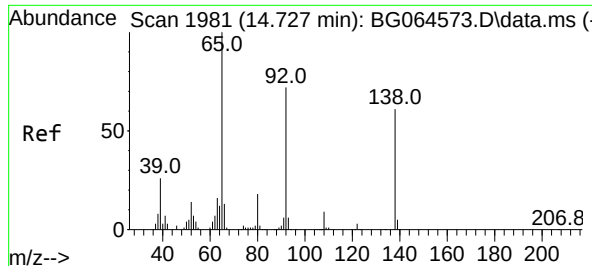
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#52
Acenaphthene
Concen: 10.184 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

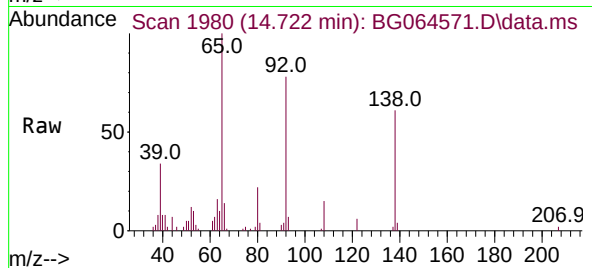
Tgt Ion:154 Resp: 69273
Ion Ratio Lower Upper
154 100
153 110.8 92.2 138.4
152 53.8 43.2 64.8





#53
3-Nitroaniline
Concen: 8.026 ng
RT: 14.722 min Scan# 1981
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

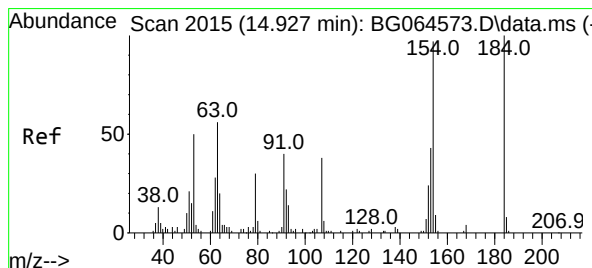
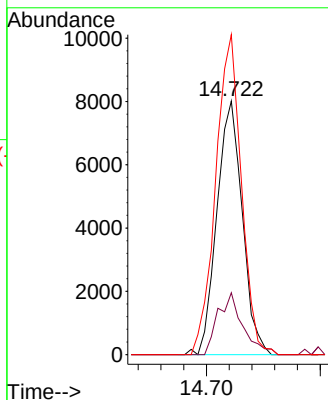
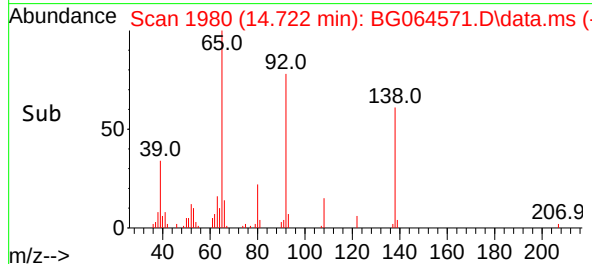
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:138 Resp: 12414
Ion Ratio Lower Upper
138 100
108 24.4 11.4 17.0#
92 126.2 95.3 142.9

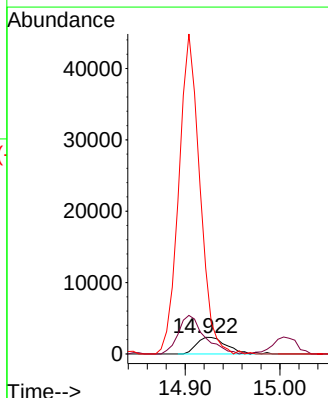
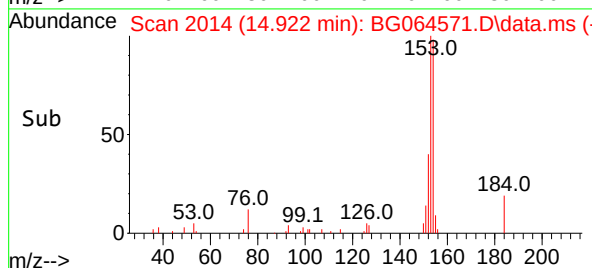
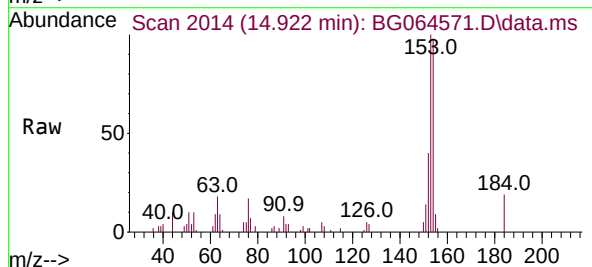
Manual Integrations
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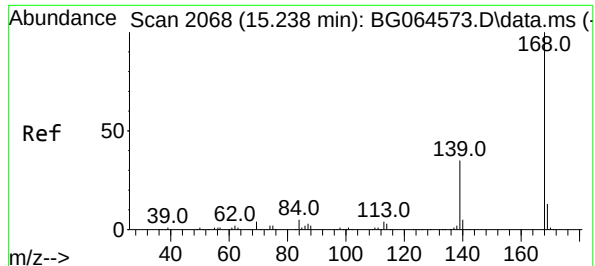
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#54
2,4-Dinitrophenol
Concen: 10.760 ng
RT: 14.922 min Scan# 2014
Delta R.T. -0.008 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

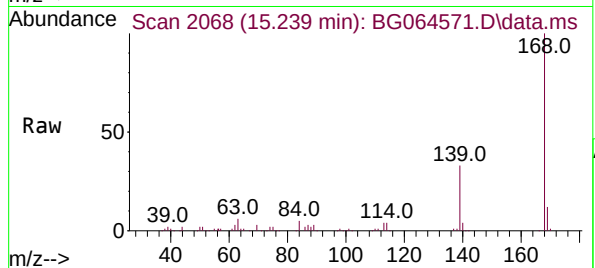
Tgt Ion:184 Resp: 5082
Ion Ratio Lower Upper
184 100
63 95.9 56.6 85.0#
154 514.8 158.6 238.0#





#55
Dibenzofuran
Concen: 10.548 ng
RT: 15.239 min Scan# 2068
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

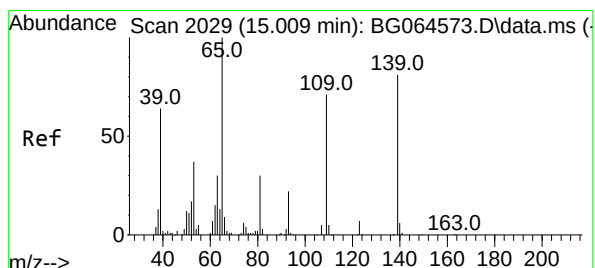
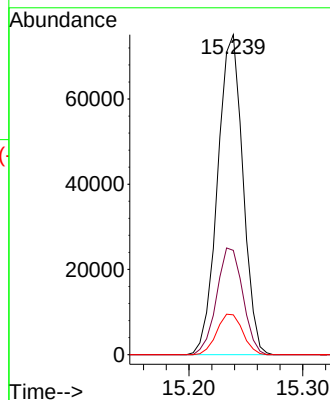
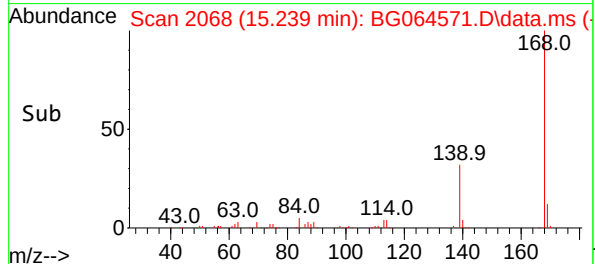
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:168 Resp: 115990
Ion Ratio Lower Upper
168 100
139 32.6 27.8 41.8
169 12.4 10.3 15.5

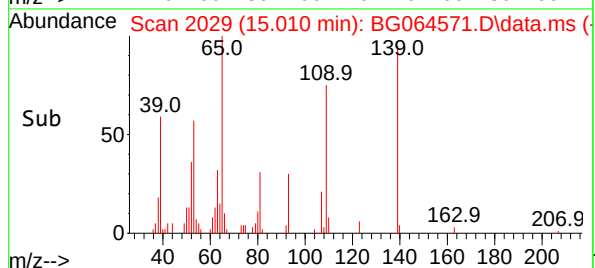
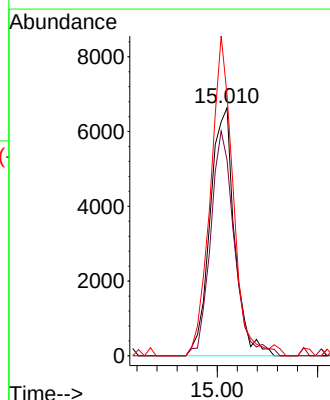
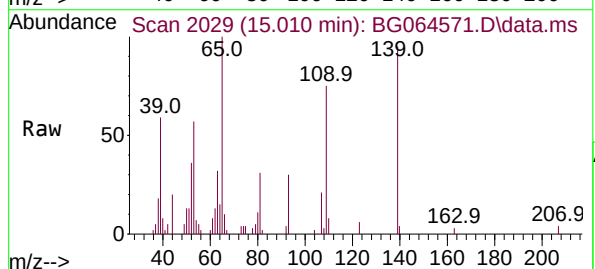
Manual Integrations
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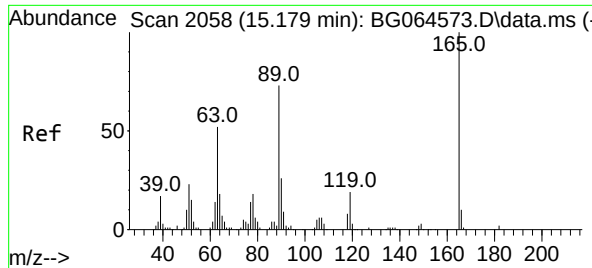
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#56
4-Nitrophenol
Concen: 7.815 ng
RT: 15.010 min Scan# 2029
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

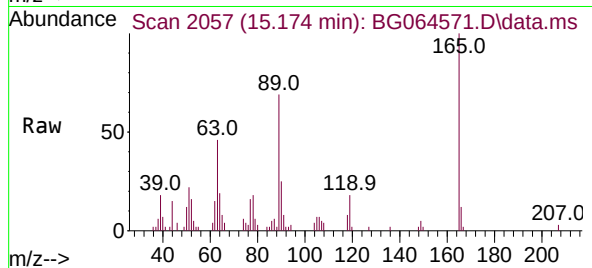
Tgt Ion:139 Resp: 11207
Ion Ratio Lower Upper
139 100
109 78.9 67.8 107.8
65 105.0 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 9.494 ng
RT: 15.174 min Scan# 2057
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

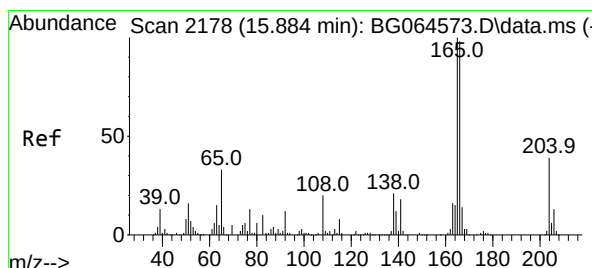
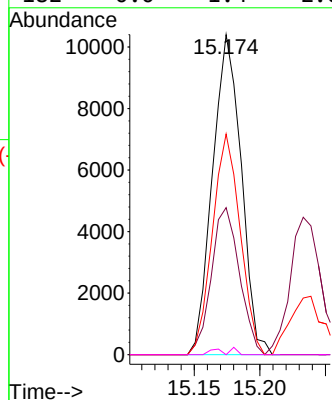
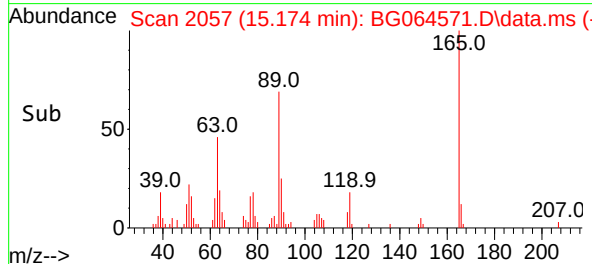
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 1579
Ion Ratio Lower Upper
165 100
63 45.9 41.8 62.8
89 68.9 58.1 87.1
182 0.0 1.4 2.0#

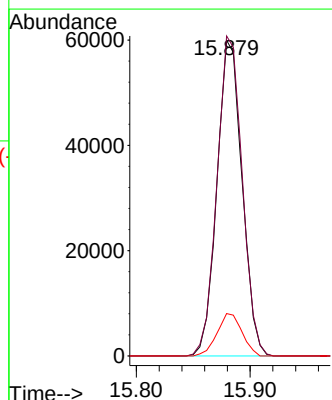
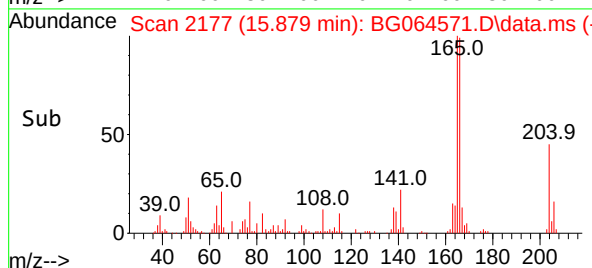
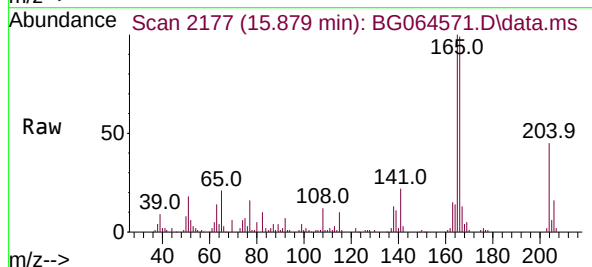
Manual Integrations
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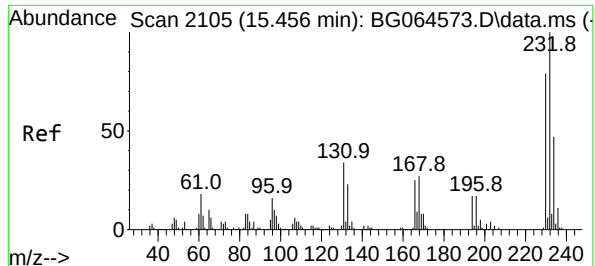
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#58
Fluorene
Concen: 10.679 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

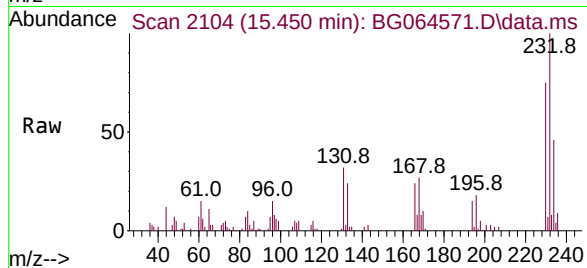
Tgt Ion:166 Resp: 91712
Ion Ratio Lower Upper
166 100
165 101.4 81.5 122.3
167 13.4 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.088 ng
RT: 15.450 min Scan# 2104
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

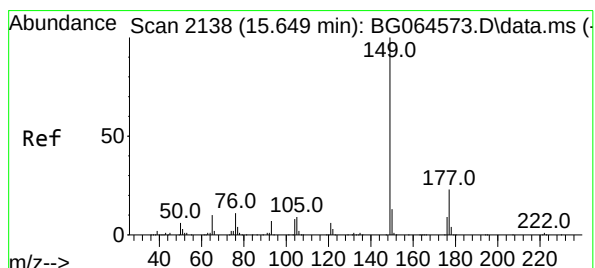
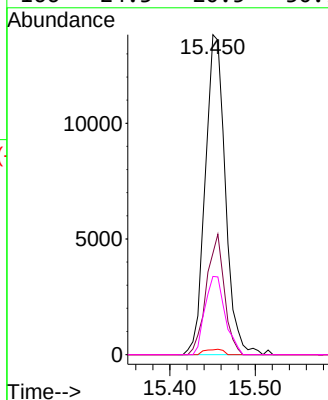
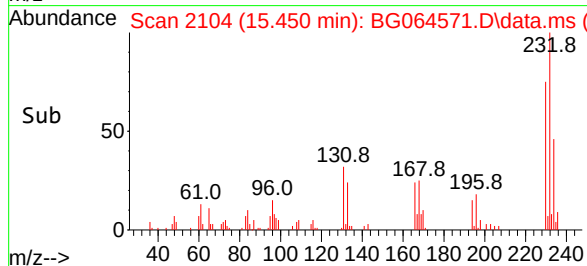
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



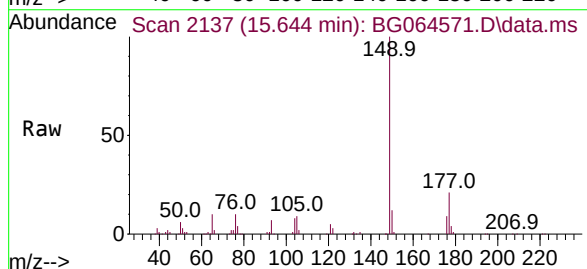
Tgt Ion:232 Resp: 22645
Ion Ratio Lower Upper
232 100
131 33.5 26.7 40.1
130 1.5 1.6 2.4
166 24.3 20.5 30.7

Manual Integrations
APPROVED

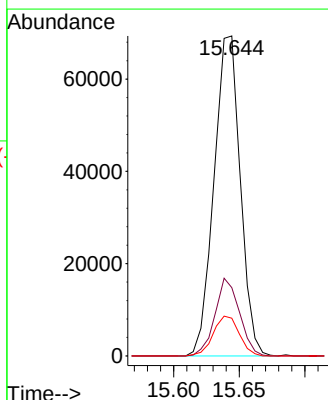
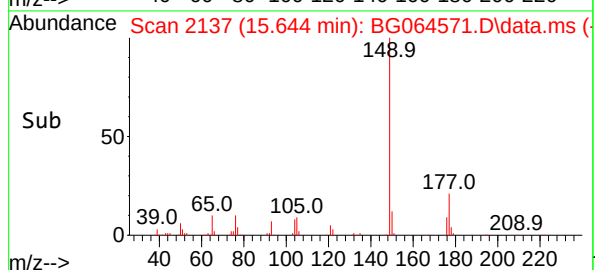
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

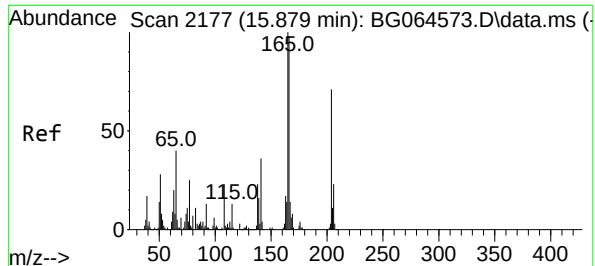


#60
Diethylphthalate
Concen: 10.525 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



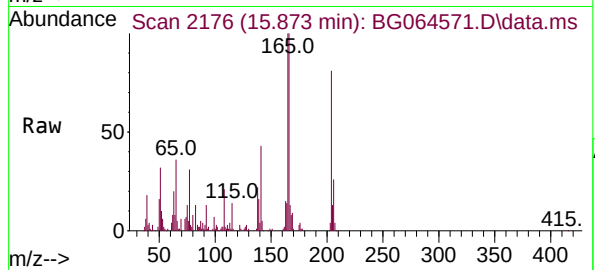
Tgt Ion:149 Resp: 96719
Ion Ratio Lower Upper
149 100
177 21.3 18.0 27.0
150 11.8 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 10.544 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

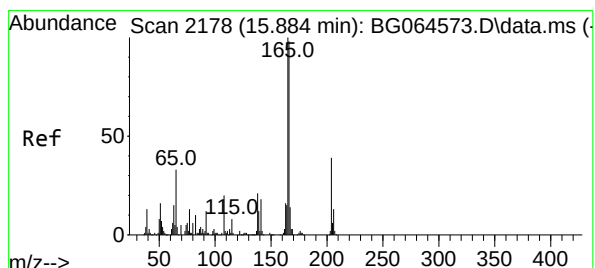
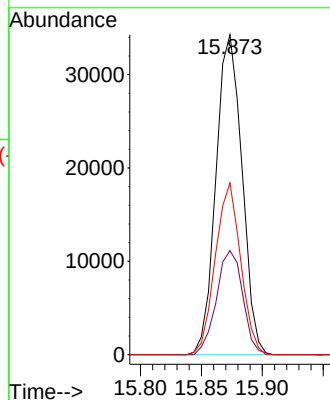
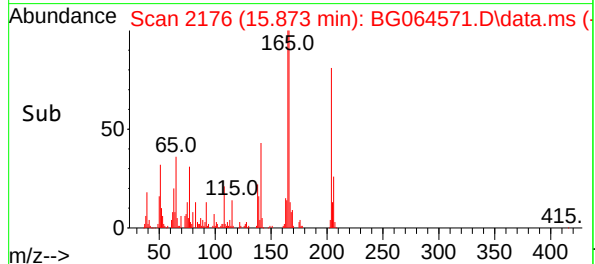
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:204 Resp: 50818
Ion Ratio Lower Upper
204 100
206 32.5 25.6 38.4
141 53.7 40.6 60.8

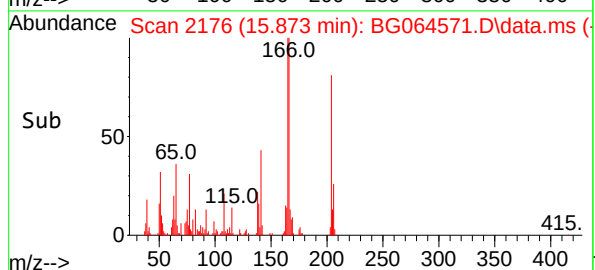
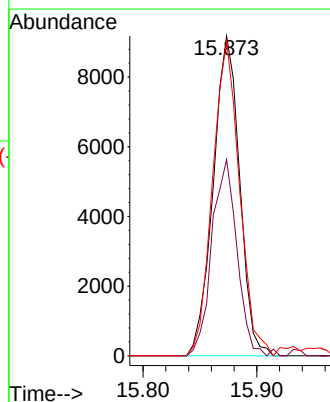
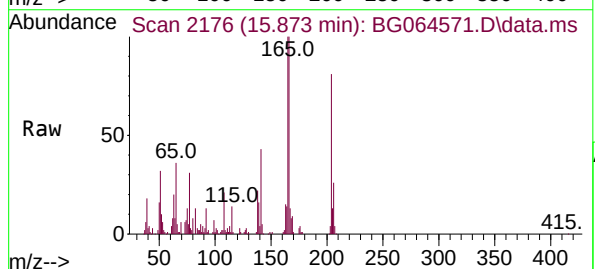
Manual Integrations
APPROVED

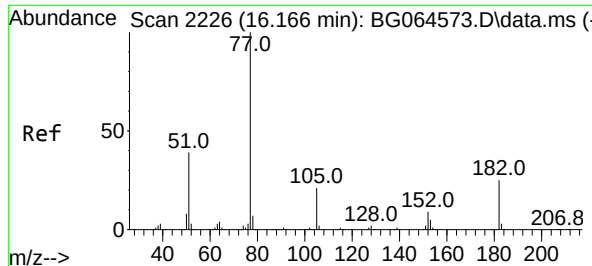
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#62
4-Nitroaniline
Concen: 8.612 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.020 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:138 Resp: 14819
Ion Ratio Lower Upper
138 100
92 61.4 36.1 76.1
108 98.5 75.6 115.6





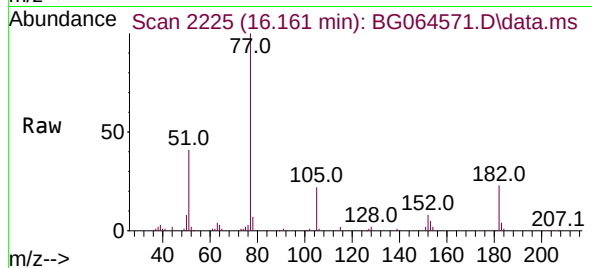
#63
Azobenzene
Concen: 10.489 ng
RT: 16.161 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010



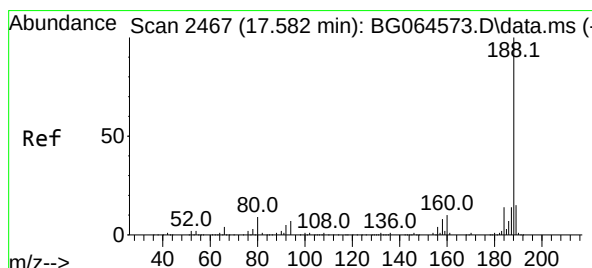
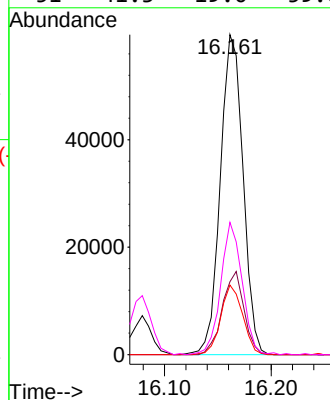
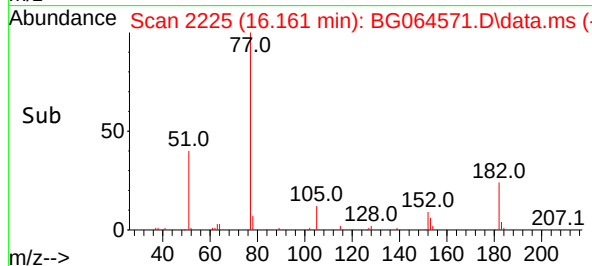
Tgt Ion: 77 Resp: 8844
Ion Ratio Lower Upper
77 100
182 22.8 4.9 44.9
105 21.7 1.3 41.3
51 41.3 19.0 59.0

Manual Integrations

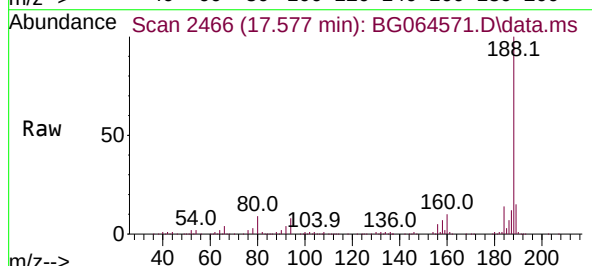
APPROVED

Reviewed By :Rahul Chavli 10/27/2025

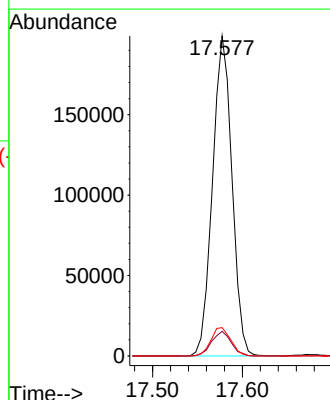
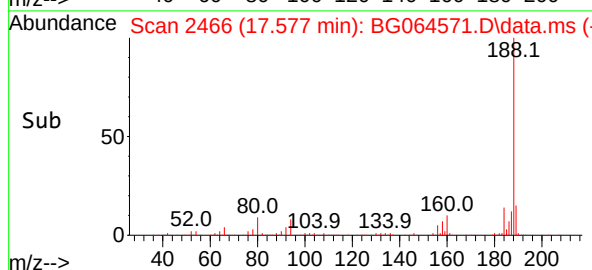
Supervised By :Jagrut Upadhyay 10/27/2025

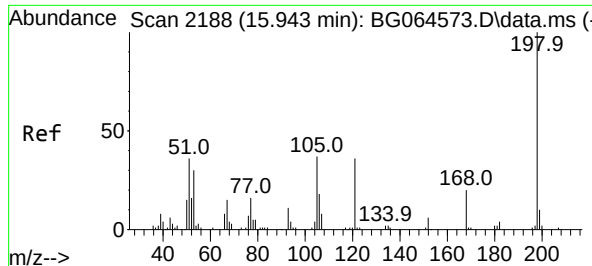


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



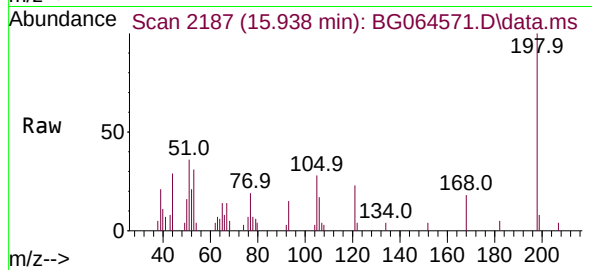
Tgt Ion:188 Resp: 300549
Ion Ratio Lower Upper
188 100
94 7.7 5.7 8.5
80 8.8 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 10.919 ng
RT: 15.938 min Scan# 2188
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

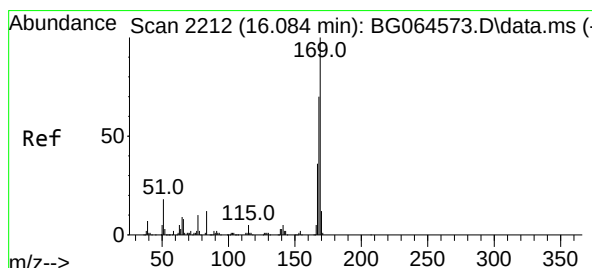
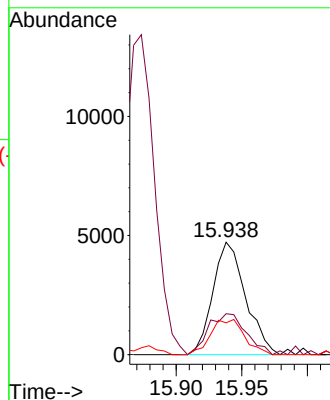
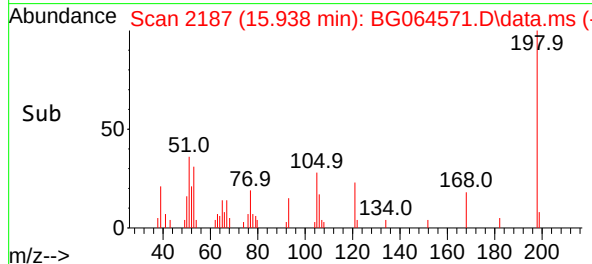
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:198 Resp: 8190
Ion Ratio Lower Upper
198 100
51 36.4 24.7 64.7
105 28.3 18.0 58.0

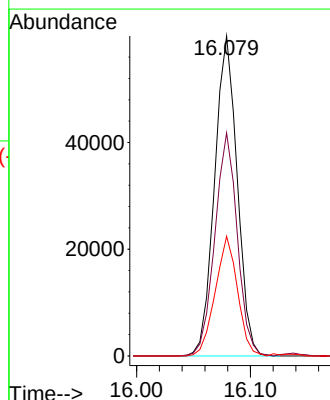
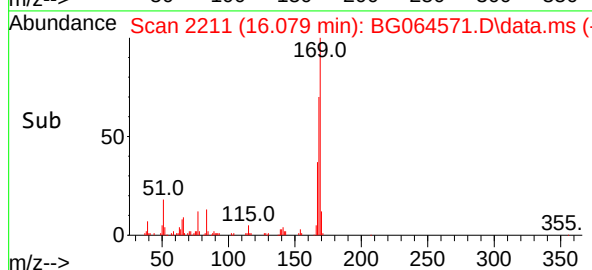
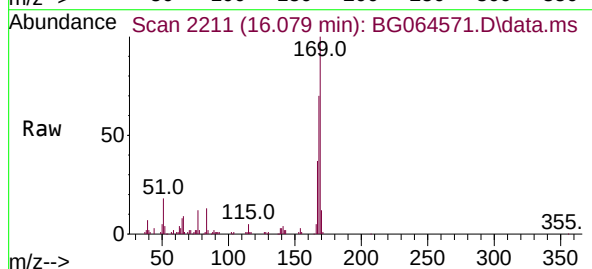
Manual Integrations
APPROVED

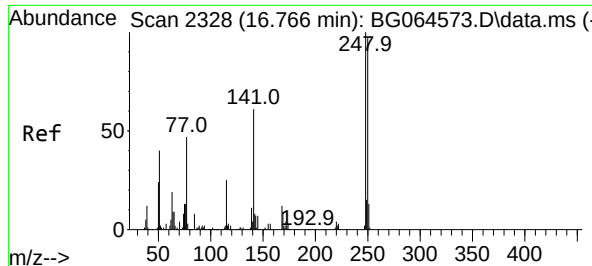
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#66
n-Nitrosodiphenylamine
Concen: 10.197 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

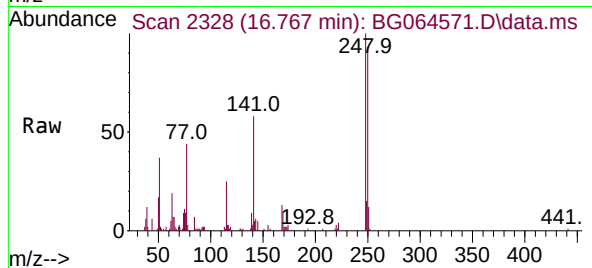
Tgt Ion:169 Resp: 82787
Ion Ratio Lower Upper
169 100
168 69.7 56.3 84.5
167 37.4 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 9.949 ng
RT: 16.767 min Scan# 2328
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

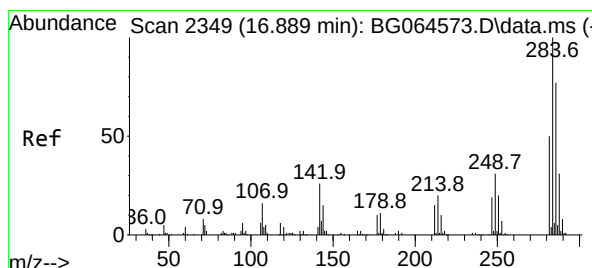
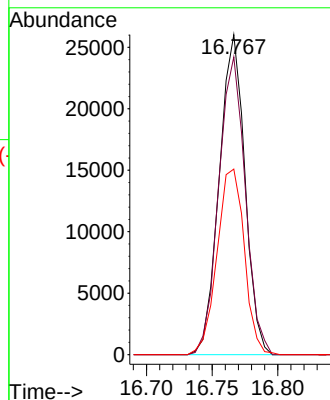
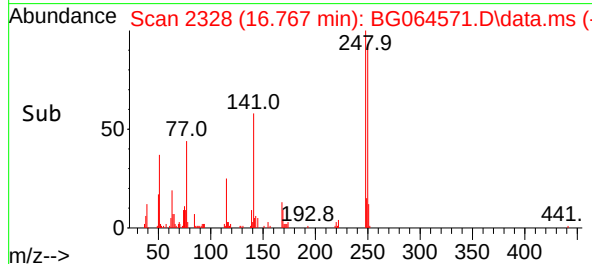
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



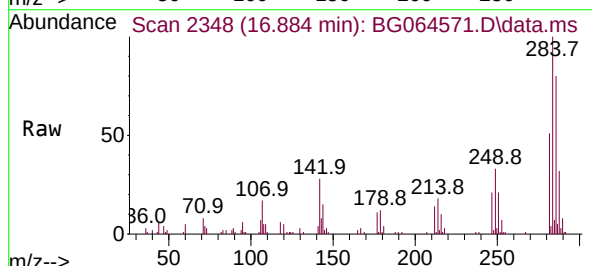
Tgt Ion:248 Resp: 35433
Ion Ratio Lower Upper
248 100
250 93.0 77.7 116.5
141 58.0 48.6 72.8

Manual Integrations
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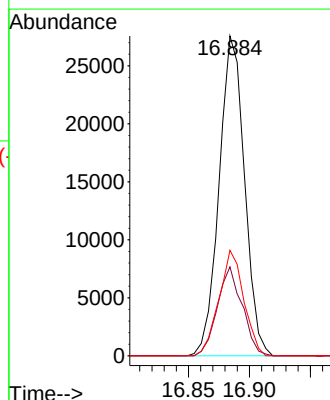
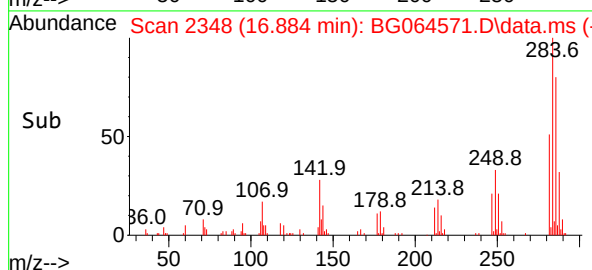
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

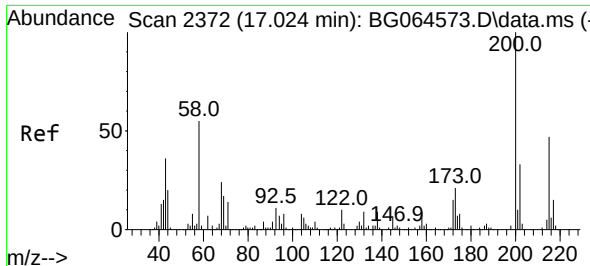


#68
Hexachlorobenzene
Concen: 9.838 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



Tgt Ion:284 Resp: 39975
Ion Ratio Lower Upper
284 100
142 27.8 21.0 31.6
249 35.9 24.9 37.3





#69

Atrazine

Concen: 9.785 ng

RT: 17.019 min Scan# 2371

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

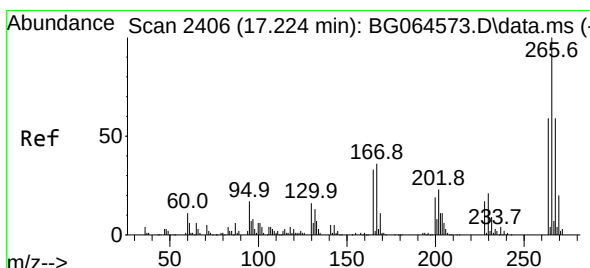
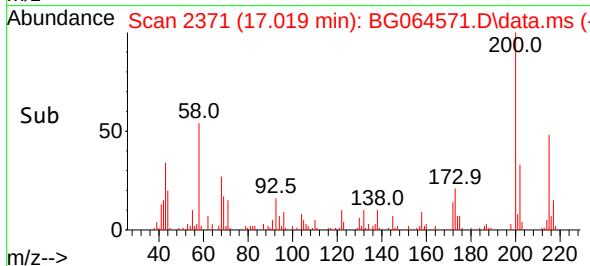
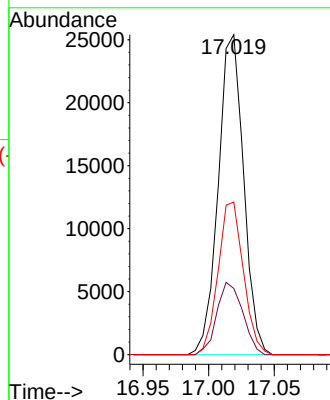
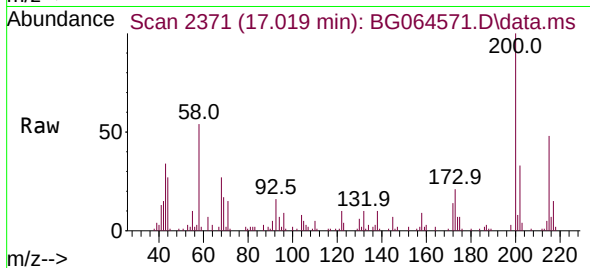
ClientSampleId :

SSTDICC010

Tgt Ion:200 Resp: 34185
Ion Ratio Lower Upper
200 100
173 20.7 0.9 40.9
215 47.7 27.0 67.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#70

Pentachlorophenol

Concen: 7.838 ng

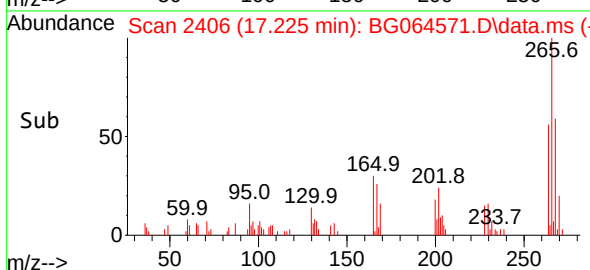
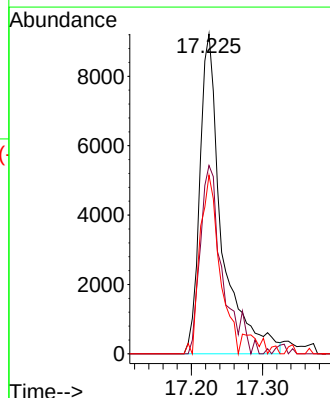
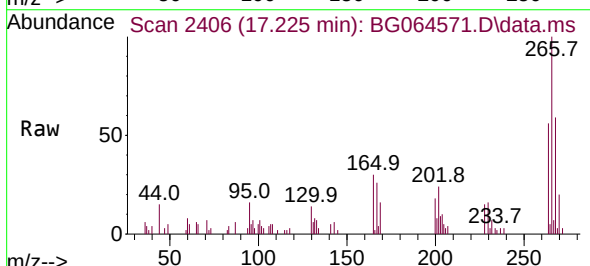
RT: 17.225 min Scan# 2406

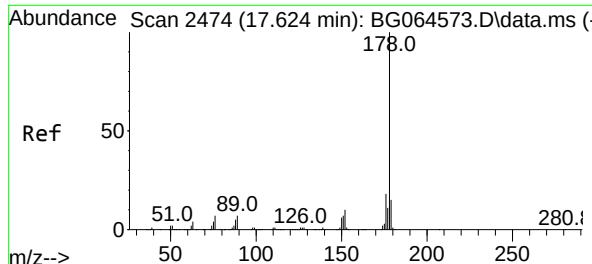
Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

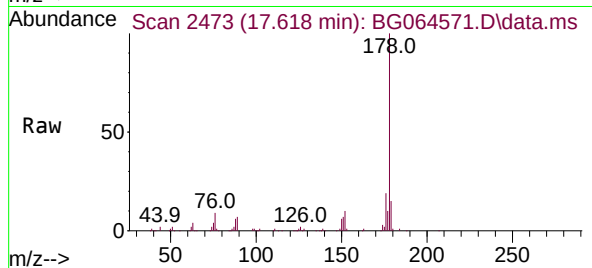
Tgt Ion:266 Resp: 19859
Ion Ratio Lower Upper
266 100
268 58.9 50.3 75.5
264 61.2 47.3 70.9





#71
Phenanthrene
Concen: 10.361 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

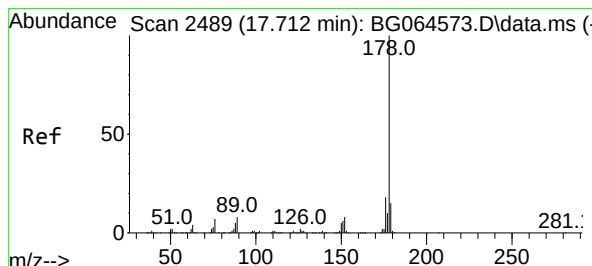
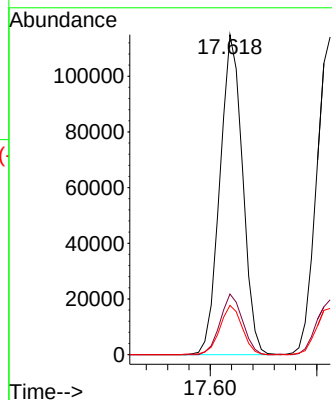
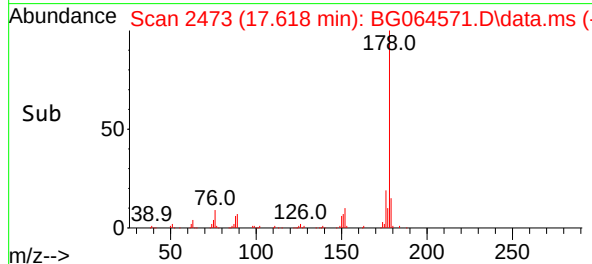
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:178 Resp: 170294
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.4 12.2 18.4

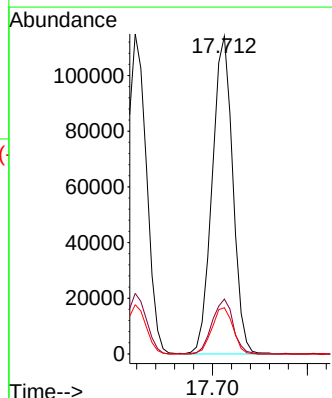
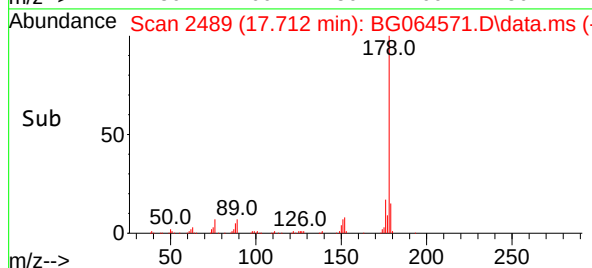
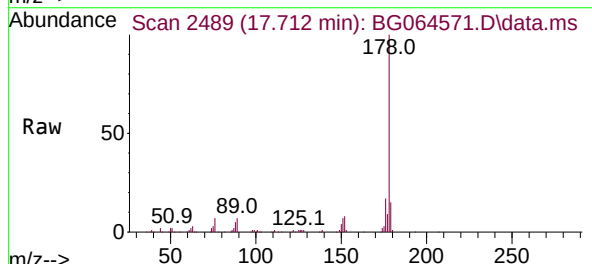
Manual Integrations
APPROVED

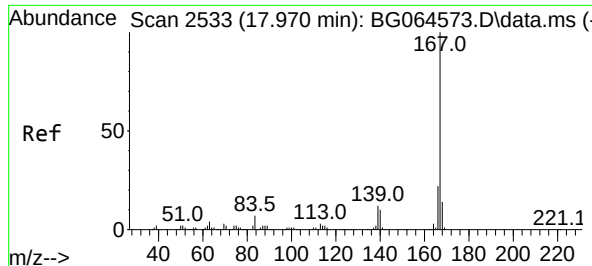
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#72
Anthracene
Concen: 10.279 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:178 Resp: 171860
Ion Ratio Lower Upper
178 100
176 17.2 14.4 21.6
179 14.5 12.4 18.6





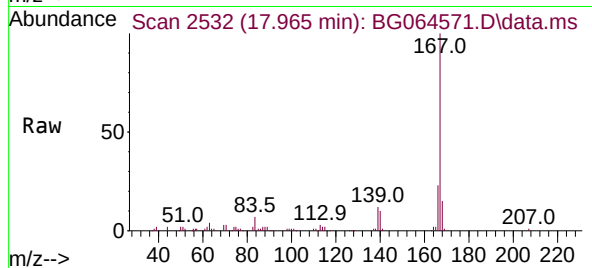
#73
Carbazole
Concen: 10.575 ng
RT: 17.965 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

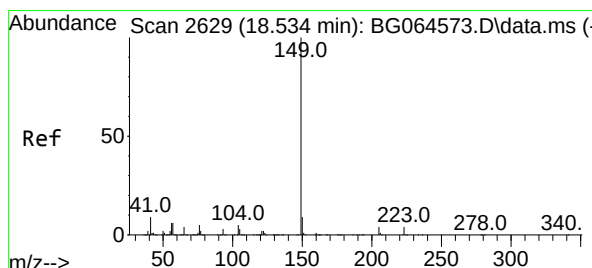
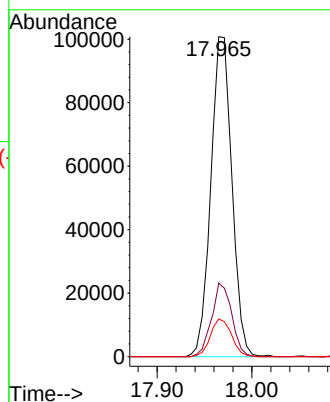
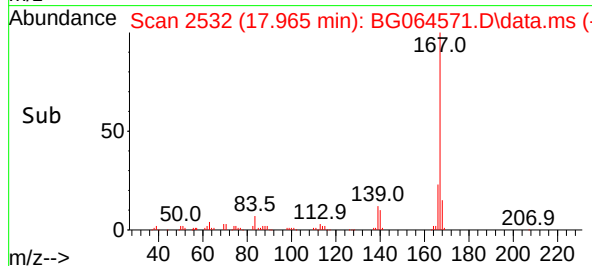
SSTDICC010



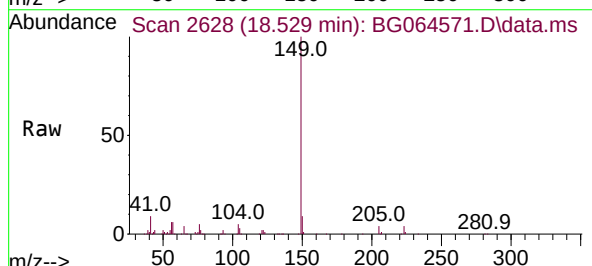
Tgt Ion:167 Resp: 15590
Ion Ratio Lower Upper
167 100
166 23.0 17.9 26.9
139 11.8 9.7 14.5

Manual Integrations
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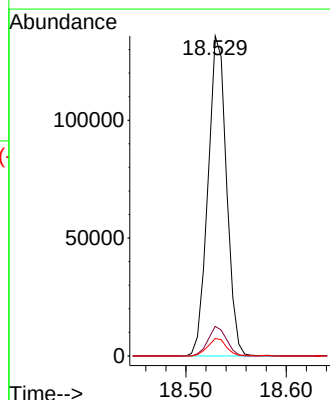
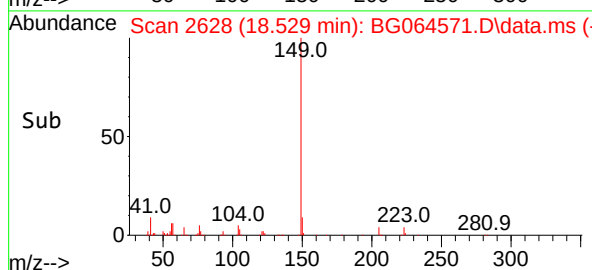
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

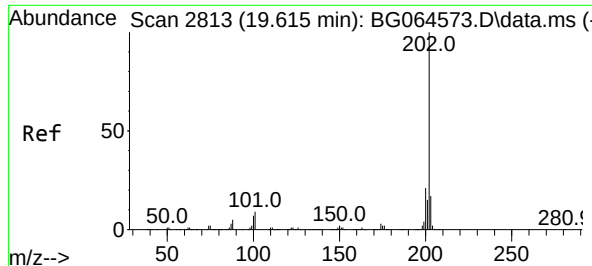


#74
Di-n-butylphthalate
Concen: 10.189 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



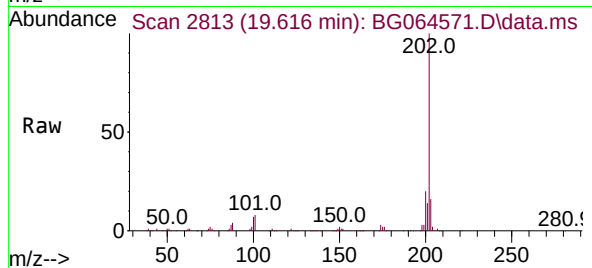
Tgt Ion:149 Resp: 173716
Ion Ratio Lower Upper
149 100
150 9.2 7.0 10.6
104 5.5 4.1 6.1





#75
Fluoranthene
Concen: 10.677 ng
RT: 19.616 min Scan# 2813
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

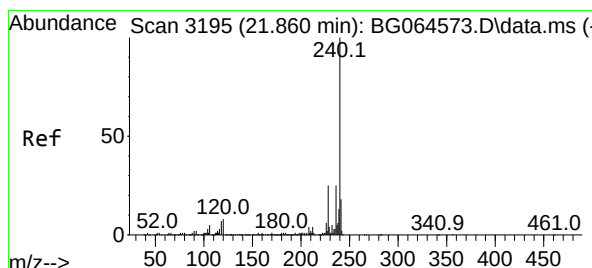
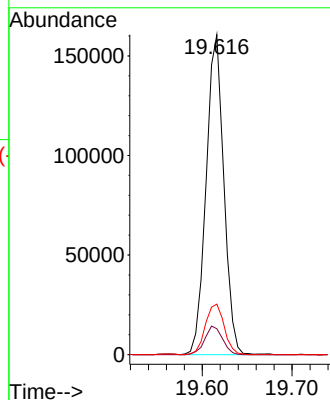
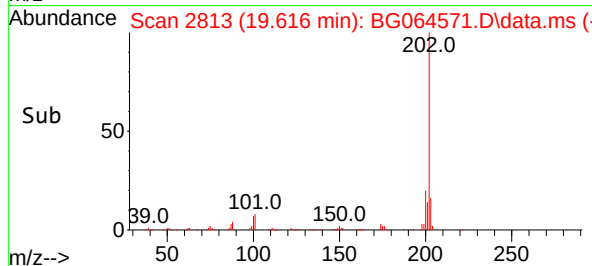
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 219838
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.7
203 15.8 0.0 37.0

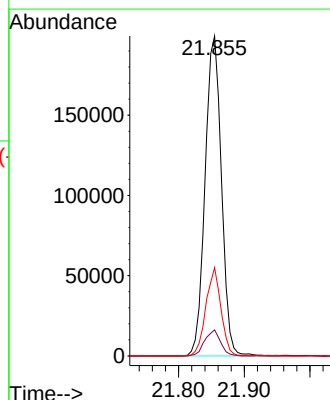
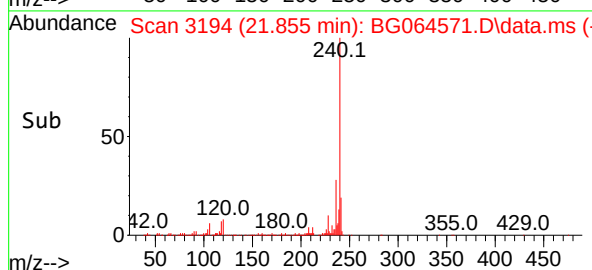
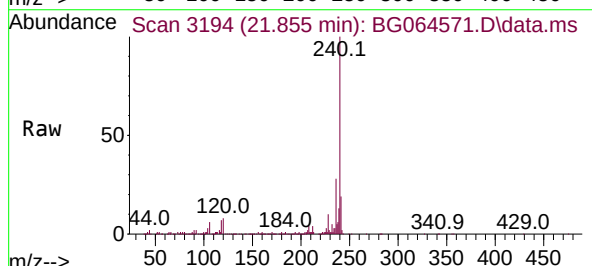
Manual Integrations
APPROVED

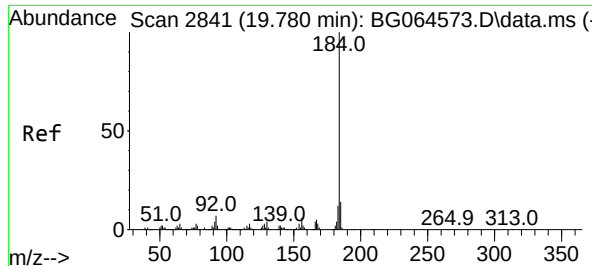
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

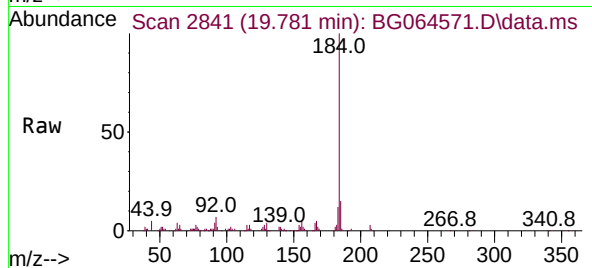
Tgt Ion:240 Resp: 343958
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 27.6 20.2 30.2





#77
Benzidine
Concen: 8.750 ng
RT: 19.781 min Scan# 2841
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

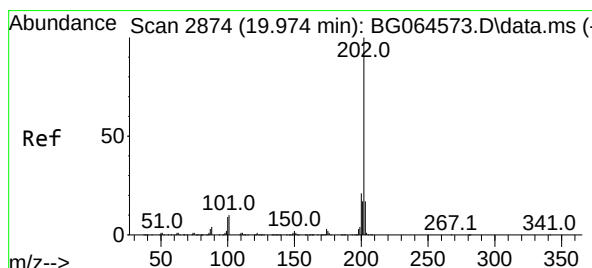
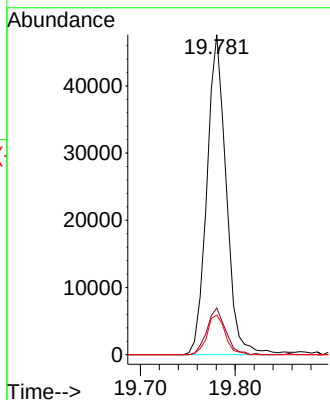
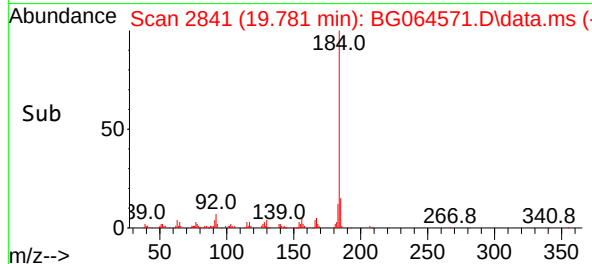
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:184 Resp: 67427
Ion Ratio Lower Upper
184 100
185 14.6 11.4 17.2
183 12.3 9.4 14.2

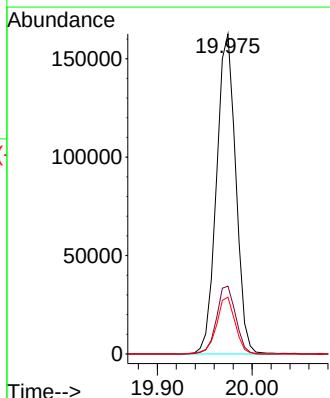
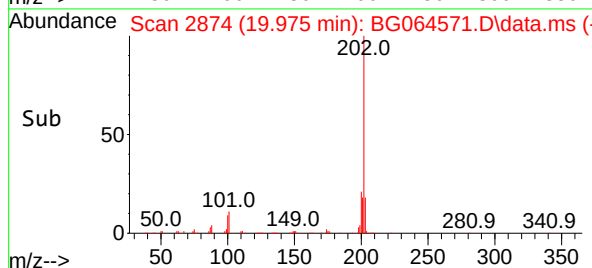
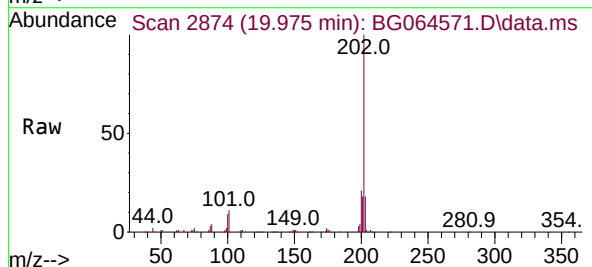
Manual Integrations
APPROVED

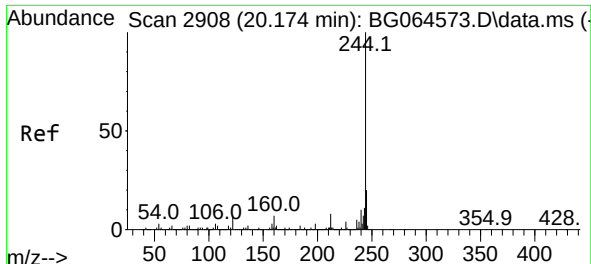
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#78
Pyrene
Concen: 10.186 ng
RT: 19.975 min Scan# 2874
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

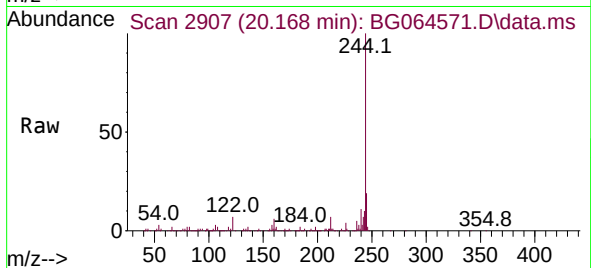
Tgt Ion:202 Resp: 228905
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.7 13.8 20.6





#79
Terphenyl-d14
Concen: 21.129 ng
RT: 20.168 min Scan# 2907
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

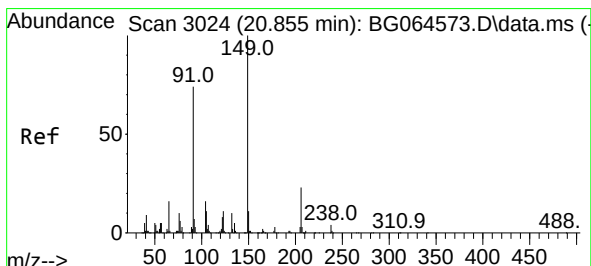
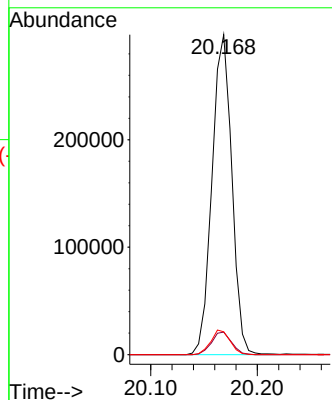
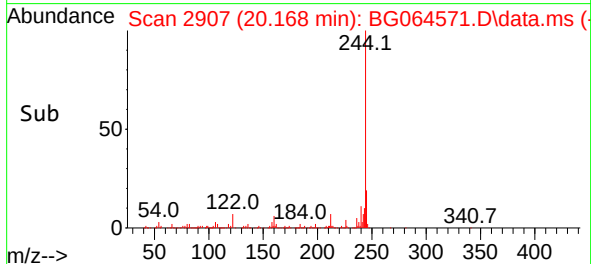
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



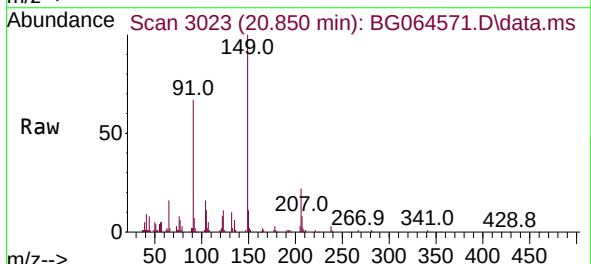
Tgt Ion:244 Resp: 385094
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 7.2 5.6 8.4

Manual Integrations
APPROVED

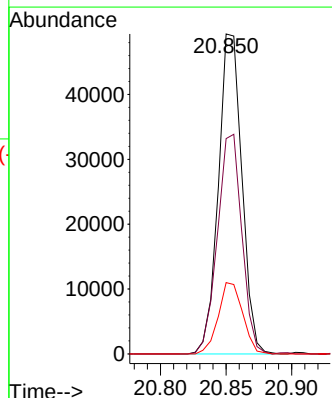
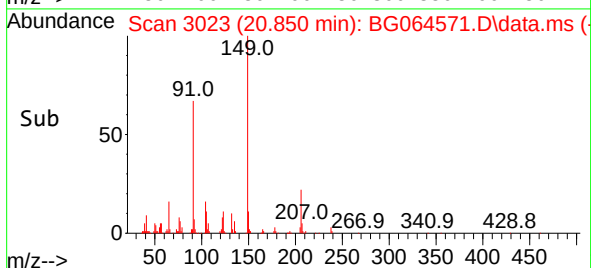
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

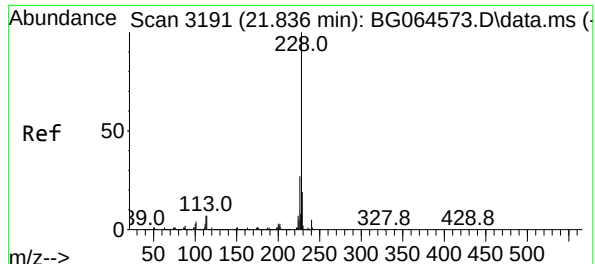


#80
Butylbenzylphthalate
Concen: 9.080 ng
RT: 20.850 min Scan# 3023
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



Tgt Ion:149 Resp: 61669
Ion Ratio Lower Upper
149 100
91 67.3 59.2 88.8
206 22.3 18.1 27.1





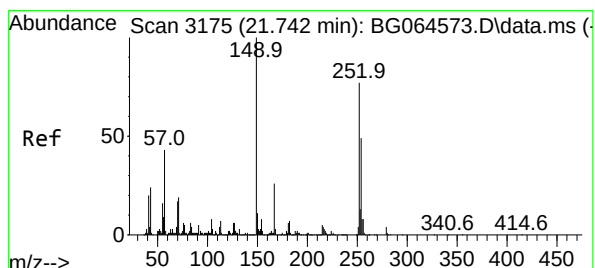
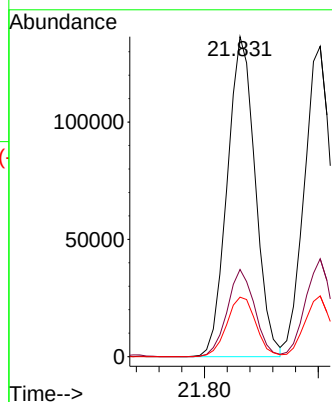
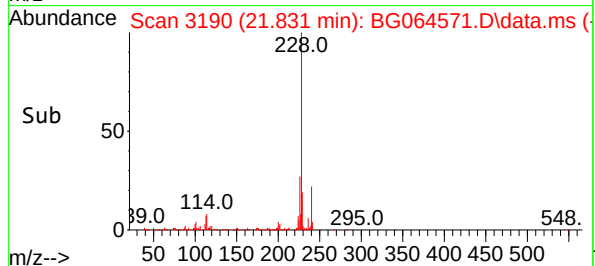
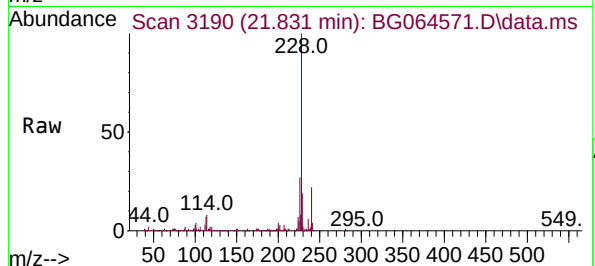
#81
Benzo(a)anthracene
Concen: 10.219 ng
RT: 21.831 min Scan# 3191
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 23305
Ion Ratio Lower Upper
228 100
226 27.2 21.9 32.9
229 18.6 15.6 23.4

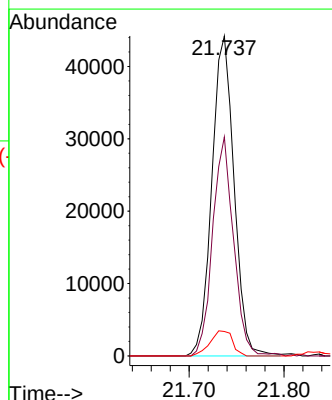
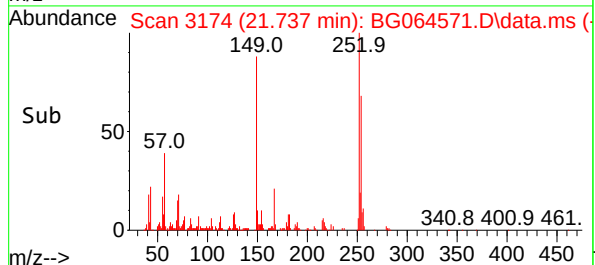
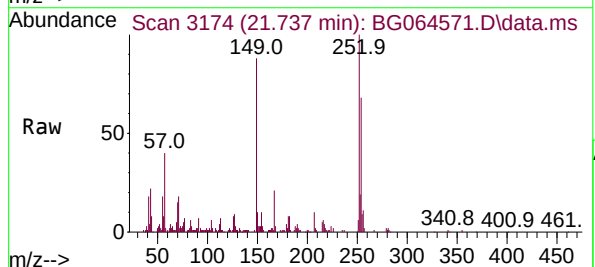
Manual Integrations
APPROVED

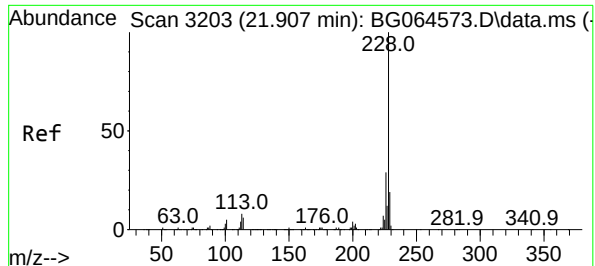
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 9.448 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 71951
Ion Ratio Lower Upper
252 100
254 68.4 50.8 76.2
126 7.6 5.8 8.6





#83

Chrysene

Concen: 10.231 ng

RT: 21.902 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

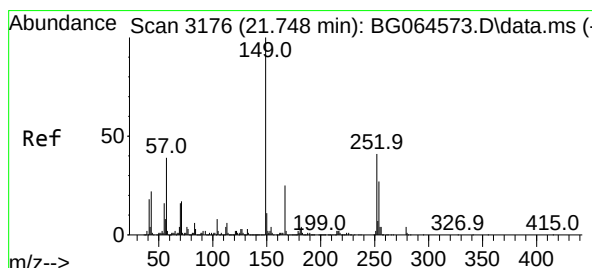
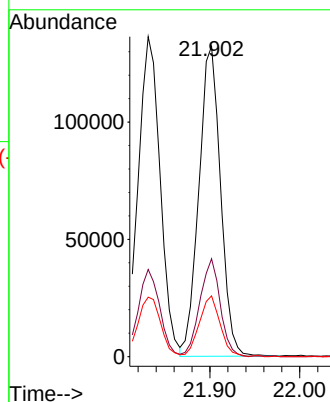
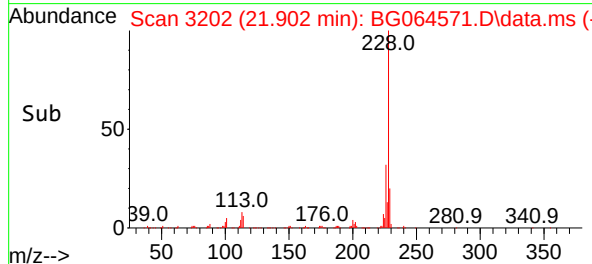
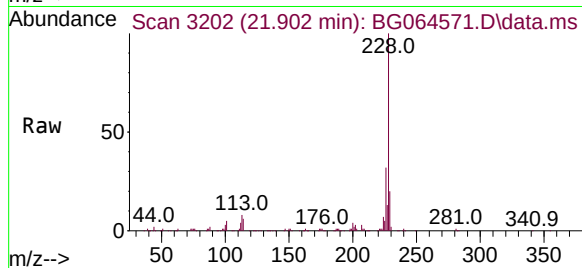
ClientSampleId :

SSTDICC010

Tgt Ion:228	Resp:	222018
Ion Ratio	Lower	Upper
228	100	
226	31.5	23.3 34.9
229	19.6	15.2 22.8

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.410 ng

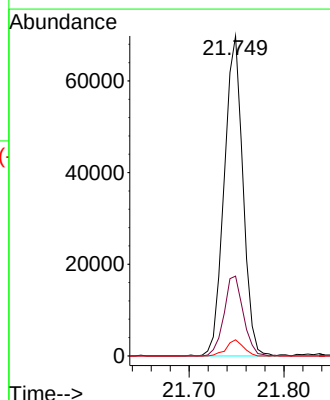
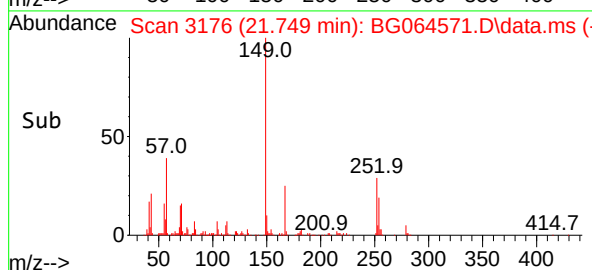
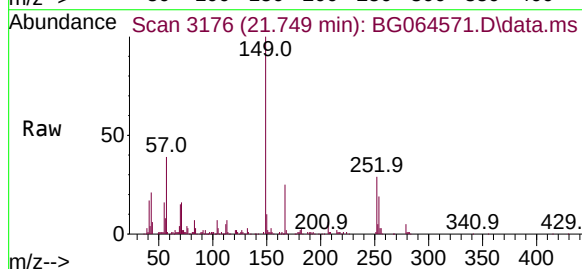
RT: 21.749 min Scan# 3176

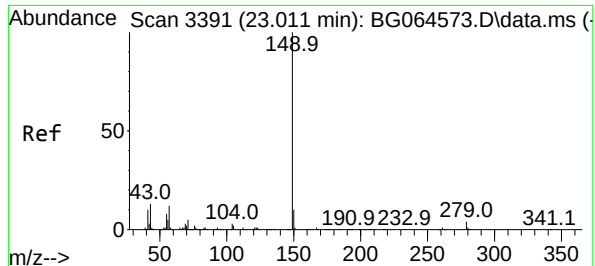
Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

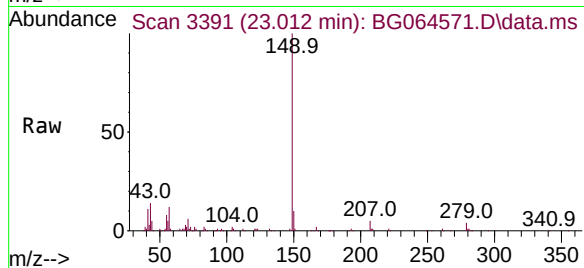
Tgt Ion:149	Resp:	95500
Ion Ratio	Lower	Upper
149	100	
167	24.9	20.0 30.0
279	5.0	3.1 4.7#





#85
Di-n-octyl phthalate
Concen: 8.759 ng
RT: 23.012 min Scan# 3391
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

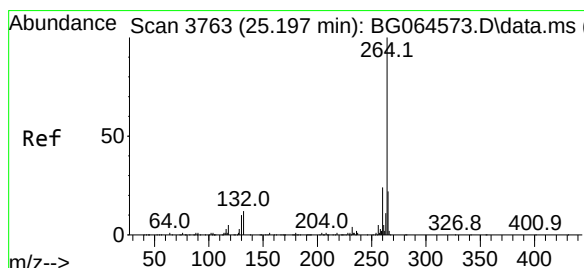
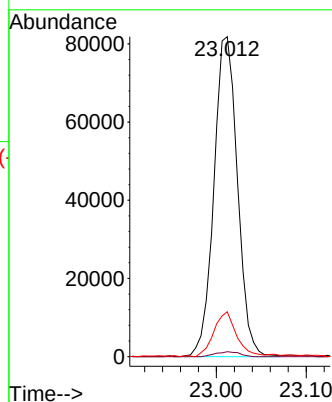
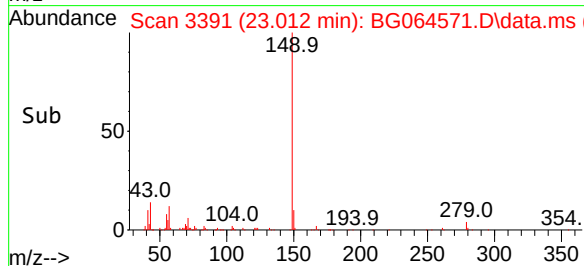
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



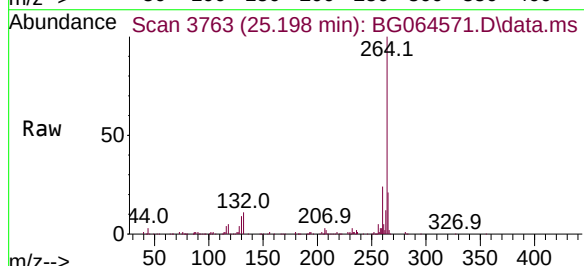
Tgt Ion:149 Resp: 149872
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.9 10.8 16.2

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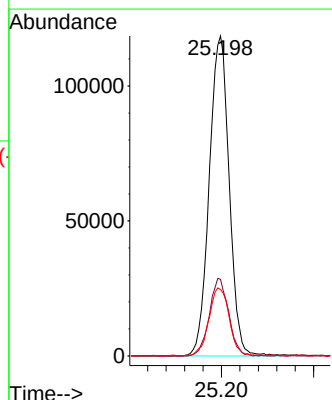
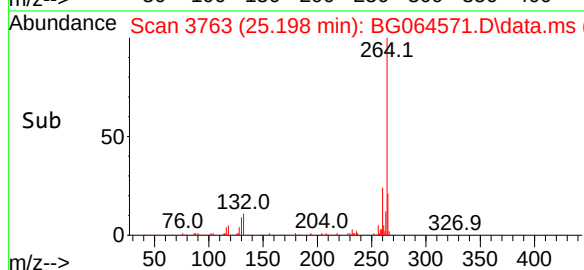
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

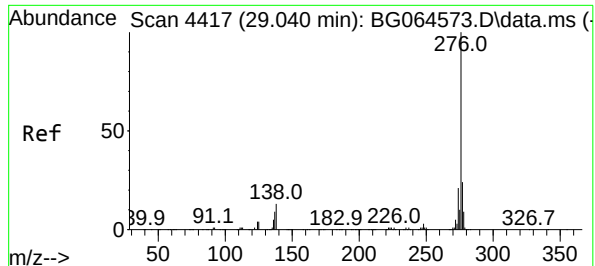


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



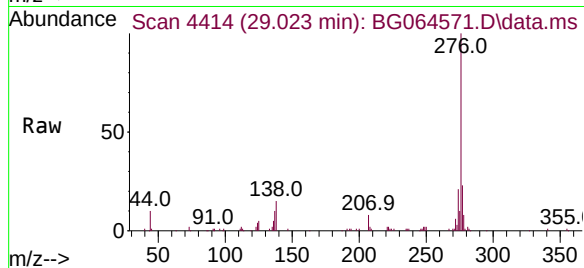
Tgt Ion:264 Resp: 354939
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 20.7 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.132 ng
RT: 29.023 min Scan# 4417
Delta R.T. -0.038 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

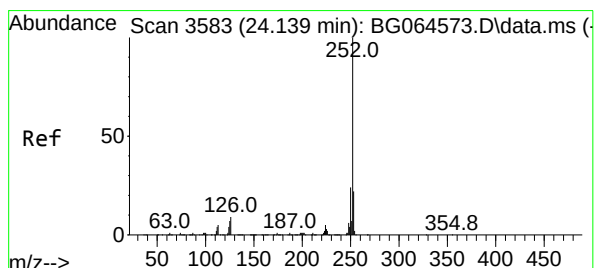
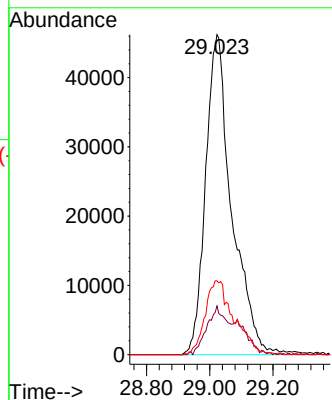
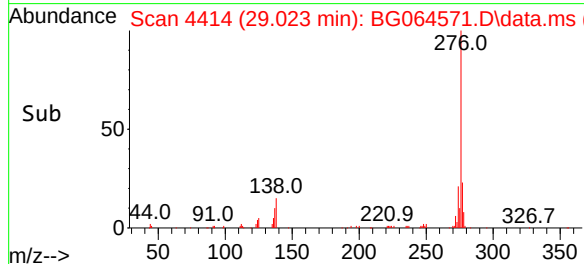
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion: 276 Resp: 26454
Ion Ratio Lower Upper
276 100
138 11.8 10.8 16.2
277 20.9 20.1 30.1

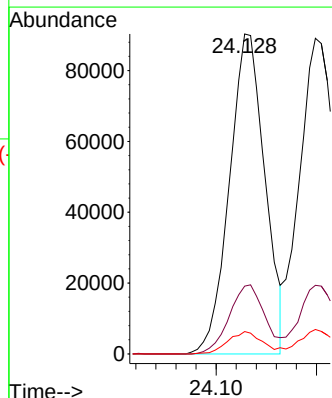
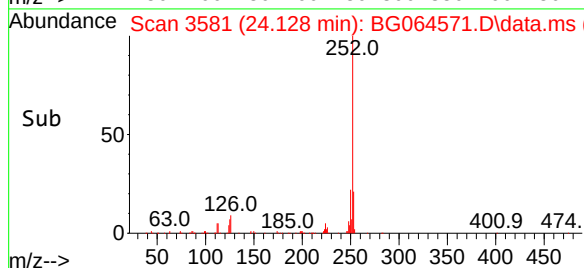
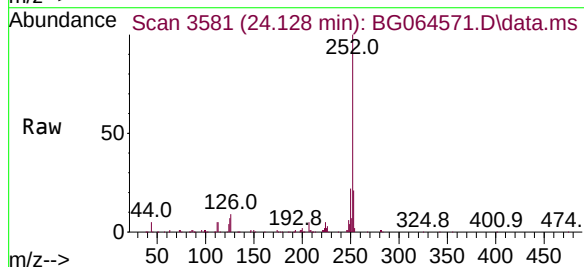
Manual Integrations
APPROVED

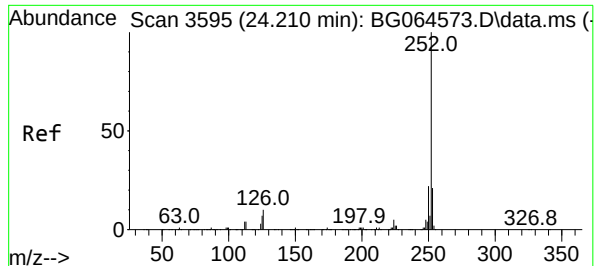
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#88
Benzo(b)fluoranthene
Concen: 10.163 ng
RT: 24.128 min Scan# 3581
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 252 Resp: 221197
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.8
125 7.0 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 10.270 ng

RT: 24.199 min Scan# 3593

Delta R.T. -0.020 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

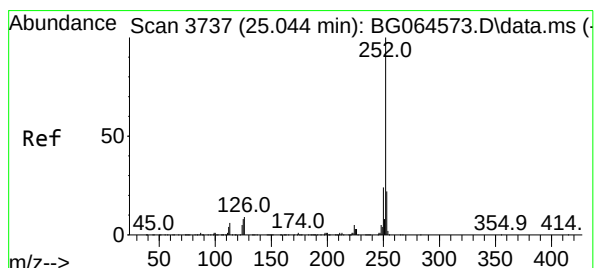
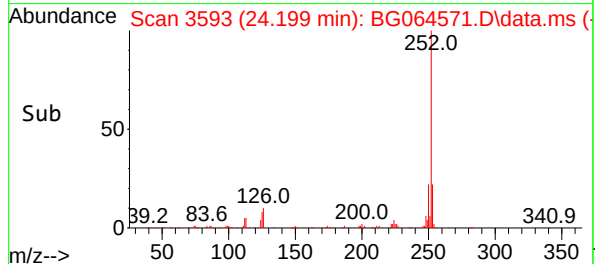
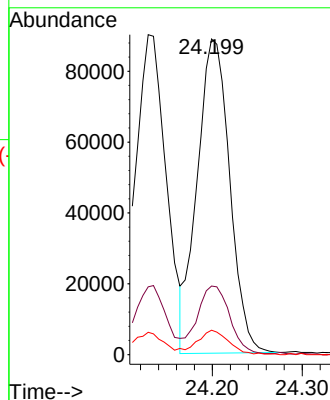
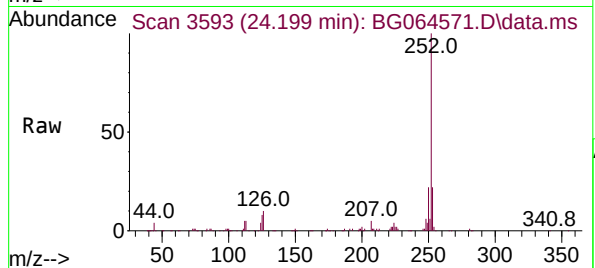
ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 223674
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 7.7 5.4 8.0

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 10.146 ng

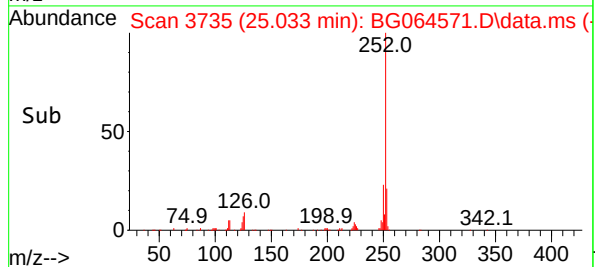
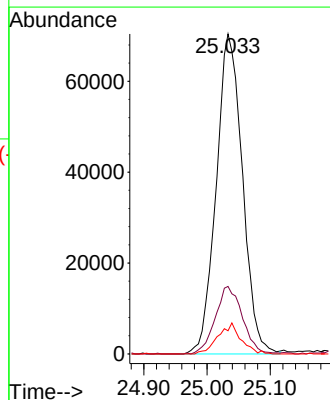
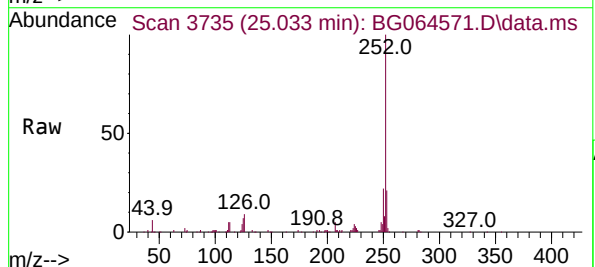
RT: 25.033 min Scan# 3735

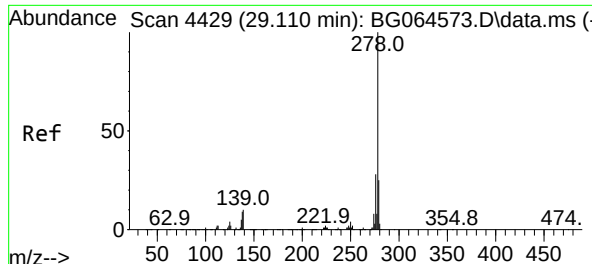
Delta R.T. -0.026 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 202985
Ion Ratio Lower Upper
252 100
253 21.1 17.6 26.4
125 7.2 6.1 9.1





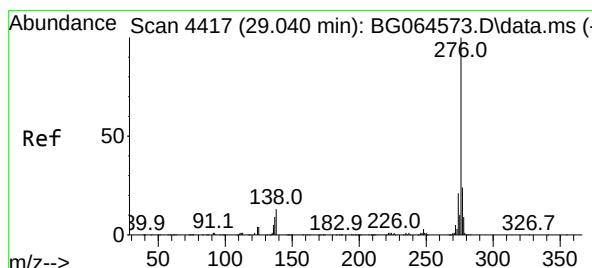
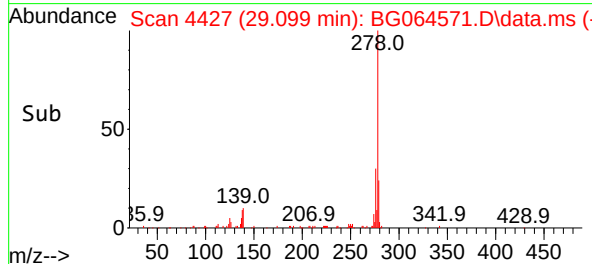
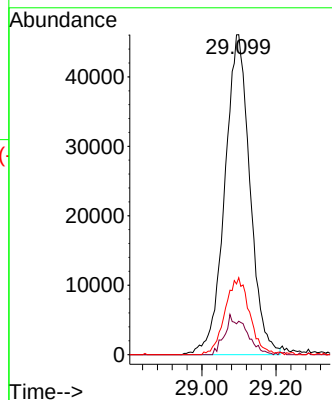
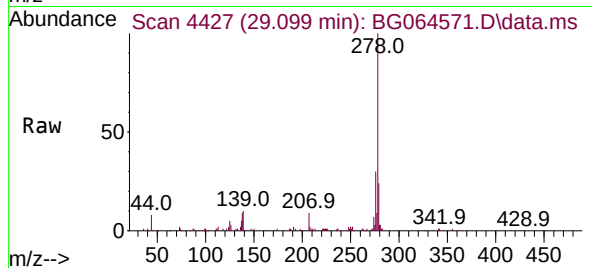
#91
Dibenzo(a,h)anthracene
Concen: 10.235 ng
RT: 29.099 min Scan# 4429
Delta R.T. -0.038 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 217114
Ion Ratio Lower Upper
278 100
139 10.4 8.0 12.0
279 24.0 19.8 29.6

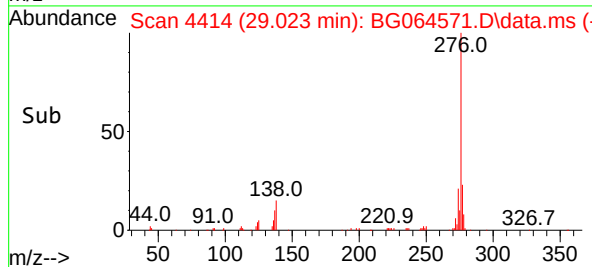
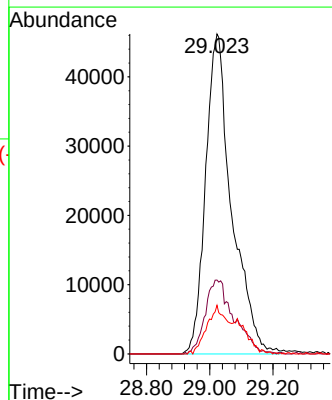
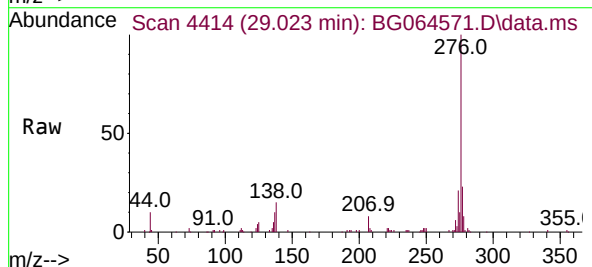
Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 10.132 ng
RT: 29.023 min Scan# 4414
Delta R.T. -0.038 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:276 Resp: 264547
Ion Ratio Lower Upper
276 100
277 23.1 19.2 28.8
138 15.2 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064572.D
 Acq On : 24 Oct 2025 12:23
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:03 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	46818	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	192551	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	147520	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	357228	20.000	ng	0.00
76) Chrysene-d12	21.854	240	408574	20.000	ng	0.00
86) Perylene-d12	25.198	264	430370	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	108123	38.764	ng	0.00
7) Phenol-d6	7.348	99	146608	38.304	ng	0.00
23) Nitrobenzene-d5	9.381	82	121107	37.777	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	80231	37.682	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	385251	39.584	ng	0.00
79) Terphenyl-d14	20.168	244	870741	40.219	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.588	88	24533	19.867	ng	99
3) Pyridine	3.999	79	72660	19.593	ng	96
4) n-Nitrosodimethylamine	3.905	42	37799	19.007	ng	# 90
6) Aniline	7.530	93	99762	19.155	ng	99
8) 2-Chlorophenol	7.777	128	56018	19.187	ng	93
9) Benzaldehyde	7.342	77	46540	22.273	ng	97
10) Phenol	7.377	94	81849	19.337	ng	97
11) bis(2-Chloroethyl)ether	7.530	93	99762	19.155	ng	97
12) 1,3-Dichlorobenzene	8.112	146	65241	19.415	ng	99
13) 1,4-Dichlorobenzene	8.259	146	67506	19.758	ng	94
14) 1,2-Dichlorobenzene	8.582	146	63867	19.380	ng	99
15) Benzyl Alcohol	8.447	79	59123	18.732	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.740	45	158985	19.476	ng	97
17) 2-Methylphenol	8.447	107	30239	19.167	ng	94
18) Hexachloroethane	9.322	117	23663	19.735	ng	97
19) n-Nitroso-di-n-propyla...	9.022	70	52857	19.982	ng	# 94
20) 3+4-Methylphenols	8.969	107	74026	18.730	ng	94
22) Acetophenone	9.040	105	101737	19.328	ng	96
24) Nitrobenzene	9.422	77	66292	19.012	ng	95
25) Isophorone	9.951	82	148388	19.290	ng	98
26) 2-Nitrophenol	10.145	139	21166	17.837	ng	92
27) 2,4-Dimethylphenol	10.192	122	54972	18.834	ng	90
28) bis(2-Chloroethoxy)met...	10.432	93	85225	19.458	ng	97
29) 2,4-Dichlorophenol	10.679	162	60695	19.710	ng	96
30) 1,2,4-Trichlorobenzene	10.908	180	67078	19.171	ng	97
31) Naphthalene	11.096	128	208734	19.552	ng	99
32) Benzoic acid	10.274	122	27545m	18.129	ng	
33) 4-Chloroaniline	11.190	127	79067	19.055	ng	96
34) Hexachlorobutadiene	11.390	225	54233	19.820	ng	98
35) Caprolactam	11.931	113	22010	18.635	ng	93
36) 4-Chloro-3-methylphenol	12.289	107	69582	18.798	ng	92
37) 2-Methylnaphthalene	12.689	142	153445	19.577	ng	97
38) 1-Methylnaphthalene	12.906	142	149456	19.379	ng	97
40) 1,2,4,5-Tetrachloroben...	13.053	216	95653	19.320	ng	99
41) Hexachlorocyclopentadiene	13.035	237	41178	18.479	ng	97
43) 2,4,6-Trichlorophenol	13.276	196	55295	19.525	ng	95

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 Data File : BG064572.D
 Acq On : 24 Oct 2025 12:23
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:03 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

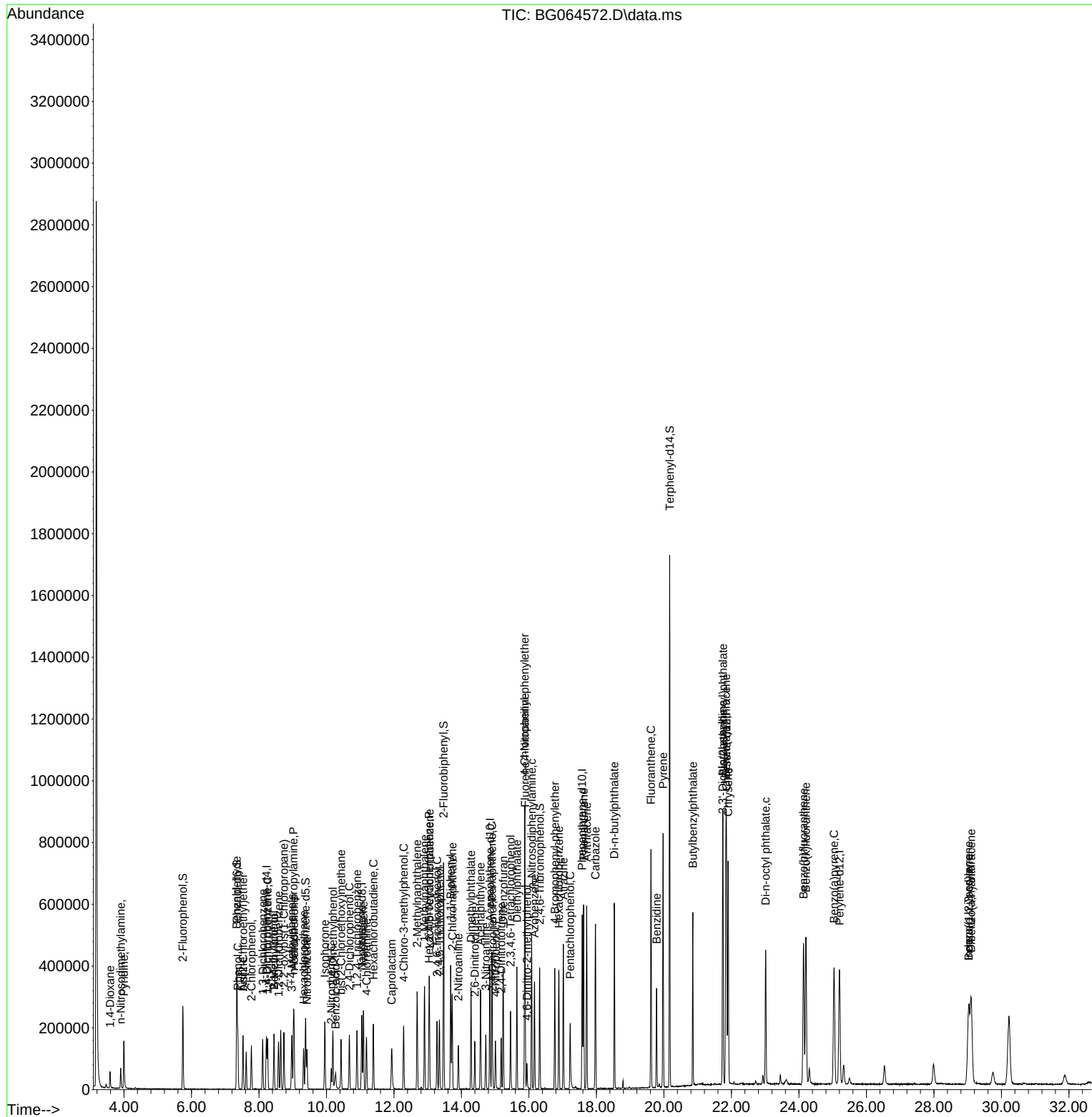
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44) 2,4,5-Trichlorophenol	13.347	196	64753	19.814	ng	93
46) 1,1'-Biphenyl	13.682	154	206656	19.705	ng	94
47) 2-Chloronaphthalene	13.729	162	155356	19.625	ng	99
48) 2-Nitroaniline	13.911	65	40854	17.565	ng	98
49) Acenaphthylene	14.563	152	242914	19.454	ng	98
50) Dimethylphthalate	14.281	163	219575	19.452	ng	99
51) 2,6-Dinitrotoluene	14.393	165	28427	17.440	ng	96
52) Acenaphthene	14.904	154	164542	19.287	ng	96
53) 3-Nitroaniline	14.722	138	37234	19.193	ng	# 99
54) 2,4-Dinitrophenol	14.921	184	16182	18.744	ng	# 29
55) Dibenzofuran	15.239	168	269419	19.534	ng	98
56) 4-Nitrophenol	15.009	139	31366	17.439	ng	90
57) 2,4-Dinitrotoluene	15.180	165	44209	17.427	ng	# 96
58) Fluorene	15.885	166	210426	19.536	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.456	232	59314	18.980	ng	99
60) Diethylphthalate	15.644	149	223398	19.382	ng	99
61) 4-Chlorophenyl-phenyle...	15.873	204	116865	19.333	ng	98
62) 4-Nitroaniline	15.879	138	42261	19.582	ng	99
63) Azobenzene	16.161	77	203101	19.205	ng	99
65) 4,6-Dinitro-2-methylph...	15.944	198	22843	18.316	ng	92
66) n-Nitrosodiphenylamine	16.079	169	187560	19.437	ng	98
67) 4-Bromophenyl-phenylether	16.766	248	82311	19.444	ng	98
68) Hexachlorobenzene	16.890	284	93647	19.391	ng	96
69) Atrazine	17.019	200	88832	21.392	ng	95
70) Pentachlorophenol	17.219	266	54275	18.022	ng	88
71) Phenanthrene	17.618	178	383359	19.624	ng	99
72) Anthracene	17.712	178	393312	19.792	ng	100
73) Carbazole	17.971	167	350722	20.014	ng	99
74) Di-n-butylphthalate	18.529	149	421239	20.788	ng	100
75) Fluoranthene	19.616	202	492924	20.142	ng	99
77) Benzidine	19.780	184	194070	21.201	ng	99
78) Pyrene	19.974	202	524431	19.646	ng	99
80) Butylbenzylphthalate	20.856	149	158394	19.633	ng	97
81) Benzo(a)anthracene	21.837	228	528009	19.490	ng	100
82) 3,3'-Dichlorobenzidine	21.737	252	174803	19.323	ng	99
83) Chrysene	21.901	228	502125	19.479	ng	97
84) Bis(2-ethylhexyl)phtha...	21.749	149	237524	19.703	ng	100
85) Di-n-octyl phthalate	23.012	149	380895	18.740	ng	99
87) Indeno(1,2,3-cd)pyrene	29.028	276	606702	19.163	ng	99
88) Benzo(b)fluoranthene	24.134	252	503145	19.066	ng	98
89) Benzo(k)fluoranthene	24.205	252	518915	19.650	ng	99
90) Benzo(a)pyrene	25.039	252	470556	19.398	ng	98
91) Dibenzo(a,h)anthracene	29.099	278	498395	19.377	ng	97
92) Benzo(g,h,i)perylene	29.028	276	606702	19.163	ng	100

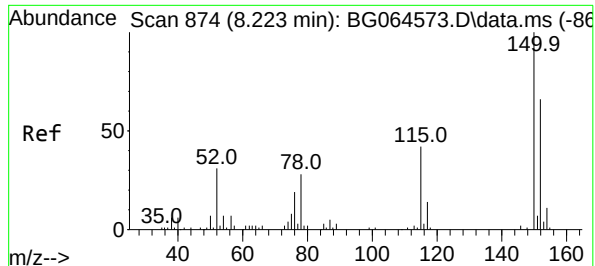
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Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations

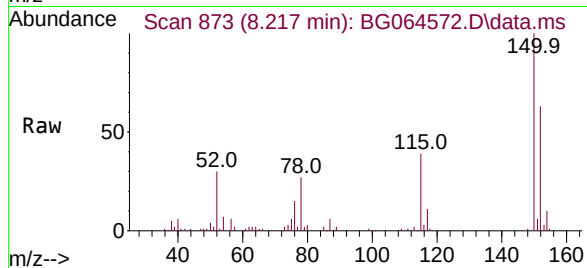
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

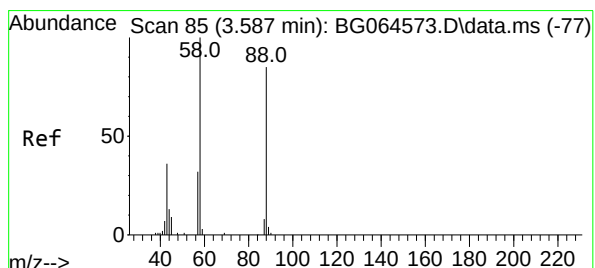
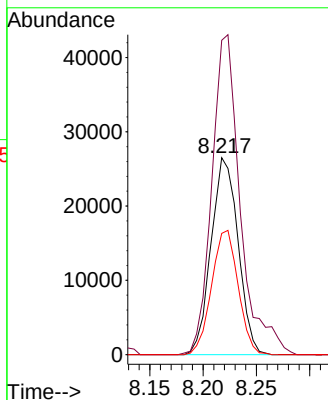
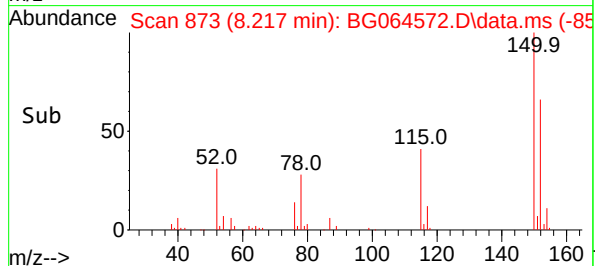
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 46818
Ion Ratio Lower Upper
152 100
150 159.6 122.2 183.4
115 61.5 50.8 76.2

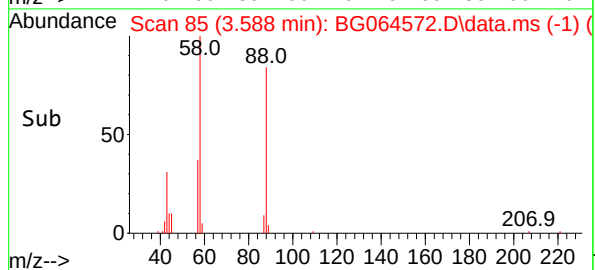
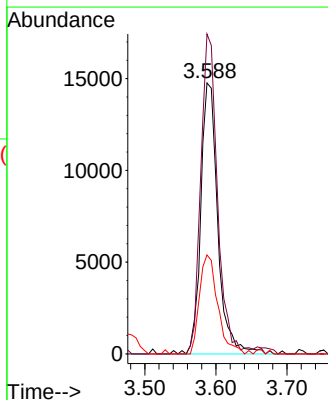
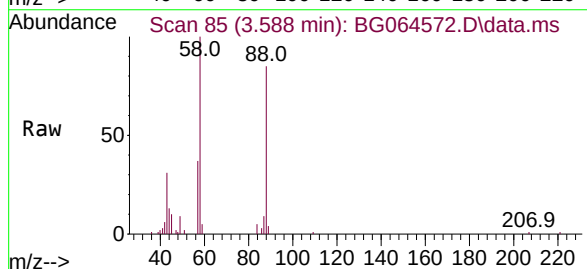
Manual Integrations
APPROVED

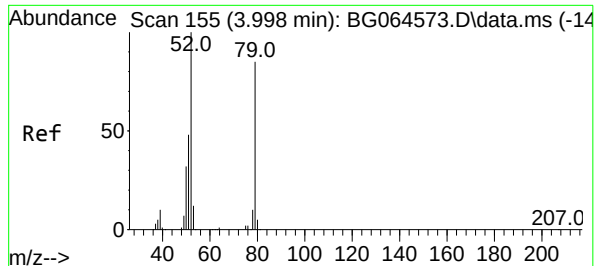
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#2
1,4-Dioxane
Concen: 19.867 ng
RT: 3.588 min Scan# 85
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

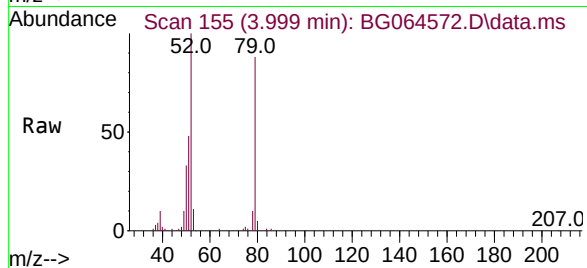
Tgt Ion: 88 Resp: 24533
Ion Ratio Lower Upper
88 100
58 114.9 92.4 138.6
43 38.9 33.0 49.6





#3
Pyridine
Concen: 19.593 ng
RT: 3.999 min Scan# 155
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

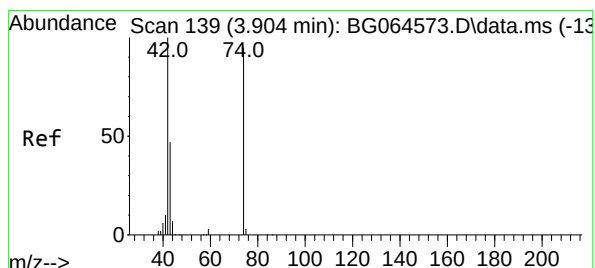
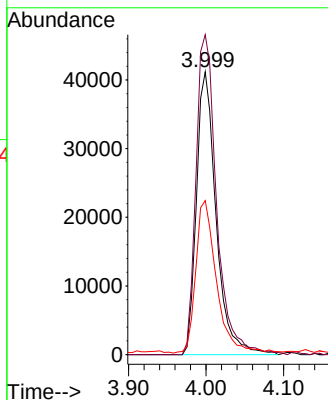
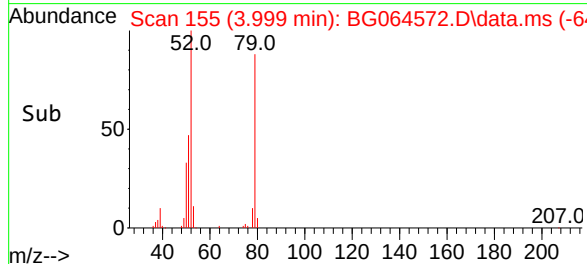
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion: 79 Resp: 72660
Ion Ratio Lower Upper
79 100
52 113.1 94.2 141.2
51 54.4 46.1 69.1

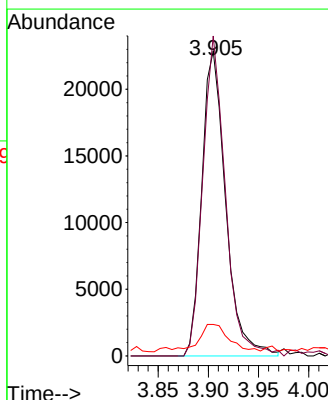
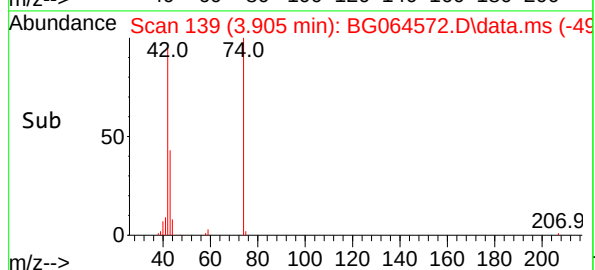
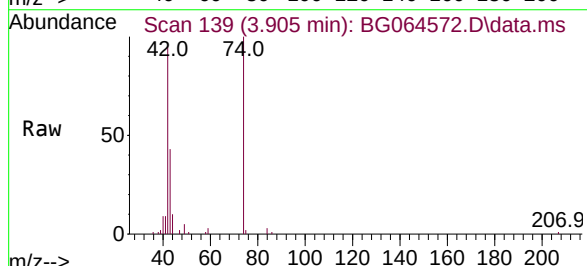
Manual Integrations
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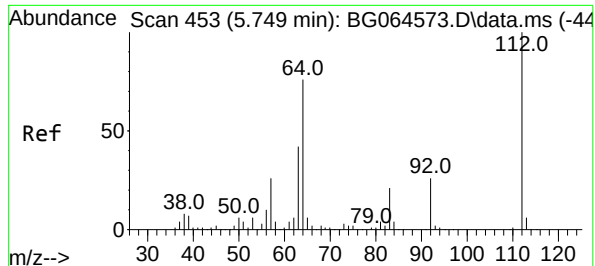
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#4
n-Nitrosodimethylamine
Concen: 19.007 ng
RT: 3.905 min Scan# 139
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 42 Resp: 37799
Ion Ratio Lower Upper
42 100
74 105.0 76.1 114.1
44 10.3 6.3 9.5#





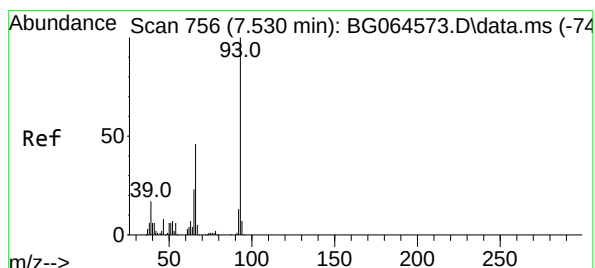
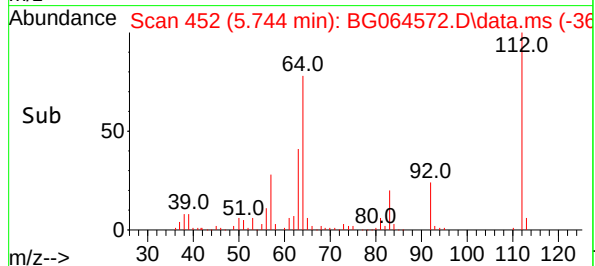
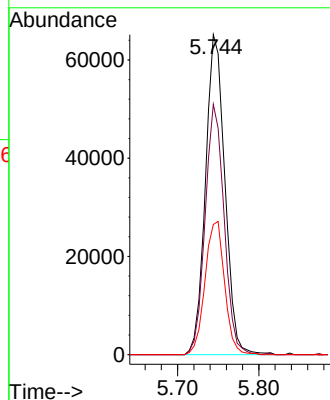
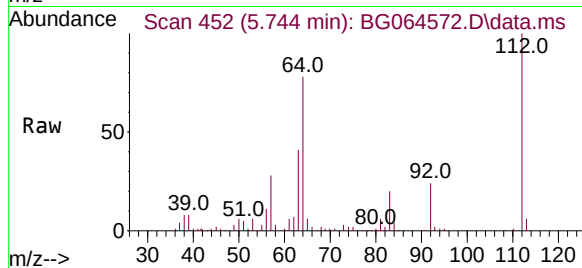
#5
2-Fluorophenol
Concen: 38.764 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 112 Resp: 108123
Ion Ratio Lower Upper
112 100
64 78.2 60.7 91.1
63 40.7 33.4 50.0

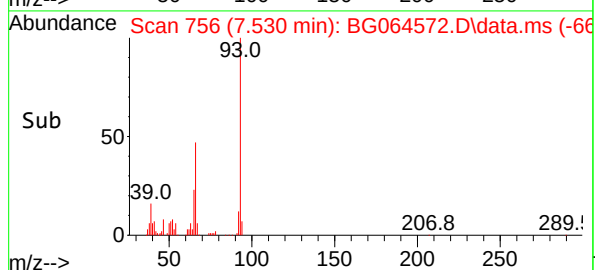
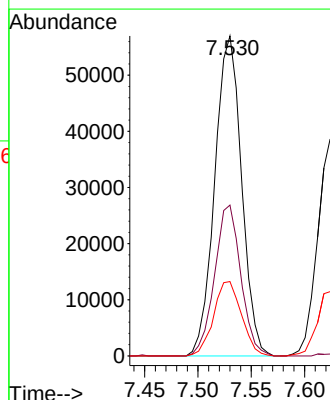
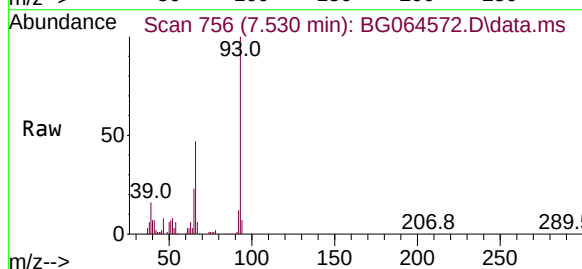
Manual Integrations
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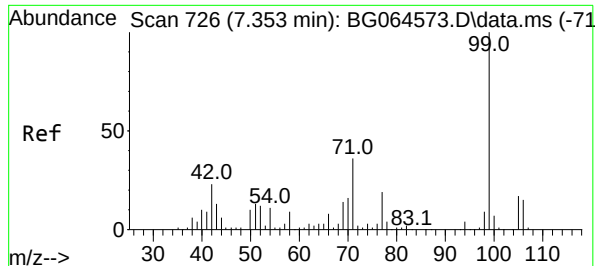
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 19.155 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 99762
Ion Ratio Lower Upper
93 100
66 47.2 37.0 55.6
65 23.2 18.3 27.5





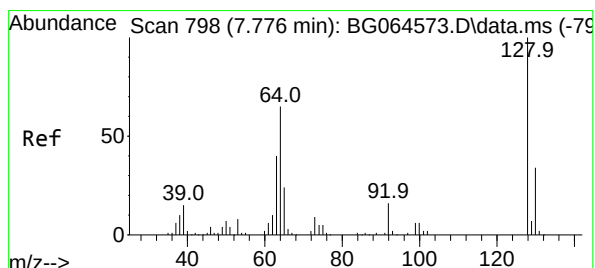
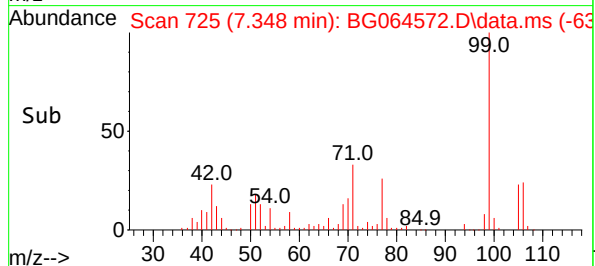
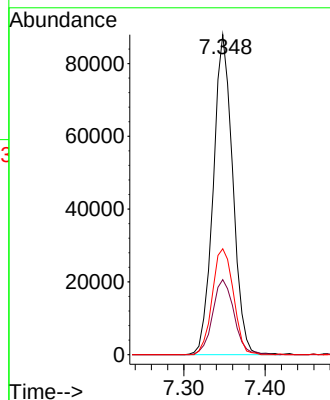
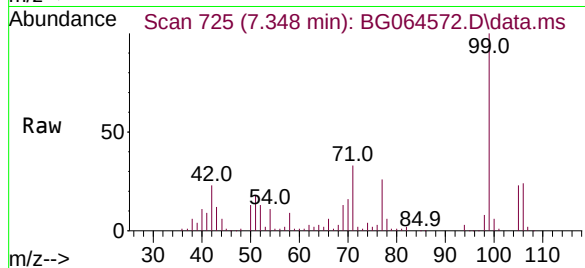
#7
Phenol-d6
Concen: 38.304 ng
RT: 7.348 min Scan# 725
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 146608
Ion Ratio Lower Upper
99 100
42 23.4 18.3 27.5
71 33.1 28.6 43.0

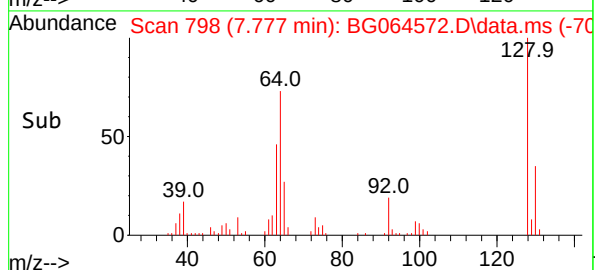
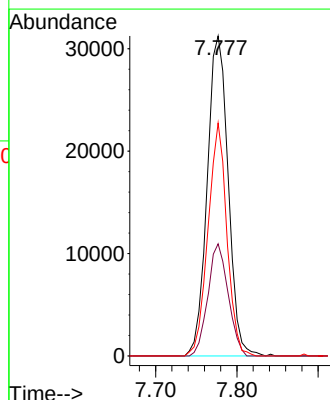
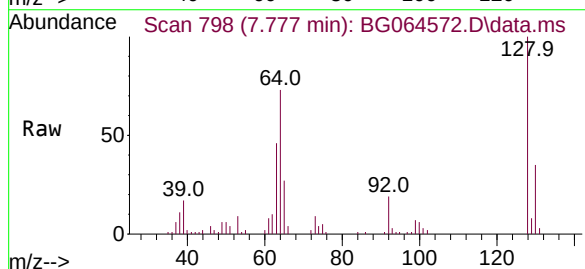
Manual Integrations
APPROVED

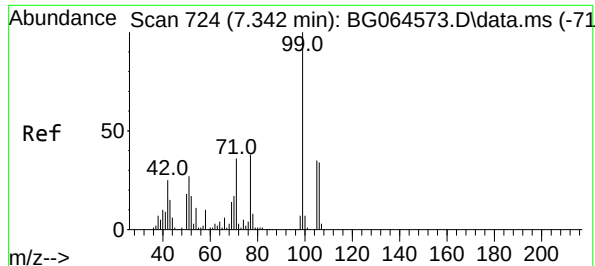
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#8
2-Chlorophenol
Concen: 19.187 ng
RT: 7.777 min Scan# 798
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

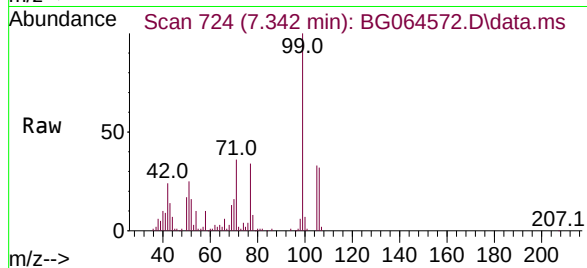
Tgt Ion:128 Resp: 56018
Ion Ratio Lower Upper
128 100
130 35.0 13.5 53.5
64 72.8 45.2 85.2





#9
Benzaldehyde
Concen: 22.273 ng
RT: 7.342 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

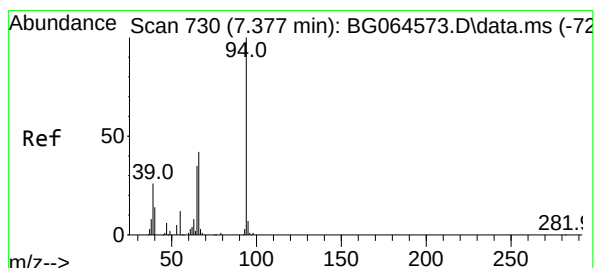
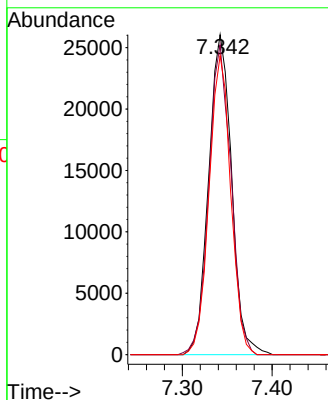
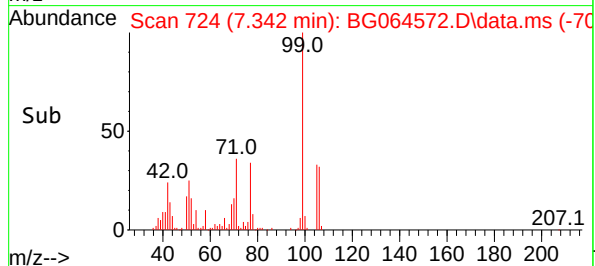
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



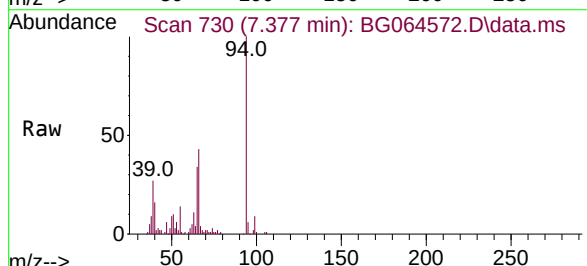
Tgt Ion: 77 Resp: 46540
Ion Ratio Lower Upper
77 100
105 96.8 72.9 112.9
106 93.4 70.8 110.8

Manual Integrations
APPROVED

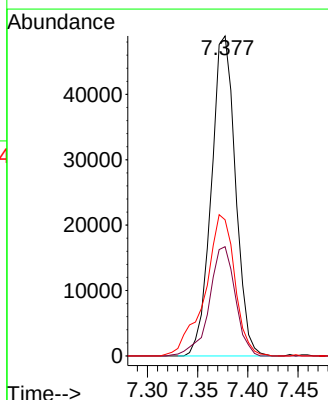
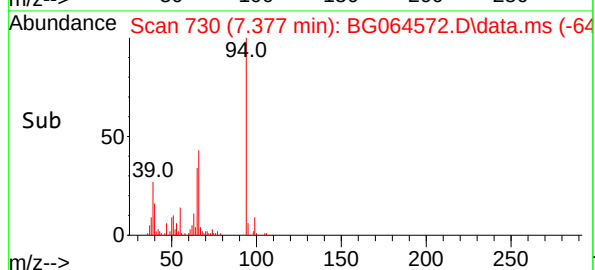
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

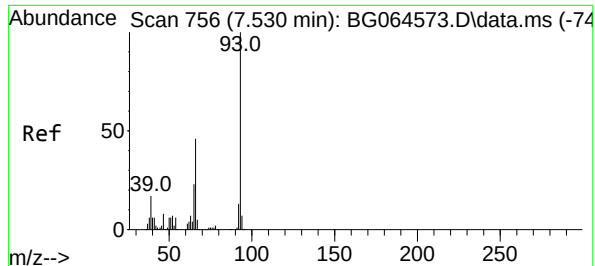


#10
Phenol
Concen: 19.337 ng
RT: 7.377 min Scan# 730
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



Tgt Ion: 94 Resp: 81849
Ion Ratio Lower Upper
94 100
65 34.1 15.8 55.8
66 42.5 24.0 64.0





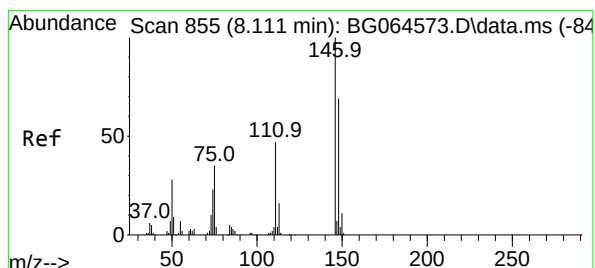
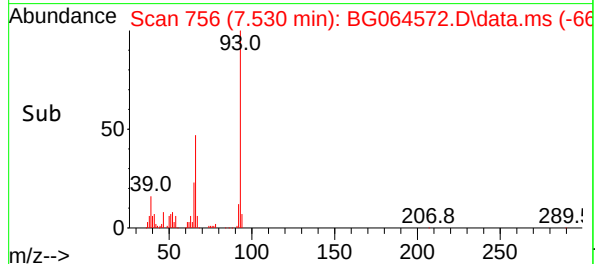
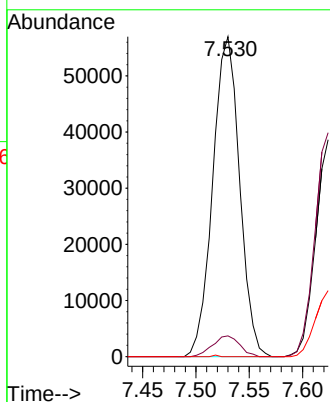
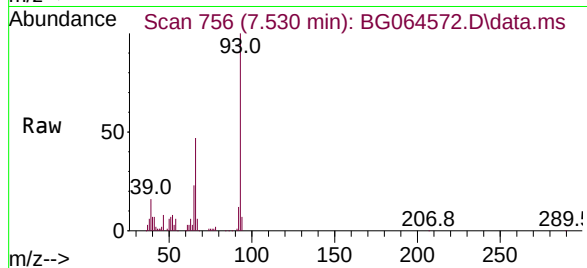
#11
bis(2-Chloroethyl)ether
Concen: 19.155 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 99762
Ion Ratio Lower Upper
93 100
63 6.5 0.0 27.4
95 0.0 0.0 20.2

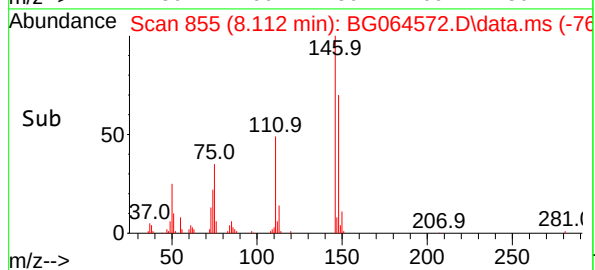
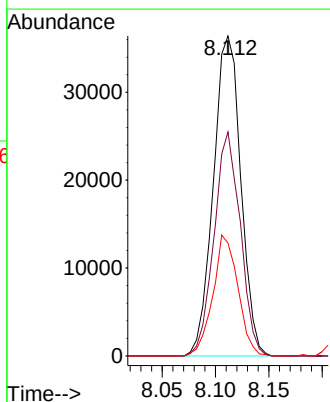
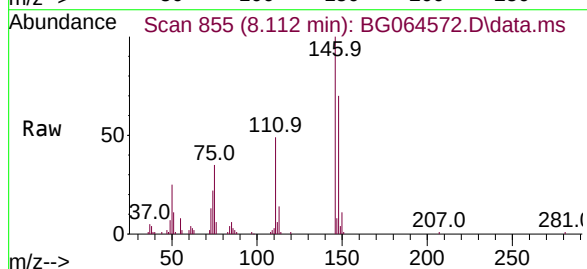
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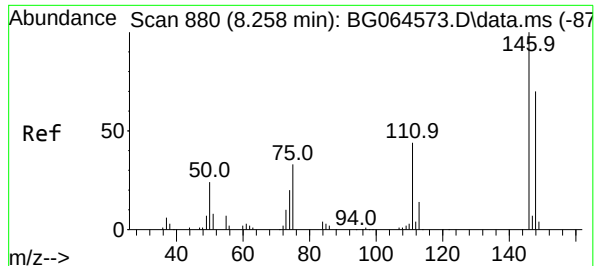
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#12
1,3-Dichlorobenzene
Concen: 19.415 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 65241
Ion Ratio Lower Upper
146 100
148 70.0 55.3 82.9
75 35.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 19.758 ng

RT: 8.259 min Scan# 880

Delta R.T. 0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 67506

Ion Ratio Lower Upper

146 100

148 62.4 56.2 84.4

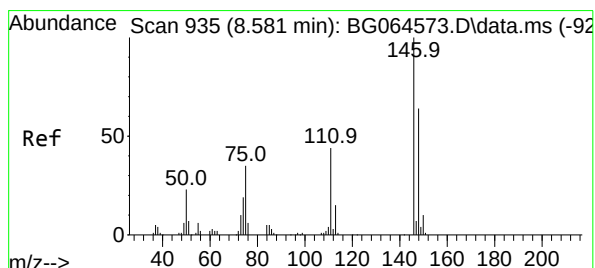
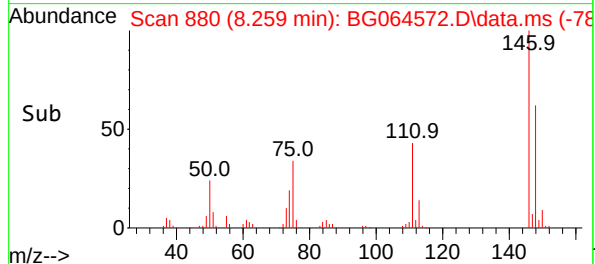
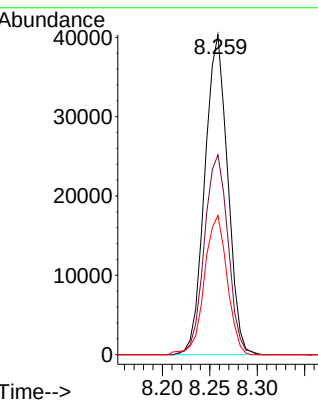
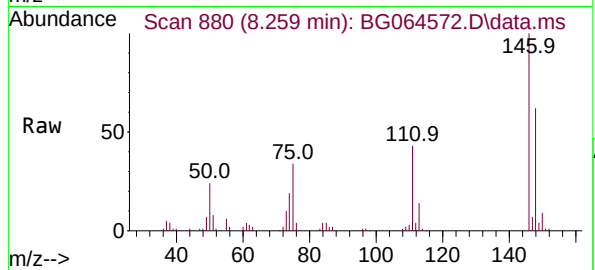
111 43.5 35.4 53.0

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Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 19.380 ng

RT: 8.582 min Scan# 935

Delta R.T. 0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

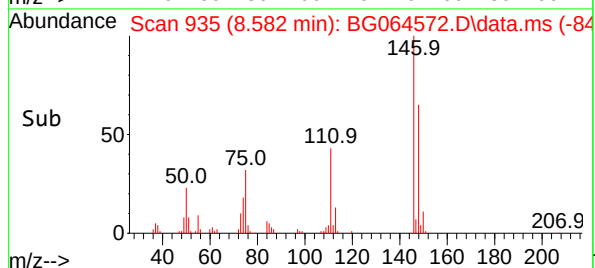
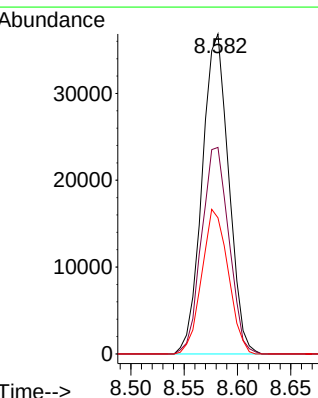
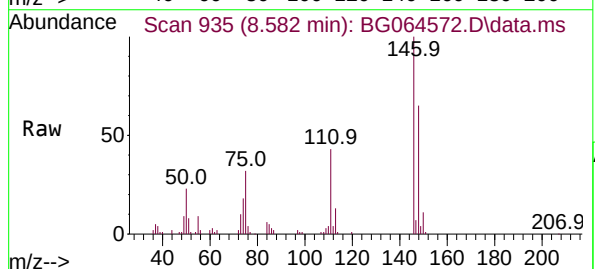
Tgt Ion:146 Resp: 63867

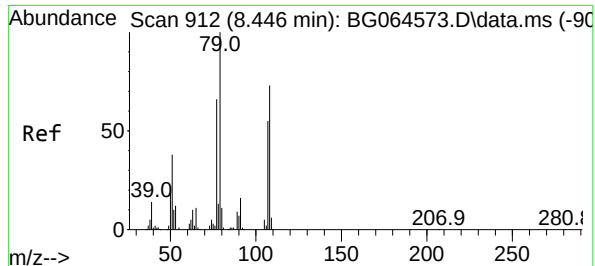
Ion Ratio Lower Upper

146 100

148 64.5 51.5 77.3

111 42.5 35.0 52.6





#15

Benzyl Alcohol

Concen: 18.732 ng

RT: 8.447 min Scan# 912

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

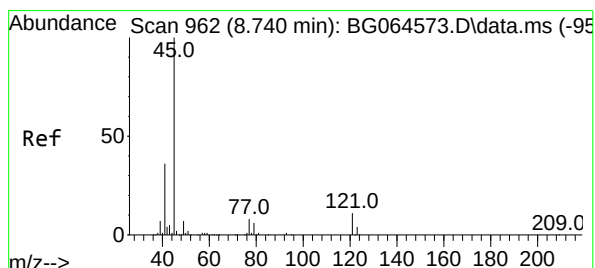
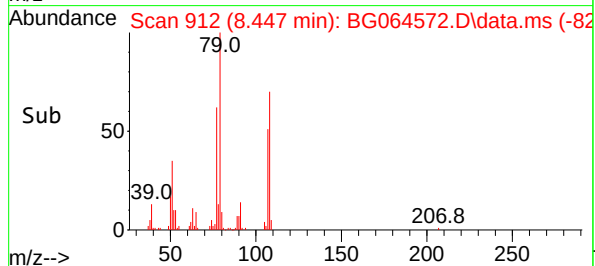
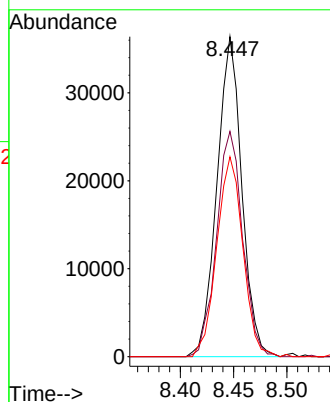
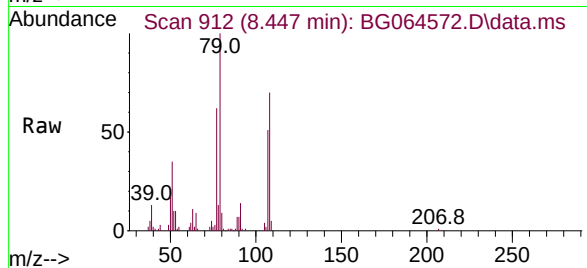
SSTDICC020

Tgt Ion:	79	Resp:	59123
Ion	Ratio	Lower	Upper
79	100		
108	70.4	58.1	87.1
77	62.4	52.8	79.2

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Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 19.476 ng

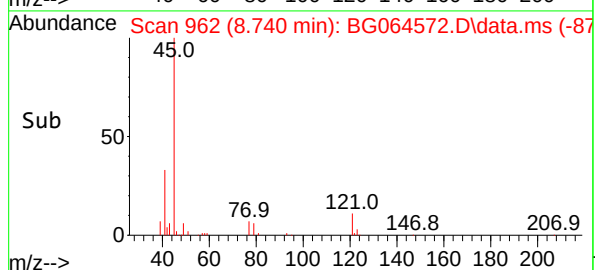
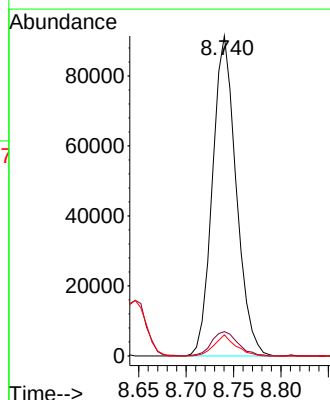
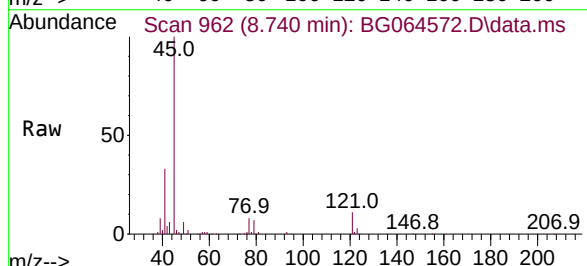
RT: 8.740 min Scan# 962

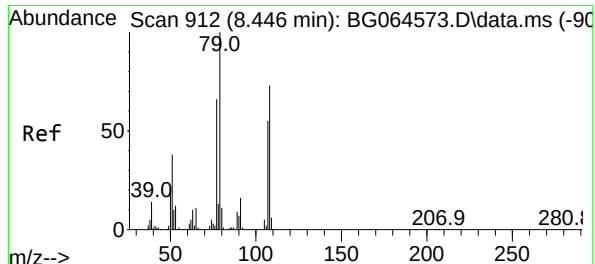
Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Tgt Ion:	45	Resp:	158985
Ion	Ratio	Lower	Upper
45	100		
77	7.6	0.0	28.5
79	6.6	0.0	25.6





#17

2-Methylphenol

Concen: 19.167 ng

RT: 8.447 min Scan# 912

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:107 Resp: 30239

Ion Ratio Lower Upper

107 100

108 138.3 106.4 159.6

77 122.7 96.7 145.1

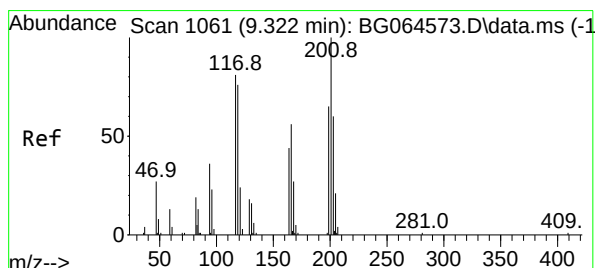
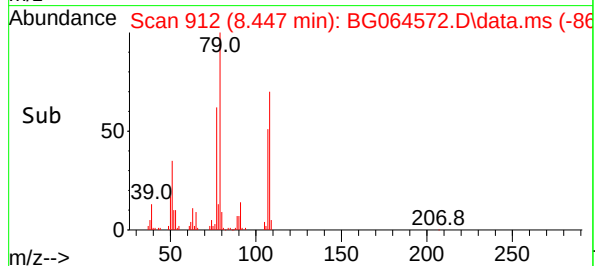
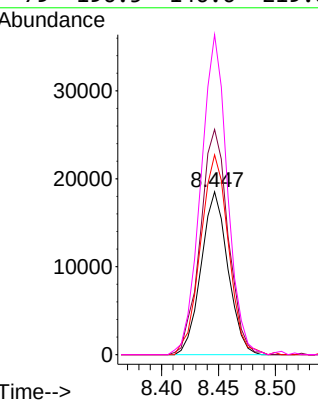
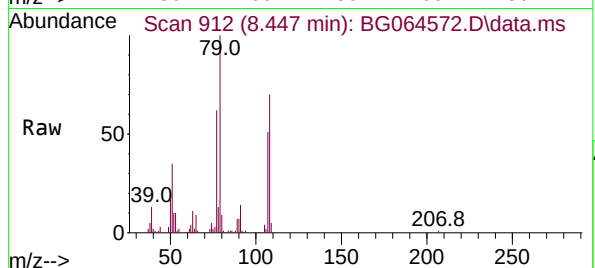
79 196.5 146.6 219.8

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Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 19.735 ng

RT: 9.322 min Scan# 1061

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

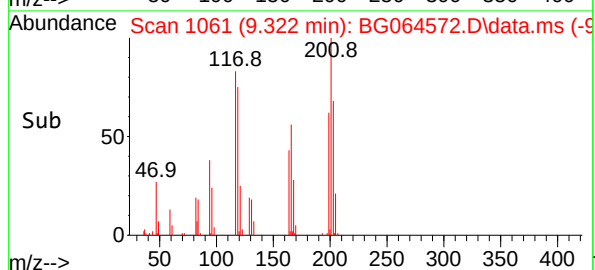
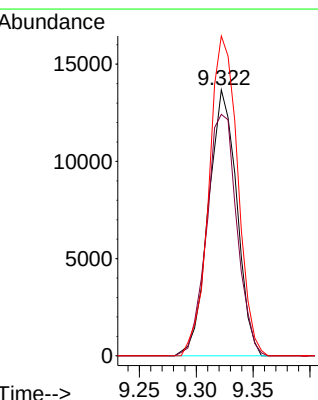
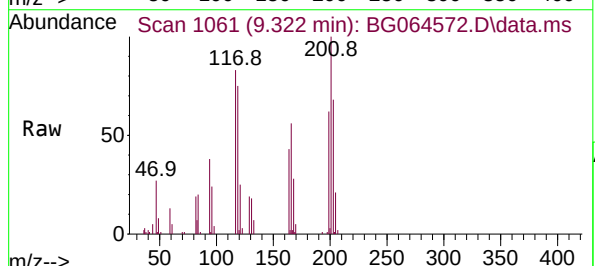
Tgt Ion:117 Resp: 23663

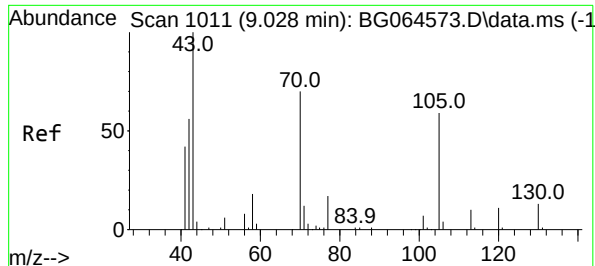
Ion Ratio Lower Upper

117 100

119 90.8 75.4 113.2

201 120.3 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 19.982 ng

RT: 9.022 min Scan# 1011

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 5285

Ion Ratio Lower Upper

70 100

42 75.6 65.2 97.8

101 7.6 7.9 11.9

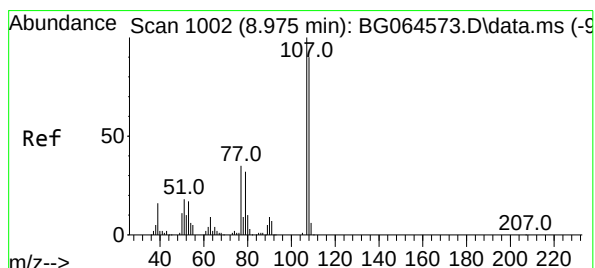
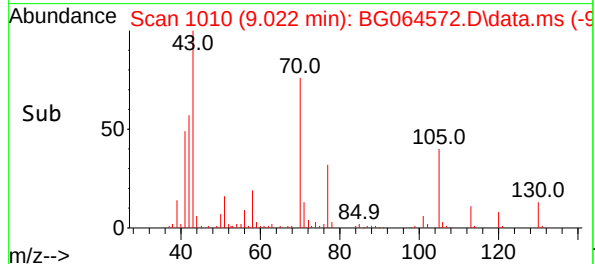
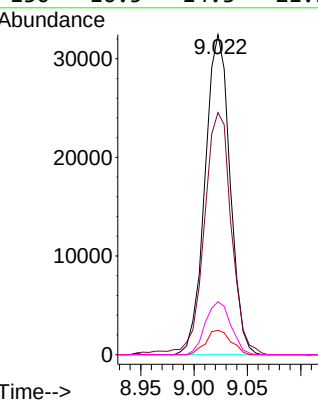
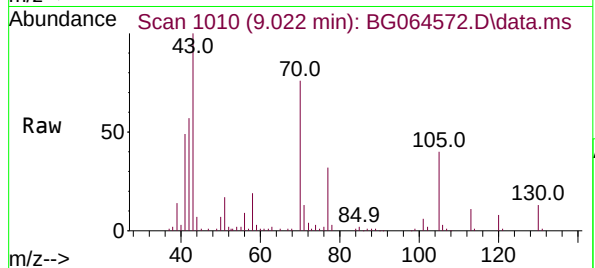
130 16.5 14.3 21.5

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Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 18.730 ng

RT: 8.969 min Scan# 1001

Delta R.T. -0.015 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 74026

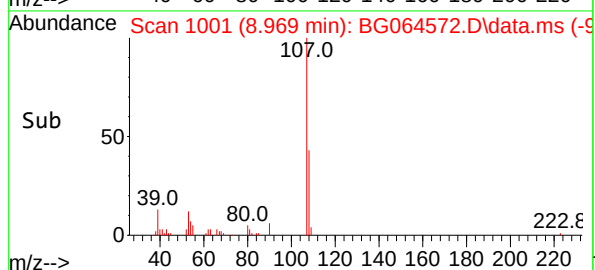
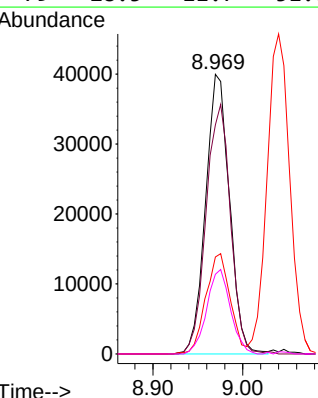
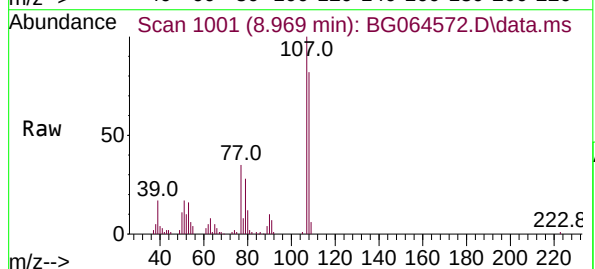
Ion Ratio Lower Upper

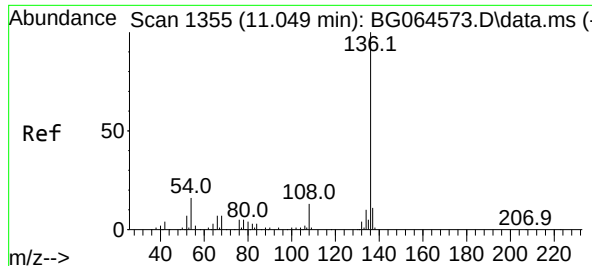
107 100

108 81.9 70.3 110.3

77 34.6 14.6 54.6

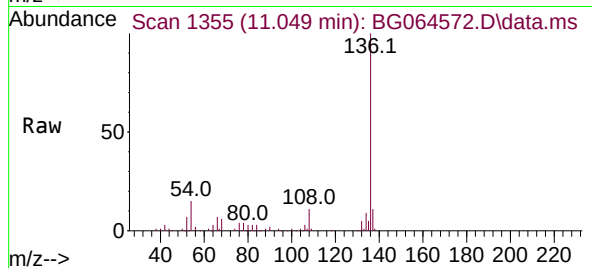
79 28.5 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1355
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

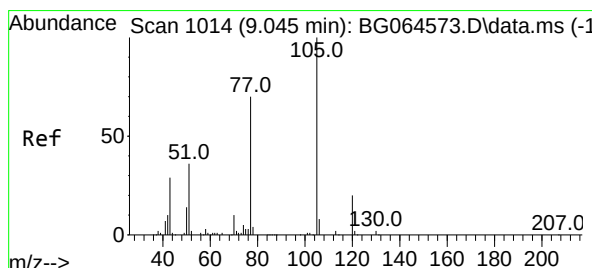
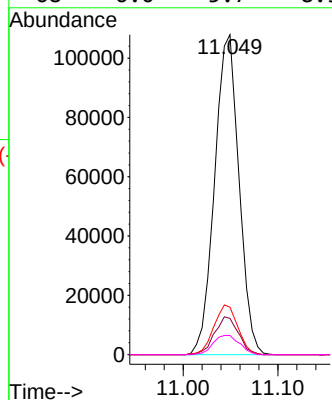
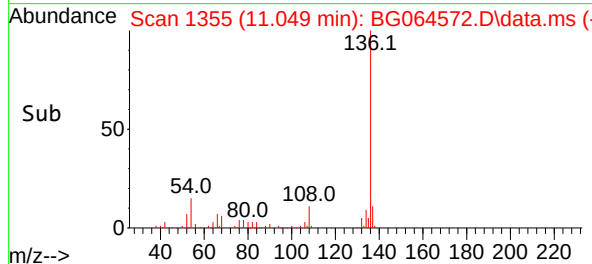
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:136 Resp: 19255
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 14.8 12.6 19.0
68 6.0 5.7 8.5

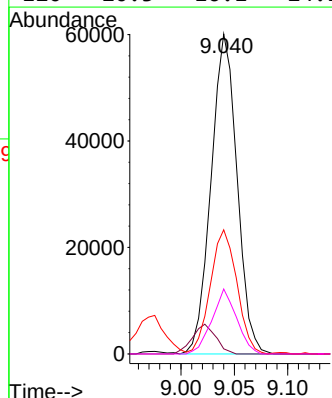
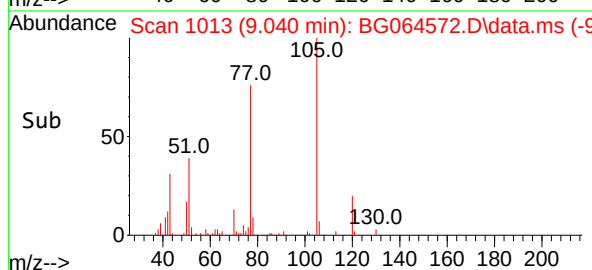
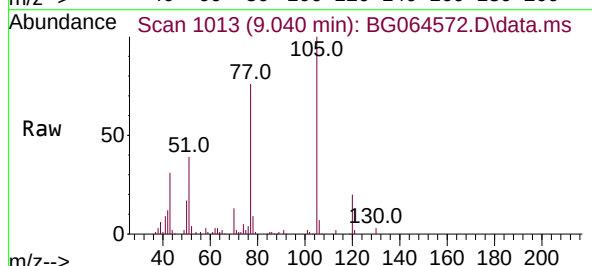
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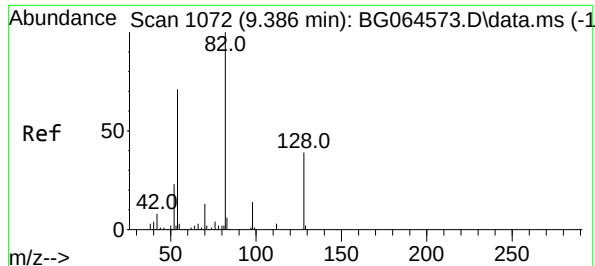
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#22
Acetophenone
Concen: 19.328 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:105 Resp: 101737
Ion Ratio Lower Upper
105 100
71 1.6 1.5 2.3
51 38.8 33.7 50.5
120 20.3 16.1 24.1





#23

Nitrobenzene-d5

Concen: 37.777 ng

RT: 9.381 min Scan# 1071

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

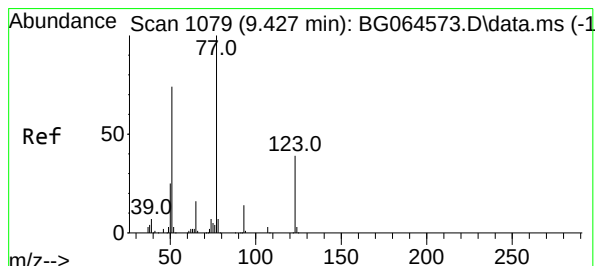
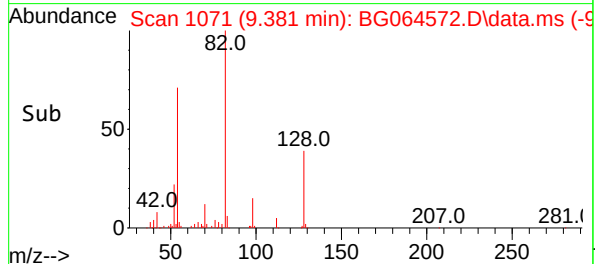
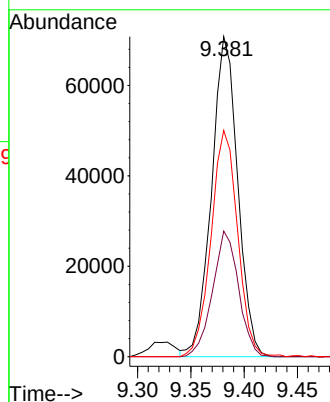
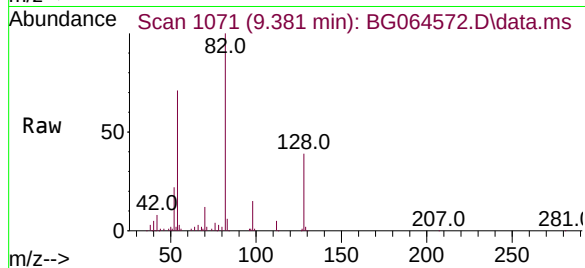
Tgt Ion:	82	Resp:	121107
Ion	Ratio	Lower	Upper
82	100		
128	39.2	31.3	46.9
54	70.7	56.6	84.8

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 19.012 ng

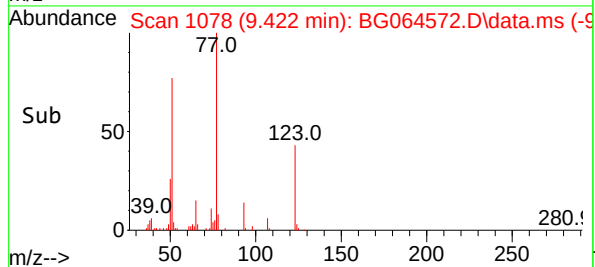
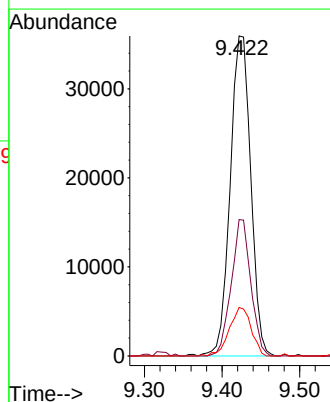
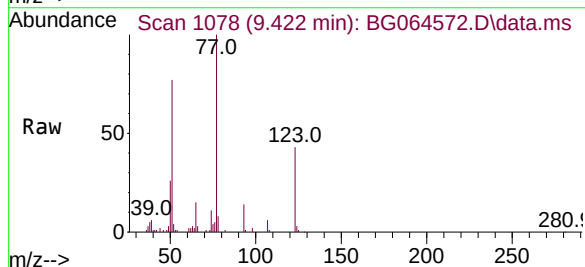
RT: 9.422 min Scan# 1078

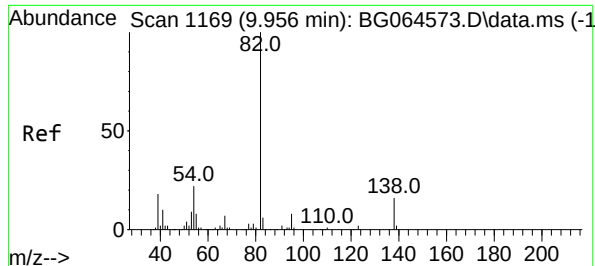
Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Tgt Ion:	77	Resp:	66292
Ion	Ratio	Lower	Upper
77	100		
123	42.6	31.0	46.6
65	15.1	12.7	19.1





#25

Isophorone

Concen: 19.290 ng

RT: 9.951 min Scan# 1168

Delta R.T. -0.015 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 148388

Ion Ratio Lower Upper

82 100

95 7.0 6.1 9.1

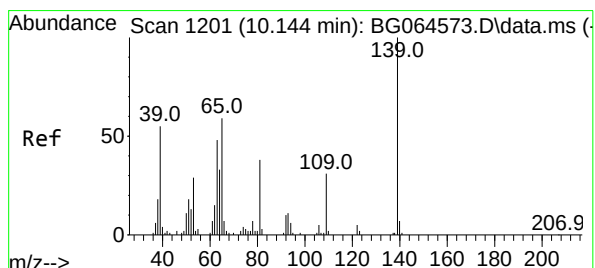
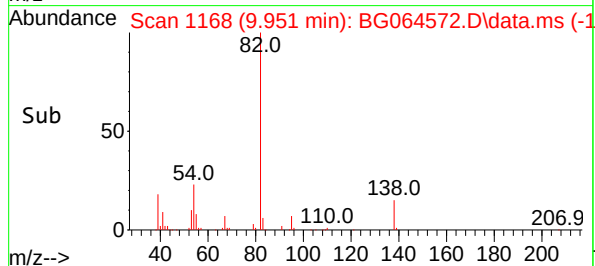
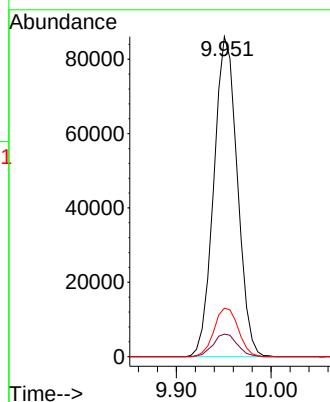
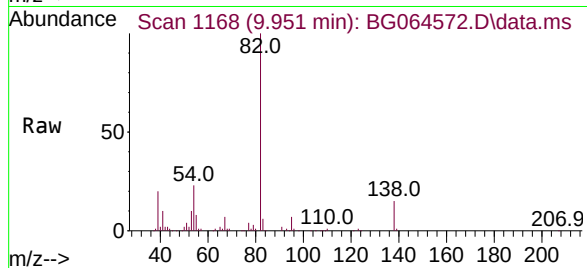
138 15.1 13.0 19.4

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#26

2-Nitrophenol

Concen: 17.837 ng

RT: 10.145 min Scan# 1201

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

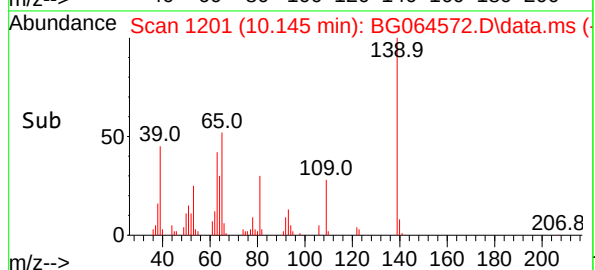
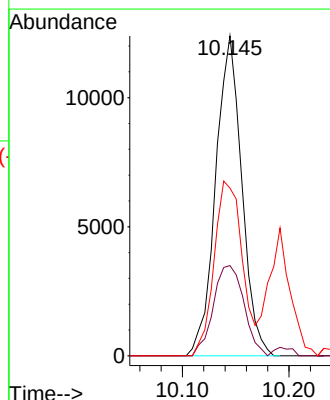
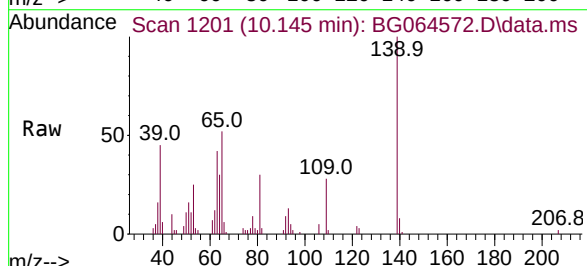
Tgt Ion:139 Resp: 21166

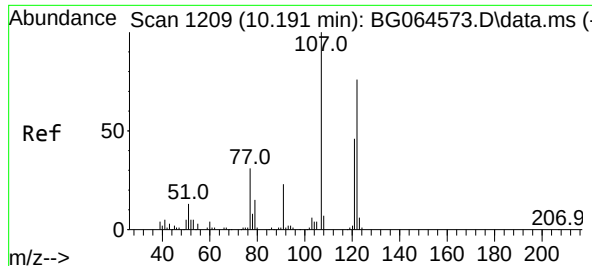
Ion Ratio Lower Upper

139 100

109 28.2 24.6 37.0

65 52.4 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 18.834 ng

RT: 10.192 min Scan# 1209

Delta R.T. -0.003 min

Lab File: BG064572.D

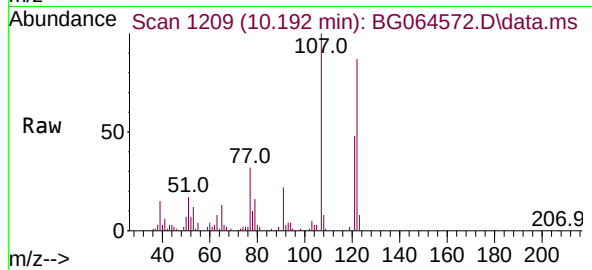
Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020



Tgt Ion:122 Resp: 54972

Ion Ratio Lower Upper

122 100

107 115.2 103.0 154.4

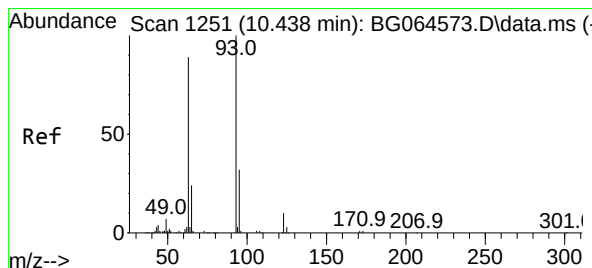
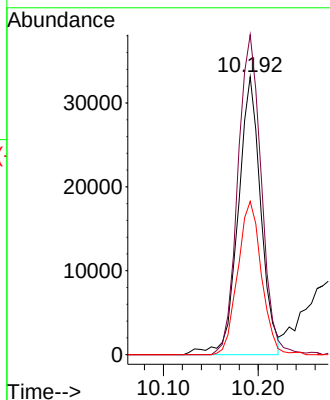
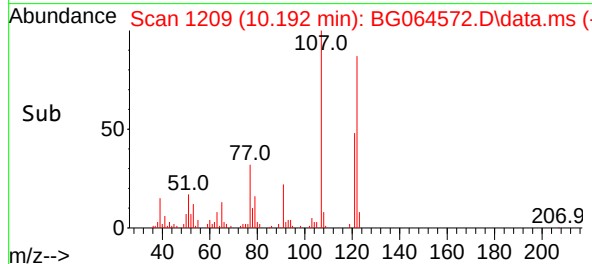
121 55.1 47.8 71.8

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#28

bis(2-Chloroethoxy)methane

Concen: 19.458 ng

RT: 10.432 min Scan# 1250

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

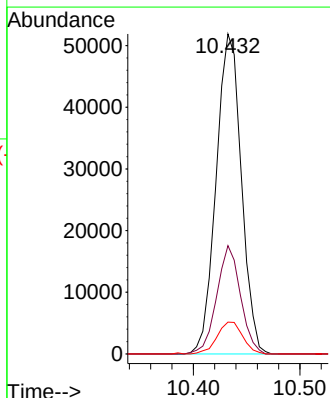
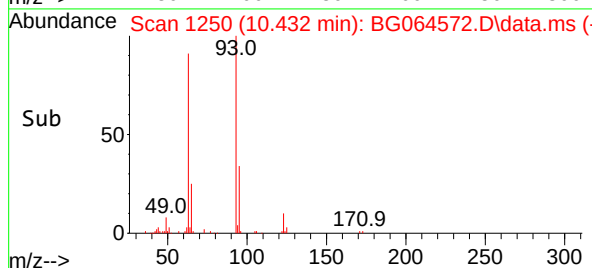
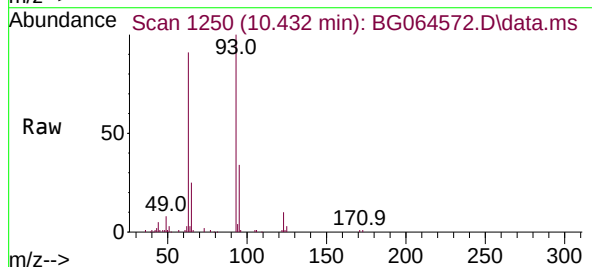
Tgt Ion: 93 Resp: 85225

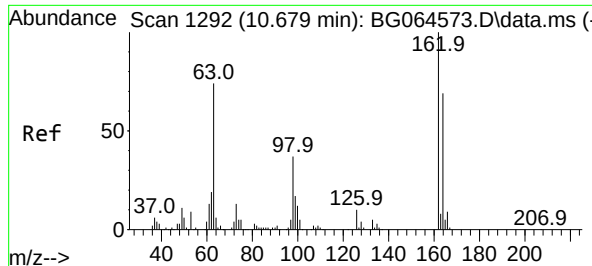
Ion Ratio Lower Upper

93 100

95 33.8 25.4 38.2

123 9.9 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 19.710 ng

RT: 10.679 min Scan# 1292

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

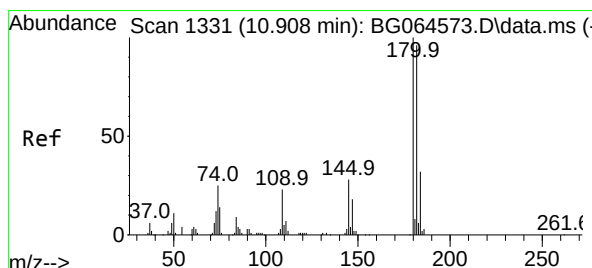
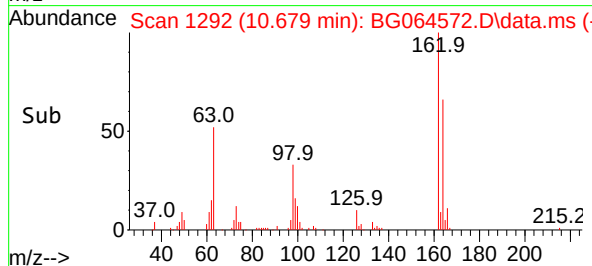
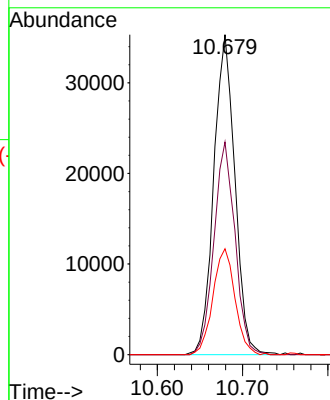
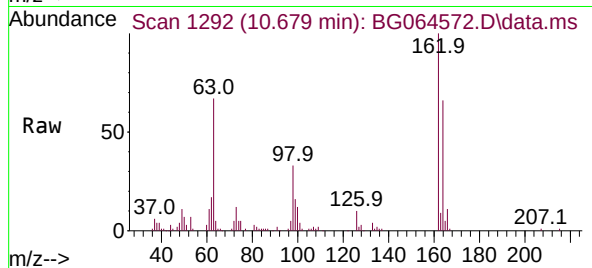
Tgt Ion:	162	Resp:	60695
Ion Ratio	Lower	Upper	
162	100		
164	66.4	48.7	88.7
98	33.1	16.9	56.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 19.171 ng

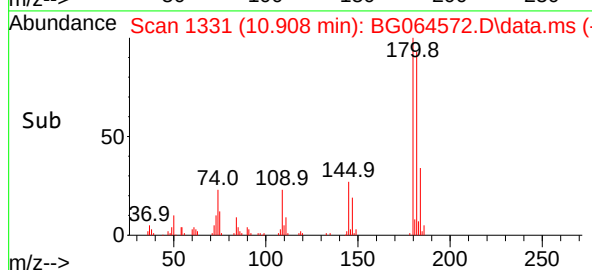
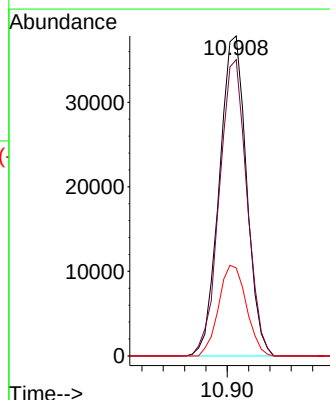
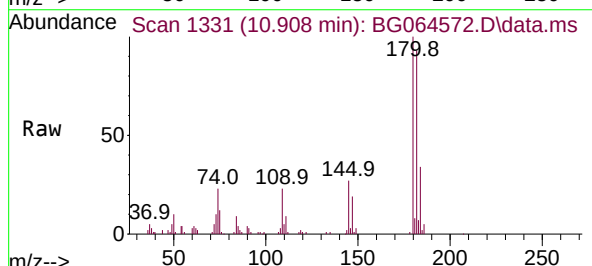
RT: 10.908 min Scan# 1331

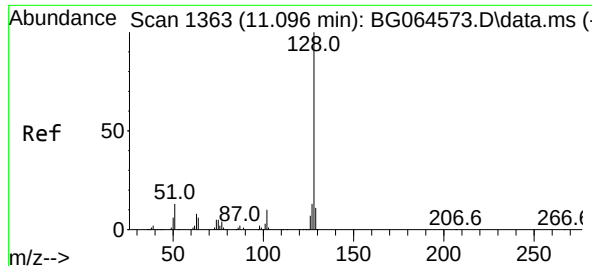
Delta R.T. 0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

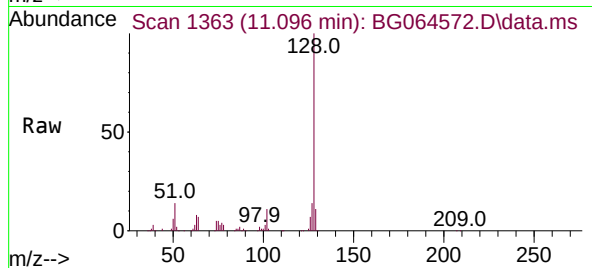
Tgt Ion:	180	Resp:	67078
Ion Ratio	Lower	Upper	
180	100		
182	92.6	76.9	115.3
145	27.5	22.1	33.1





#31
Naphthalene
Concen: 19.552 ng
RT: 11.096 min Scan# 1363
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

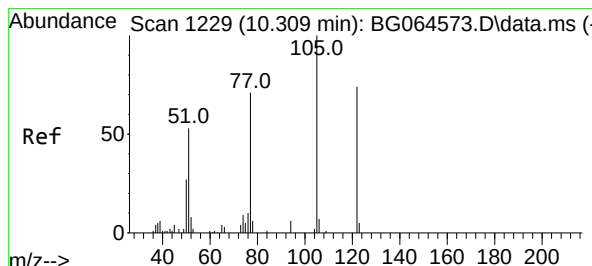
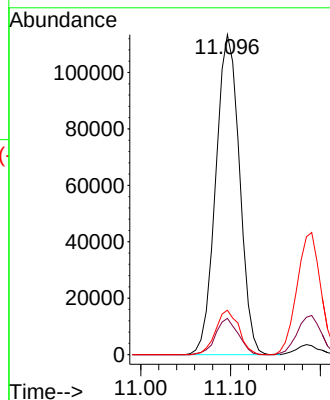
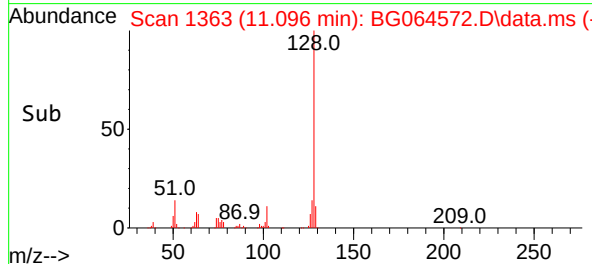
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:128 Resp: 208734
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.9 10.6 15.8

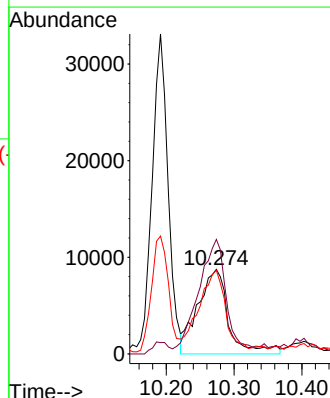
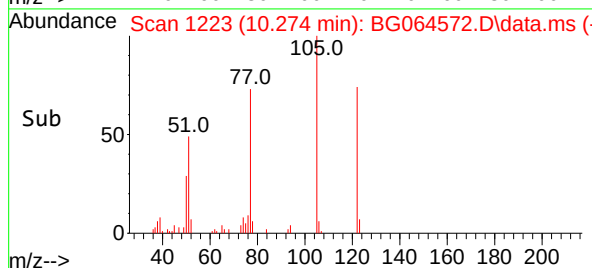
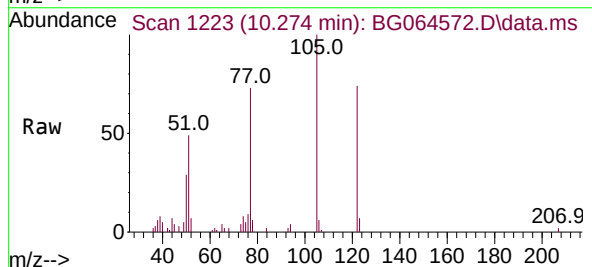
Manual Integrations
APPROVED

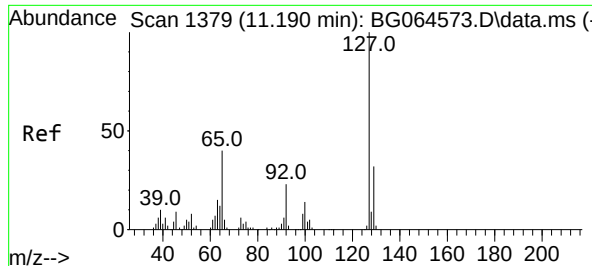
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 18.129 ng m
RT: 10.274 min Scan# 1223
Delta R.T. -0.068 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:122 Resp: 27545
Ion Ratio Lower Upper
122 100
105 135.4 104.2 144.2
77 99.0 70.2 110.2





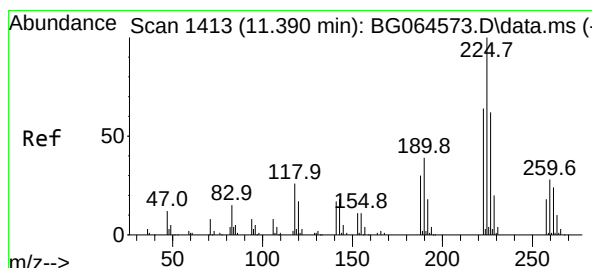
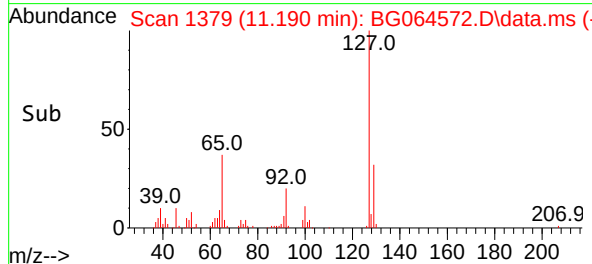
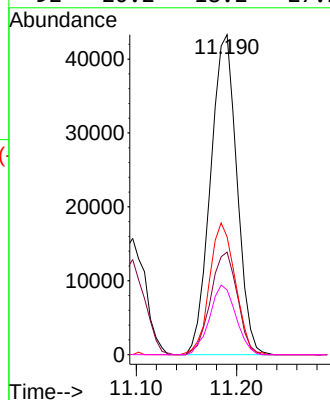
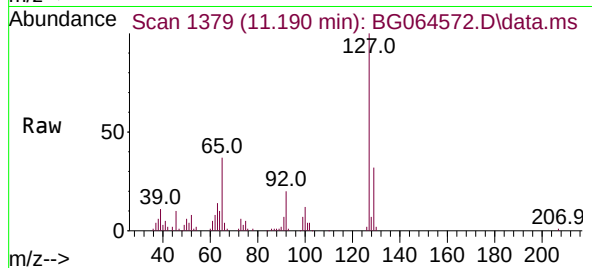
#33
4-Chloroaniline
Concen: 19.055 ng
RT: 11.190 min Scan# 1379
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 79062
Ion Ratio Lower Upper
127 100
129 32.0 25.5 38.3
65 36.8 32.2 48.4
92 20.2 18.2 27.2

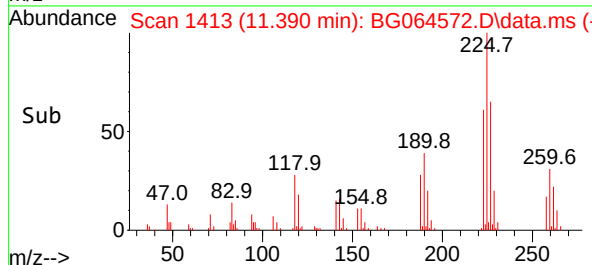
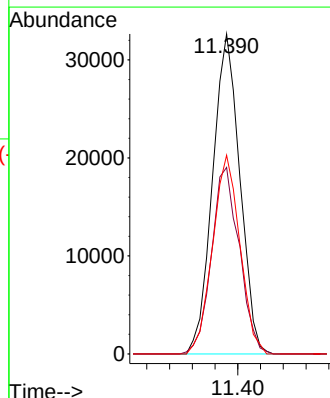
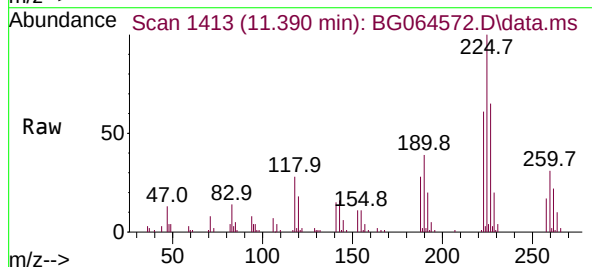
Manual Integrations
APPROVED

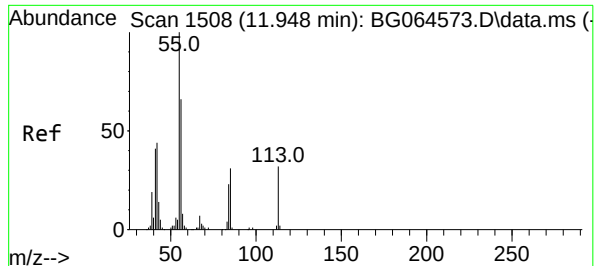
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#34
Hexachlorobutadiene
Concen: 19.820 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

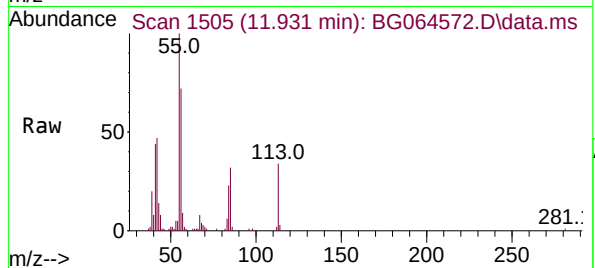
Tgt Ion:225 Resp: 54233
Ion Ratio Lower Upper
225 100
223 58.3 48.8 73.2
227 62.1 49.5 74.3





#35
Caprolactam
Concen: 18.635 ng
RT: 11.931 min Scan# 11
Delta R.T. -0.044 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

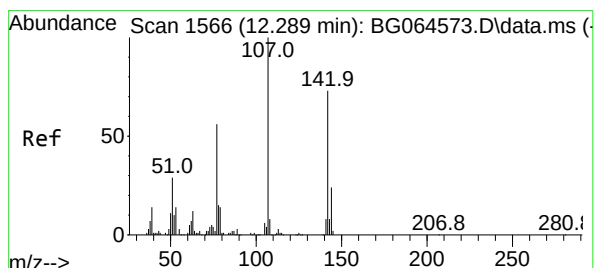
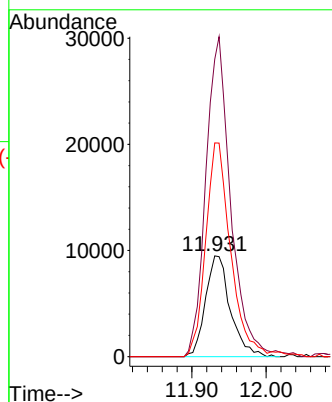
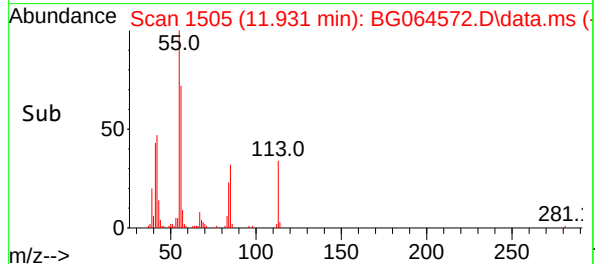
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:113 Resp: 22010
Ion Ratio Lower Upper
113 100
55 295.5 290.1 330.1
56 212.3 183.8 223.8

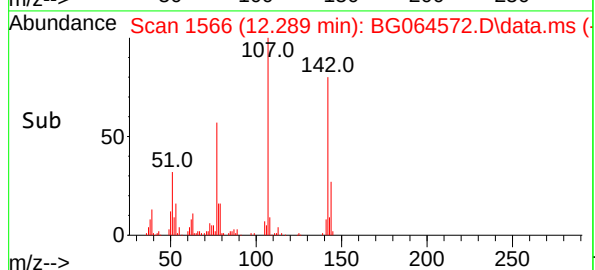
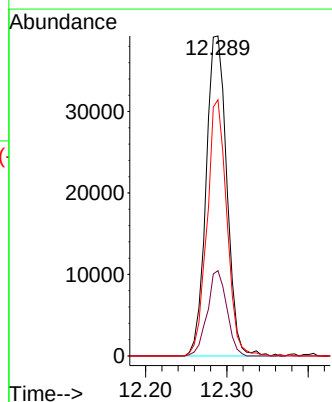
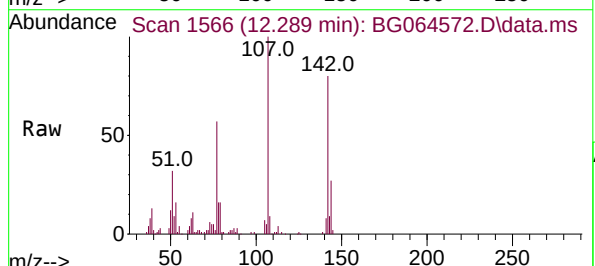
Manual Integrations
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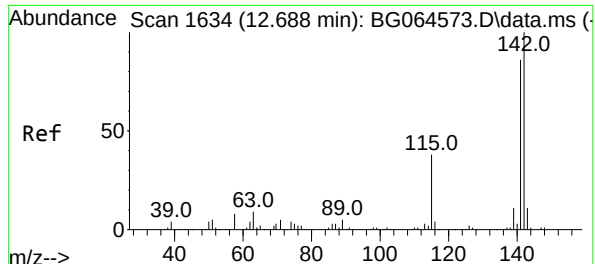
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#36
4-Chloro-3-methylphenol
Concen: 18.798 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 69582
Ion Ratio Lower Upper
107 100
144 26.6 19.1 28.7
142 80.0 58.6 87.8





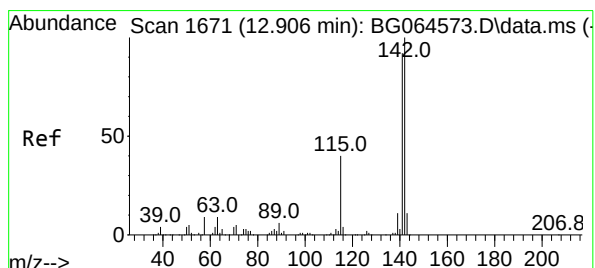
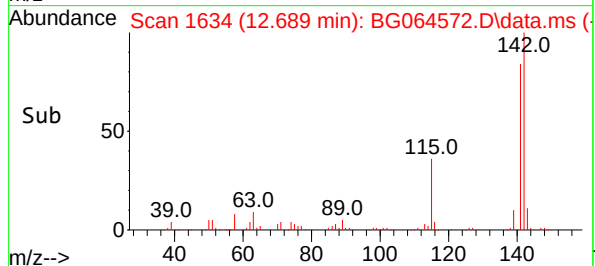
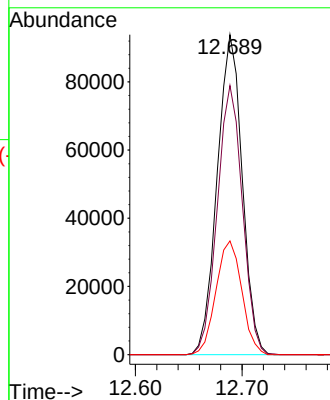
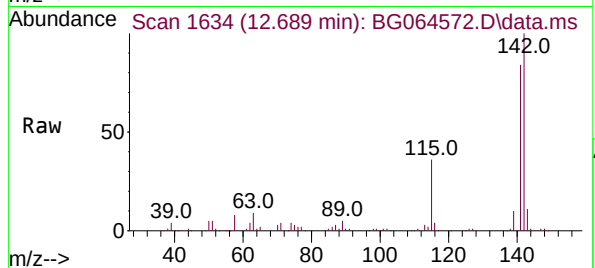
#37
2-Methylnaphthalene
Concen: 19.577 ng
RT: 12.689 min Scan# 1634
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 153445
Ion Ratio Lower Upper
142 100
141 84.1 68.9 103.3
115 35.5 30.6 46.0

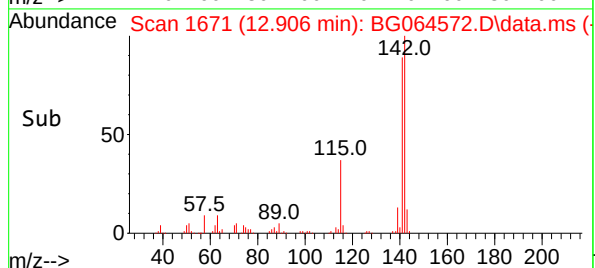
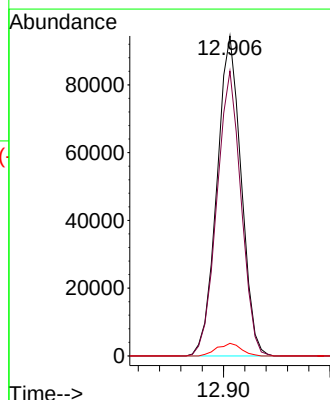
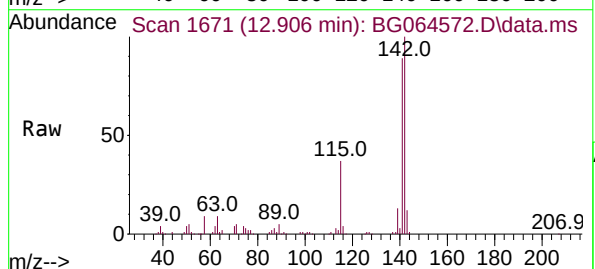
Manual Integrations
APPROVED

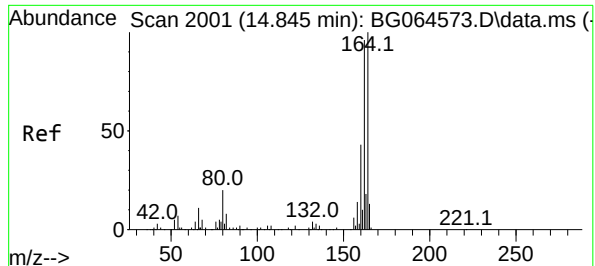
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#38
1-Methylnaphthalene
Concen: 19.379 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:142 Resp: 149456
Ion Ratio Lower Upper
142 100
141 89.0 73.3 109.9
116 3.9 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.845 min Scan# 2001

Delta R.T. 0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:164 Resp: 147520

Ion Ratio Lower Upper

164 100

162 99.6 77.0 115.6

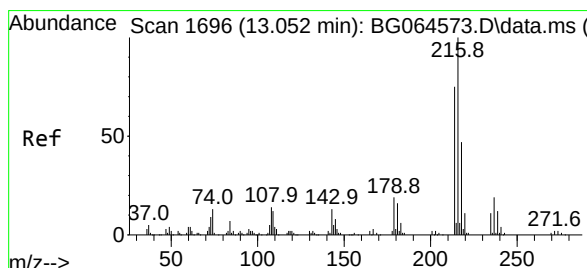
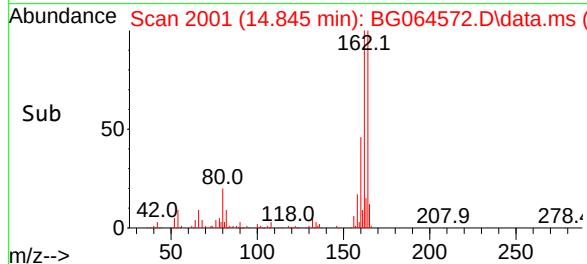
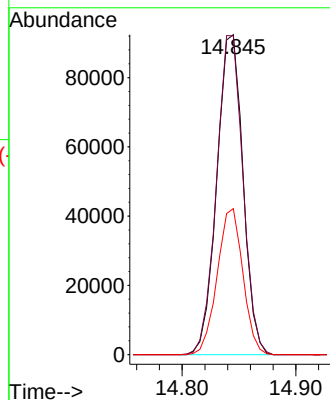
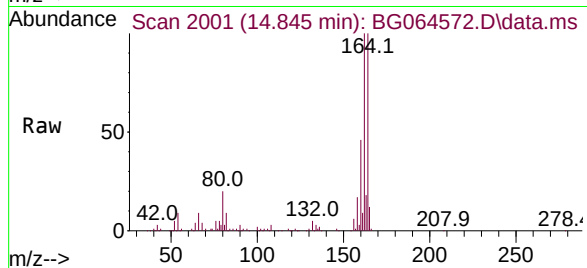
160 45.6 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 19.320 ng

RT: 13.053 min Scan# 1696

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Tgt Ion:216 Resp: 95653

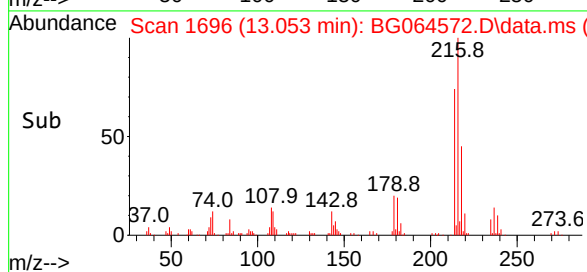
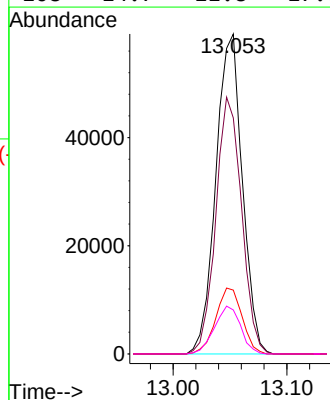
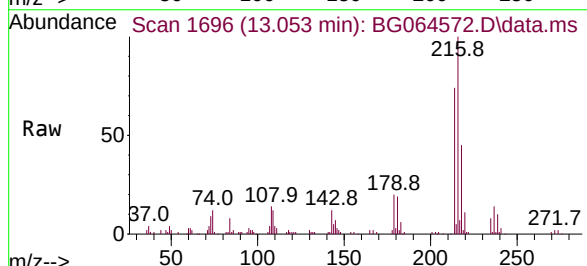
Ion Ratio Lower Upper

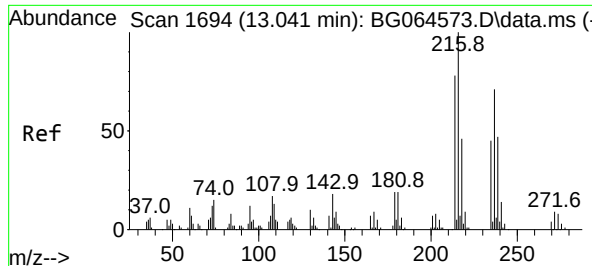
216 100

214 78.1 61.4 92.2

179 20.4 15.4 23.0

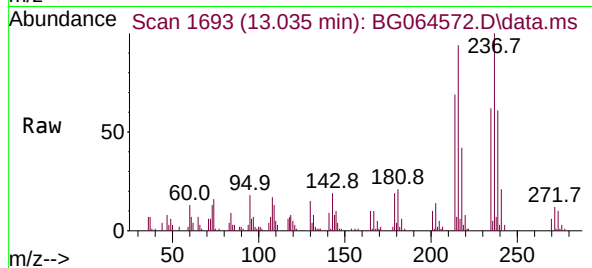
108 14.7 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 18.479 ng
RT: 13.035 min Scan# 1693
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

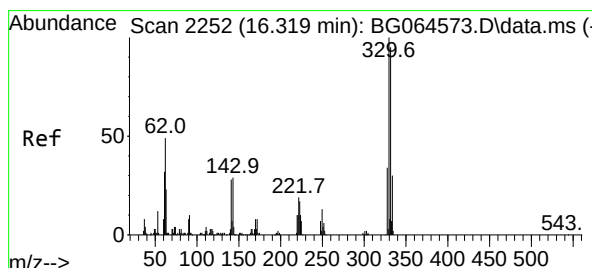
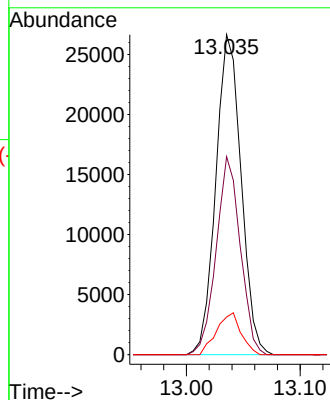
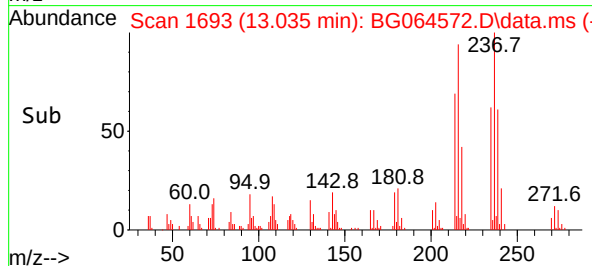
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



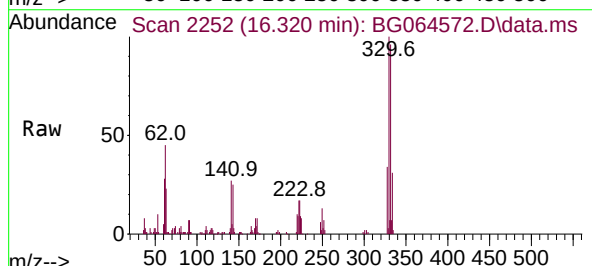
Tgt Ion: 237 Resp: 41178
Ion Ratio Lower Upper
237 100
235 61.9 44.1 84.1
272 11.7 0.0 32.4

Manual Integrations
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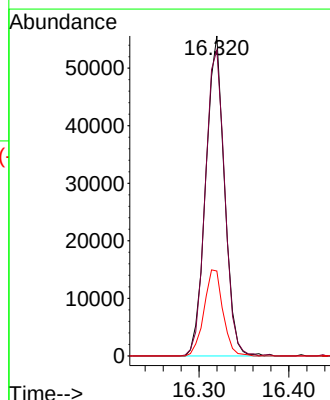
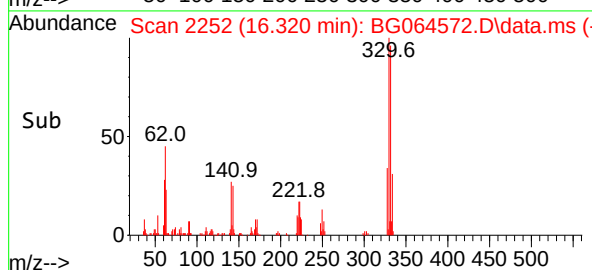
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

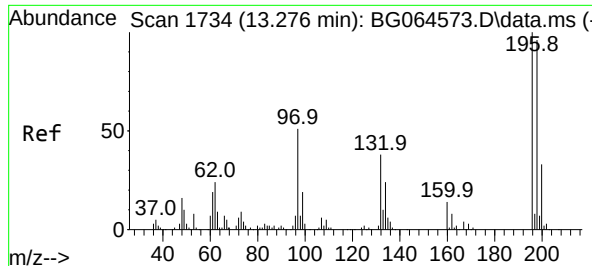


#42
2,4,6-Tribromophenol
Concen: 37.682 ng
RT: 16.320 min Scan# 2252
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



Tgt Ion: 330 Resp: 80231
Ion Ratio Lower Upper
330 100
332 99.2 78.0 117.0
141 27.2 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 19.525 ng

RT: 13.276 min Scan# 1734

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

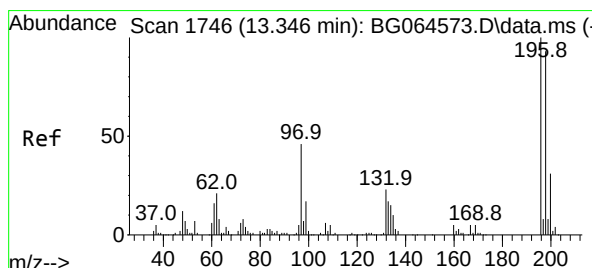
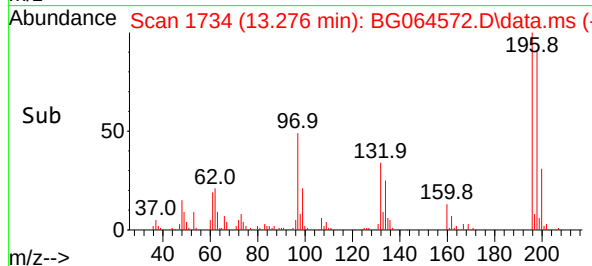
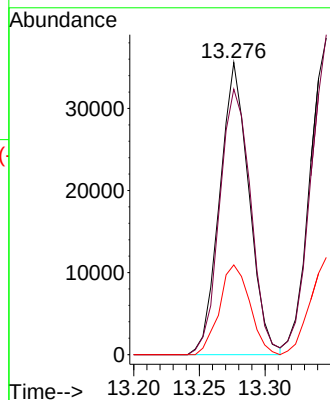
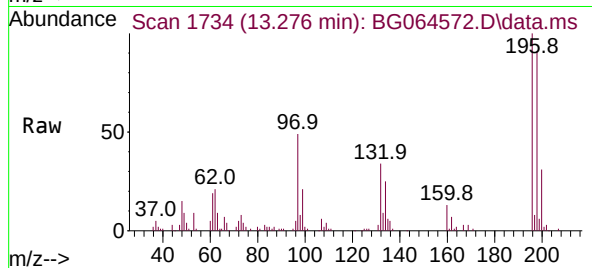
Tgt Ion:	196	Resp:	55295
Ion Ratio	Lower	Upper	
196	100		
198	90.9	76.6	115.0
200	30.7	26.0	39.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

Concen: 19.814 ng

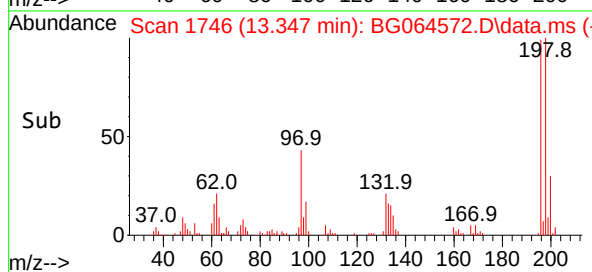
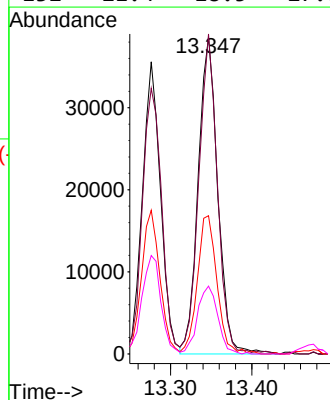
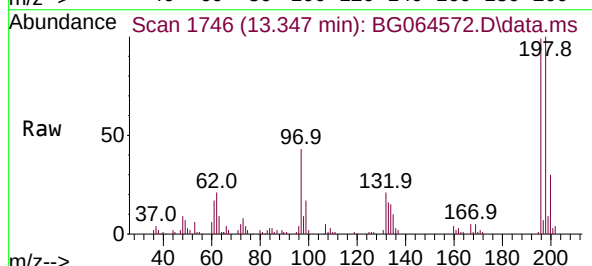
RT: 13.347 min Scan# 1746

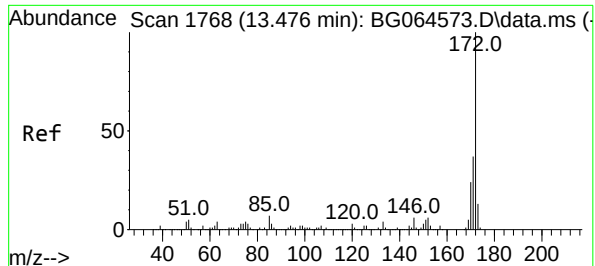
Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

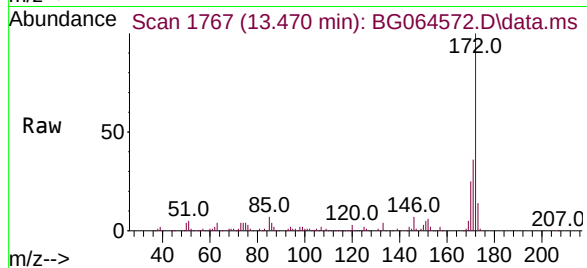
Tgt Ion:	196	Resp:	64753
Ion Ratio	Lower	Upper	
196	100		
198	101.1	74.2	111.4
97	43.6	37.0	55.6
132	21.4	18.5	27.7





#45
2-Fluorobiphenyl
Concen: 39.584 ng
RT: 13.470 min Scan# 1768
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

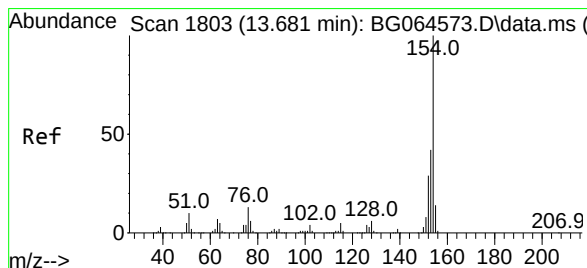
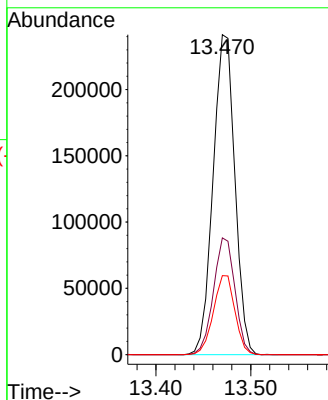
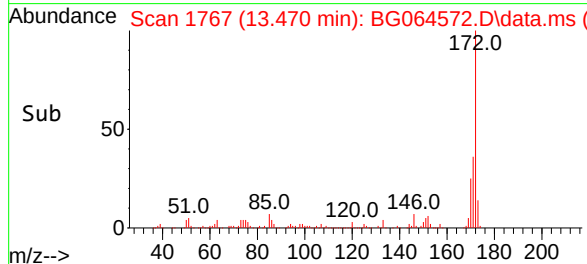
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



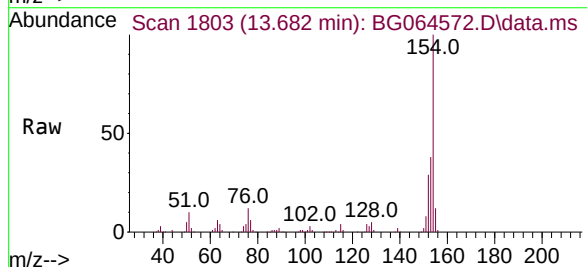
Tgt Ion:172 Resp: 38525
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 24.7 19.1 28.7

Manual Integrations
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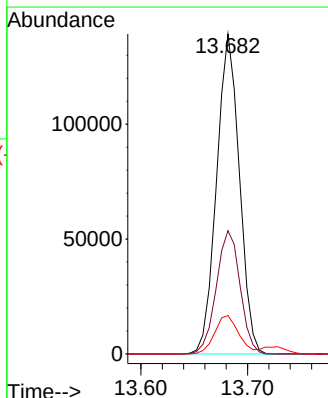
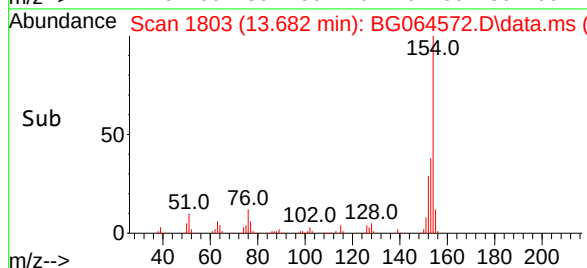
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

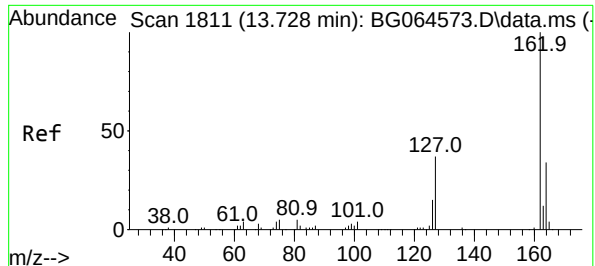


#46
1,1'-Biphenyl
Concen: 19.705 ng
RT: 13.682 min Scan# 1803
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



Tgt Ion:154 Resp: 206656
Ion Ratio Lower Upper
154 100
153 38.5 22.4 62.4
76 12.0 0.0 33.5





#47

2-Chloronaphthalene

Concen: 19.625 ng

RT: 13.729 min Scan# 1811

Delta R.T. -0.003 min

Lab File: BG064572.D

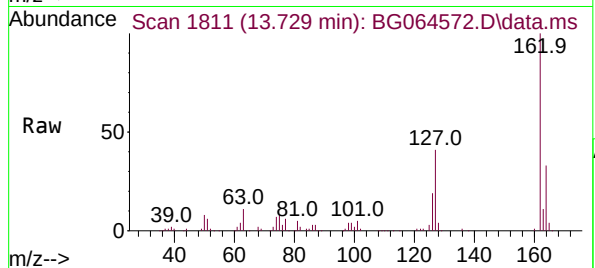
Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020



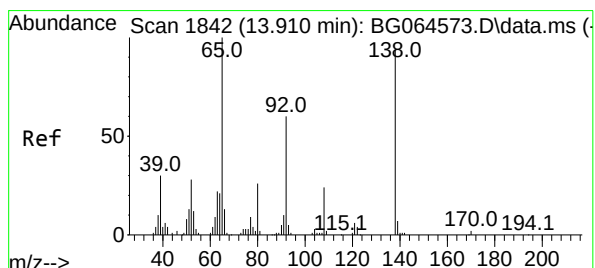
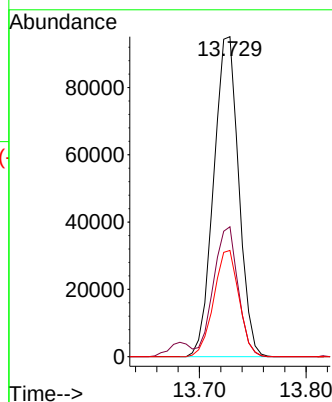
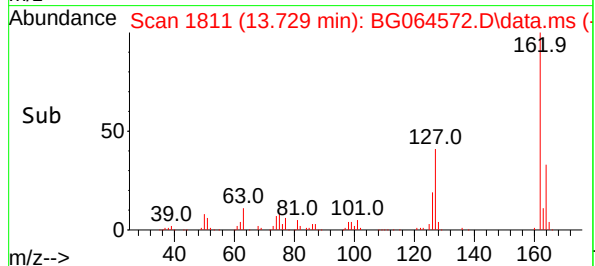
Tgt Ion:	162	Resp:	155356
Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.2	48.2
164	33.2	27.5	41.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#48

2-Nitroaniline

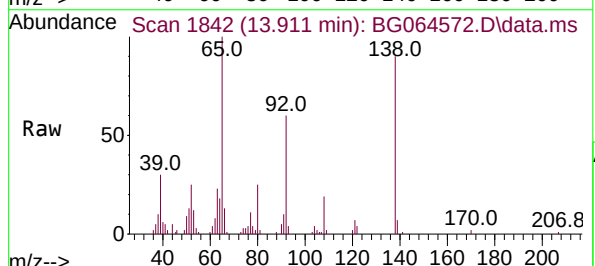
Concen: 17.565 ng

RT: 13.911 min Scan# 1842

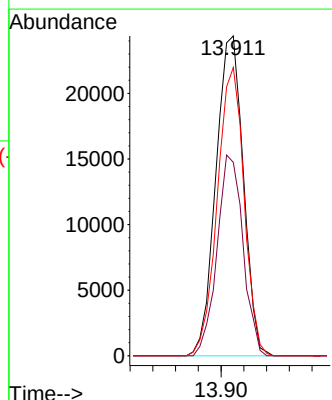
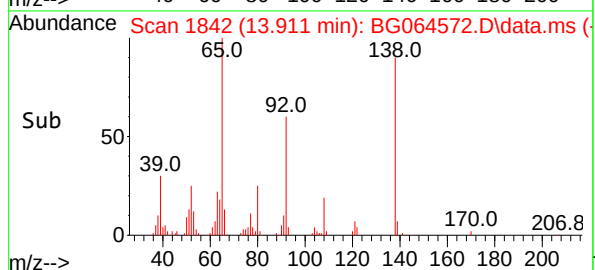
Delta R.T. -0.003 min

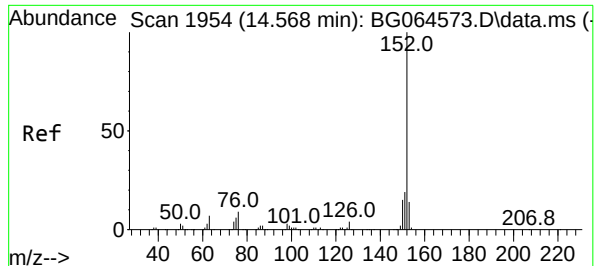
Lab File: BG064572.D

Acq: 24 Oct 2025 12:23



Tgt Ion:	65	Resp:	40854
Ion	Ratio	Lower	Upper
65	100		
92	60.5	48.3	72.5
138	90.1	74.9	112.3





#49

Acenaphthylene

Concen: 19.454 ng

RT: 14.563 min Scan# 19

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:152 Resp: 242914

Ion Ratio Lower Upper

152 100

151 18.6 15.4 23.2

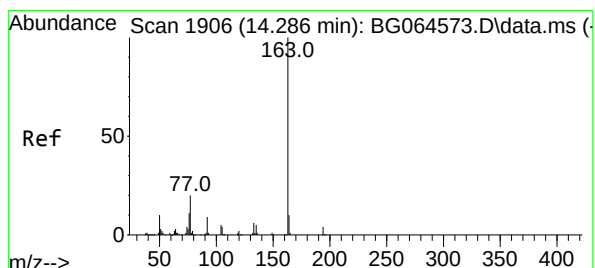
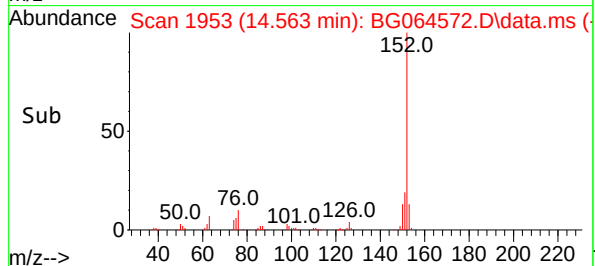
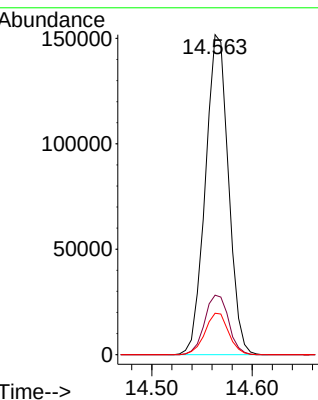
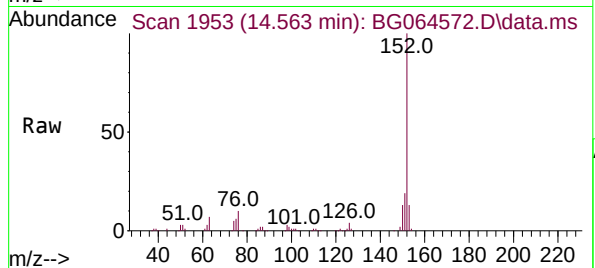
153 12.9 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 19.452 ng

RT: 14.281 min Scan# 1905

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

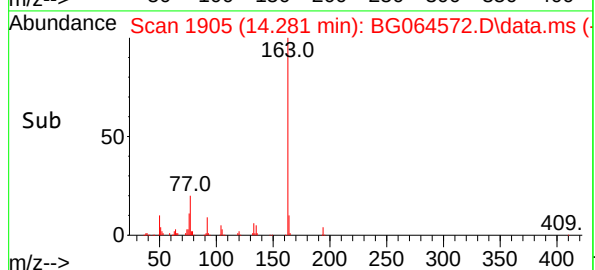
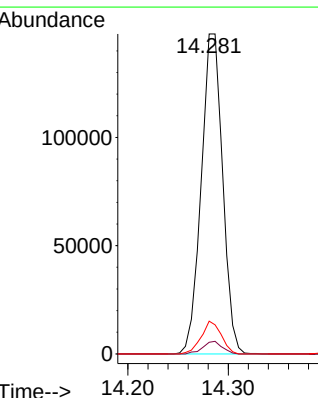
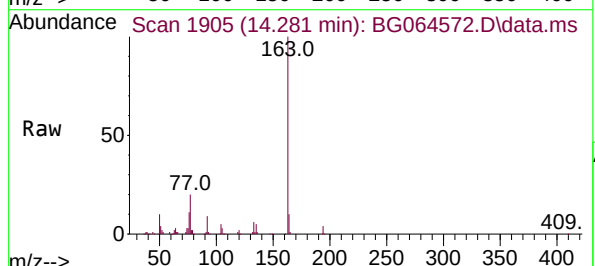
Tgt Ion:163 Resp: 219575

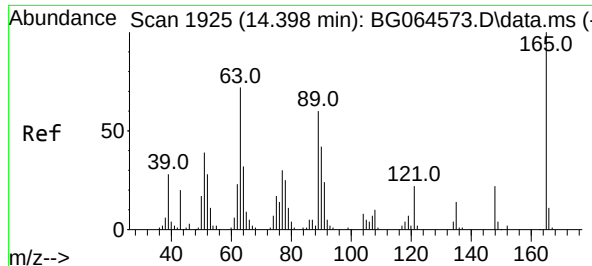
Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

164 10.2 7.7 11.5





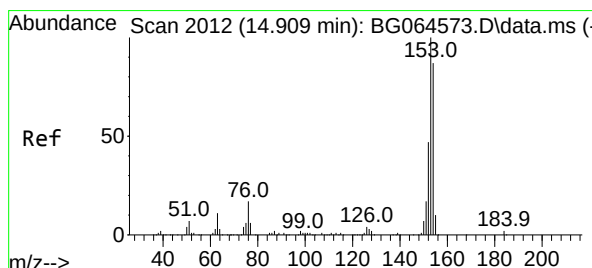
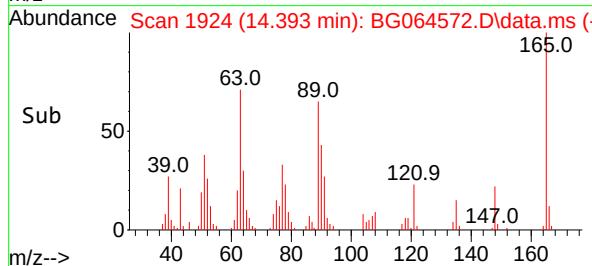
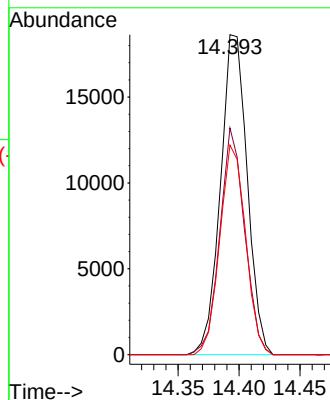
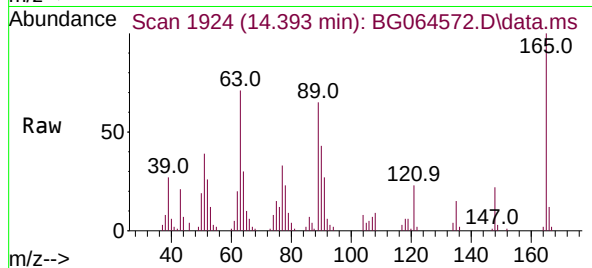
#51
2,6-Dinitrotoluene
Concen: 17.440 ng
RT: 14.393 min Scan# 1925
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 2842
Ion Ratio Lower Upper
165 100
63 70.8 57.4 86.0
89 65.5 47.8 71.8

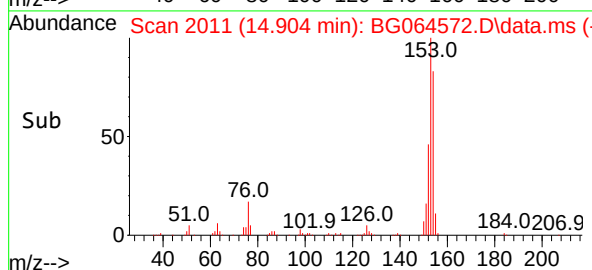
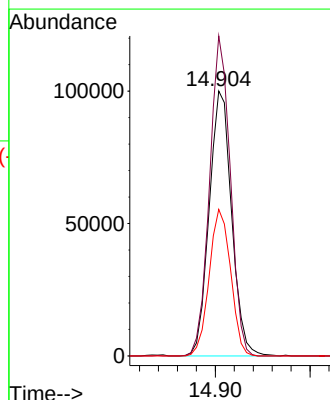
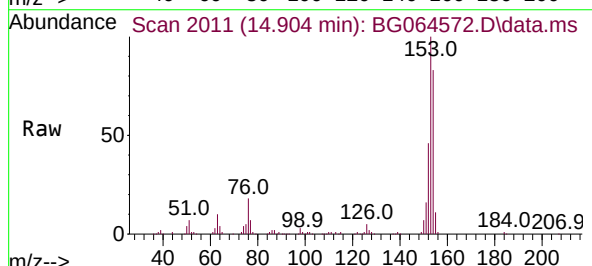
Manual Integrations
APPROVED

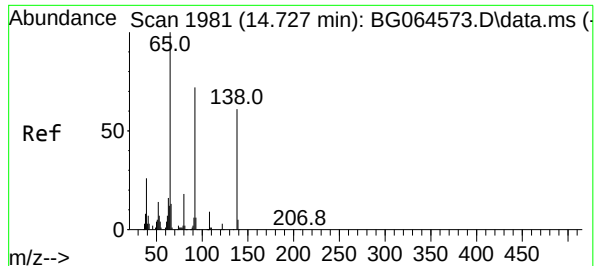
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#52
Acenaphthene
Concen: 19.287 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

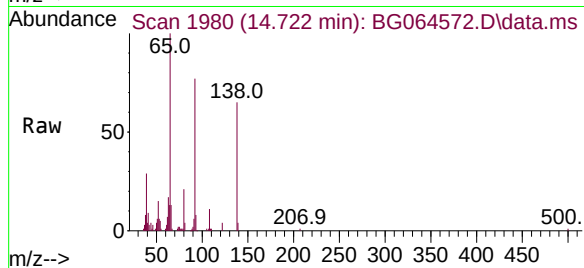
Tgt Ion:154 Resp: 164542
Ion Ratio Lower Upper
154 100
153 120.8 92.2 138.4
152 55.3 43.2 64.8





#53
3-Nitroaniline
Concen: 19.193 ng
RT: 14.722 min Scan# 1981
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

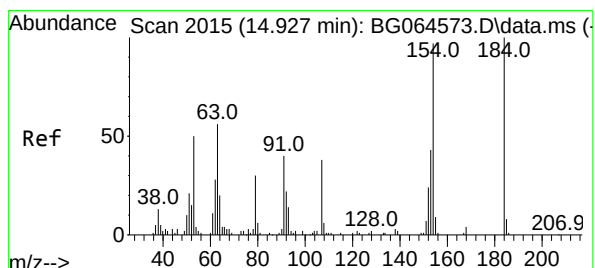
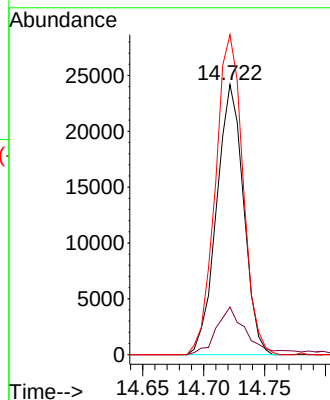
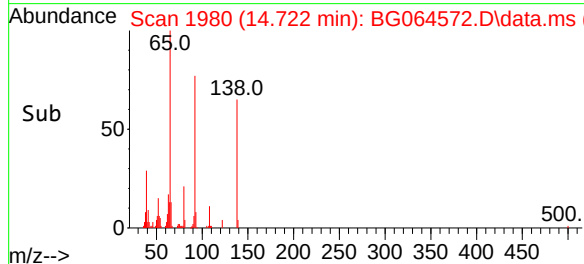
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



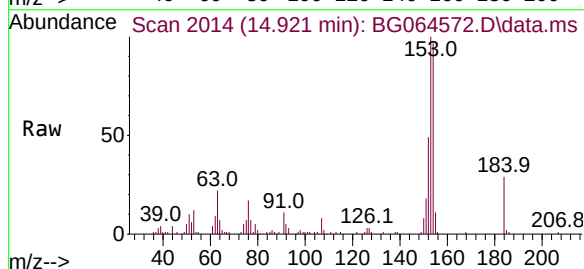
Tgt Ion:138 Resp: 37234
Ion Ratio Lower Upper
138 100
108 17.6 11.4 17.0
92 118.5 95.3 142.9

Manual Integrations
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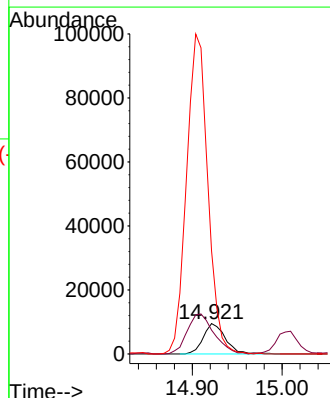
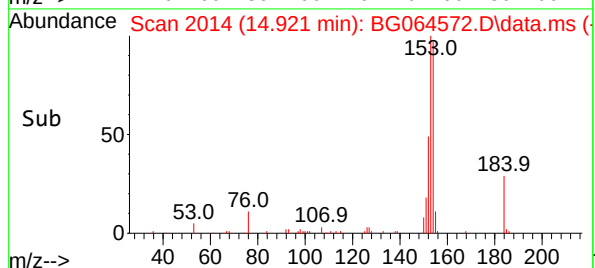
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

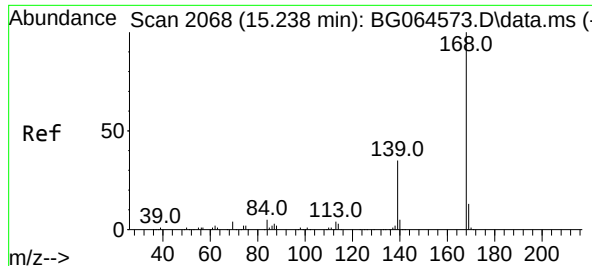


#54
2,4-Dinitrophenol
Concen: 18.744 ng
RT: 14.921 min Scan# 2014
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



Tgt Ion:184 Resp: 16182
Ion Ratio Lower Upper
184 100
63 78.3 56.6 85.0
154 339.0 158.6 238.0#





#55

Dibenzofuran

Concen: 19.534 ng

RT: 15.239 min Scan# 2068

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

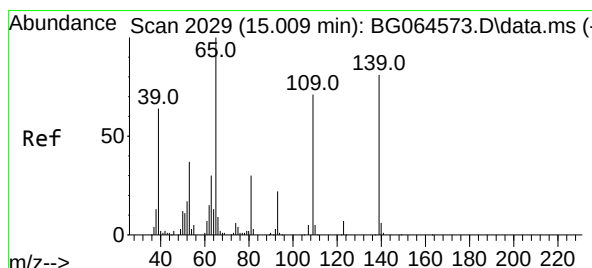
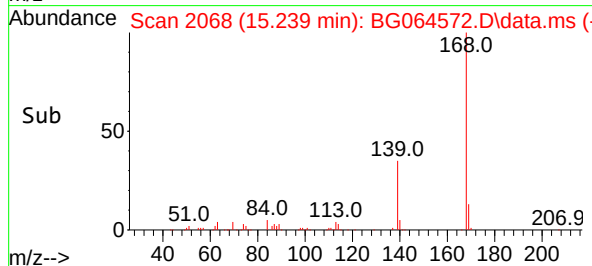
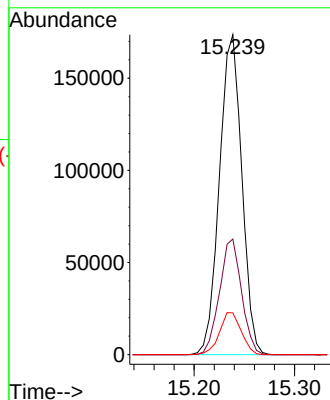
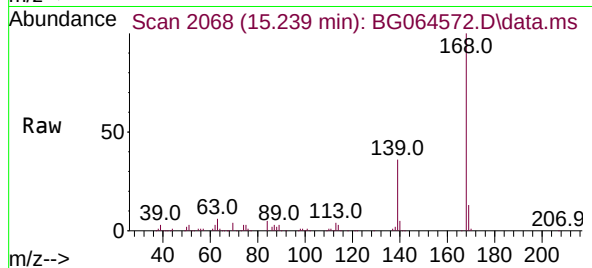
Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:	168	Resp:	269419
Ion Ratio	Lower	Upper	
168	100		
139	36.1	27.8	41.8
169	13.0	10.3	15.5

Manual Integrations
APPROVEDReviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

#56

4-Nitrophenol

Concen: 17.439 ng

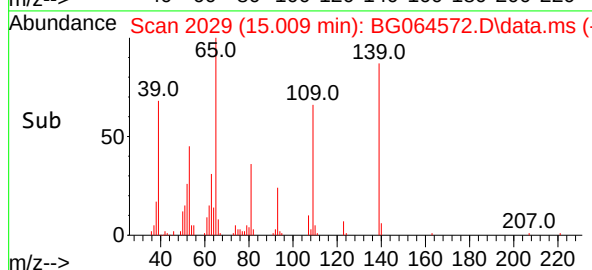
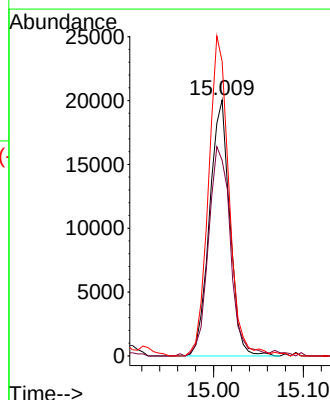
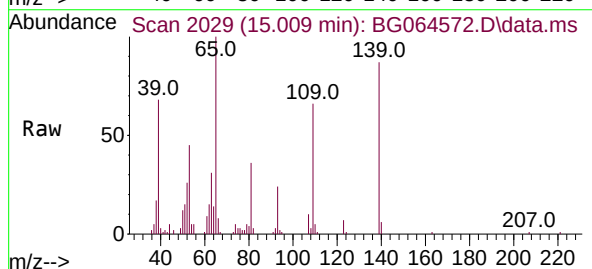
RT: 15.009 min Scan# 2029

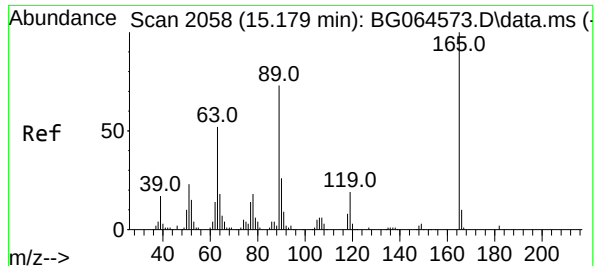
Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Tgt Ion:	139	Resp:	31366
Ion Ratio	Lower	Upper	
139	100		
109	76.4	67.8	107.8
65	115.0	103.7	143.7





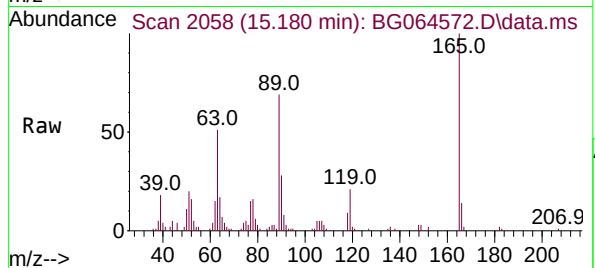
#57
2,4-Dinitrotoluene
Concen: 17.427 ng
RT: 15.180 min Scan# 2058
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020



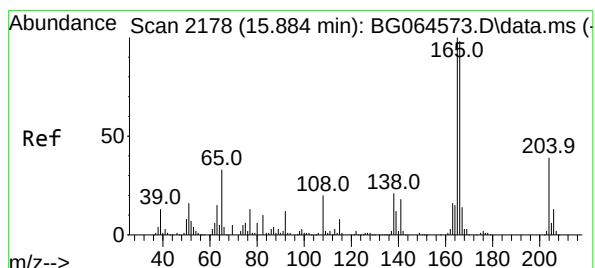
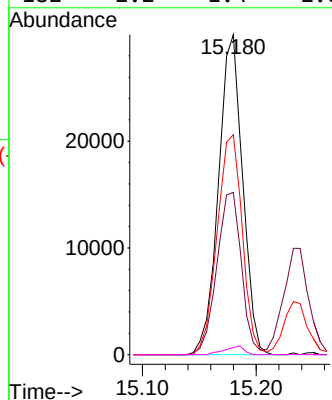
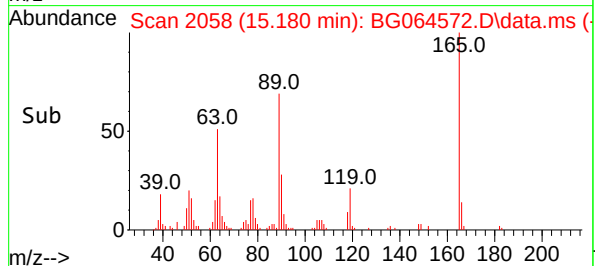
Tgt Ion:165 Resp: 44209
Ion Ratio Lower Upper
165 100
63 50.7 41.8 62.8
89 68.7 58.1 87.1
182 2.2 1.4 2.0#

Manual Integrations

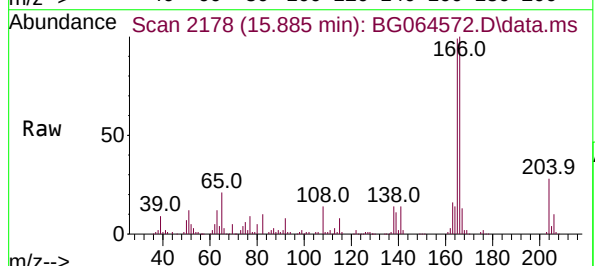
APPROVED

Reviewed By :Rahul Chavli 10/27/2025

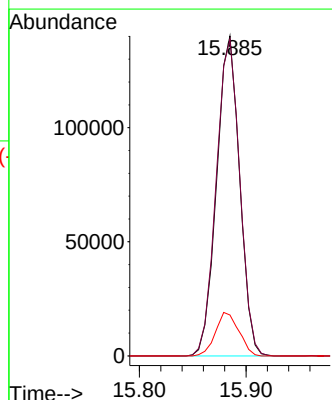
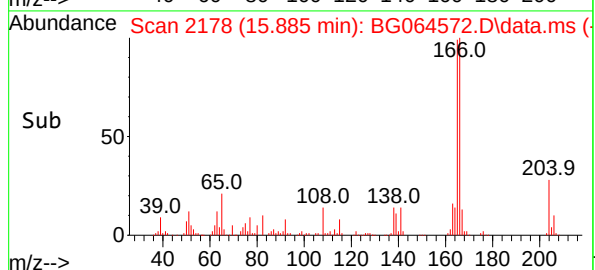
Supervised By :Jagrut Upadhyay 10/27/2025

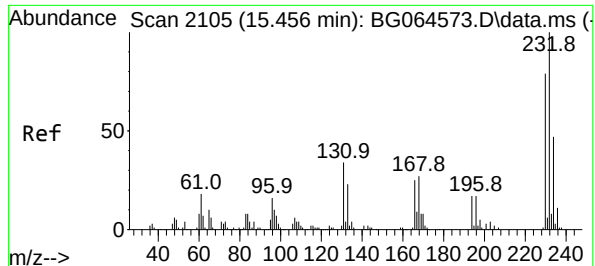


#58
Fluorene
Concen: 19.536 ng
RT: 15.885 min Scan# 2178
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



Tgt Ion:166 Resp: 210426
Ion Ratio Lower Upper
166 100
165 99.0 81.5 122.3
167 12.8 11.4 17.0





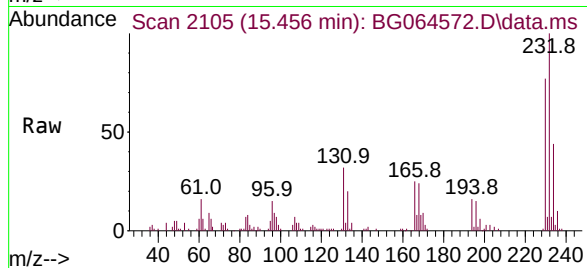
#59
2,3,4,6-Tetrachlorophenol
Concen: 18.980 ng
RT: 15.456 min Scan# 2105
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020



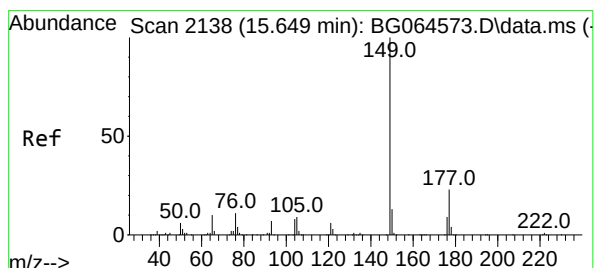
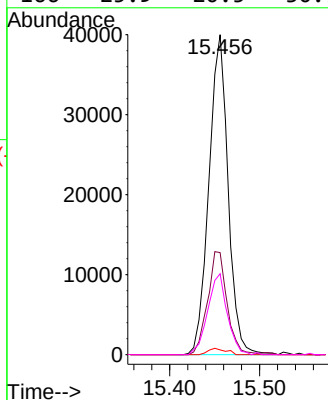
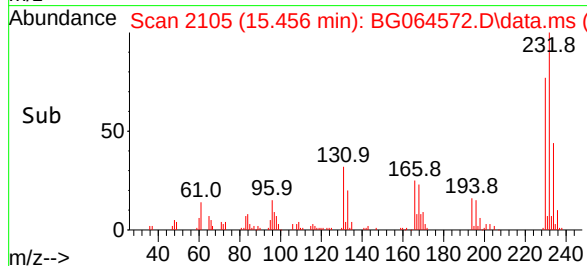
Tgt Ion:232 Resp: 59314
Ion Ratio Lower Upper
232 100
131 32.5 26.7 40.1
130 1.8 1.6 2.4
166 25.9 20.5 30.7

Manual Integrations

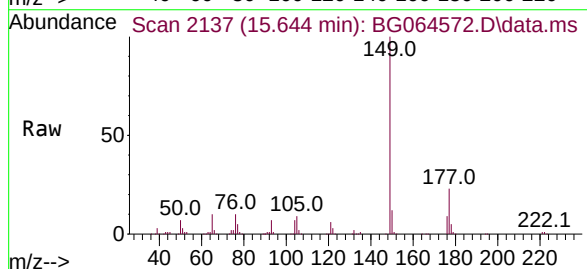
APPROVED

Reviewed By :Rahul Chavli 10/27/2025

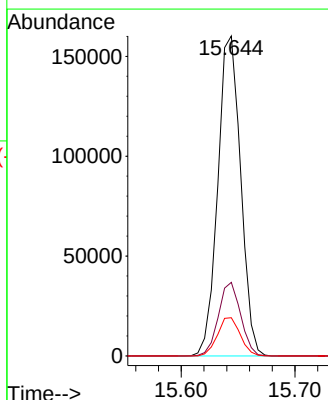
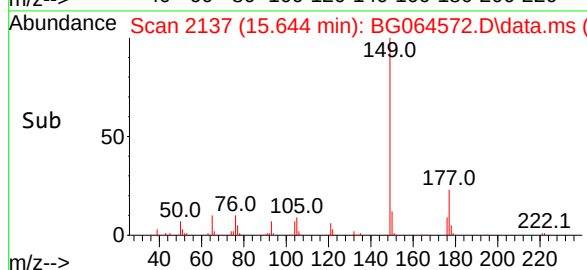
Supervised By :Jagrut Upadhyay 10/27/2025

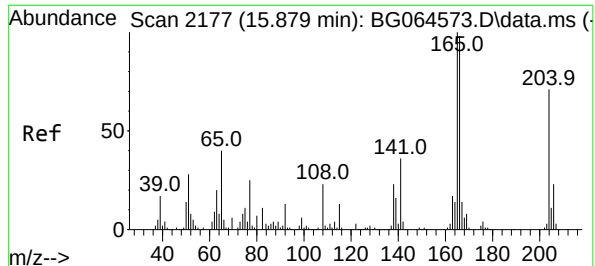


#60
Diethylphthalate
Concen: 19.382 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



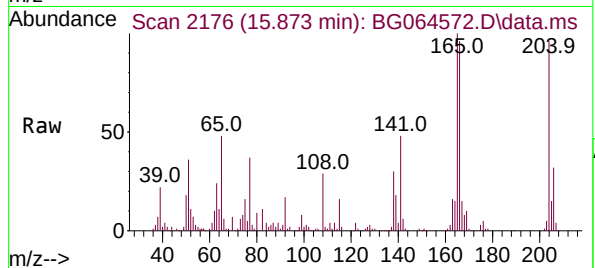
Tgt Ion:149 Resp: 223398
Ion Ratio Lower Upper
149 100
177 23.0 18.0 27.0
150 11.9 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 19.333 ng
RT: 15.873 min Scan# 2177
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

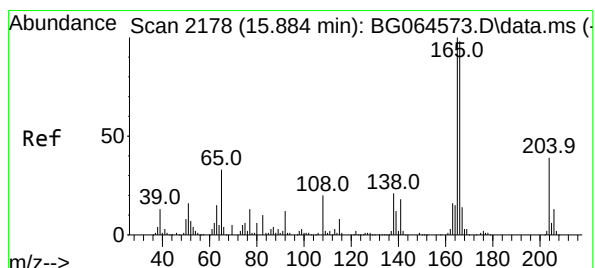
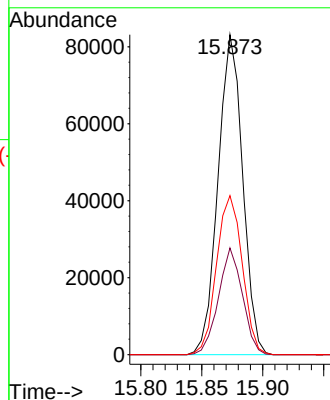
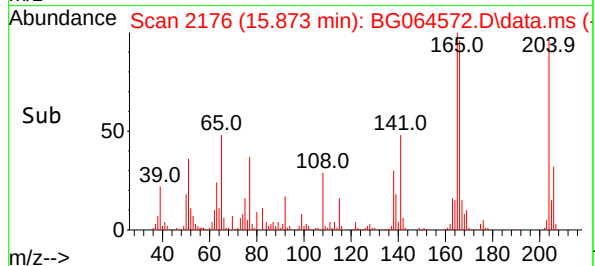
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



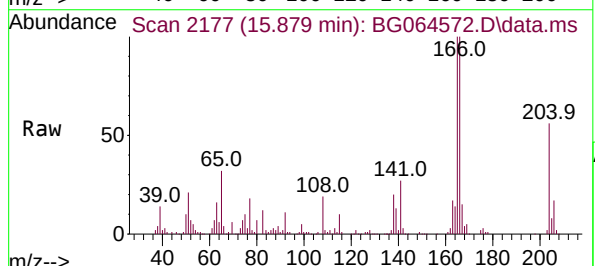
Tgt Ion:204 Resp: 11686
Ion Ratio Lower Upper
204 100
206 33.3 25.6 38.4
141 49.7 40.6 60.8

Manual Integrations
APPROVED

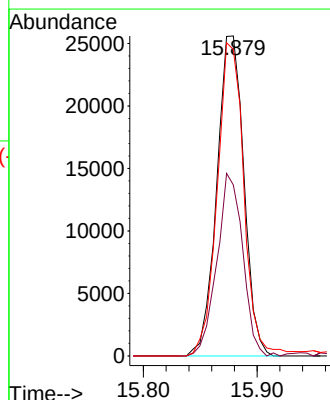
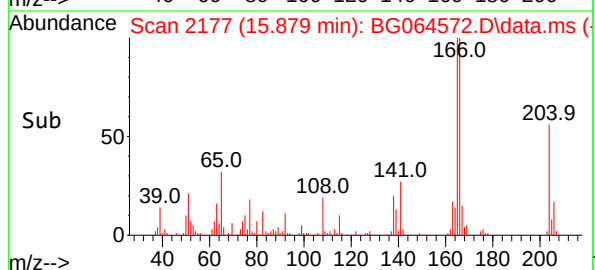
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

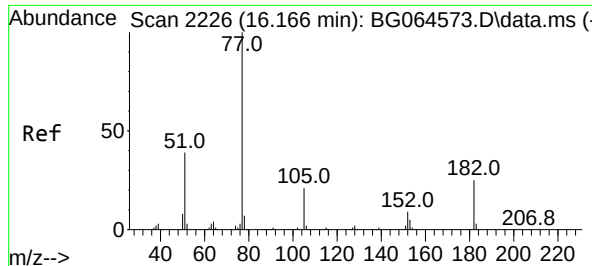


#62
4-Nitroaniline
Concen: 19.582 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.015 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



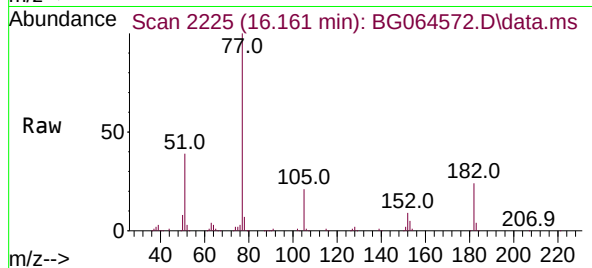
Tgt Ion:138 Resp: 42261
Ion Ratio Lower Upper
138 100
92 53.4 36.1 76.1
108 95.8 75.6 115.6





#63
Azobenzene
Concen: 19.205 ng
RT: 16.161 min Scan# 2226
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

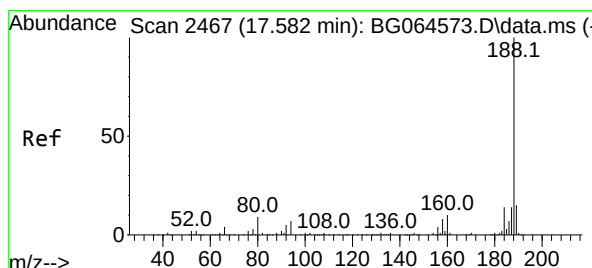
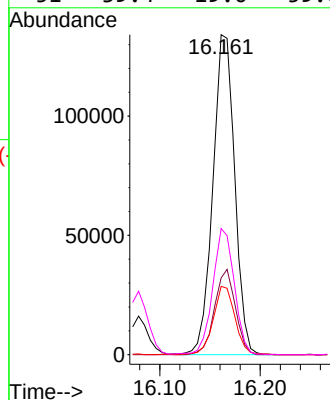
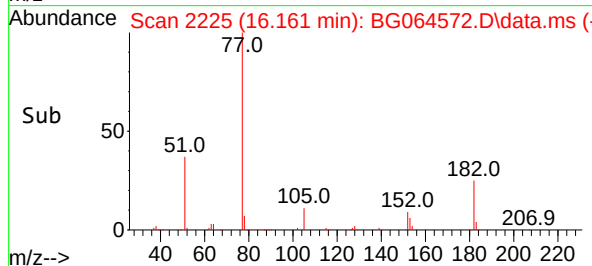
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 203101
Ion Ratio Lower Upper
77 100
182 24.0 4.9 44.9
105 21.3 1.3 41.3
51 39.4 19.0 59.0

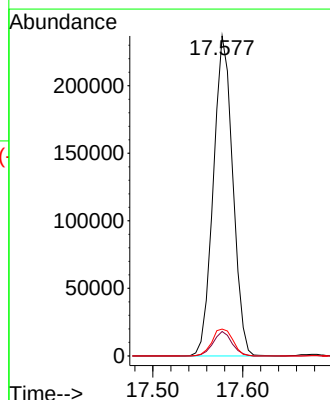
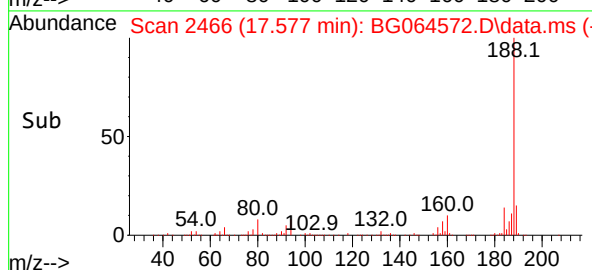
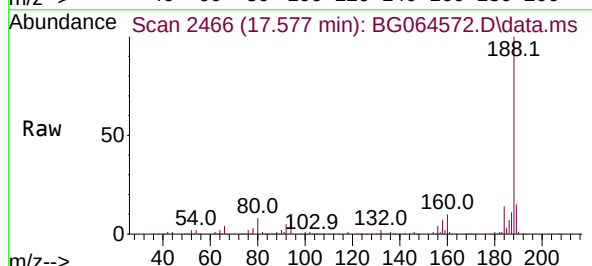
Manual Integrations
APPROVED

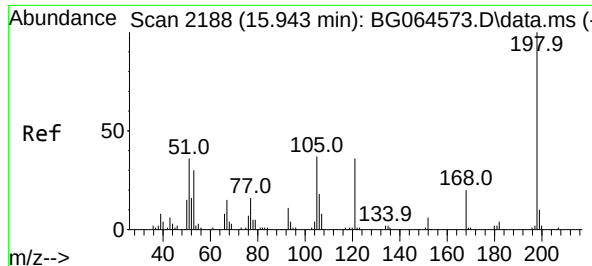
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

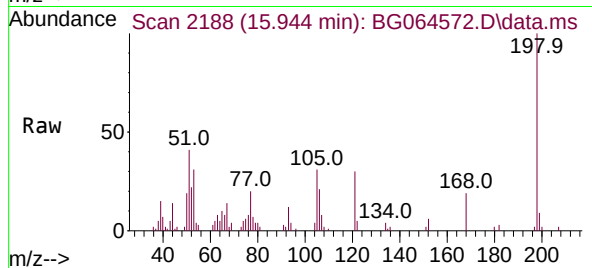
Tgt Ion:188 Resp: 357228
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 8.4 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 18.316 ng
RT: 15.944 min Scan# 2188
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

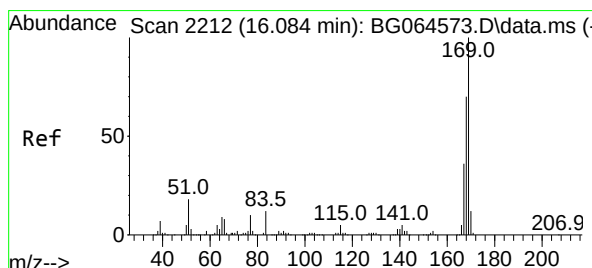
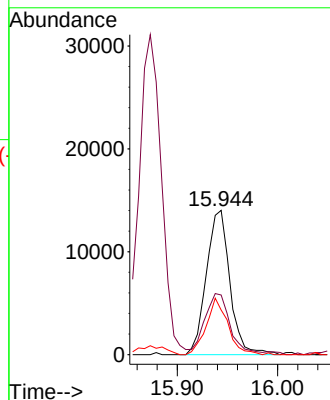
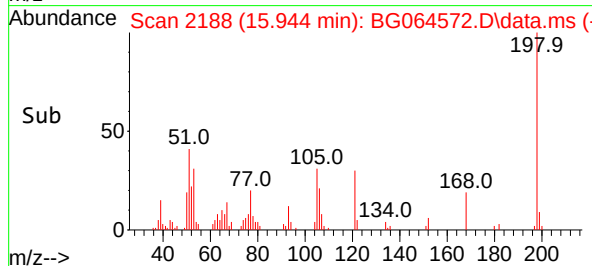
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



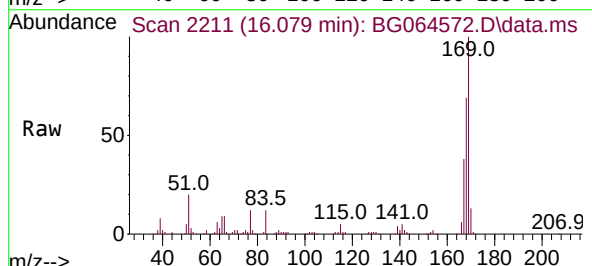
Tgt Ion:198 Resp: 22843
Ion Ratio Lower Upper
198 100
51 41.3 24.7 64.7
105 30.8 18.0 58.0

Manual Integrations
APPROVED

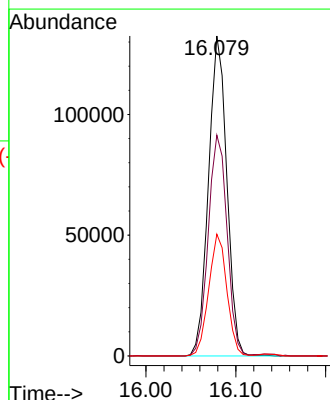
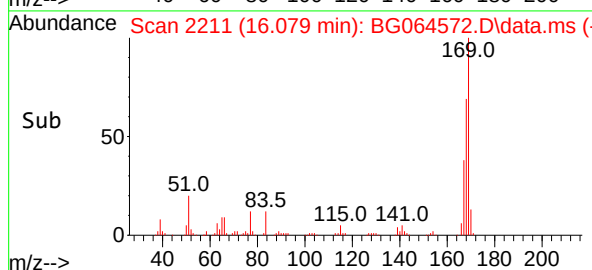
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

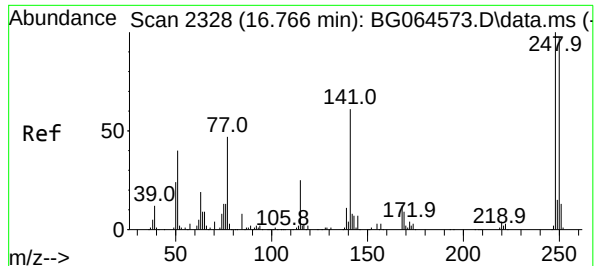


#66
n-Nitrosodiphenylamine
Concen: 19.437 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



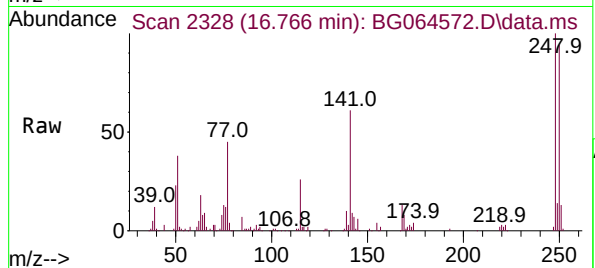
Tgt Ion:169 Resp: 187560
Ion Ratio Lower Upper
169 100
168 69.0 56.3 84.5
167 38.0 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 19.444 ng
RT: 16.766 min Scan# 2328
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

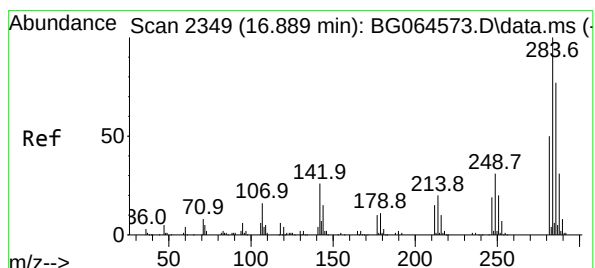
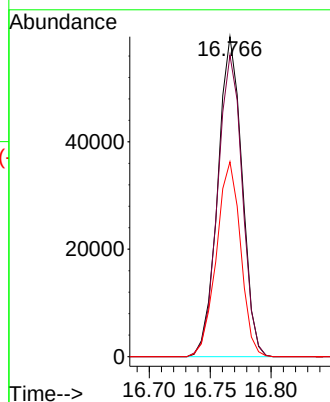
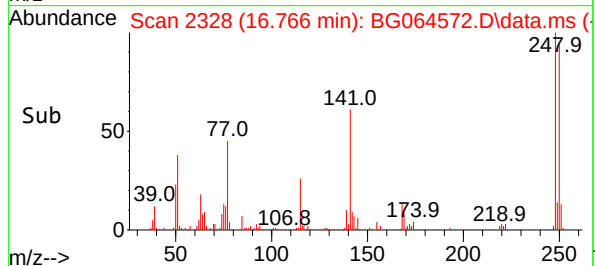
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



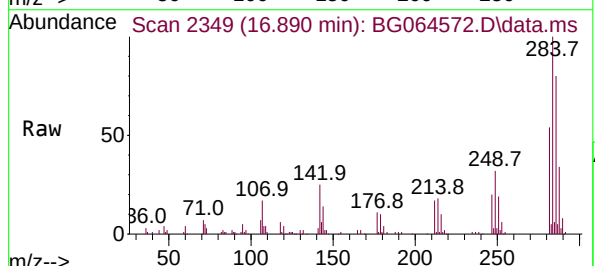
Tgt Ion:248 Resp: 8231
Ion Ratio Lower Upper
248 100
250 94.2 77.7 116.5
141 60.9 48.6 72.8

Manual Integrations
APPROVED

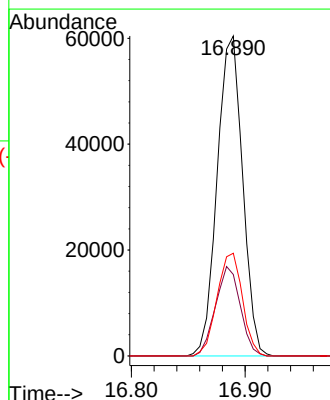
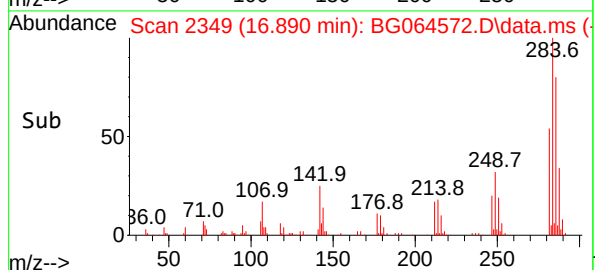
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

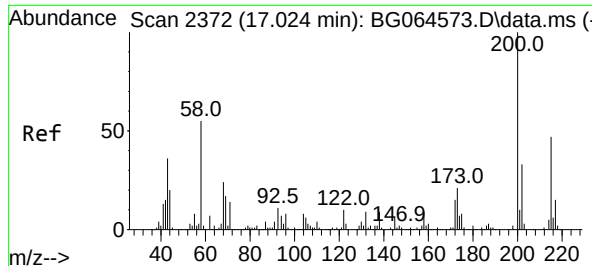


#68
Hexachlorobenzene
Concen: 19.391 ng
RT: 16.890 min Scan# 2349
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



Tgt Ion:284 Resp: 93647
Ion Ratio Lower Upper
284 100
142 25.4 21.0 31.6
249 34.6 24.9 37.3





#69

Atrazine

Concen: 21.392 ng

RT: 17.019 min Scan# 2371

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:200 Resp: 88832

Ion Ratio Lower Upper

200 100

173 24.1 0.9 40.9

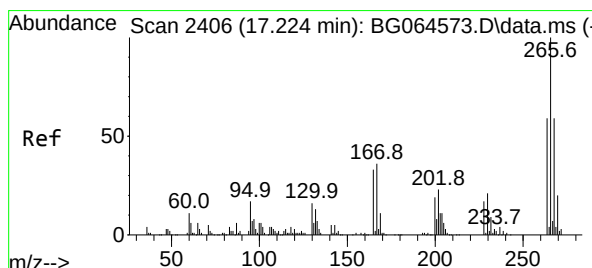
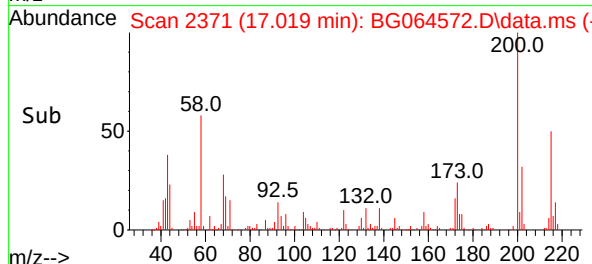
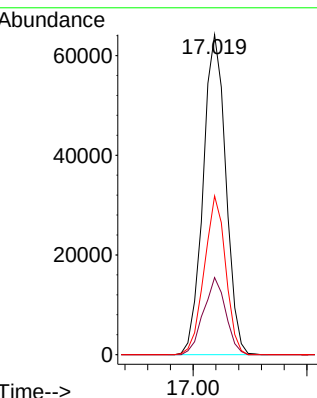
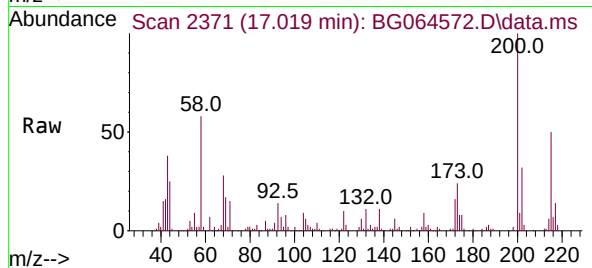
215 49.6 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#70

Pentachlorophenol

Concen: 18.022 ng

RT: 17.219 min Scan# 2405

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

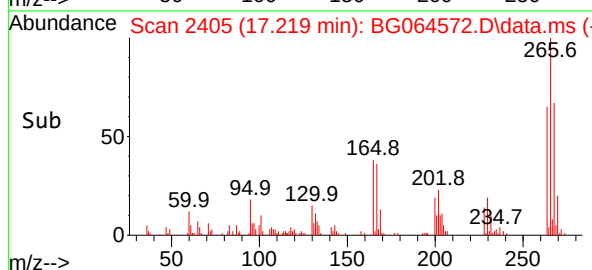
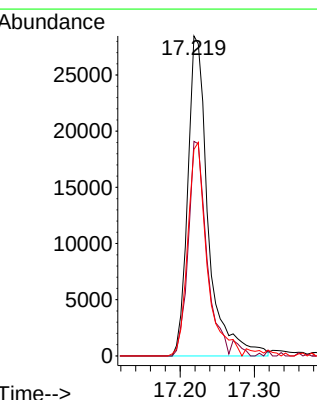
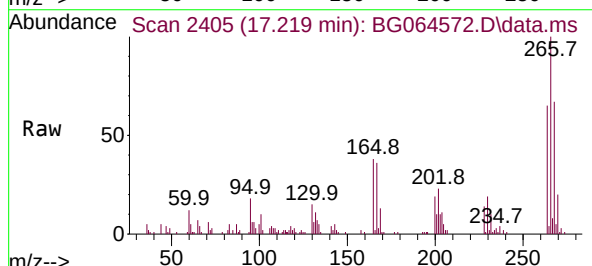
Tgt Ion:266 Resp: 54275

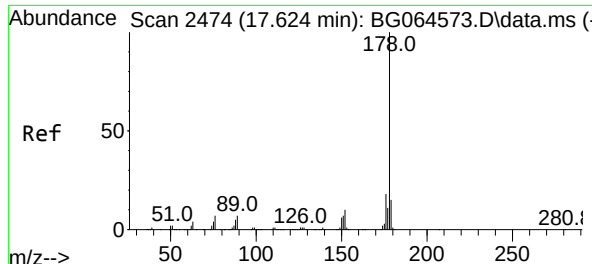
Ion Ratio Lower Upper

266 100

268 71.7 50.3 75.5

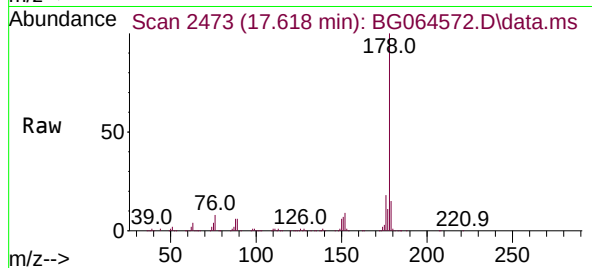
264 68.9 47.3 70.9





#71
Phenanthrene
Concen: 19.624 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

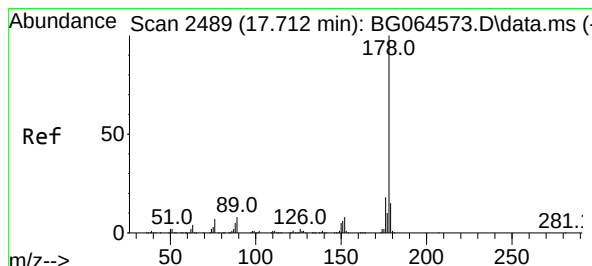
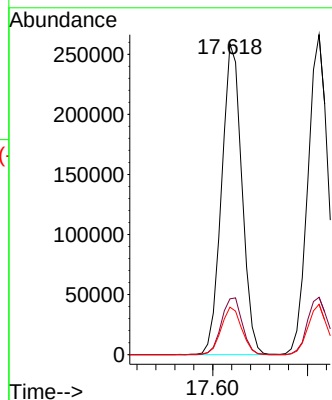
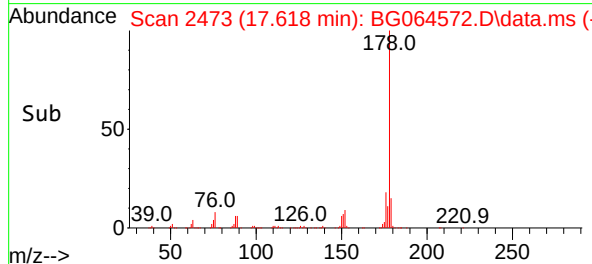
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:178 Resp: 383359
Ion Ratio Lower Upper
178 100
176 17.9 14.7 22.1
179 15.3 12.2 18.4

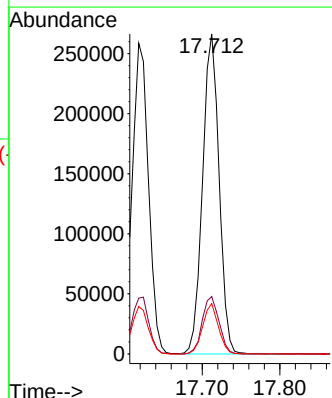
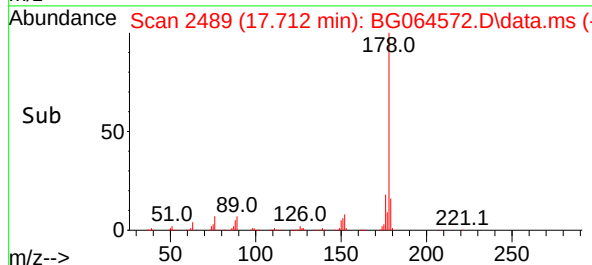
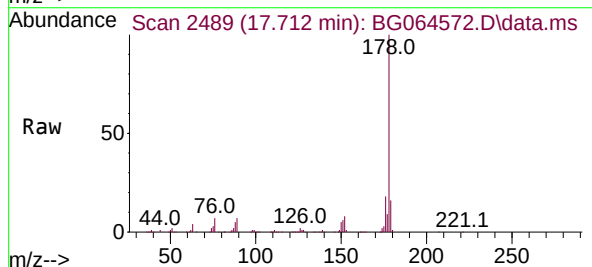
Manual Integrations
APPROVED

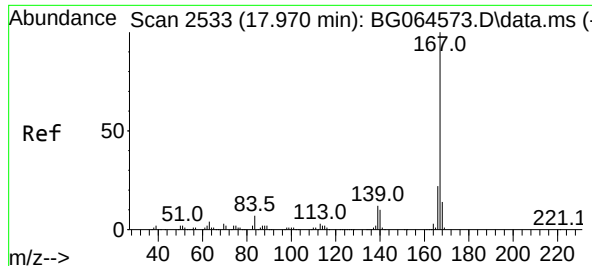
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#72
Anthracene
Concen: 19.792 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

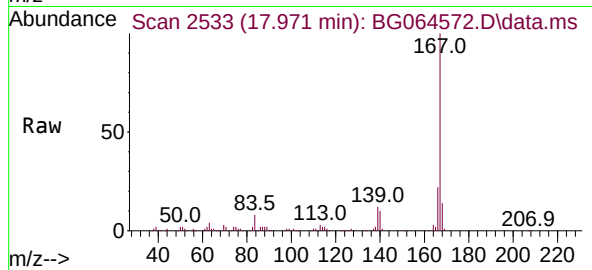
Tgt Ion:178 Resp: 393312
Ion Ratio Lower Upper
178 100
176 17.9 14.4 21.6
179 15.7 12.4 18.6





#73
Carbazole
Concen: 20.014 ng
RT: 17.971 min Scan# 2533
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

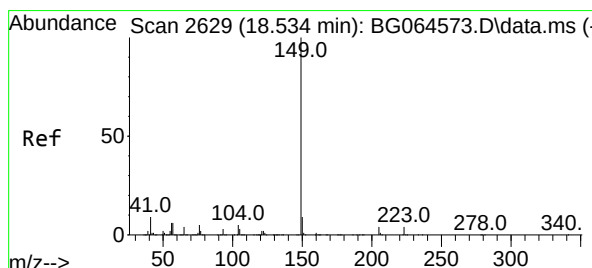
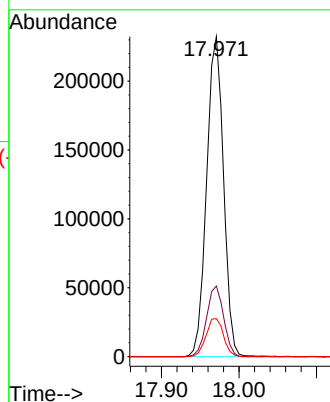
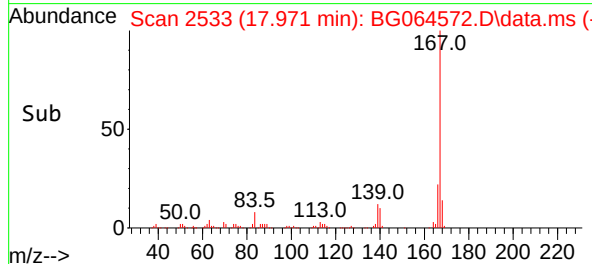
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



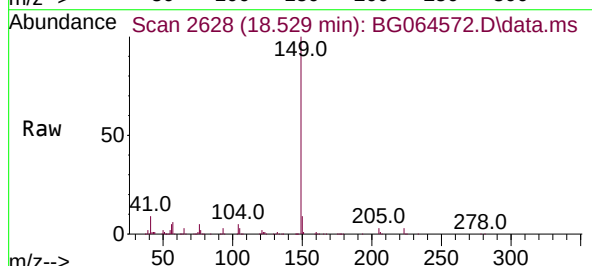
Tgt Ion:167 Resp: 35072
Ion Ratio Lower Upper
167 100
166 22.1 17.9 26.9
139 11.9 9.7 14.5

Manual Integrations
APPROVED

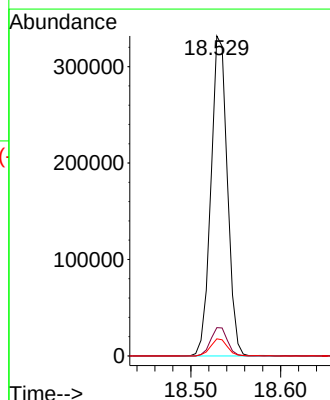
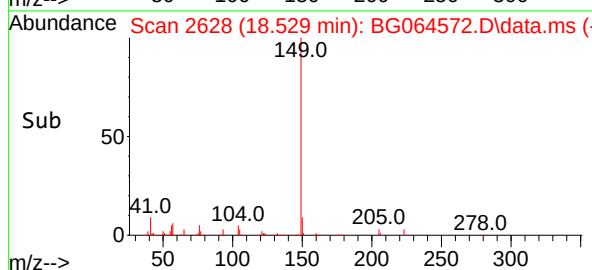
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

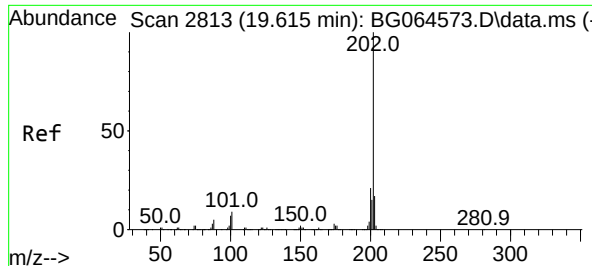


#74
Di-n-butylphthalate
Concen: 20.788 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



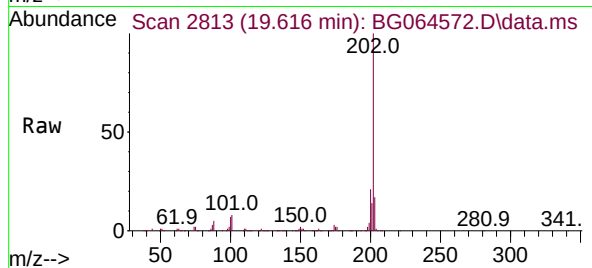
Tgt Ion:149 Resp: 421239
Ion Ratio Lower Upper
149 100
150 8.8 7.0 10.6
104 5.4 4.1 6.1





#75
Fluoranthene
Concen: 20.142 ng
RT: 19.616 min Scan# 2813
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

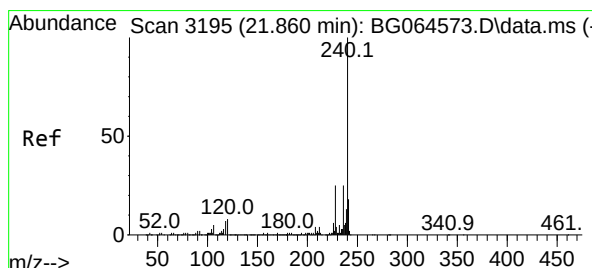
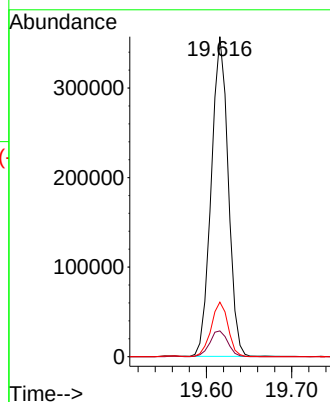
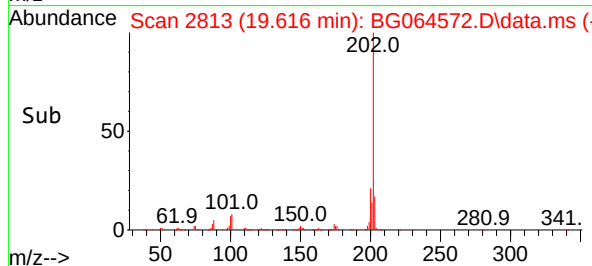
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 492924
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.7
203 17.0 0.0 37.0

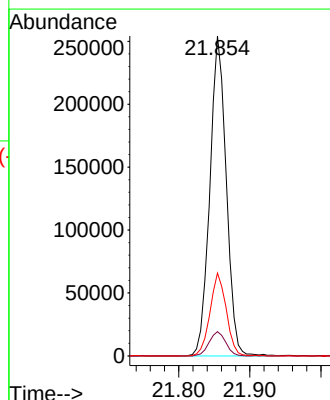
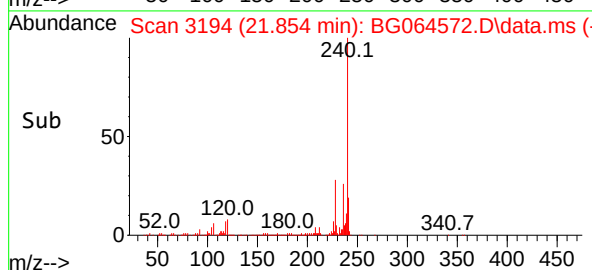
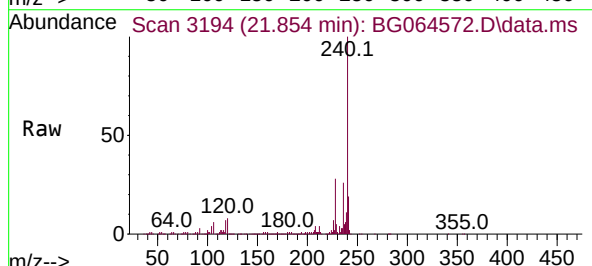
Manual Integrations
APPROVED

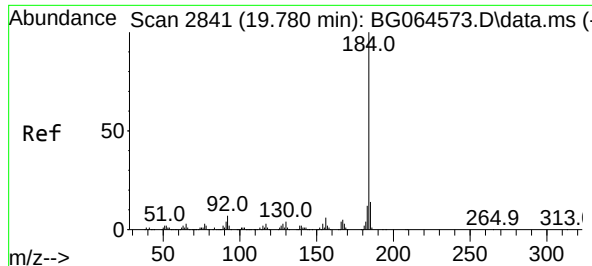
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:240 Resp: 408574
Ion Ratio Lower Upper
240 100
120 7.6 6.5 9.7
236 25.9 20.2 30.2





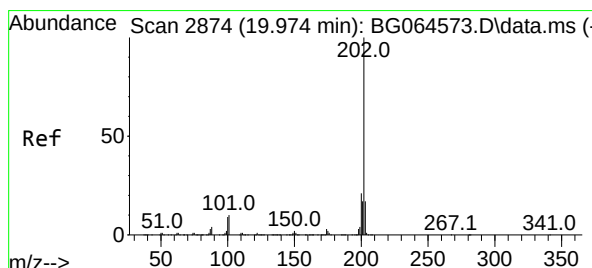
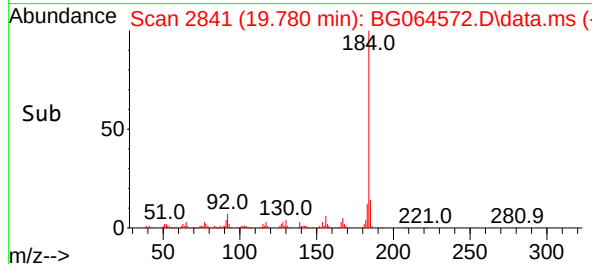
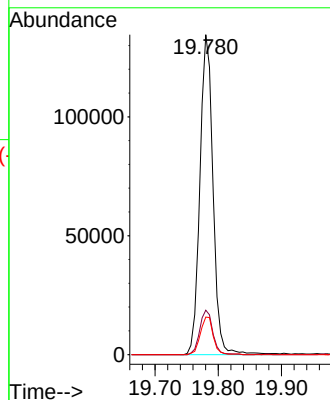
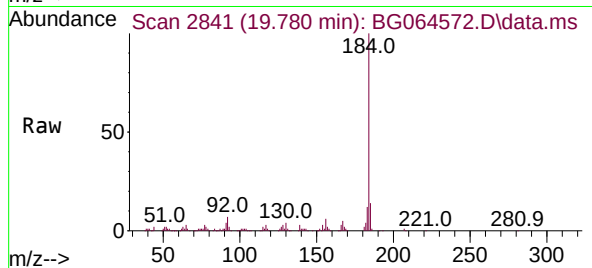
#77
Benzidine
Concen: 21.201 ng
RT: 19.780 min Scan# 2841
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 194070
Ion Ratio Lower Upper
184 100
185 13.9 11.4 17.2
183 11.7 9.4 14.2

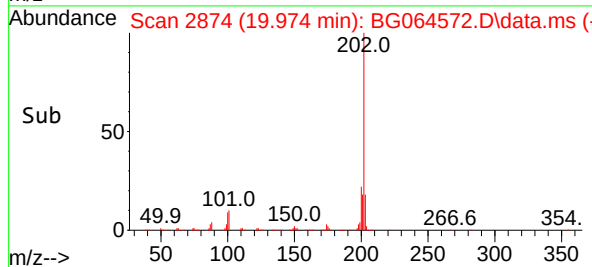
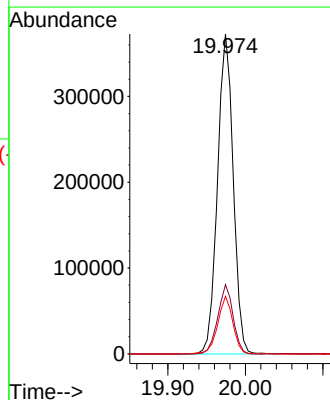
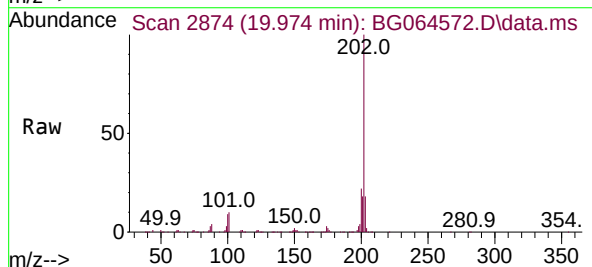
Manual Integrations
APPROVED

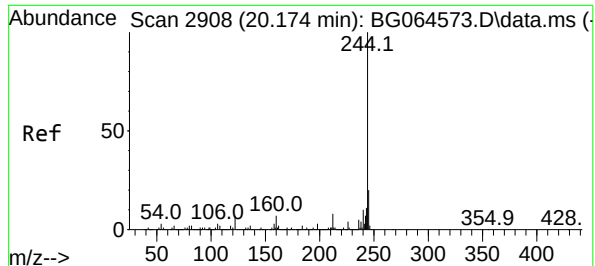
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#78
Pyrene
Concen: 19.646 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

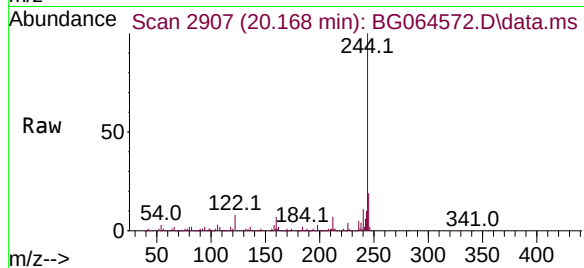
Tgt Ion:202 Resp: 524431
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 18.0 13.8 20.6





#79
Terphenyl-d14
Concen: 40.219 ng
RT: 20.168 min Scan# 2907
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

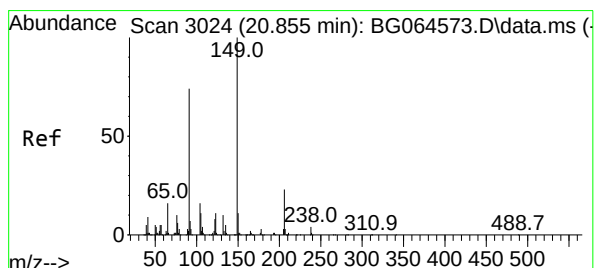
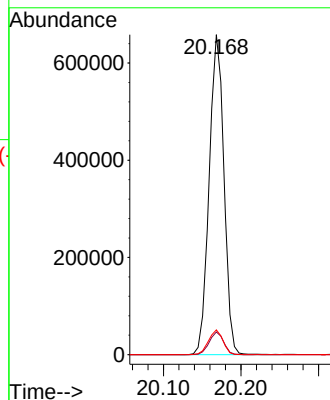
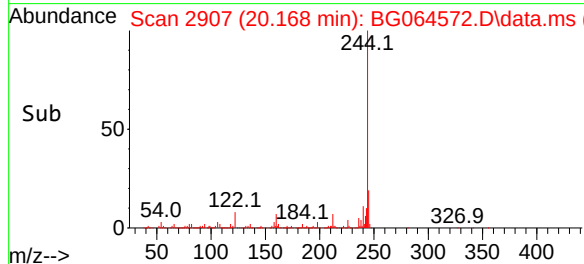
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



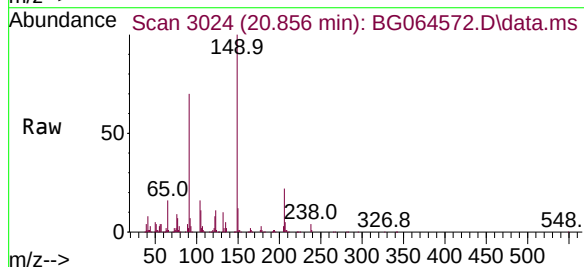
Tgt Ion:244 Resp: 87074
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 7.7 5.6 8.4

Manual Integrations
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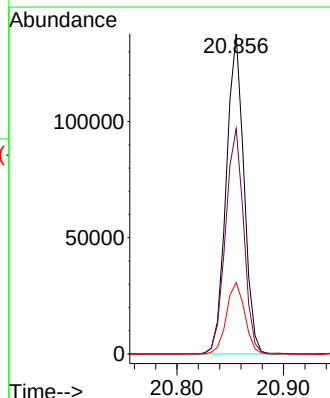
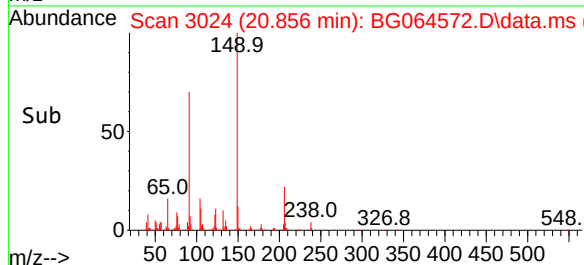
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

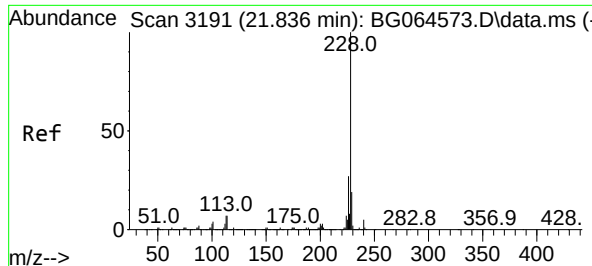


#80
Butylbenzylphthalate
Concen: 19.633 ng
RT: 20.856 min Scan# 3024
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



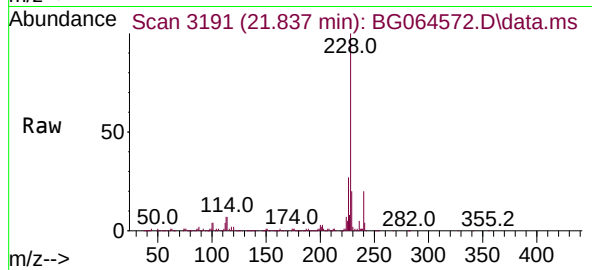
Tgt Ion:149 Resp: 158394
Ion Ratio Lower Upper
149 100
91 70.4 59.2 88.8
206 22.3 18.1 27.1





#81
Benzo(a)anthracene
Concen: 19.490 ng
RT: 21.837 min Scan# 3191
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

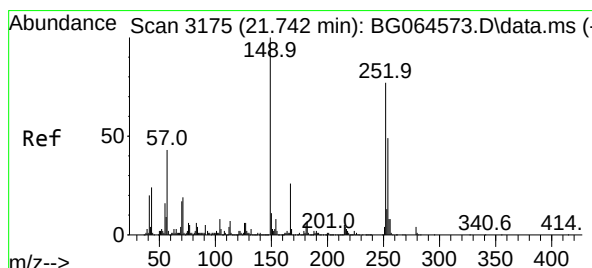
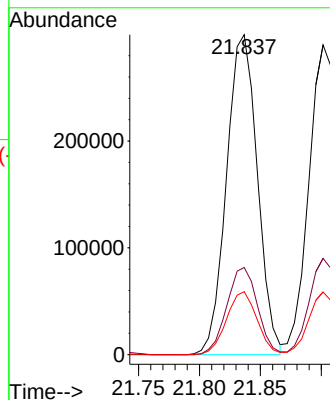
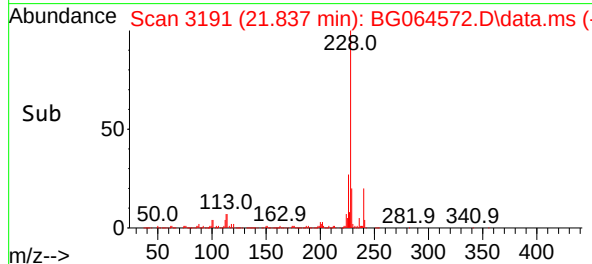
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 528009
Ion Ratio Lower Upper
228 100
226 27.2 21.9 32.9
229 19.7 15.6 23.4

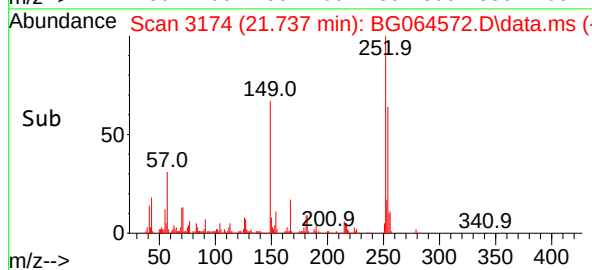
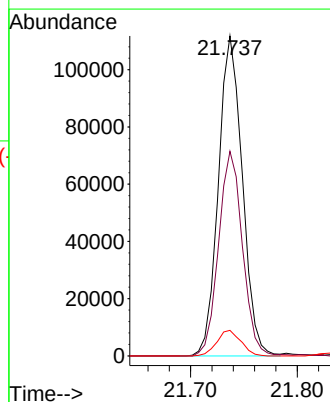
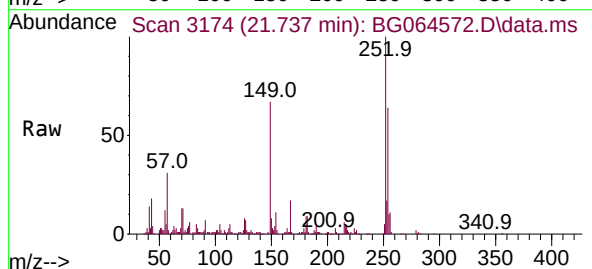
Manual Integrations
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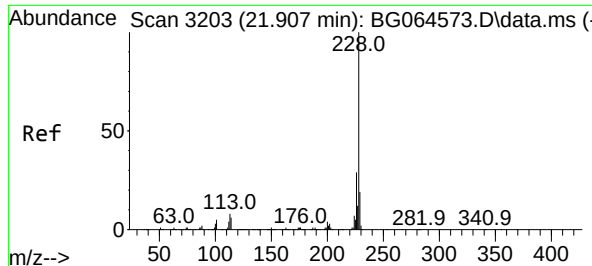
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 19.323 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 174803
Ion Ratio Lower Upper
252 100
254 63.9 50.8 76.2
126 8.0 5.8 8.6





#83

Chrysene

Concen: 19.479 ng

RT: 21.901 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

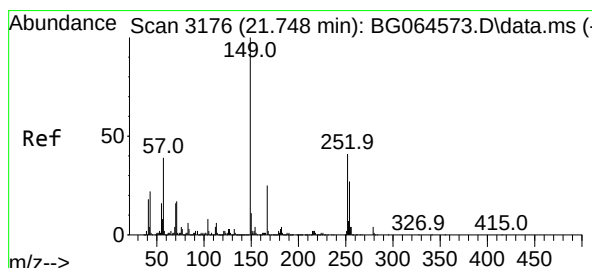
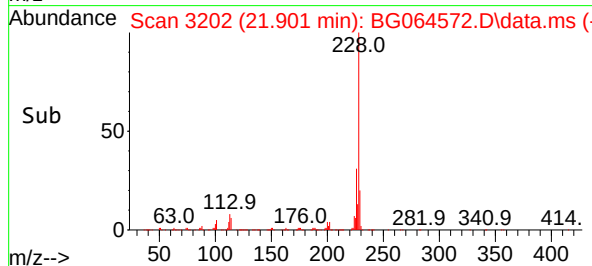
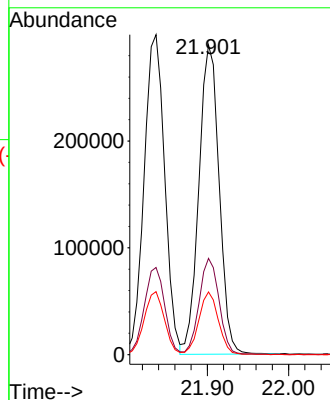
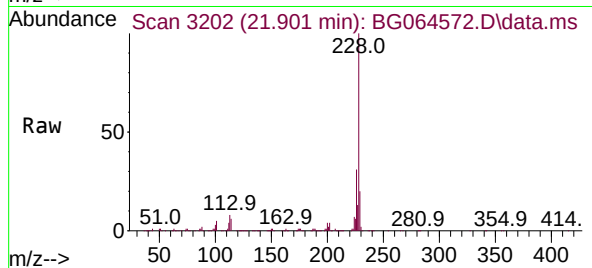
Tgt Ion:228	Resp: 502125
Ion Ratio	Lower Upper
228 100	
226 31.1	23.3 34.9
229 20.2	15.2 22.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 19.703 ng

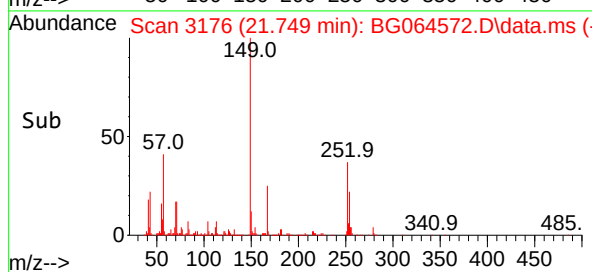
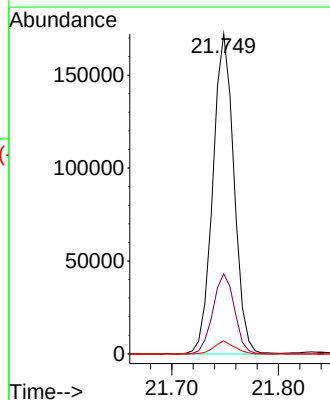
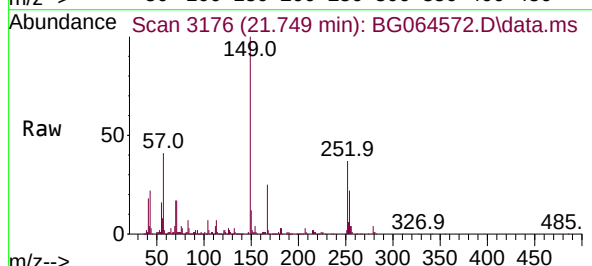
RT: 21.749 min Scan# 3176

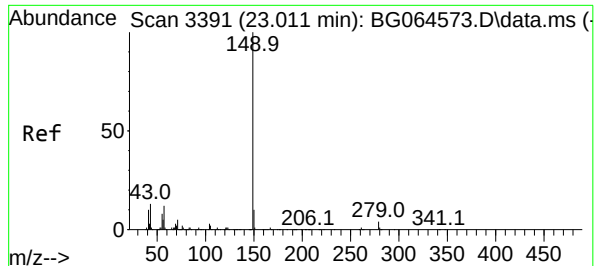
Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

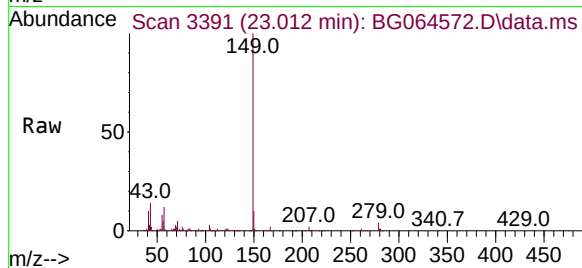
Tgt Ion:149	Resp: 237524
Ion Ratio	Lower Upper
149 100	
167 25.0	20.0 30.0
279 4.1	3.1 4.7





#85
Di-n-octyl phthalate
Concen: 18.740 ng
RT: 23.012 min Scan# 3391
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

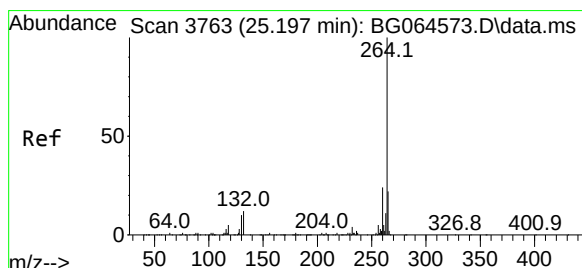
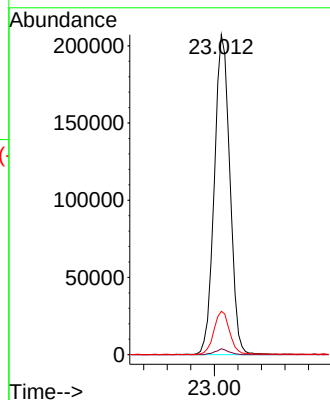
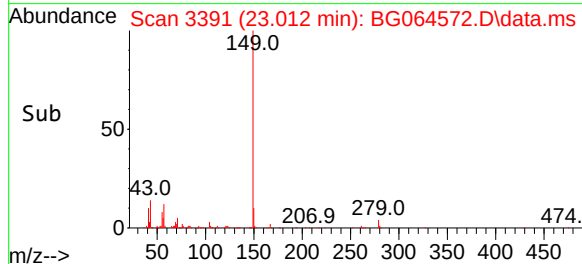
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



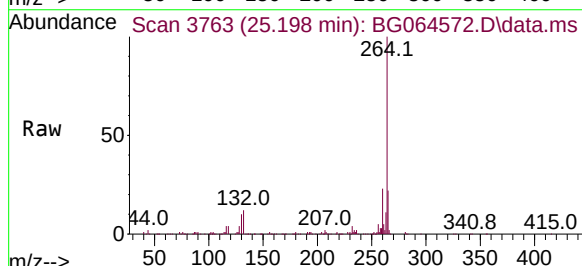
Tgt Ion:149 Resp: 380895
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 14.0 10.8 16.2

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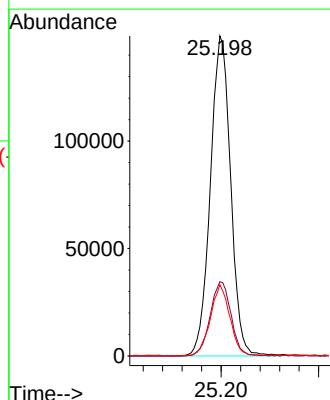
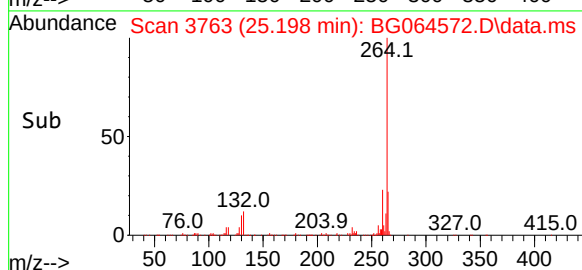
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

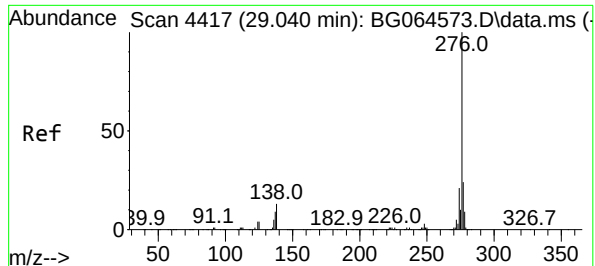


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



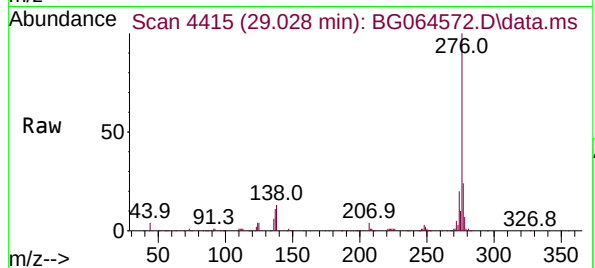
Tgt Ion:264 Resp: 430370
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.4
265 22.2 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.163 ng
RT: 29.028 min Scan# 4417
Delta R.T. -0.032 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

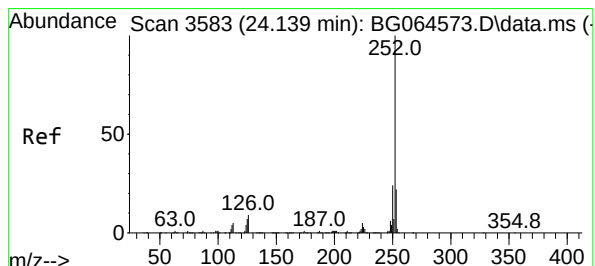
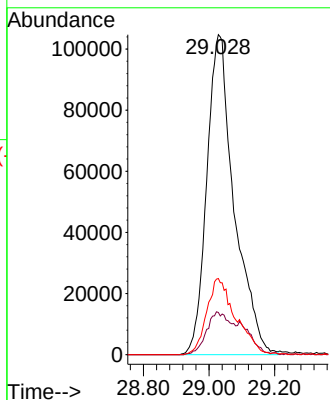
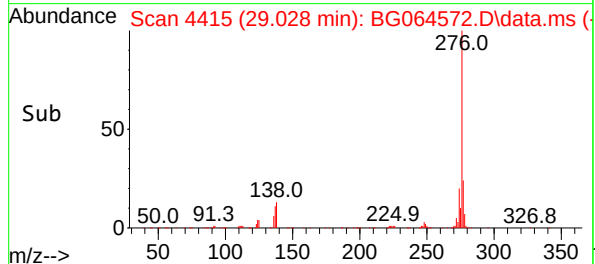
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



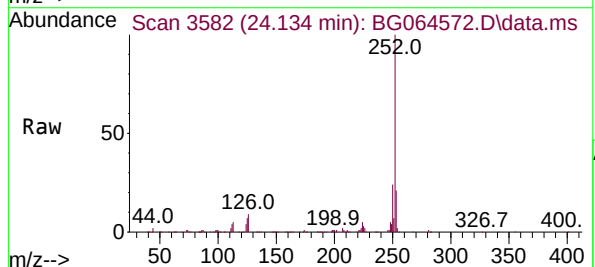
Tgt Ion: 276 Resp: 606702
Ion Ratio Lower Upper
276 100
138 12.0 10.8 16.2
277 25.1 20.1 30.1

Manual Integrations
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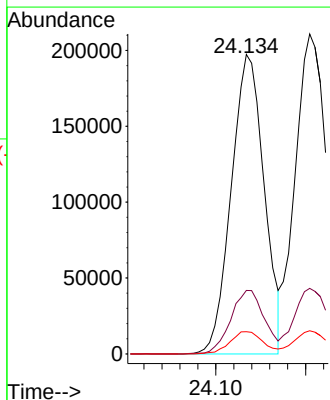
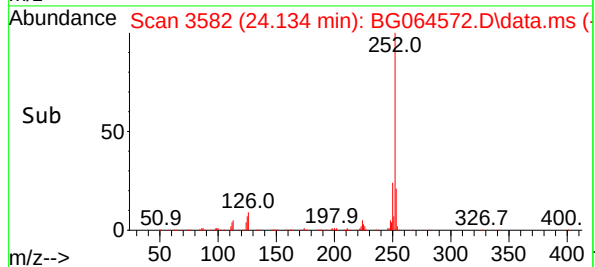
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

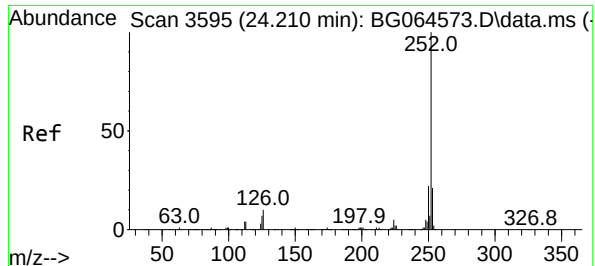


#88
Benzo(b)fluoranthene
Concen: 19.066 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



Tgt Ion: 252 Resp: 503145
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.8
125 7.4 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 19.650 ng

RT: 24.205 min Scan# 3594

Delta R.T. -0.015 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

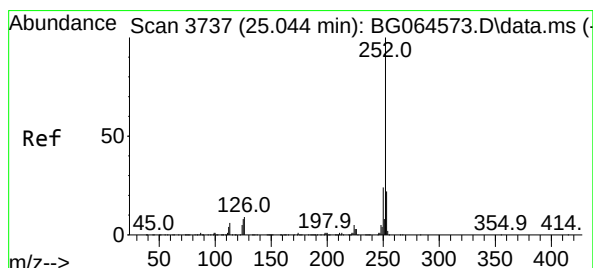
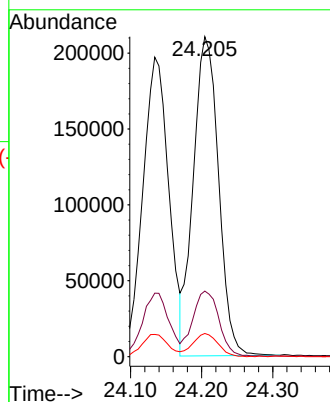
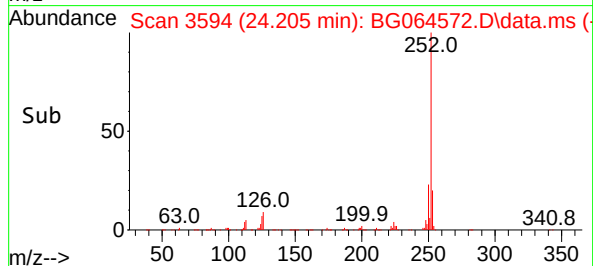
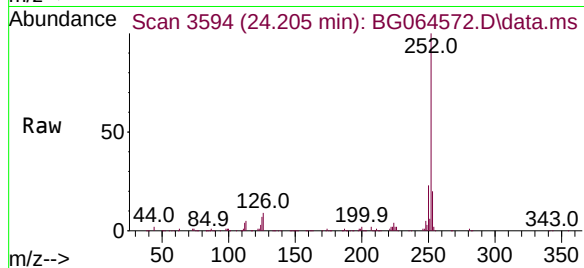
SSTDICC020

Tgt Ion	252	253	125
Ratio	100	20.5	7.2
Lower		16.8	5.4
Upper		25.2	8.0

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 19.398 ng

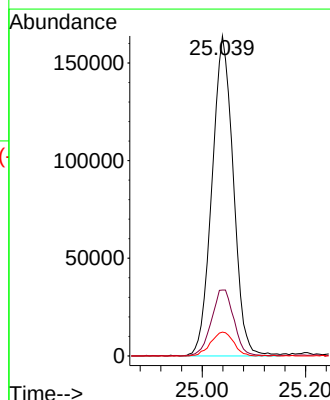
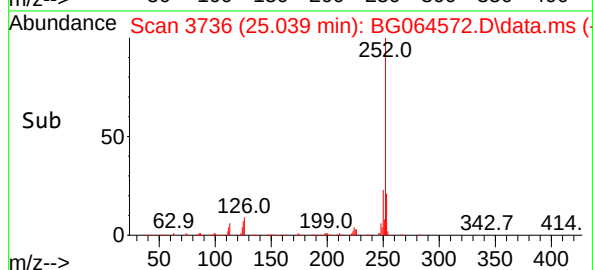
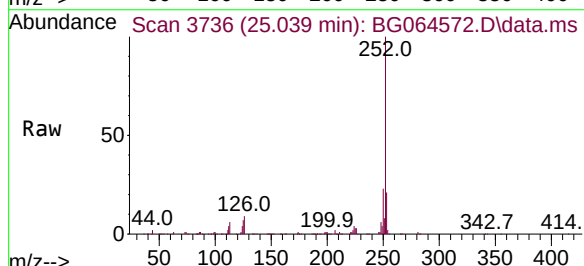
RT: 25.039 min Scan# 3736

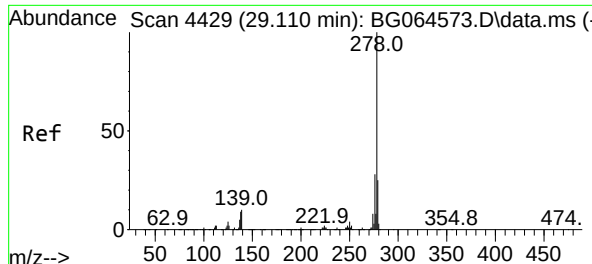
Delta R.T. -0.021 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

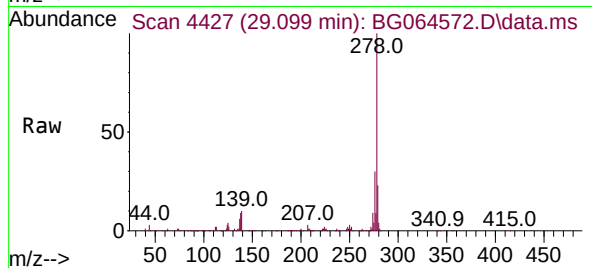
Tgt Ion	252	253	125
Ratio	100	20.6	7.4
Lower		17.6	6.1
Upper		26.4	9.1





#91
Dibenzo(a,h)anthracene
Concen: 19.377 ng
RT: 29.099 min Scan# 4429
Delta R.T. -0.038 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

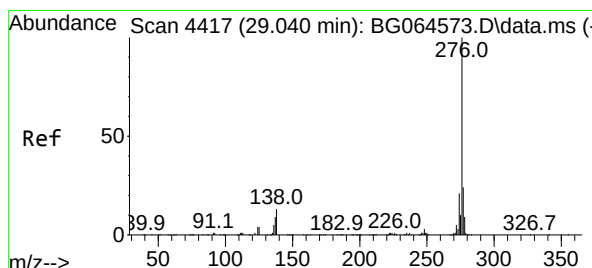
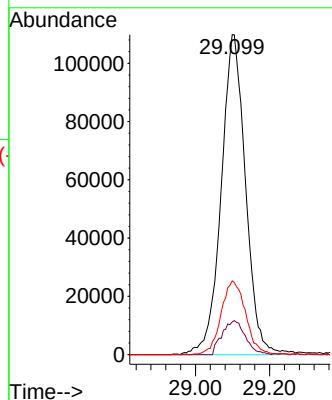
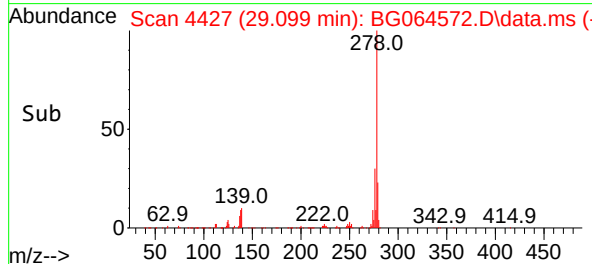
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion: 278 Resp: 498395
Ion Ratio Lower Upper
278 100
139 10.2 8.0 12.0
279 23.0 19.8 29.6

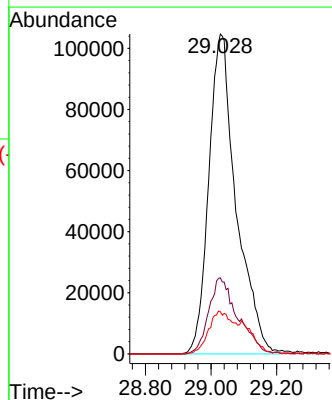
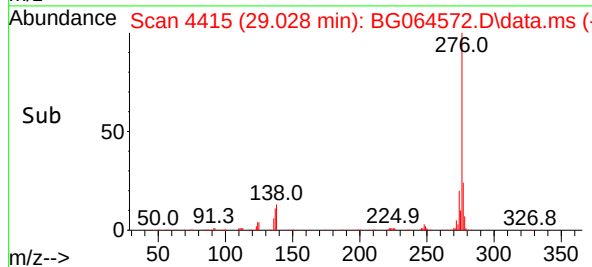
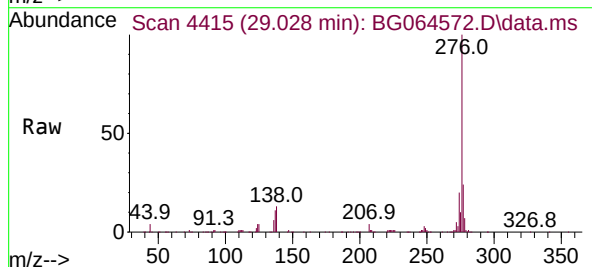
Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 19.163 ng
RT: 29.028 min Scan# 4415
Delta R.T. -0.032 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 276 Resp: 606702
Ion Ratio Lower Upper
276 100
277 23.8 19.2 28.8
138 13.2 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064573.D
 Acq On : 24 Oct 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICCC040

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
 Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	40195	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	164795	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	130542	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	313311	20.000	ng	0.00
76) Chrysene-d12	21.860	240	332834	20.000	ng	0.00
86) Perylene-d12	25.197	264	350897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	207807	86.778	ng	0.00
7) Phenol-d6	7.353	99	284694	86.638	ng	0.00
23) Nitrobenzene-d5	9.386	82	248341	90.513	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	165976	88.092	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	722477	83.888	ng	0.00
79) Terphenyl-d14	20.174	244	1521028	86.242	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.587	88	42215	39.818	ng	100
3) Pyridine	3.998	79	134153	42.136	ng	100
4) n-Nitrosodimethylamine	3.904	42	72367	42.385	ng	100
6) Aniline	7.530	93	191799	42.894	ng	100
8) 2-Chlorophenol	7.776	128	110414	44.051	ng	100
9) Benzaldehyde	7.342	77	75557	42.117	ng	100
10) Phenol	7.377	94	156259	42.998	ng	100
11) bis(2-Chloroethyl)ether	7.530	93	191799	42.894	ng	100
12) 1,3-Dichlorobenzene	8.111	146	122224	42.367	ng	100
13) 1,4-Dichlorobenzene	8.258	146	123314	42.038	ng	100
14) 1,2-Dichlorobenzene	8.581	146	119228	42.140	ng	100
15) Benzyl Alcohol	8.446	79	114526	42.265	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.740	45	300095	42.819	ng	100
17) 2-Methylphenol	8.446	107	59910	44.231	ng	100
18) Hexachloroethane	9.322	117	43488	42.246	ng	100
19) n-Nitroso-di-n-propyla...	9.028	70	98647	43.438	ng	100
20) 3+4-Methylphenols	8.975	107	146177	43.080	ng	100
22) Acetophenone	9.045	105	192583	42.750	ng	100
24) Nitrobenzene	9.427	77	135107	45.274	ng	100
25) Isophorone	9.956	82	286439	43.507	ng	100
26) 2-Nitrophenol	10.144	139	45134	39.772	ng	100
27) 2,4-Dimethylphenol	10.191	122	110518	44.243	ng	100
28) bis(2-Chloroethoxy)met...	10.438	93	161449	43.070	ng	100
29) 2,4-Dichlorophenol	10.679	162	118669	45.026	ng	100
30) 1,2,4-Trichlorobenzene	10.908	180	128902	43.046	ng	100
31) Naphthalene	11.096	128	388032	42.469	ng	100
32) Benzoic acid	10.309	122	72661m	41.457	ng	
33) 4-Chloroaniline	11.190	127	151231	42.585	ng	100
34) Hexachlorobutadiene	11.390	225	98683	42.139	ng	100
35) Caprolactam	11.948	113	44205	43.731	ng	100
36) 4-Chloro-3-methylphenol	12.289	107	140272	44.278	ng	100
37) 2-Methylnaphthalene	12.688	142	285089	42.499	ng	100
38) 1-Methylnaphthalene	12.906	142	281256	42.611	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	183376	41.856	ng	100
41) Hexachlorocyclopentadiene	13.041	237	84505	42.853	ng	100
43) 2,4,6-Trichlorophenol	13.276	196	110509	44.097	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064573.D
 Acq On : 24 Oct 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/27/2025
 Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	126360	43.694	ng	100
46) 1,1'-Biphenyl	13.681	154	388718	41.885	ng	100
47) 2-Chloronaphthalene	13.728	162	295501	42.182	ng	100
48) 2-Nitroaniline	13.910	65	90958	39.303	ng	100
49) Acenaphthylene	14.568	152	466393	42.209	ng	100
50) Dimethylphthalate	14.286	163	428475	42.894	ng	100
51) 2,6-Dinitrotoluene	14.398	165	64452	39.696	ng	100
52) Acenaphthene	14.909	154	319250	42.289	ng	100
53) 3-Nitroaniline	14.727	138	76841	44.762	ng	100
54) 2,4-Dinitrophenol	14.927	184	35677	38.390	ng	100
55) Dibenzofuran	15.238	168	512547	41.995	ng	100
56) 4-Nitrophenol	15.009	139	68064	42.765	ng	100
57) 2,4-Dinitrotoluene	15.179	165	100448	39.962	ng	100
58) Fluorene	15.884	166	399745	41.939	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.456	232	121762	44.030	ng	100
60) Diethylphthalate	15.649	149	432571	42.412	ng	100
61) 4-Chlorophenyl-phenyle...	15.879	204	226104	42.270	ng	100
62) 4-Nitroaniline	15.884	138	85297	44.662	ng	100
63) Azobenzene	16.166	77	401676	42.922	ng	100
65) 4,6-Dinitro-2-methylph...	15.943	198	51829	38.770	ng	100
66) n-Nitrosodiphenylamine	16.084	169	365624	43.201	ng	100
67) 4-Bromophenyl-phenylether	16.766	248	161744	43.563	ng	100
68) Hexachlorobenzene	16.889	284	183262	43.265	ng	100
69) Atrazine	17.024	200	153706	42.203	ng	100
70) Pentachlorophenol	17.224	266	112769	42.694	ng	100
71) Phenanthrene	17.624	178	728184	42.500	ng	100
72) Anthracene	17.712	178	743567	42.663	ng	100
73) Carbazole	17.970	167	646319	42.053	ng	100
74) Di-n-butylphthalate	18.534	149	776847	43.711	ng	100
75) Fluoranthene	19.615	202	902557	42.050	ng	100
77) Benzidine	19.780	184	325845	43.697	ng	100
78) Pyrene	19.974	202	939110	43.186	ng	100
80) Butylbenzylphthalate	20.855	149	299706	45.601	ng	100
81) Benzo(a)anthracene	21.836	228	942839	42.723	ng	100
82) 3,3'-Dichlorobenzidine	21.742	252	317851	43.131	ng	100
83) Chrysene	21.907	228	894813	42.613	ng	100
84) Bis(2-ethylhexyl)phtha...	21.748	149	446785	45.494	ng	100
85) Di-n-octyl phthalate	23.011	149	723360	43.688	ng	100
87) Indeno(1,2,3-cd)pyrene	29.040	276	1100259	42.624	ng	100
88) Benzo(b)fluoranthene	24.139	252	927550	43.108	ng	100
89) Benzo(k)fluoranthene	24.210	252	901706	41.878	ng	100
90) Benzo(a)pyrene	25.044	252	843258	42.635	ng	100
91) Dibenzo(a,h)anthracene	29.110	278	889808	42.430	ng	100
92) Benzo(g,h,i)perylene	29.040	276	1100259	42.624	ng	100

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

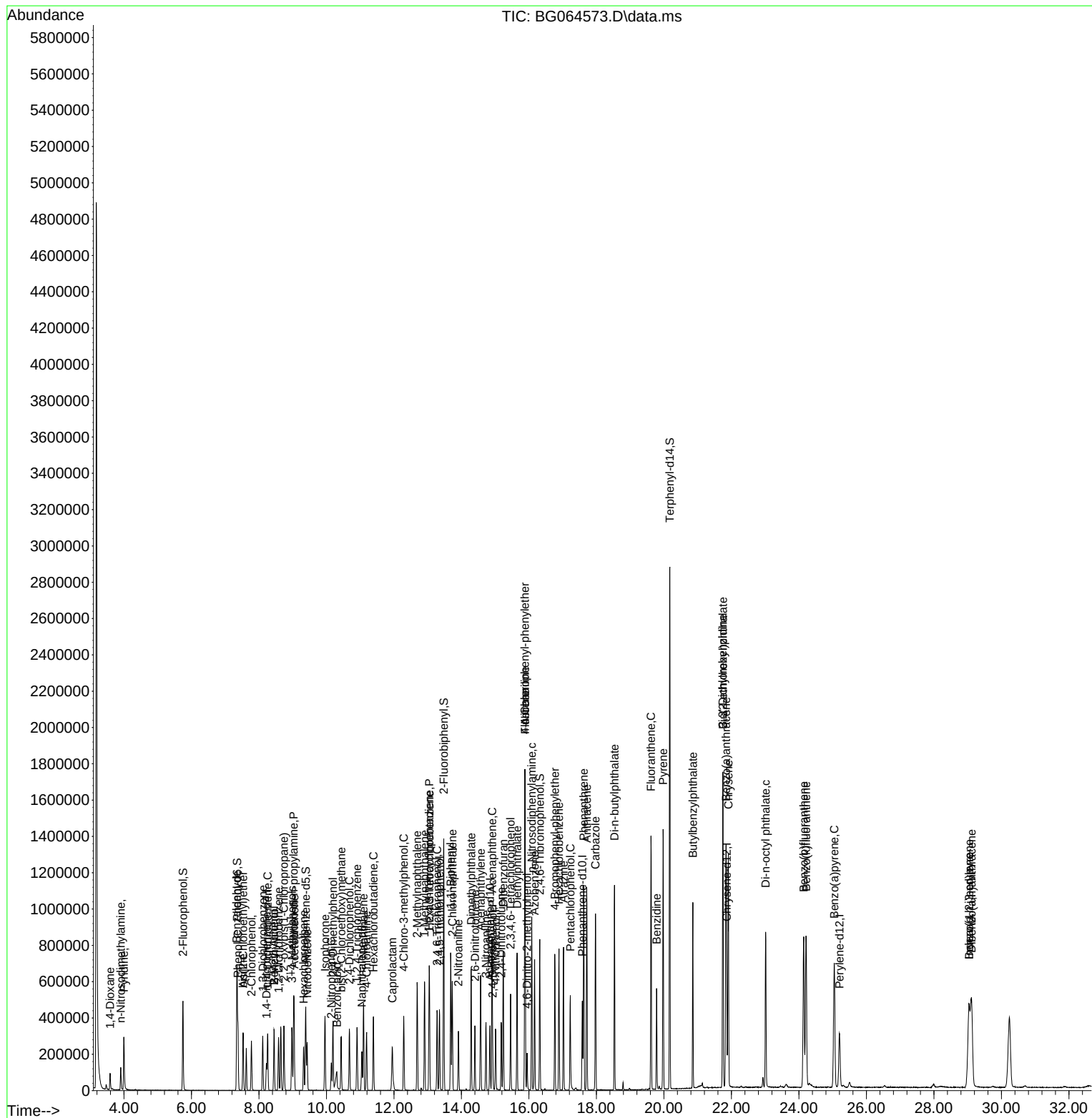
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Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTIDICC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

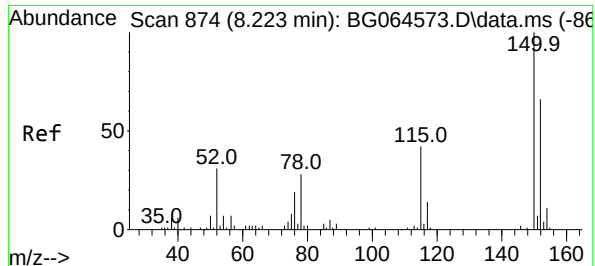
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

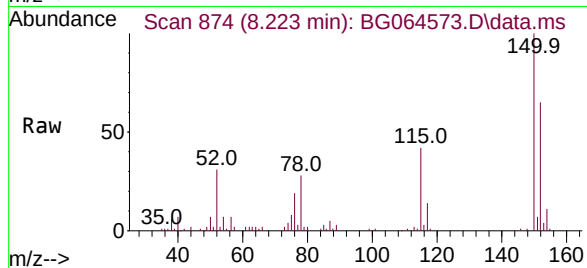
Quant Time: Oct 24 17:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 874
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

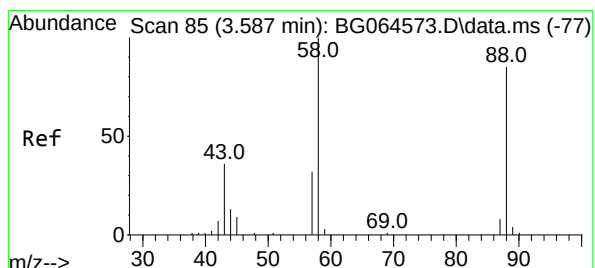
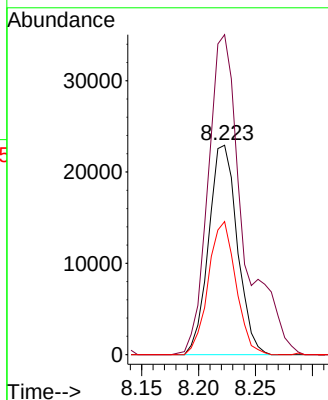
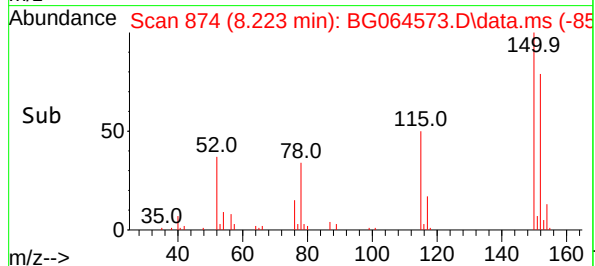
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion: 152 Resp: 40195
Ion Ratio Lower Upper
152 100
150 152.8 122.2 183.4
115 63.5 50.8 76.2

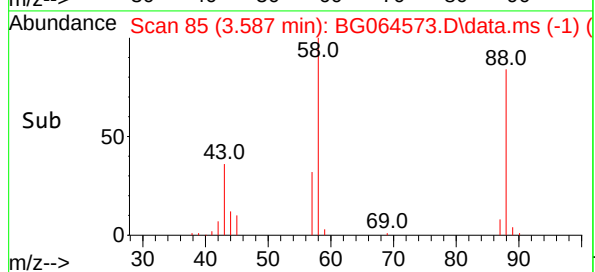
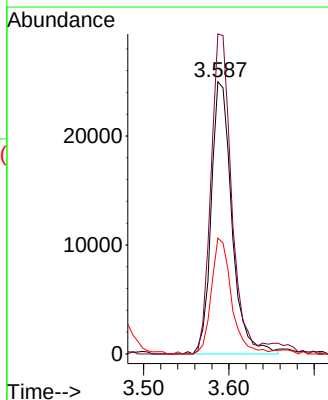
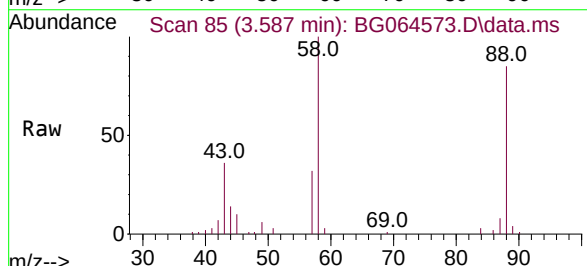
Manual Integrations
APPROVED

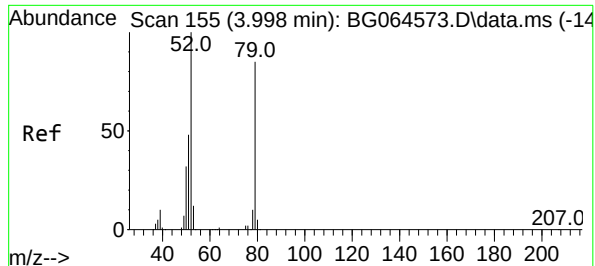
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#2
1,4-Dioxane
Concen: 39.818 ng
RT: 3.587 min Scan# 85
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

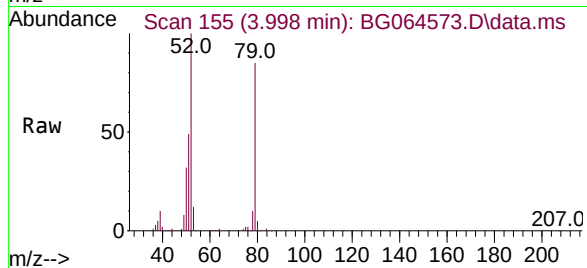
Tgt Ion: 88 Resp: 42215
Ion Ratio Lower Upper
88 100
58 115.5 92.4 138.6
43 41.3 33.0 49.6





#3
Pyridine
Concen: 42.136 ng
RT: 3.998 min Scan# 155
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

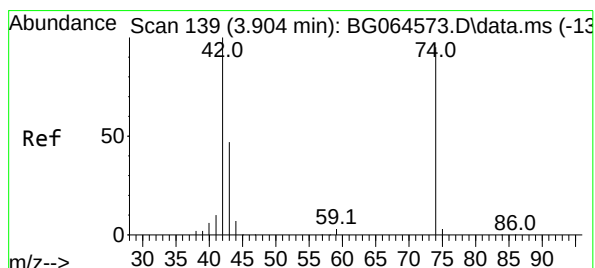
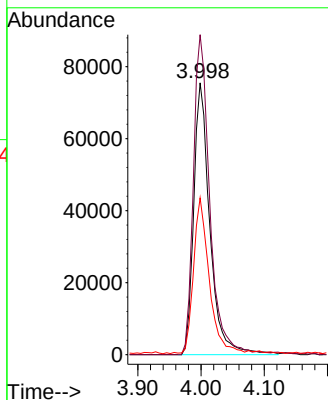
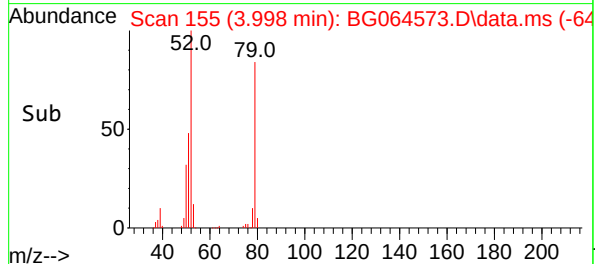
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion: 79 Resp: 134153
Ion Ratio Lower Upper
79 100
52 117.7 94.2 141.2
51 57.6 46.1 69.1

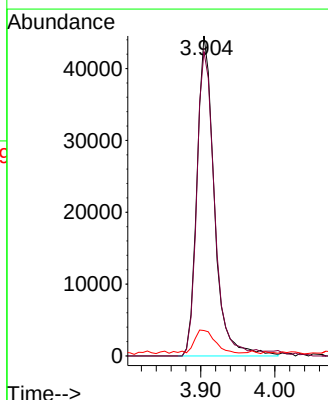
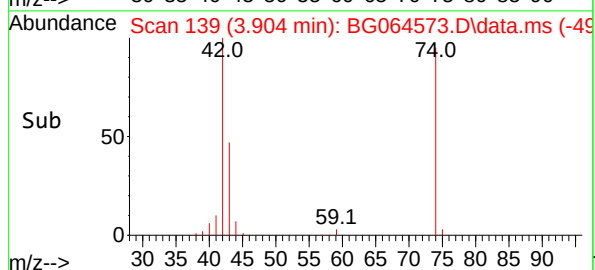
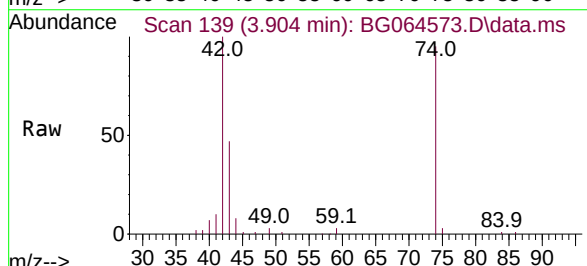
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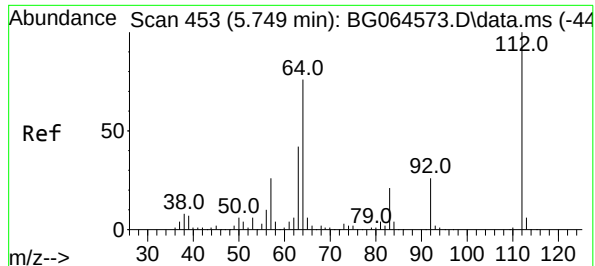
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#4
n-Nitrosodimethylamine
Concen: 42.385 ng
RT: 3.904 min Scan# 139
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 42 Resp: 72367
Ion Ratio Lower Upper
42 100
74 95.1 76.1 114.1
44 7.9 6.3 9.5





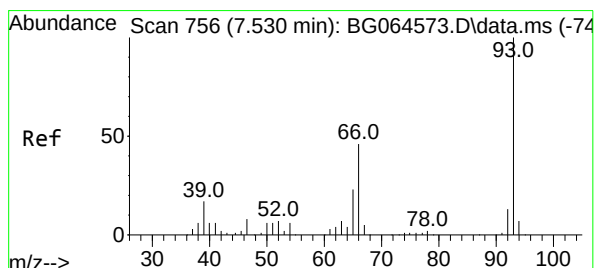
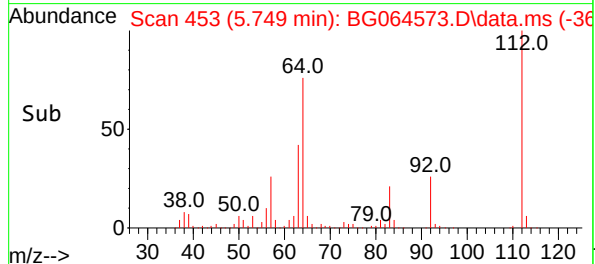
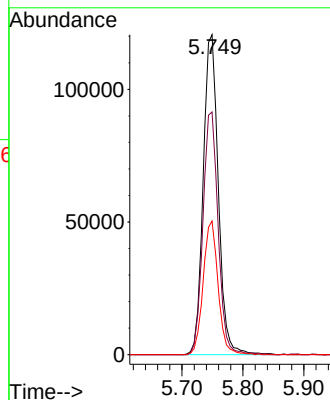
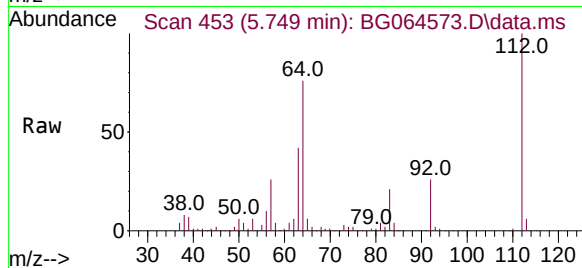
#5
2-Fluorophenol
Concen: 86.778 ng
RT: 5.749 min Scan# 453
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 20780
Ion Ratio Lower Upper
112 100
64 75.9 60.7 91.1
63 41.7 33.4 50.0

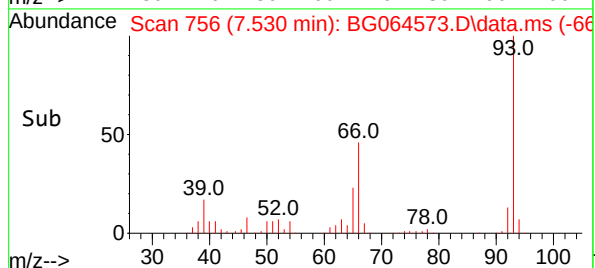
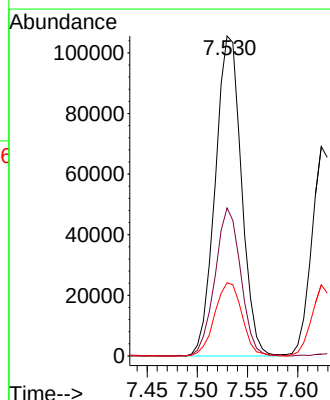
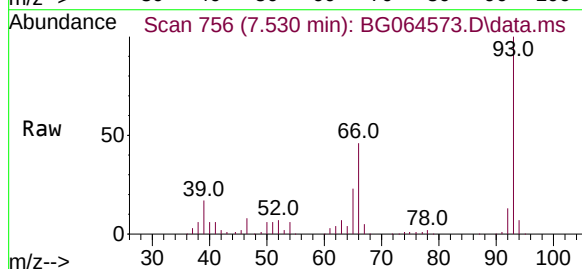
Manual Integrations
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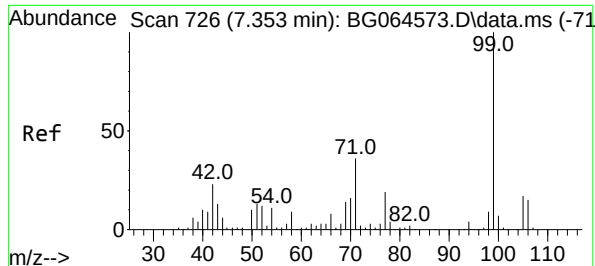
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 42.894 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 191799
Ion Ratio Lower Upper
93 100
66 46.3 37.0 55.6
65 22.9 18.3 27.5





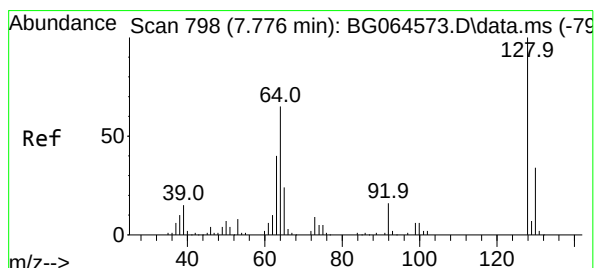
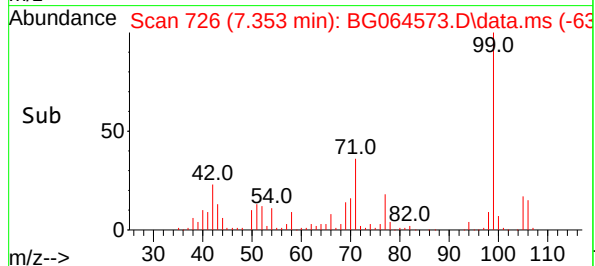
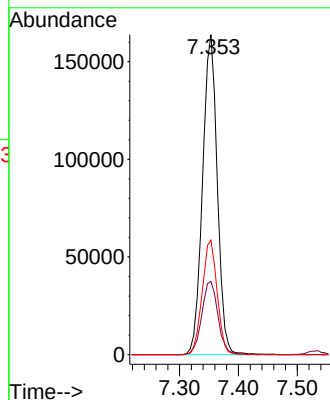
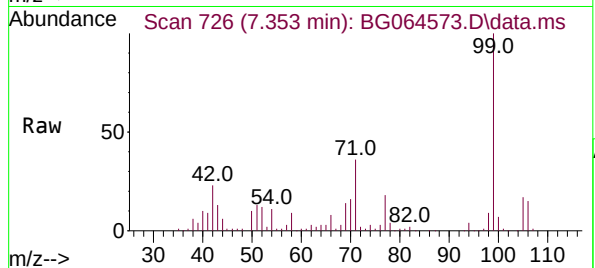
#7
Phenol-d6
Concen: 86.638 ng
RT: 7.353 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 284694
Ion Ratio Lower Upper
99 100
42 22.9 18.3 27.5
71 35.8 28.6 43.0

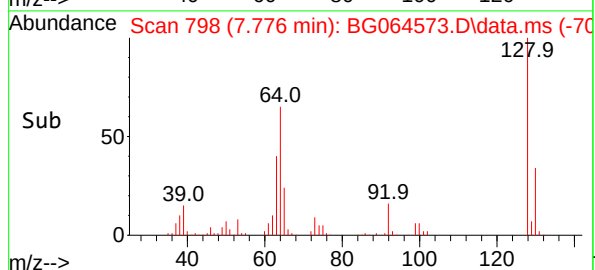
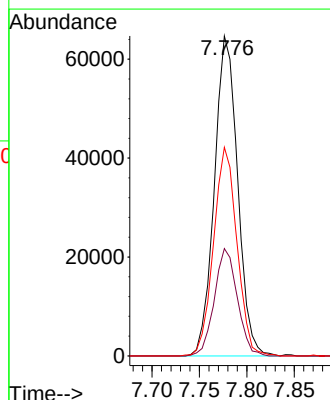
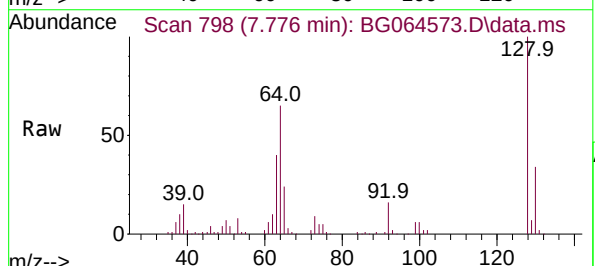
Manual Integrations
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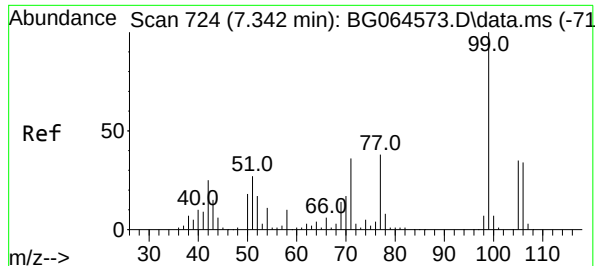
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#8
2-Chlorophenol
Concen: 44.051 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

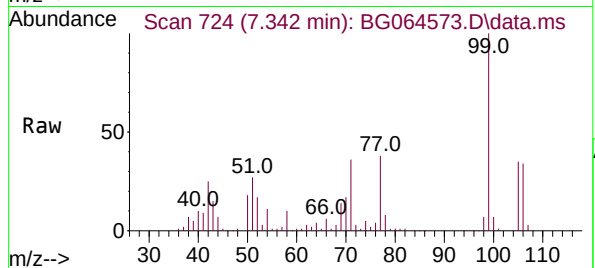
Tgt Ion:128 Resp: 110414
Ion Ratio Lower Upper
128 100
130 33.5 13.5 53.5
64 65.2 45.2 85.2





#9
Benzaldehyde
Concen: 42.117 ng
RT: 7.342 min Scan# 71
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

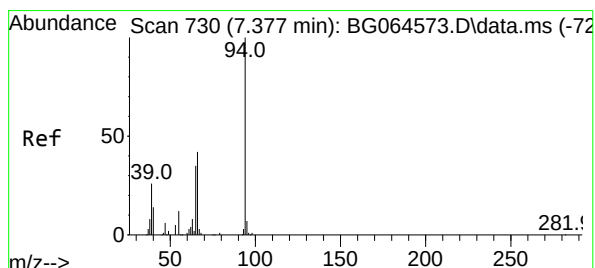
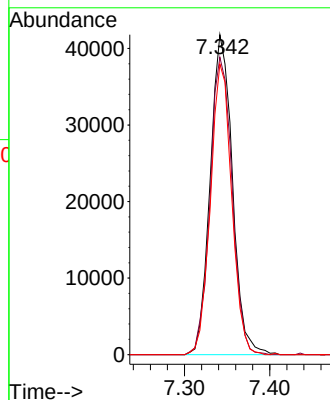
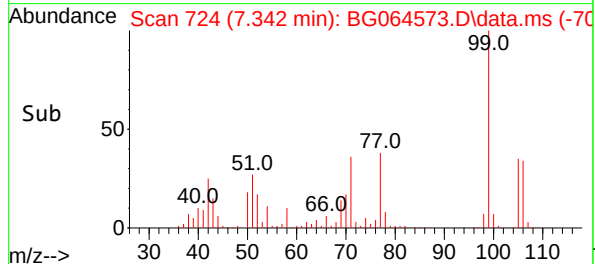
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 7555
Ion Ratio Lower Upper
77 100
105 92.9 72.9 112.9
106 90.8 70.8 110.8

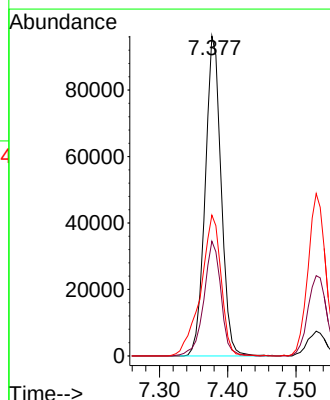
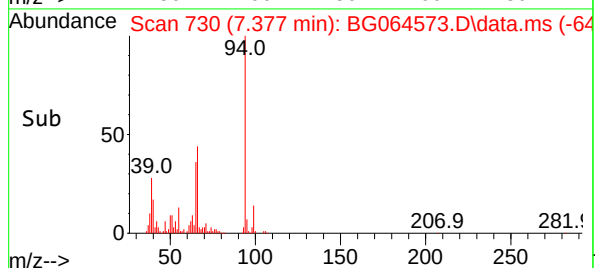
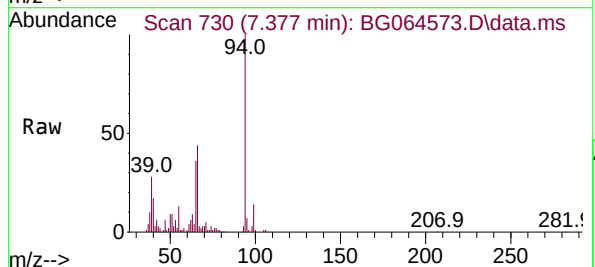
Manual Integrations
APPROVED

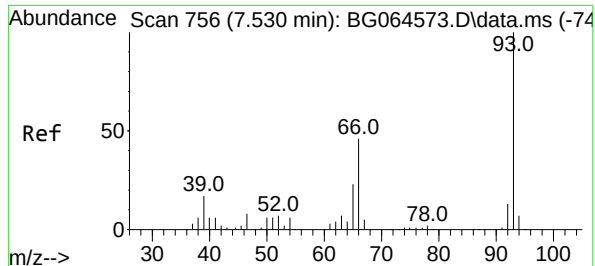
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#10
Phenol
Concen: 42.998 ng
RT: 7.377 min Scan# 730
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 94 Resp: 156259
Ion Ratio Lower Upper
94 100
65 35.8 15.8 55.8
66 44.0 24.0 64.0





#11

bis(2-Chloroethyl)ether

Concen: 42.894 ng

RT: 7.530 min Scan# 756

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion: 93 Resp: 191799

Ion Ratio Lower Upper

93 100

63 7.4 0.0 27.4

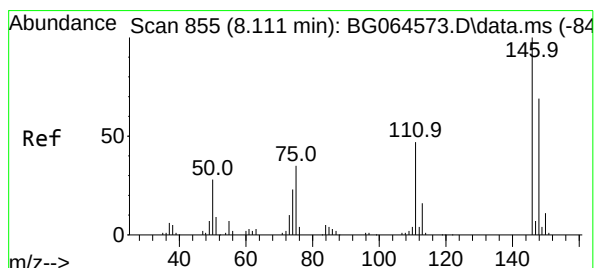
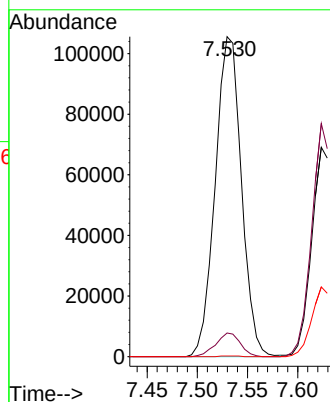
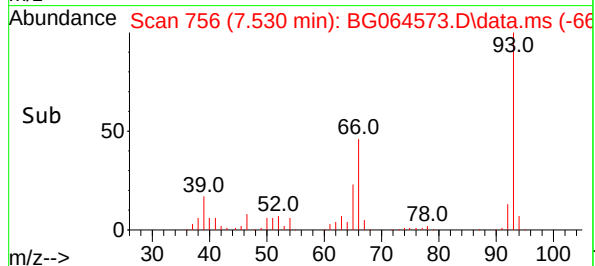
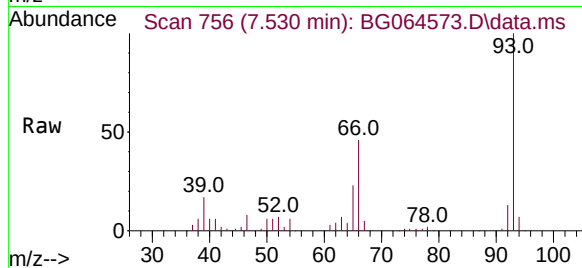
95 0.2 0.0 20.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#12

1,3-Dichlorobenzene

Concen: 42.367 ng

RT: 8.111 min Scan# 855

Delta R.T. 0.002 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

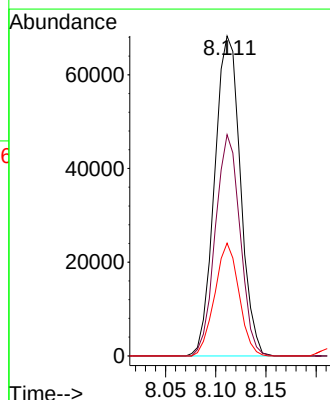
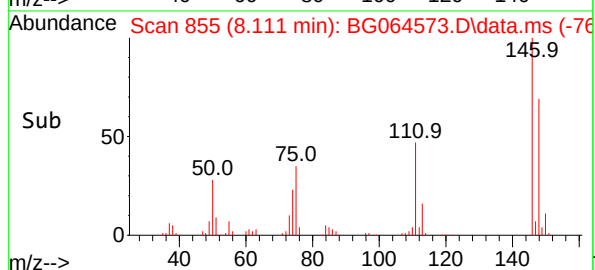
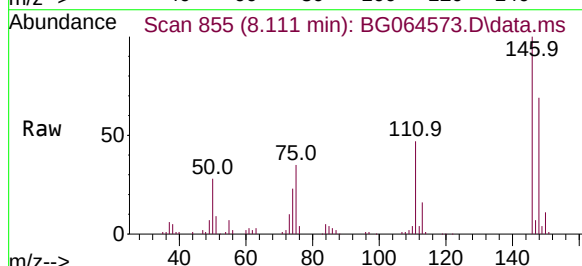
Tgt Ion:146 Resp: 122224

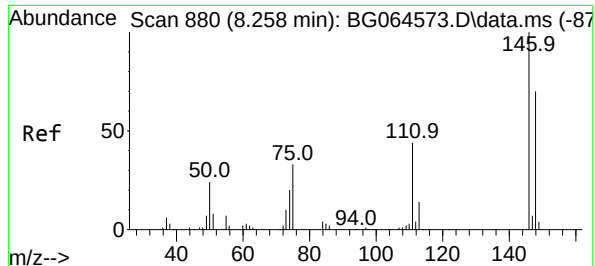
Ion Ratio Lower Upper

146 100

148 69.1 55.3 82.9

75 35.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 42.038 ng

RT: 8.258 min Scan# 880

Delta R.T. 0.002 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 123314

Ion Ratio Lower Upper

146 100

148 70.3 56.2 84.4

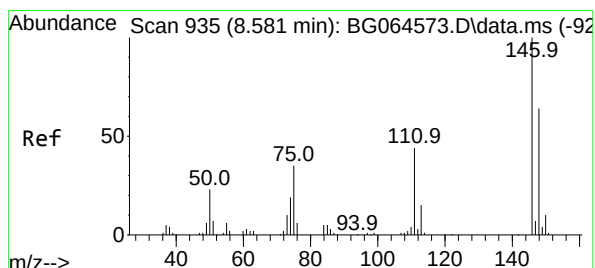
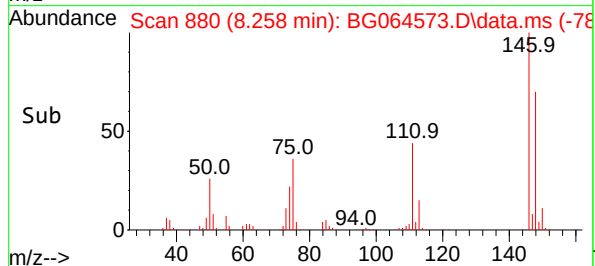
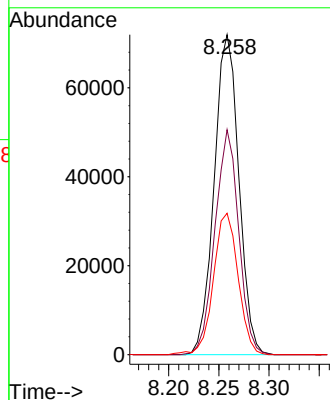
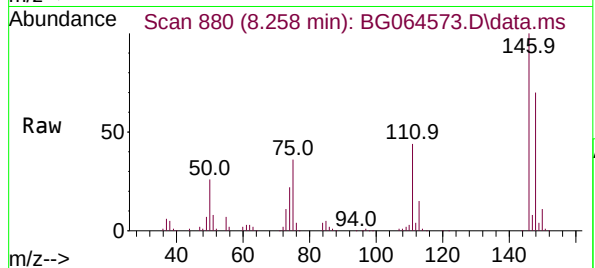
111 44.2 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 42.140 ng

RT: 8.581 min Scan# 935

Delta R.T. 0.002 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

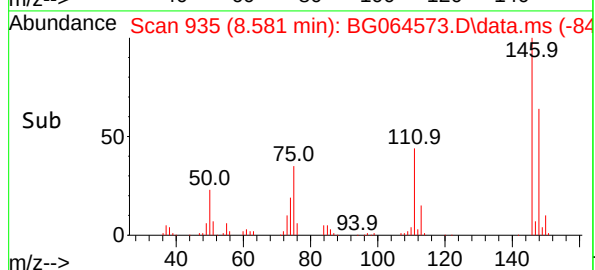
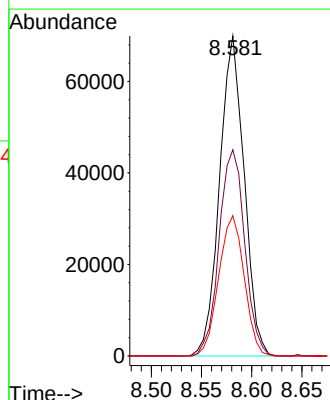
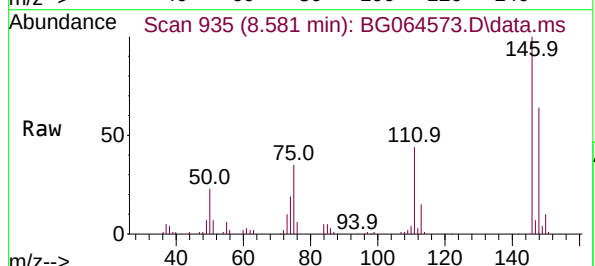
Tgt Ion:146 Resp: 119228

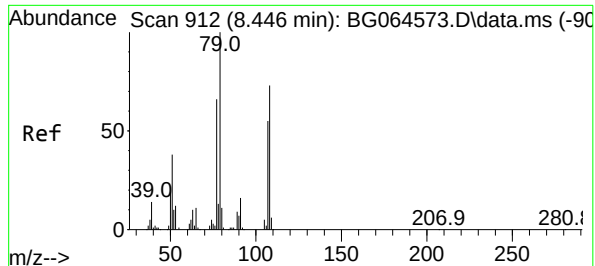
Ion Ratio Lower Upper

146 100

148 64.4 51.5 77.3

111 43.8 35.0 52.6





#15

Benzyl Alcohol

Concen: 42.265 ng

RT: 8.446 min Scan# 912

Delta R.T. -0.009 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 114526

Ion Ratio Lower Upper

79 100

108 72.6 58.1 87.1

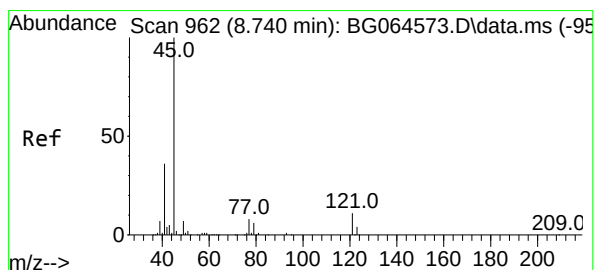
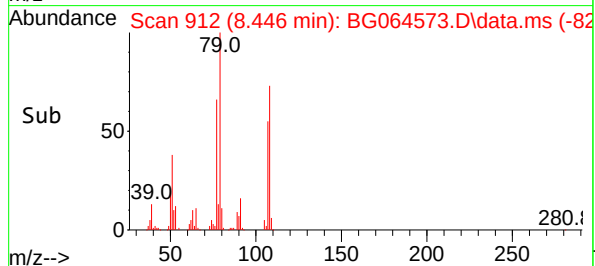
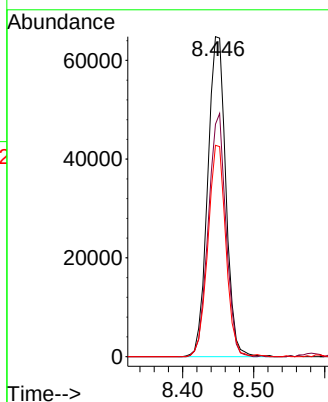
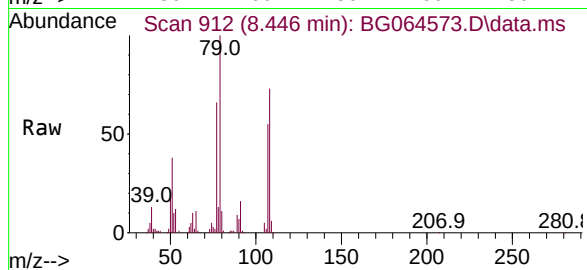
77 66.0 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.819 ng

RT: 8.740 min Scan# 962

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

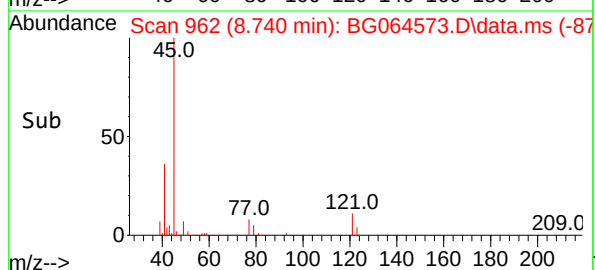
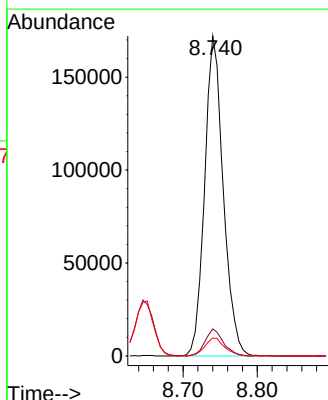
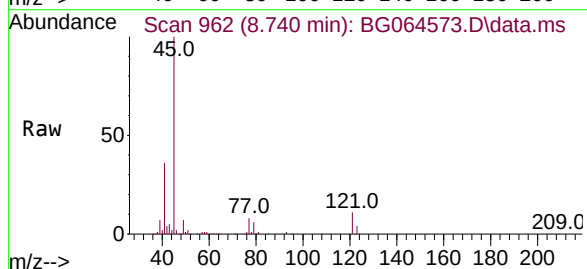
Tgt Ion: 45 Resp: 300095

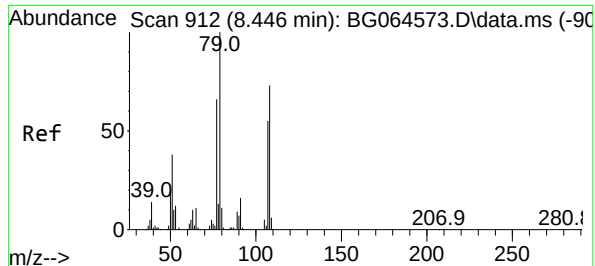
Ion Ratio Lower Upper

45 100

77 8.5 0.0 28.5

79 5.6 0.0 25.6





#17

2-Methylphenol

Concen: 44.231 ng

RT: 8.446 min Scan# 912

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:107 Resp: 59910

Ion Ratio Lower Upper

107 100

108 133.0 106.4 159.6

77 120.9 96.7 145.1

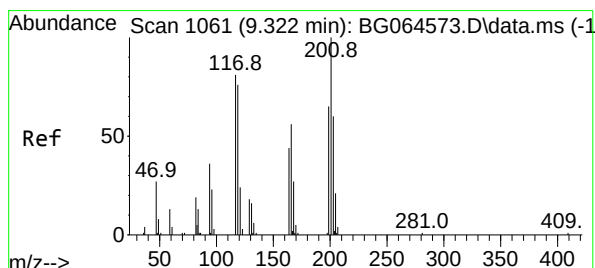
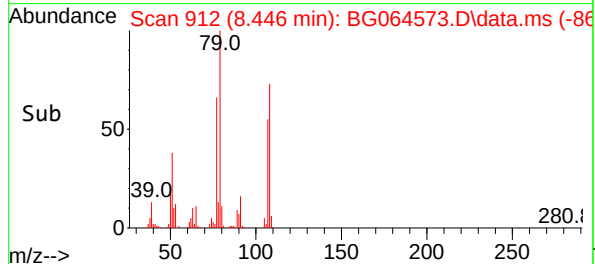
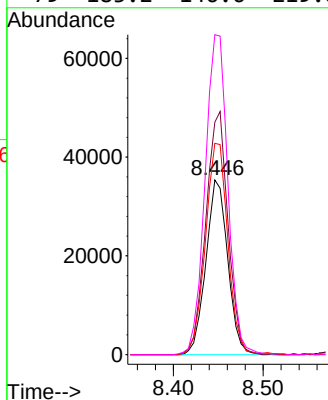
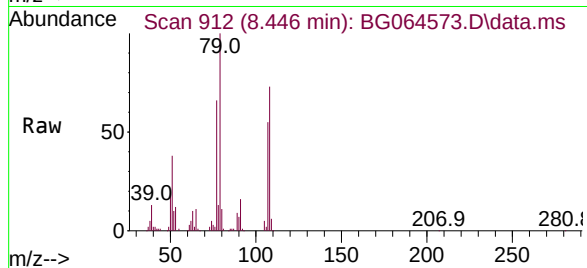
79 183.2 146.6 219.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 42.246 ng

RT: 9.322 min Scan# 1061

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

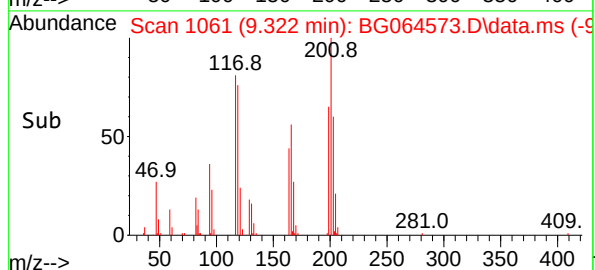
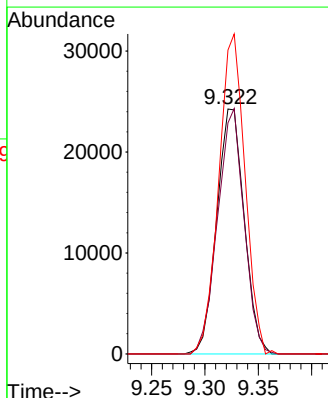
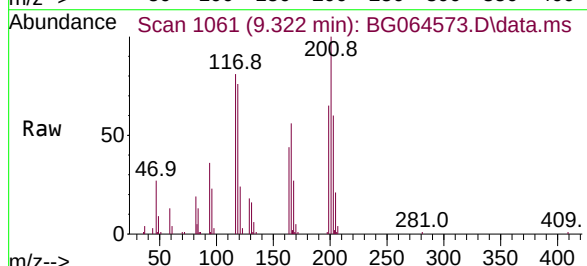
Tgt Ion:117 Resp: 43488

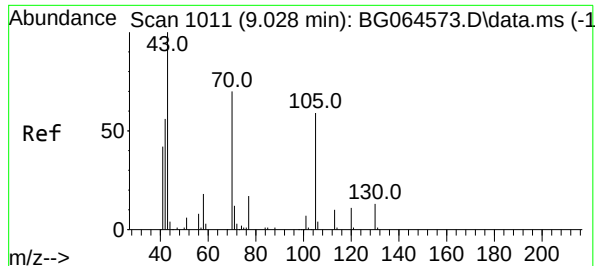
Ion Ratio Lower Upper

117 100

119 94.3 75.4 113.2

201 124.0 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 43.438 ng

RT: 9.028 min Scan# 1011

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 9864

Ion Ratio Lower Upper

70 100

42 81.5 65.2 97.8

101 9.9 7.9 11.9

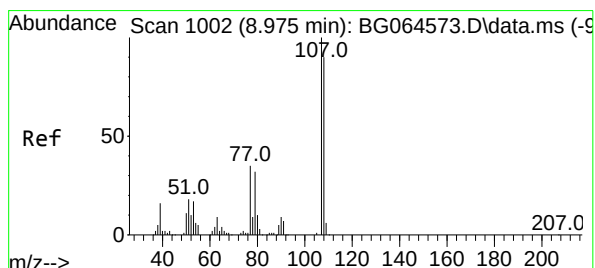
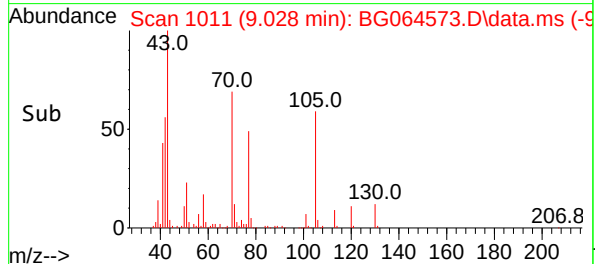
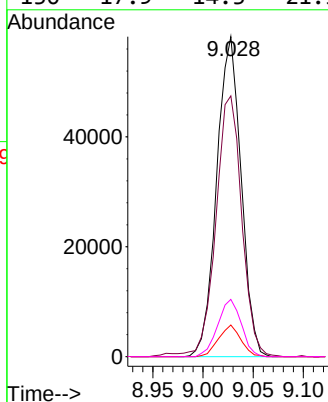
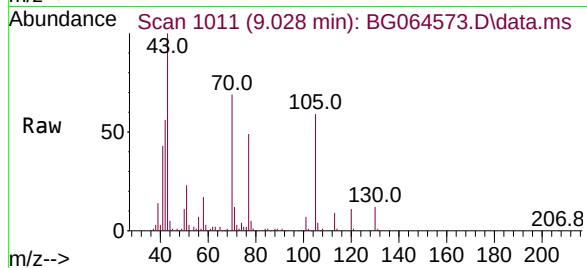
130 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 43.080 ng

RT: 8.975 min Scan# 1002

Delta R.T. -0.009 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 146177

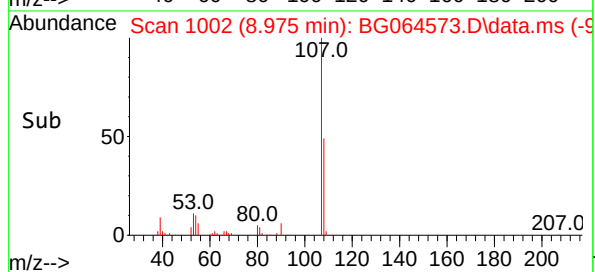
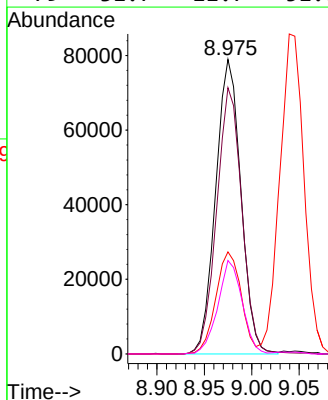
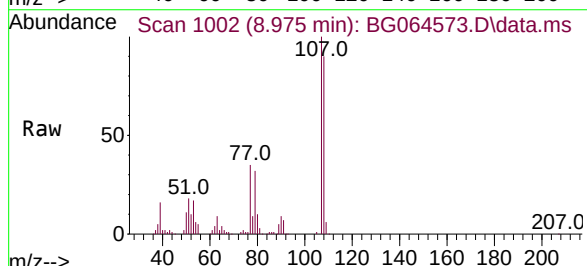
Ion Ratio Lower Upper

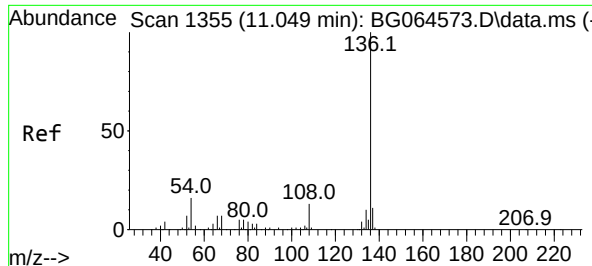
107 100

108 90.3 70.3 110.3

77 34.6 14.6 54.6

79 31.7 11.7 51.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.049 min Scan# 1355

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 164795

Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 15.8 12.6 19.0

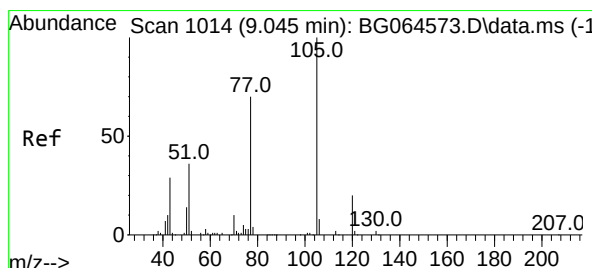
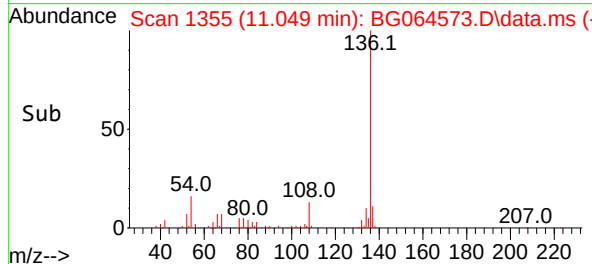
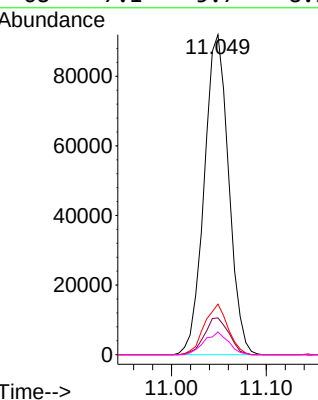
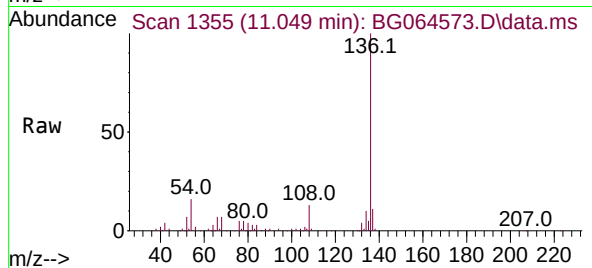
68 7.1 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#22

Acetophenone

Concen: 42.750 ng

RT: 9.045 min Scan# 1014

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Tgt Ion:105 Resp: 192583

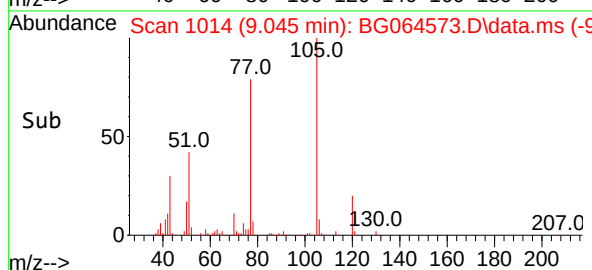
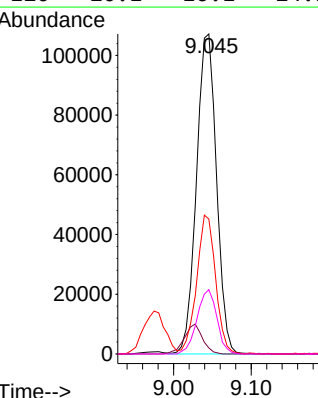
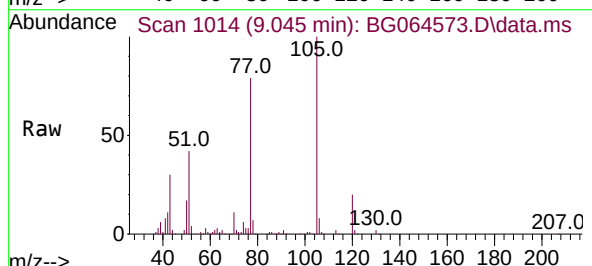
Ion Ratio Lower Upper

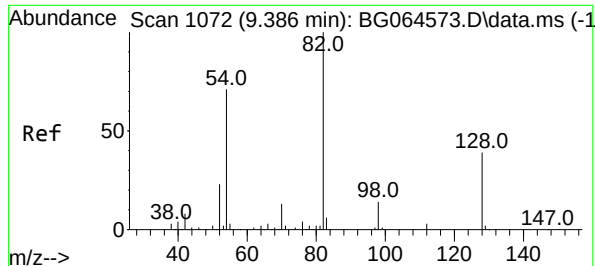
105 100

71 1.9 1.5 2.3

51 42.1 33.7 50.5

120 20.1 16.1 24.1





#23

Nitrobenzene-d5

Concen: 90.513 ng

RT: 9.386 min Scan# 1072

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 24834

Ion Ratio Lower Upper

82 100

128 39.1 31.3 46.9

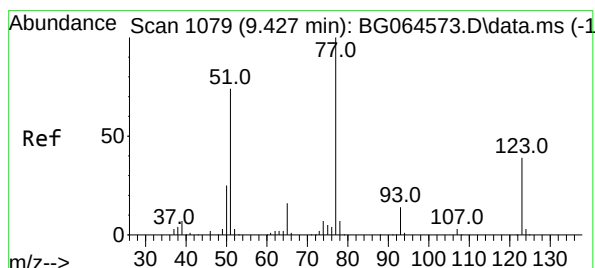
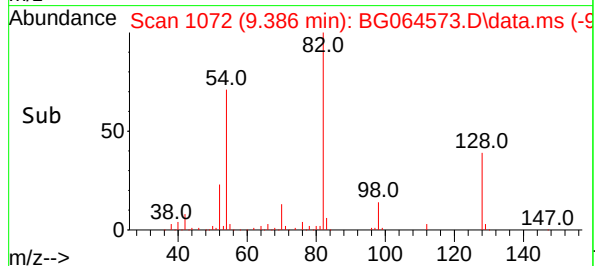
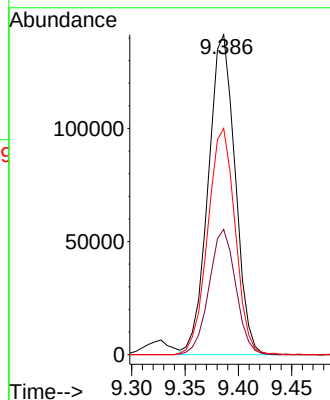
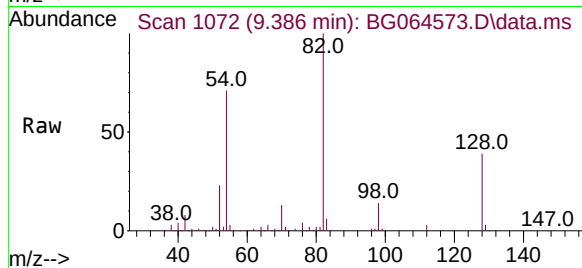
54 70.7 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 45.274 ng

RT: 9.427 min Scan# 1079

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

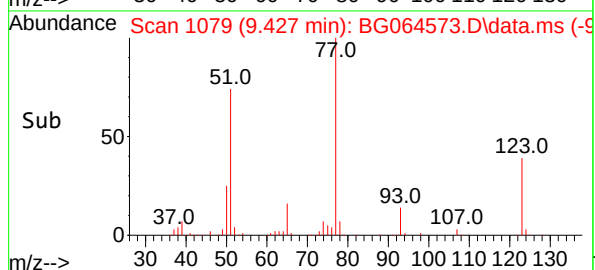
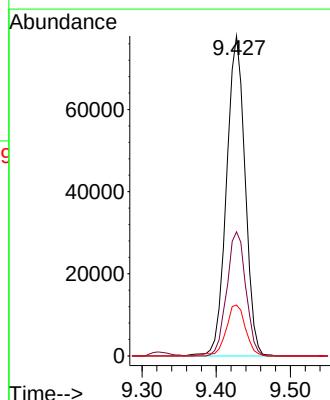
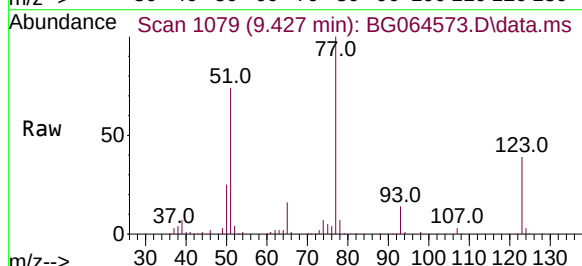
Tgt Ion: 77 Resp: 135107

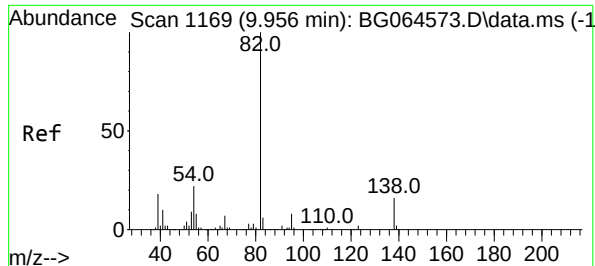
Ion Ratio Lower Upper

77 100

123 38.8 31.0 46.6

65 15.9 12.7 19.1





#25

Isophorone

Concen: 43.507 ng

RT: 9.956 min Scan# 1169

Delta R.T. -0.010 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

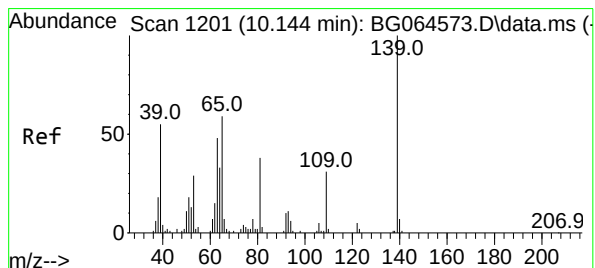
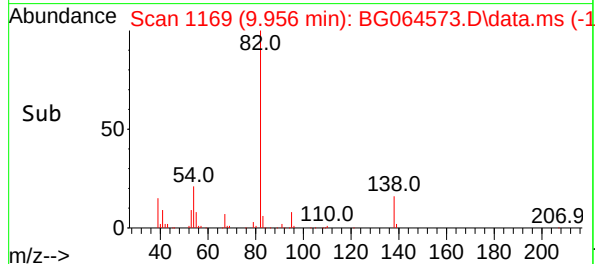
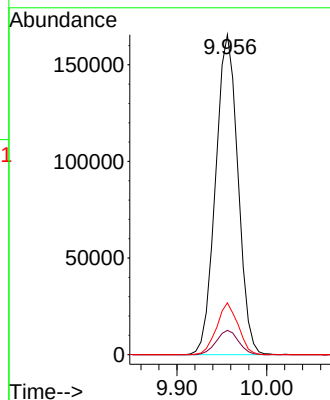
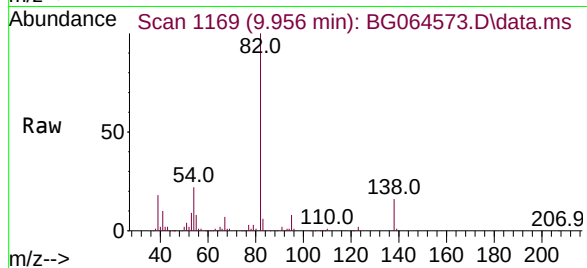
Tgt Ion:	82	Resp:	286439
Ion Ratio	Lower	Upper	
82	100		
95	7.6	6.1	9.1
138	16.2	13.0	19.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#26

2-Nitrophenol

Concen: 39.772 ng

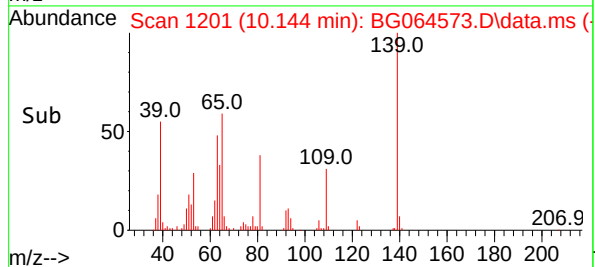
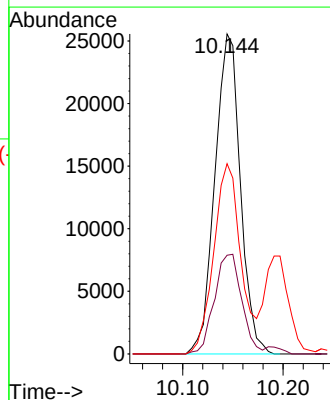
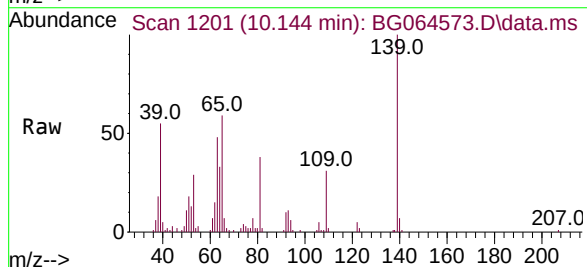
RT: 10.144 min Scan# 1201

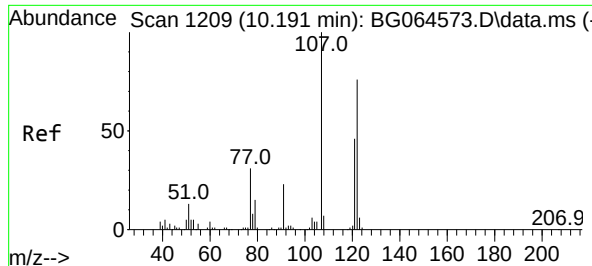
Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Tgt Ion:	139	Resp:	45134
Ion Ratio	Lower	Upper	
139	100		
109	30.8	24.6	37.0
65	59.4	47.5	71.3





#27

2,4-Dimethylphenol

Concen: 44.243 ng

RT: 10.191 min Scan# 1209

Delta R.T. -0.004 min

Lab File: BG064573.D

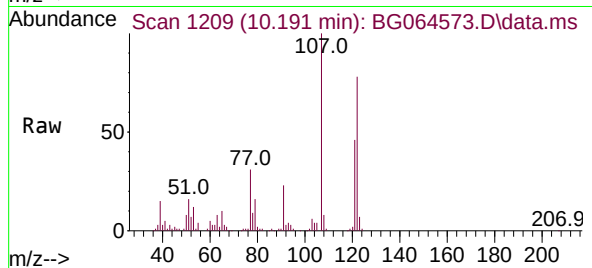
Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040



Tgt Ion:122 Resp: 110518

Ion Ratio Lower Upper

122 100

107 128.7 103.0 154.4

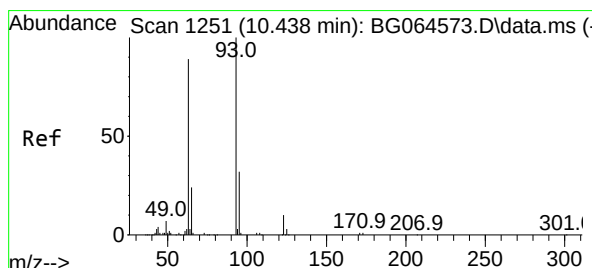
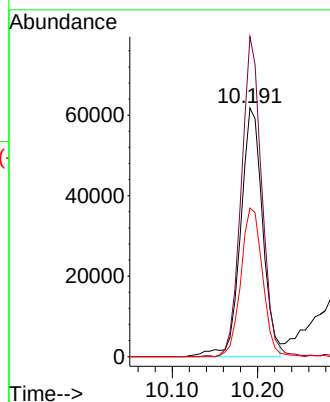
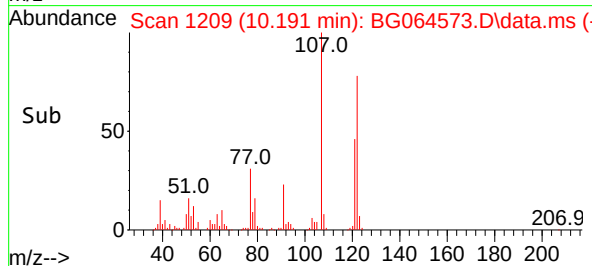
121 59.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#28

bis(2-Chloroethoxy)methane

Concen: 43.070 ng

RT: 10.438 min Scan# 1251

Delta R.T. 0.002 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

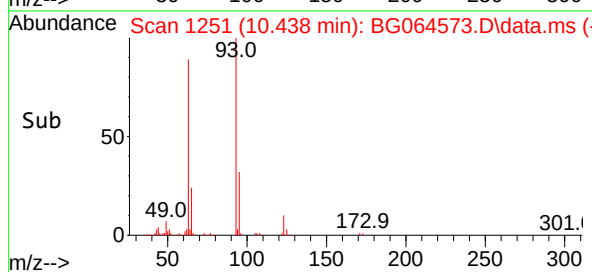
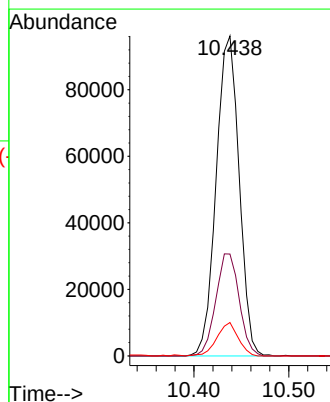
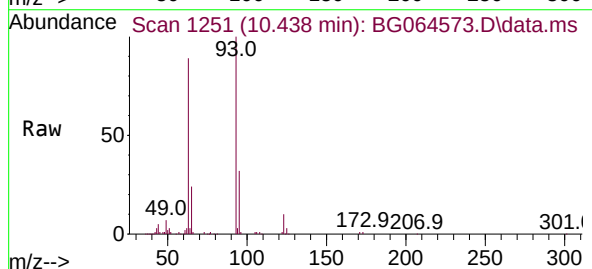
Tgt Ion: 93 Resp: 161449

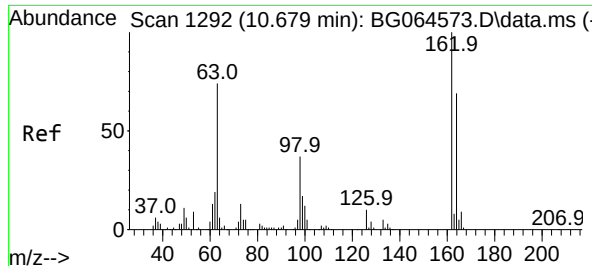
Ion Ratio Lower Upper

93 100

95 31.8 25.4 38.2

123 10.5 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 45.026 ng

RT: 10.679 min Scan# 1292

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 118669

Ion Ratio Lower Upper

162 100

164 68.7 48.7 88.7

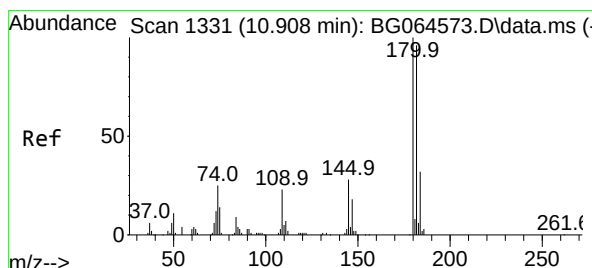
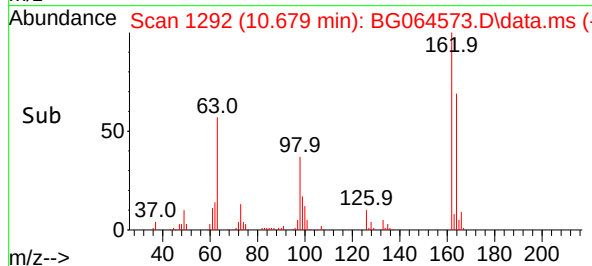
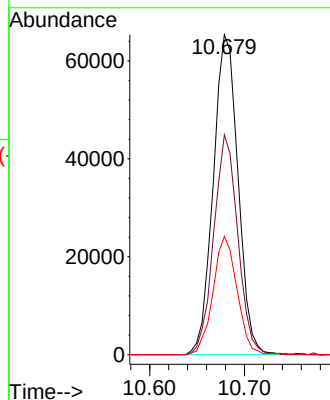
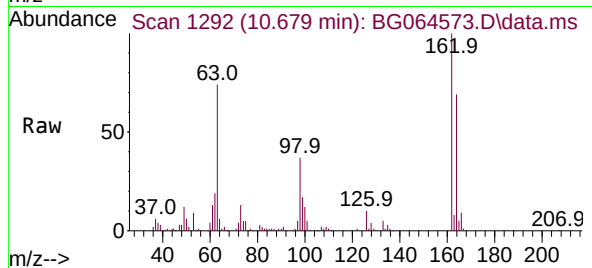
98 36.9 16.9 56.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 43.046 ng

RT: 10.908 min Scan# 1331

Delta R.T. 0.002 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

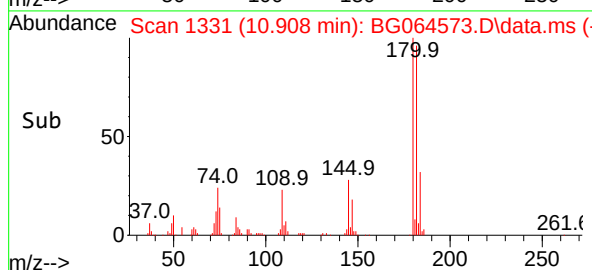
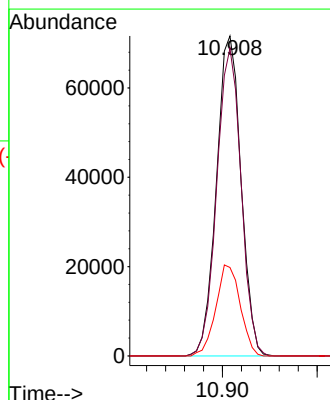
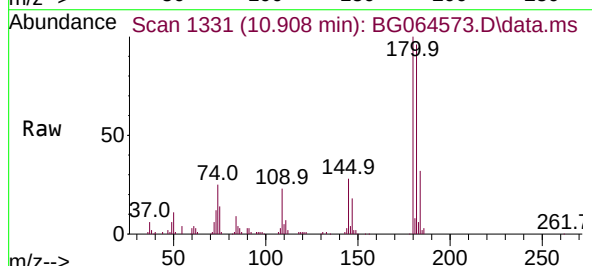
Tgt Ion:180 Resp: 128902

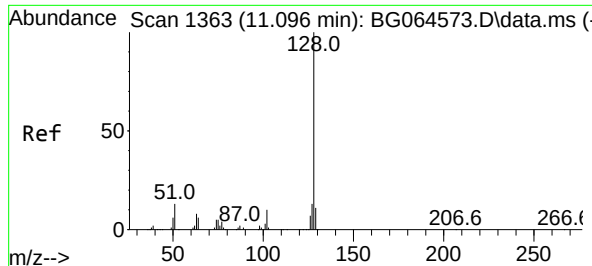
Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

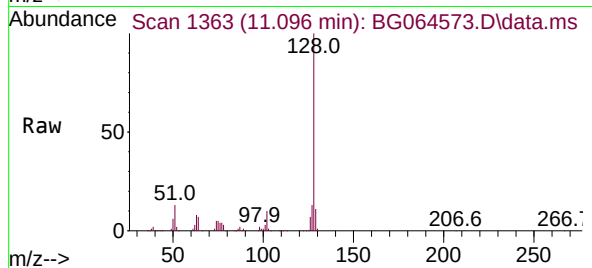
145 27.6 22.1 33.1





#31
Naphthalene
Concen: 42.469 ng
RT: 11.096 min Scan# 1363
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

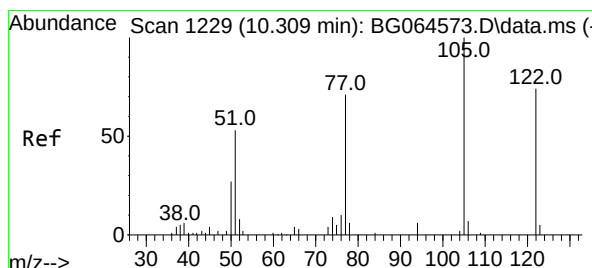
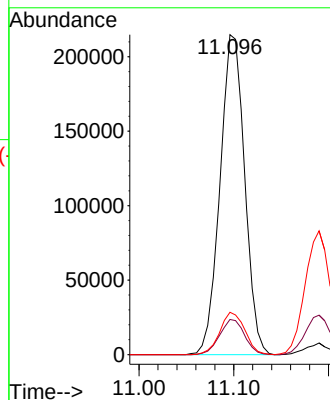
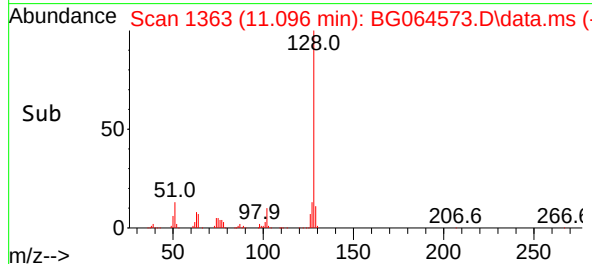
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:128 Resp: 388032
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.2 10.6 15.8

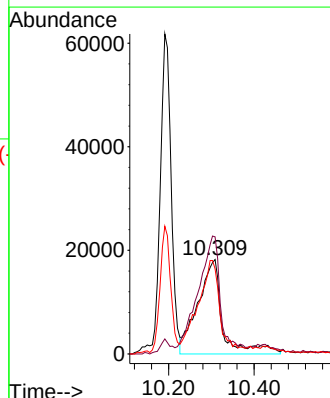
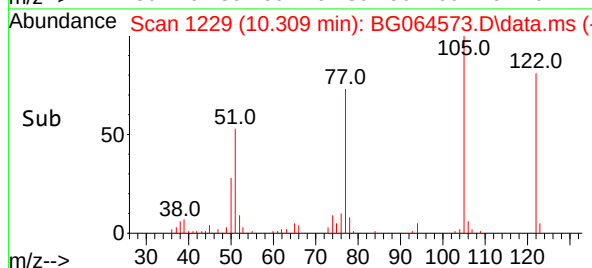
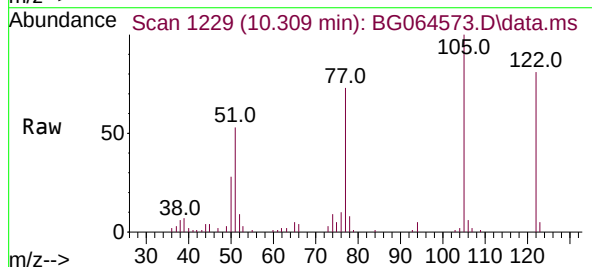
Manual Integrations
APPROVED

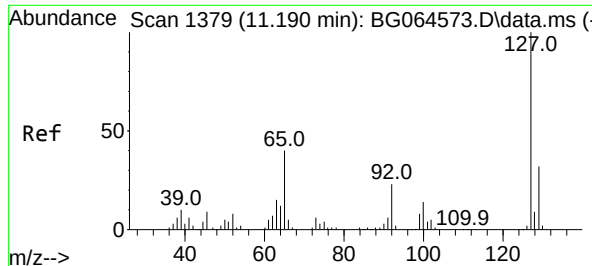
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 41.457 ng m
RT: 10.309 min Scan# 1229
Delta R.T. -0.033 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

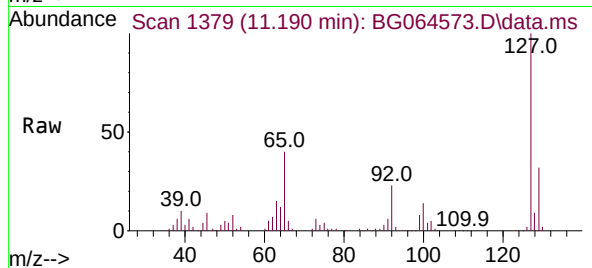
Tgt Ion:122 Resp: 72661
Ion Ratio Lower Upper
122 100
105 124.2 104.2 144.2
77 90.2 70.2 110.2





#33
4-Chloroaniline
Concen: 42.585 ng
RT: 11.190 min Scan# 1379
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

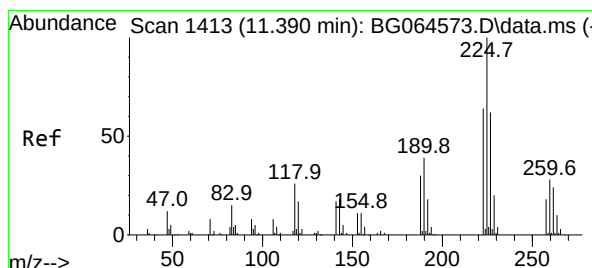
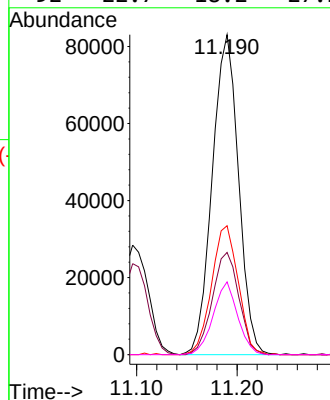
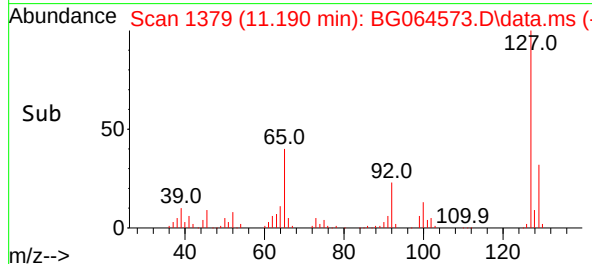
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



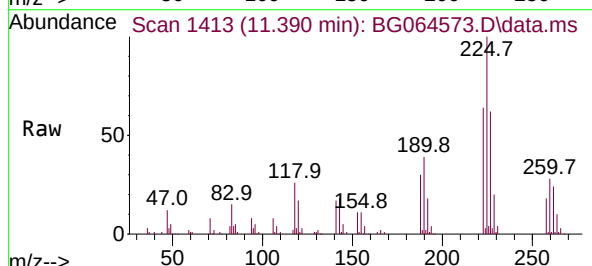
Tgt Ion:127 Resp: 15123
Ion Ratio Lower Upper
127 100
129 31.9 25.5 38.3
65 40.3 32.2 48.4
92 22.7 18.2 27.2

Manual Integrations
APPROVED

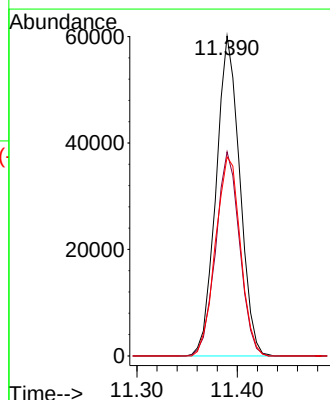
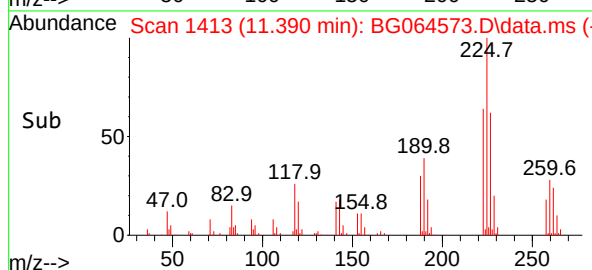
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

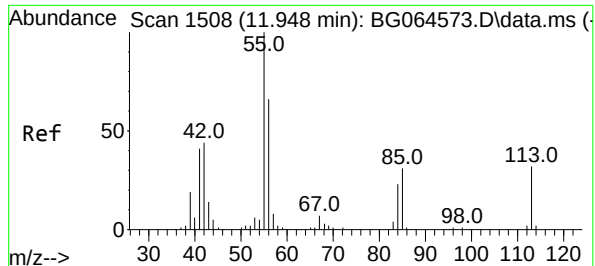


#34
Hexachlorobutadiene
Concen: 42.139 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03



Tgt Ion:225 Resp: 98683
Ion Ratio Lower Upper
225 100
223 61.0 48.8 73.2
227 61.9 49.5 74.3





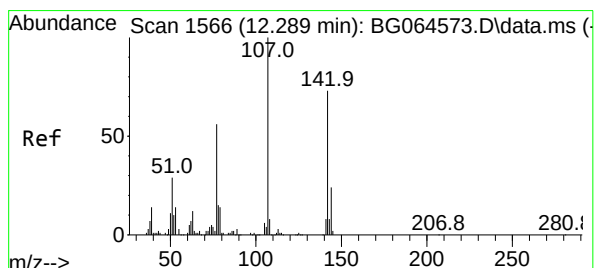
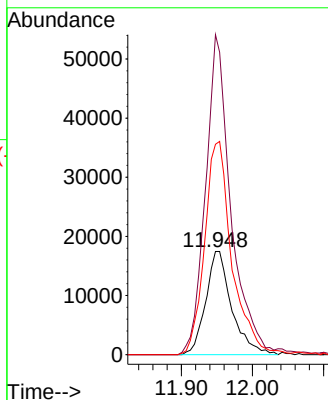
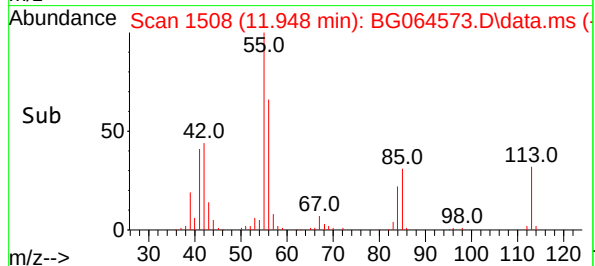
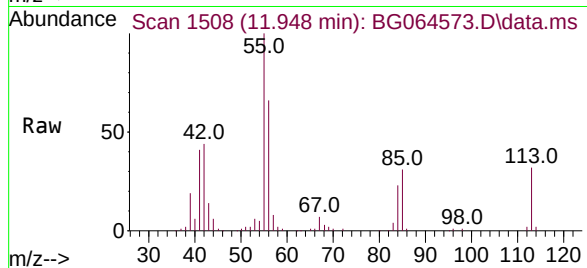
#35
Caprolactam
Concen: 43.731 ng
RT: 11.948 min Scan# 1508
Delta R.T. -0.027 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 44205
Ion Ratio Lower Upper
113 100
55 310.1 290.1 330.1
56 203.8 183.8 223.8

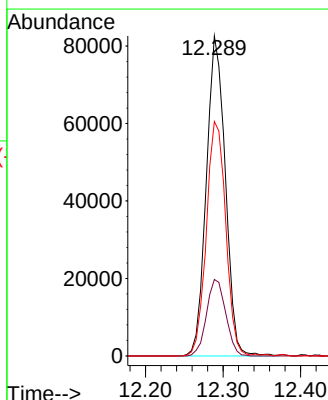
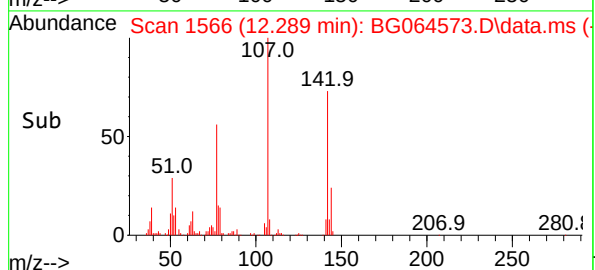
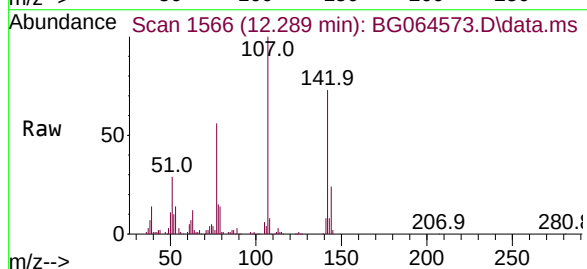
Manual Integrations
APPROVED

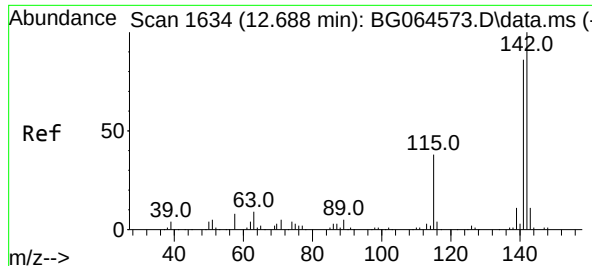
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#36
4-Chloro-3-methylphenol
Concen: 44.278 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 140272
Ion Ratio Lower Upper
107 100
144 23.9 19.1 28.7
142 73.2 58.6 87.8





#37

2-Methylnaphthalene

Concen: 42.499 ng

RT: 12.688 min Scan# 1634

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:142 Resp: 285089

Ion Ratio Lower Upper

142 100

141 86.1 68.9 103.3

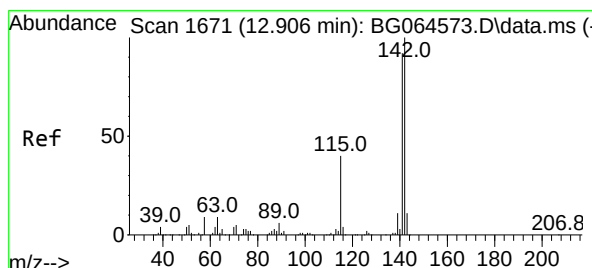
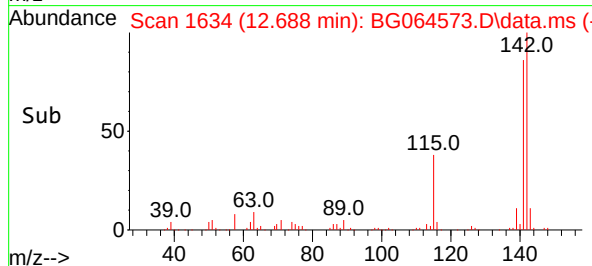
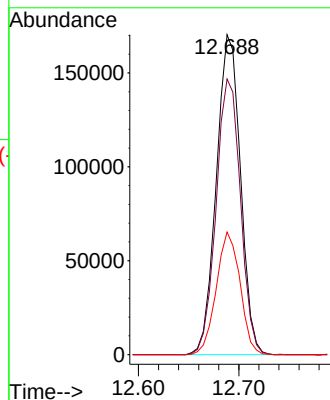
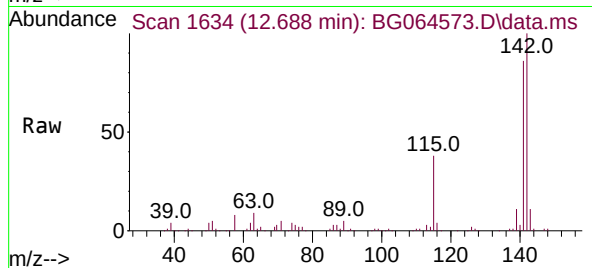
115 38.3 30.6 46.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#38

1-Methylnaphthalene

Concen: 42.611 ng

RT: 12.906 min Scan# 1671

Delta R.T. -0.003 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

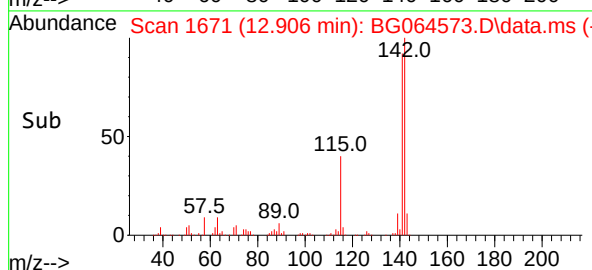
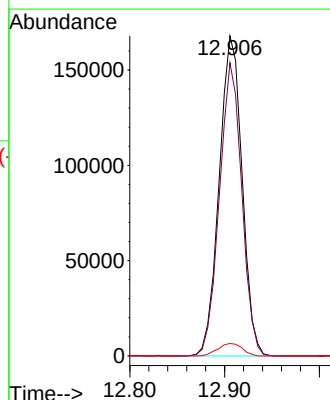
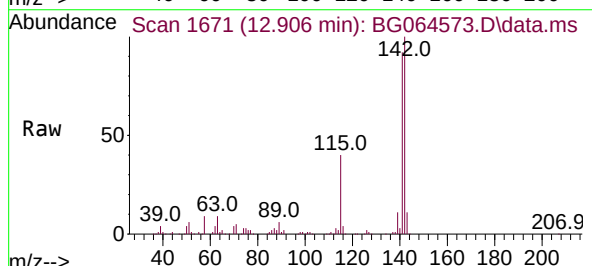
Tgt Ion:142 Resp: 281256

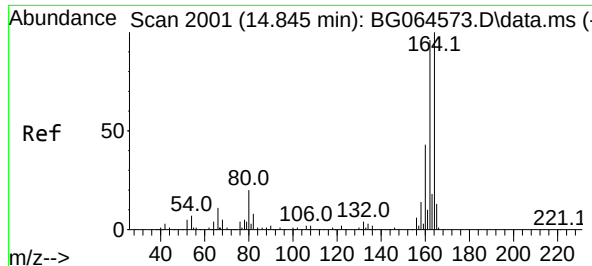
Ion Ratio Lower Upper

142 100

141 91.6 73.3 109.9

116 3.9 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.845 min Scan# 2001

Delta R.T. 0.002 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

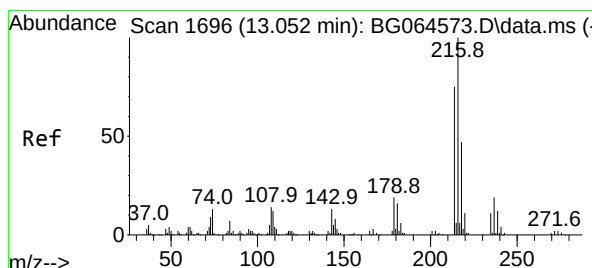
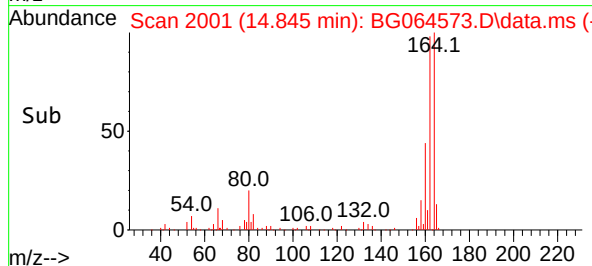
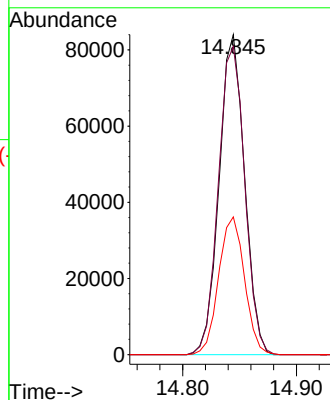
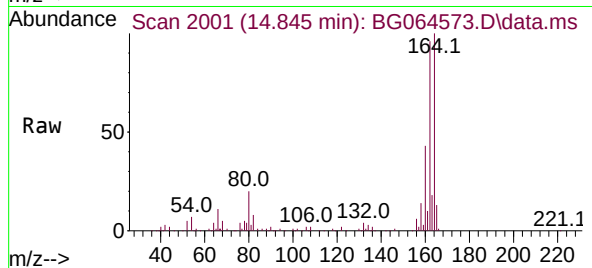
SSTDICCC040

Tgt Ion:	164	Resp:	130542
Ion Ratio	Lower	Upper	
164	100		
162	96.3	77.0	115.6
160	43.0	34.4	51.6

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.856 ng

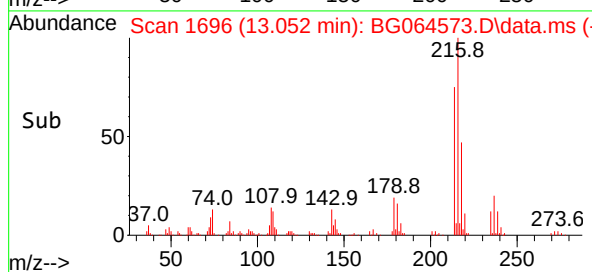
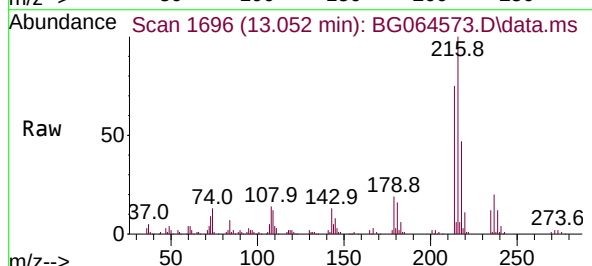
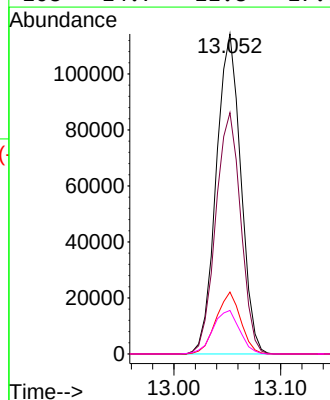
RT: 13.052 min Scan# 1696

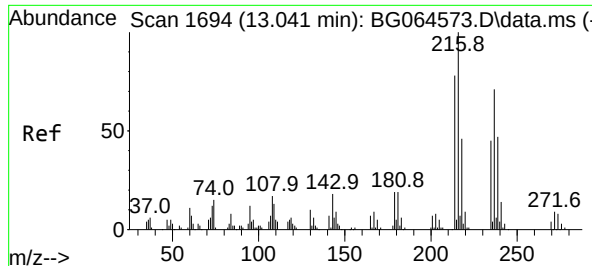
Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Tgt Ion:	216	Resp:	183376
Ion Ratio	Lower	Upper	
216	100		
214	76.8	61.4	92.2
179	19.2	15.4	23.0
108	14.7	11.8	17.6





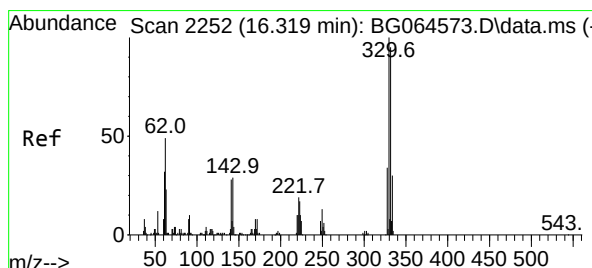
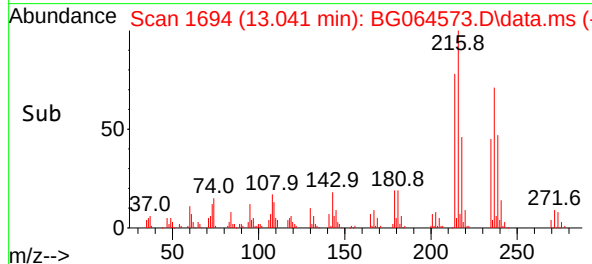
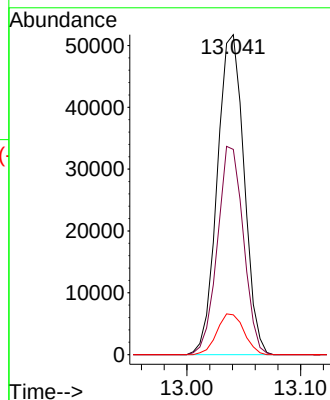
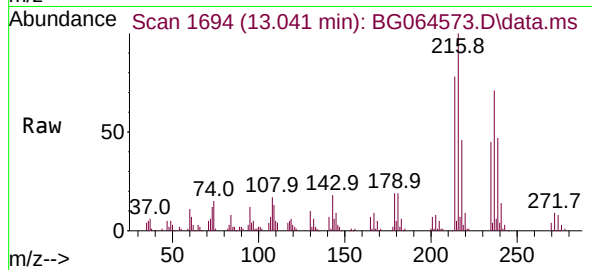
#41
Hexachlorocyclopentadiene
Concen: 42.853 ng
RT: 13.041 min Scan# 1694
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 84505
Ion Ratio Lower Upper
237 100
235 64.1 44.1 84.1
272 12.4 0.0 32.4

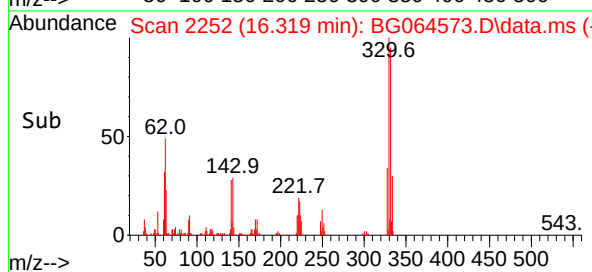
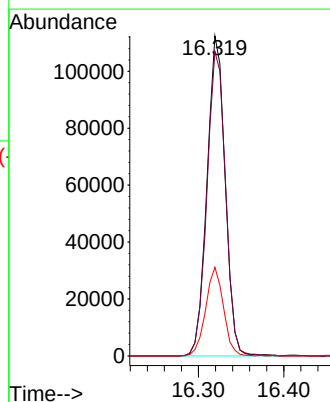
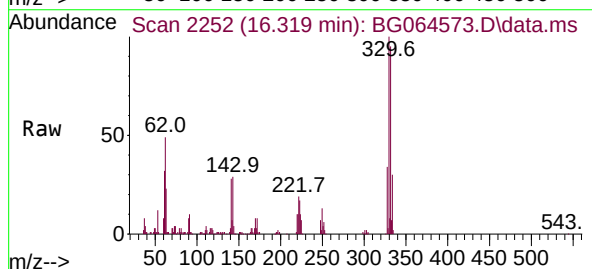
Manual Integrations
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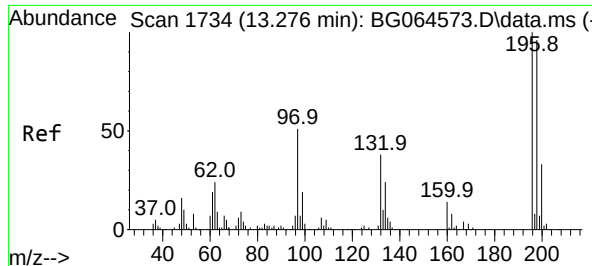
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#42
2,4,6-Tribromophenol
Concen: 88.092 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:330 Resp: 165976
Ion Ratio Lower Upper
330 100
332 97.5 78.0 117.0
141 27.2 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 44.097 ng

RT: 13.276 min Scan# 1734

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:196 Resp: 110509

Ion Ratio Lower Upper

196 100

198 95.8 76.6 115.0

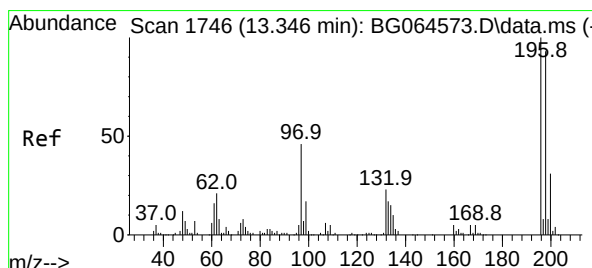
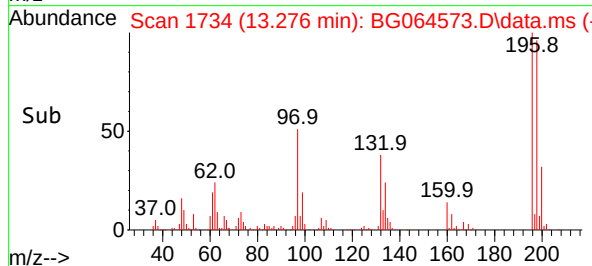
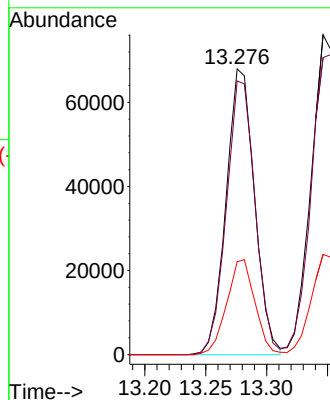
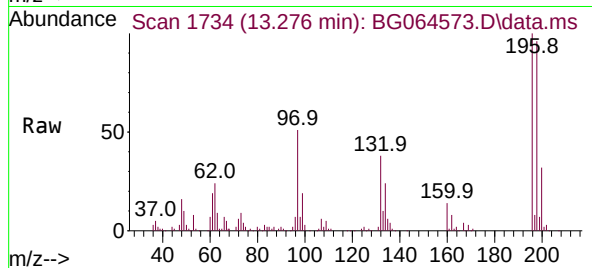
200 32.5 26.0 39.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

Concen: 43.694 ng

RT: 13.346 min Scan# 1746

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Tgt Ion:196 Resp: 126360

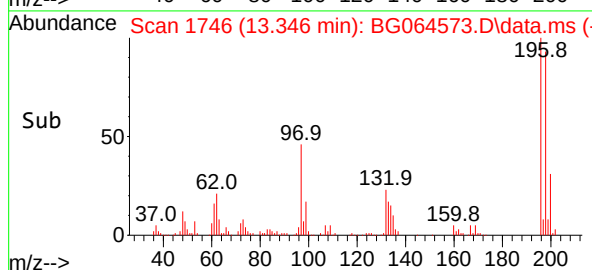
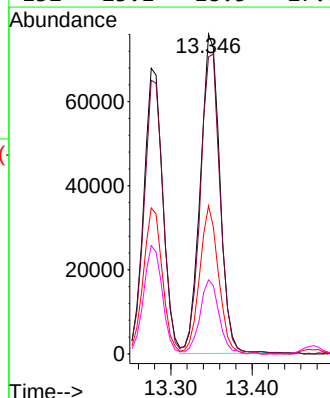
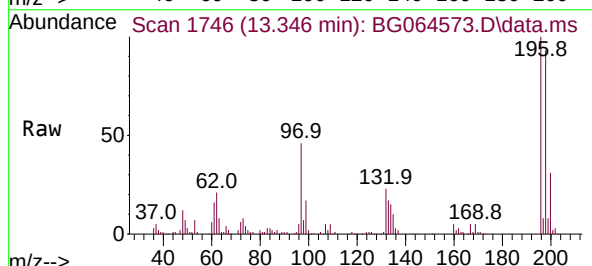
Ion Ratio Lower Upper

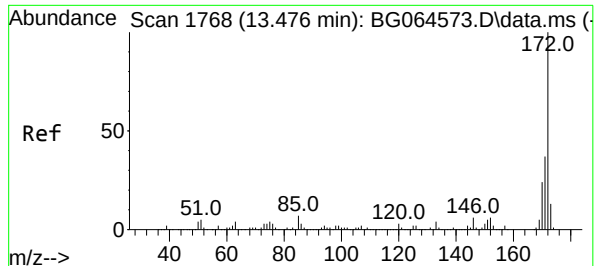
196 100

198 92.8 74.2 111.4

97 46.3 37.0 55.6

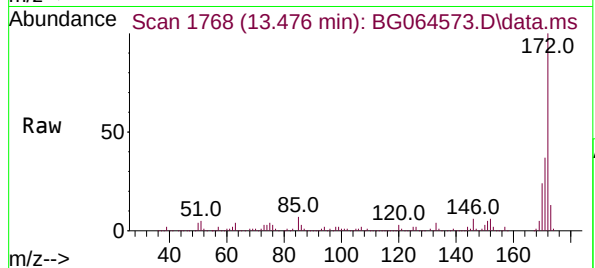
132 23.1 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 83.888 ng
RT: 13.476 min Scan# 1768
Delta R.T. -0.003 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

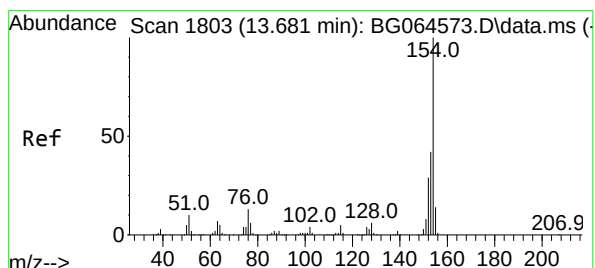
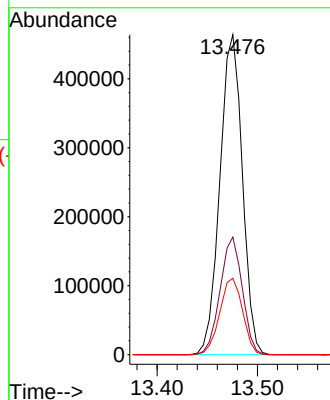
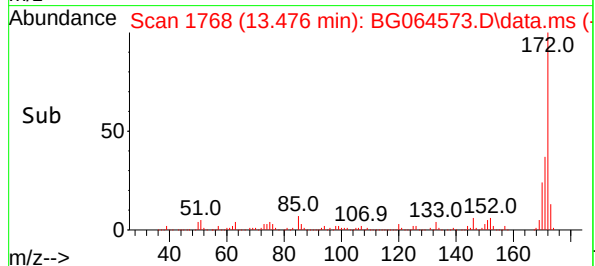
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



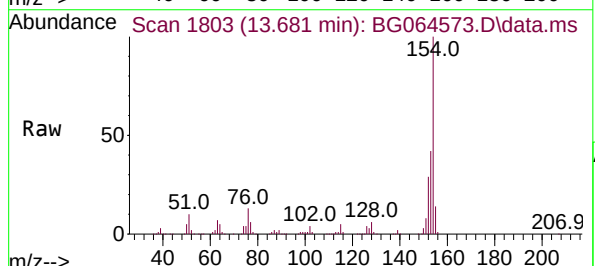
Tgt Ion:172 Resp: 722472
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 23.9 19.1 28.7

Manual Integrations
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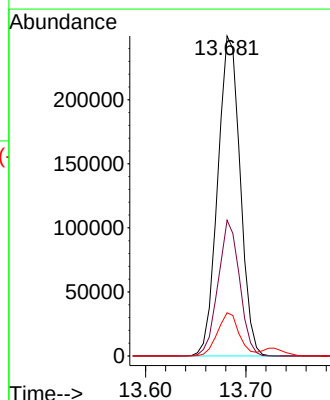
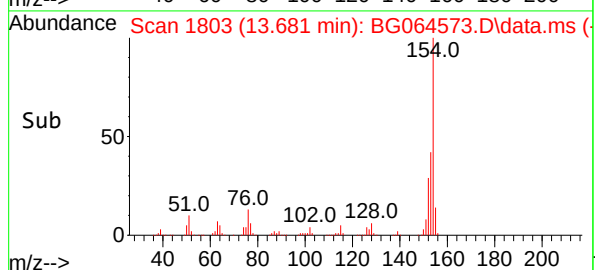
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

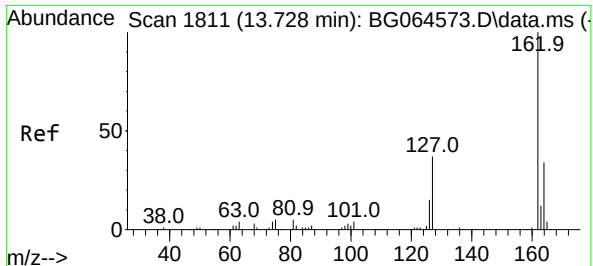


#46
1,1'-Biphenyl
Concen: 41.885 ng
RT: 13.681 min Scan# 1803
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03



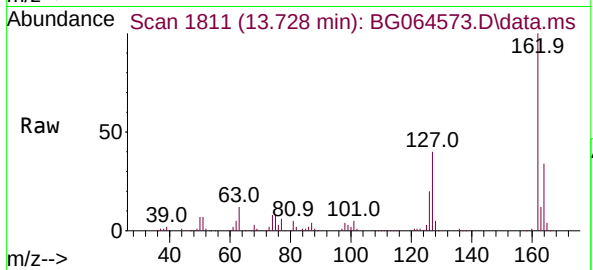
Tgt Ion:154 Resp: 388718
Ion Ratio Lower Upper
154 100
153 42.4 22.4 62.4
76 13.5 0.0 33.5





#47
2-Chloronaphthalene
Concen: 42.182 ng
RT: 13.728 min Scan# 1811
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

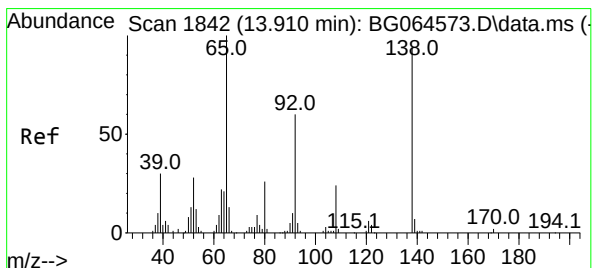
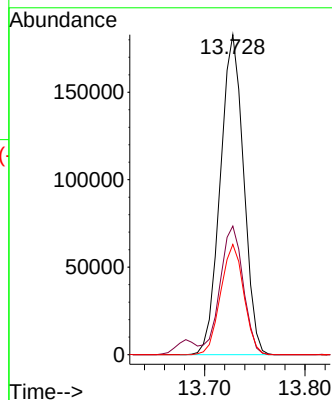
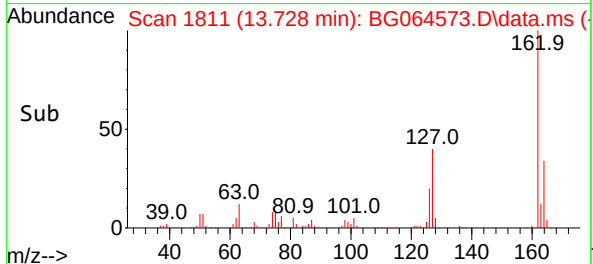
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:162 Resp: 295501
Ion Ratio Lower Upper
162 100
127 40.2 32.2 48.2
164 34.4 27.5 41.3

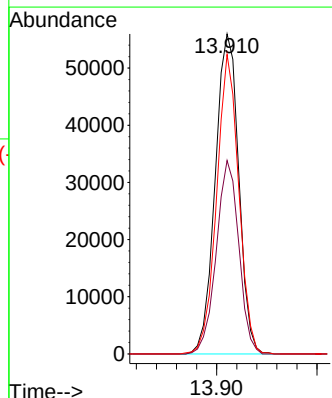
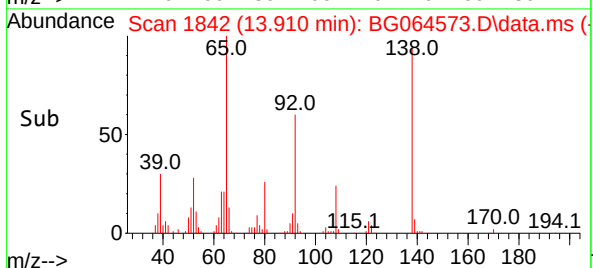
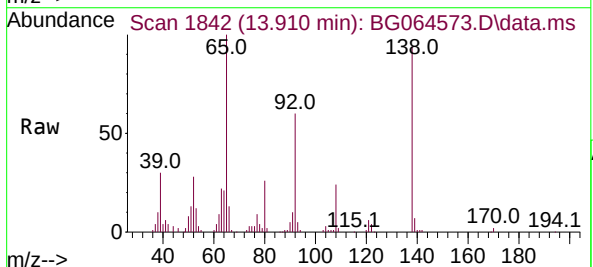
Manual Integrations
APPROVED

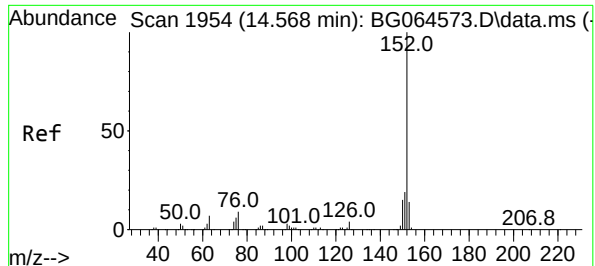
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#48
2-Nitroaniline
Concen: 39.303 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 65 Resp: 90958
Ion Ratio Lower Upper
65 100
92 60.4 48.3 72.5
138 93.6 74.9 112.3





#49

Acenaphthylene

Concen: 42.209 ng

RT: 14.568 min Scan# 1954

Delta R.T. 0.002 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:152 Resp: 466393

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.2

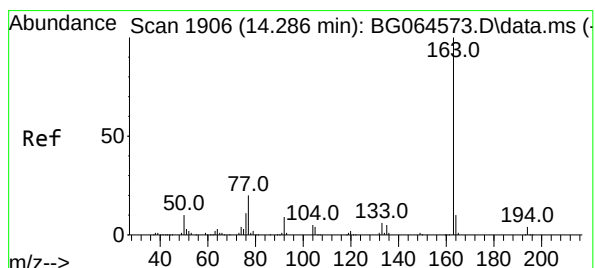
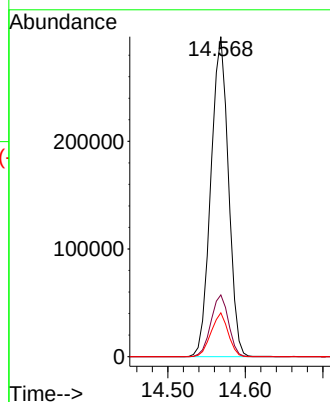
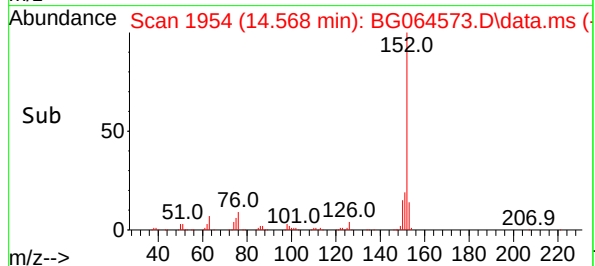
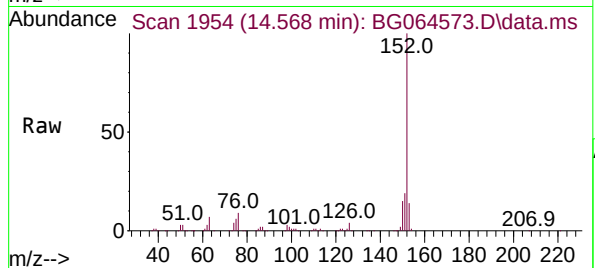
153 13.7 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 42.894 ng

RT: 14.286 min Scan# 1906

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

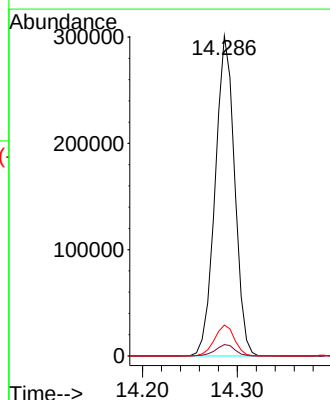
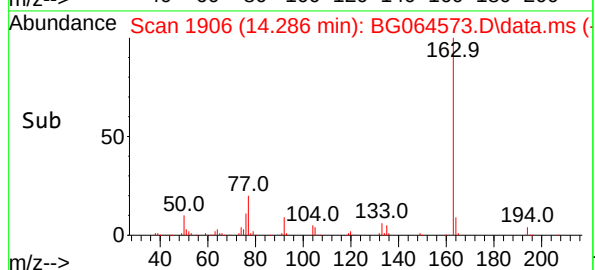
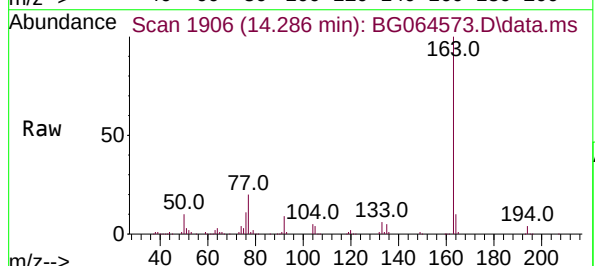
Tgt Ion:163 Resp: 428475

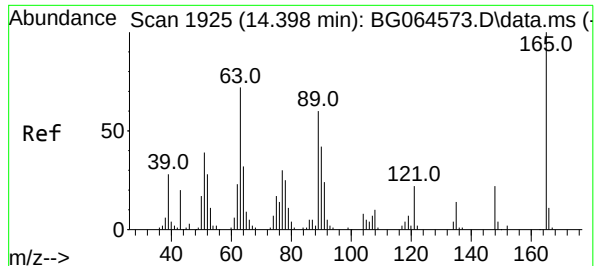
Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

164 9.6 7.7 11.5





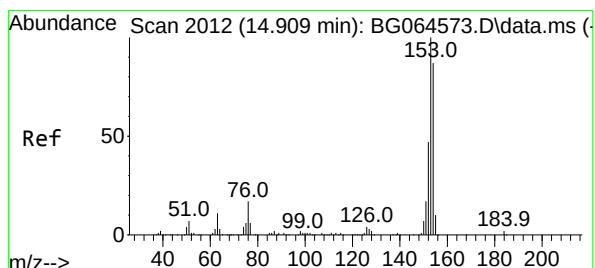
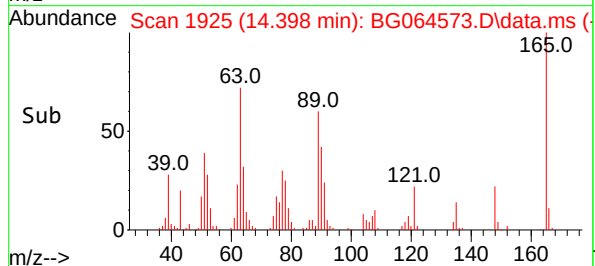
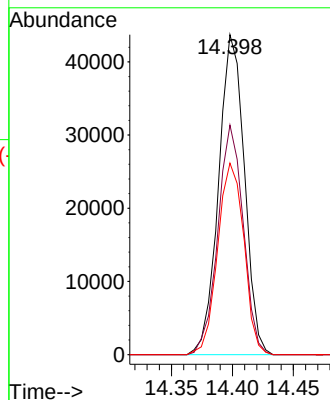
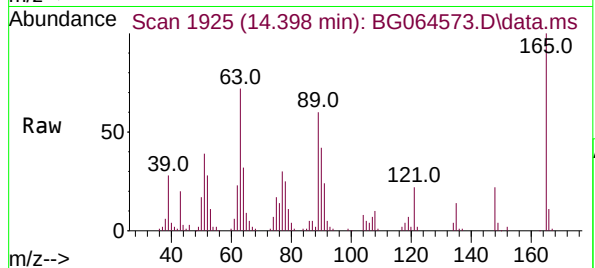
#51
2,6-Dinitrotoluene
Concen: 39.696 ng
RT: 14.398 min Scan# 1925
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 64452
Ion Ratio Lower Upper
165 100
63 71.7 57.4 86.0
89 59.8 47.8 71.8

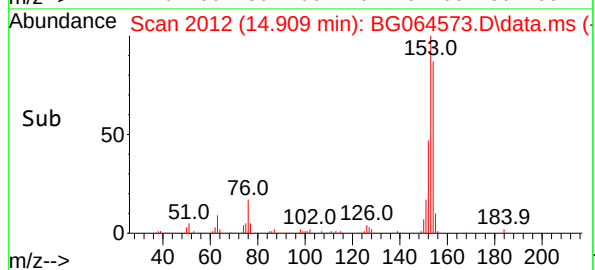
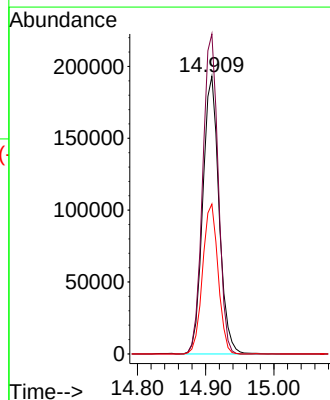
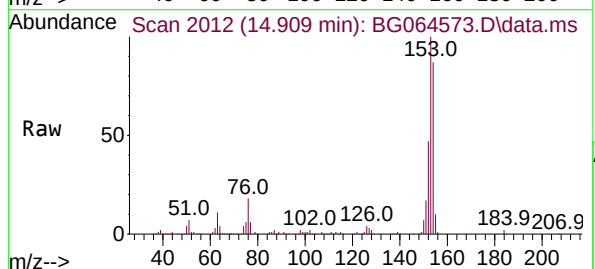
Manual Integrations
APPROVED

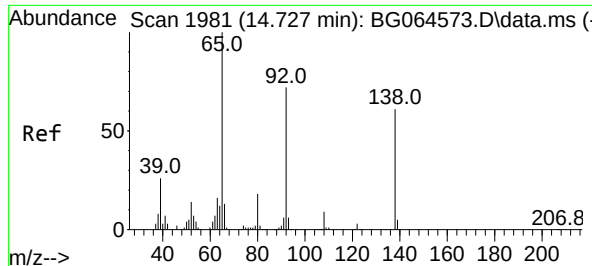
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#52
Acenaphthene
Concen: 42.289 ng
RT: 14.909 min Scan# 2012
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:154 Resp: 319250
Ion Ratio Lower Upper
154 100
153 115.3 92.2 138.4
152 54.0 43.2 64.8





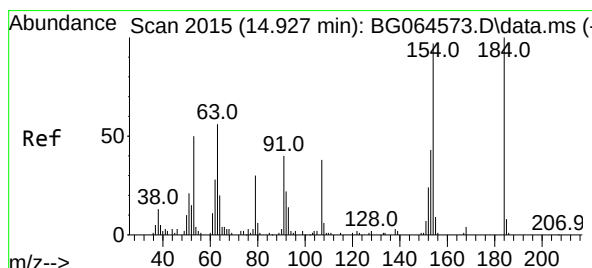
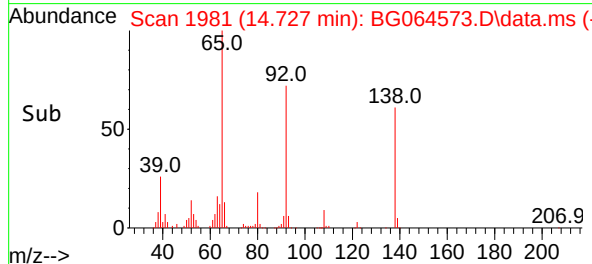
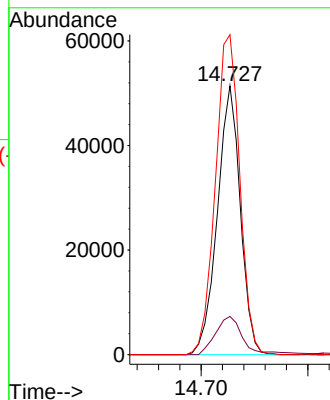
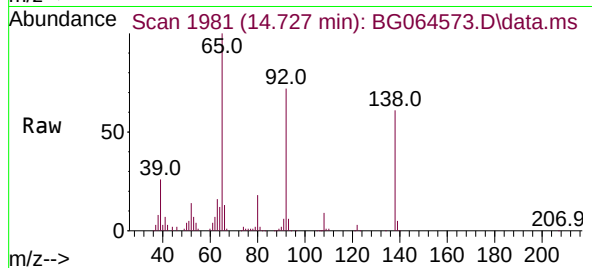
#53
3-Nitroaniline
Concen: 44.762 ng
RT: 14.727 min Scan# 1981
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 7684
Ion Ratio Lower Upper
138 100
108 14.2 11.4 17.0
92 119.1 95.3 142.9

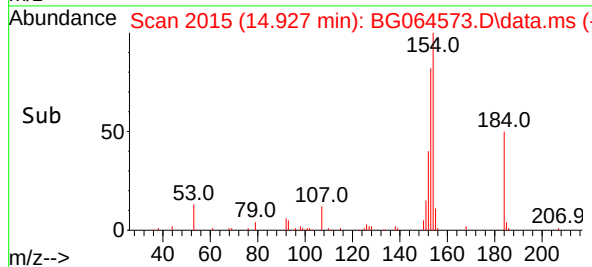
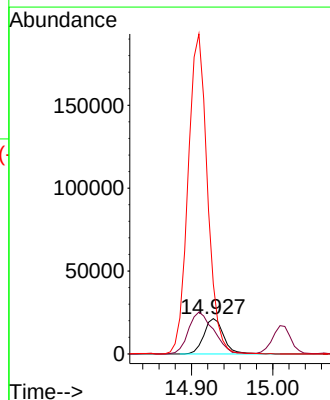
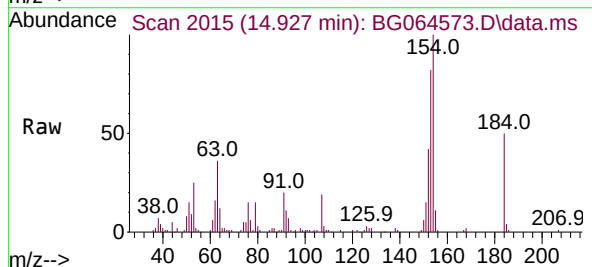
Manual Integrations
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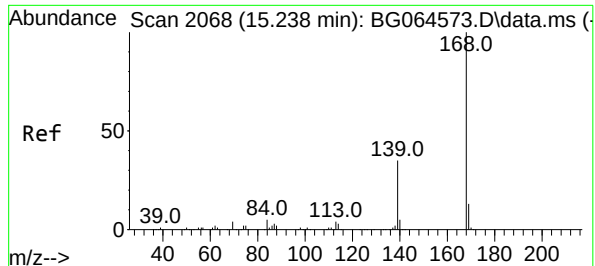
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#54
2,4-Dinitrophenol
Concen: 38.390 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.003 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

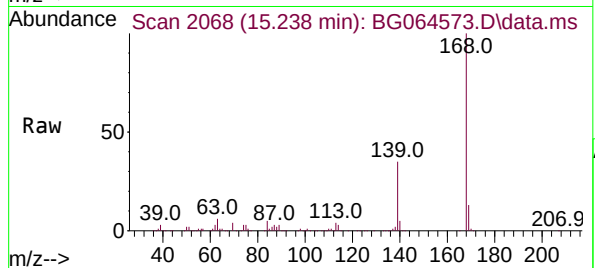
Tgt Ion:184 Resp: 35677
Ion Ratio Lower Upper
184 100
63 70.8 56.6 85.0
154 198.3 158.6 238.0





#55
Dibenzenofuran
Concen: 41.995 ng
RT: 15.238 min Scan# 2068
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

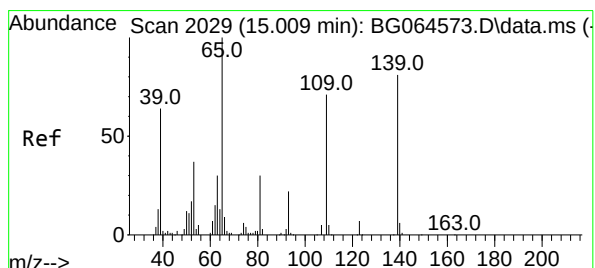
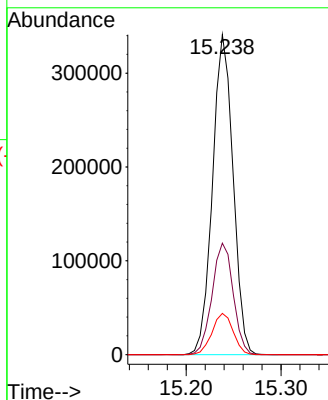
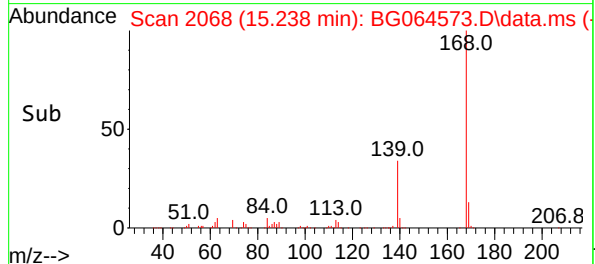
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:168 Resp: 51254
Ion Ratio Lower Upper
168 100
139 34.8 27.8 41.8
169 12.9 10.3 15.5

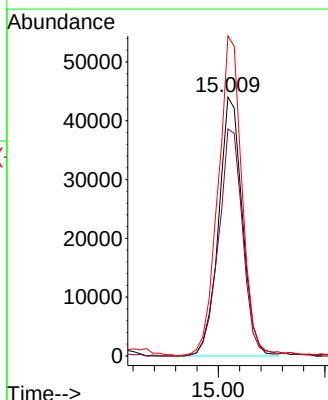
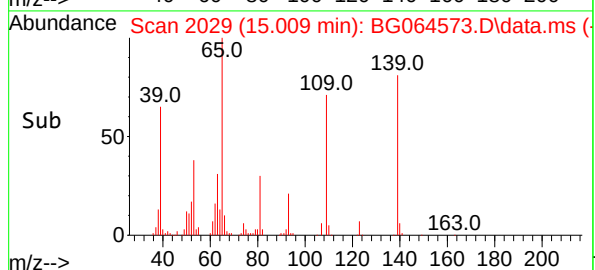
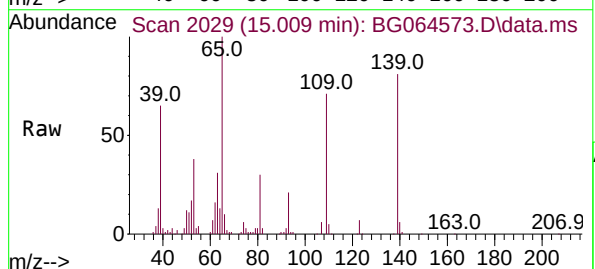
Manual Integrations
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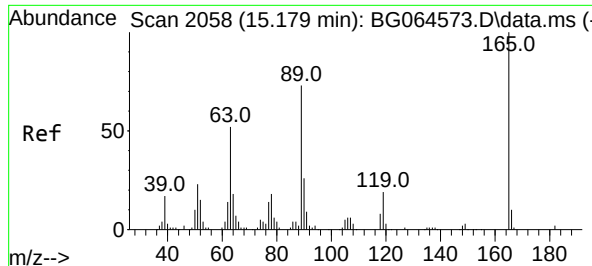
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#56
4-Nitrophenol
Concen: 42.765 ng
RT: 15.009 min Scan# 2029
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

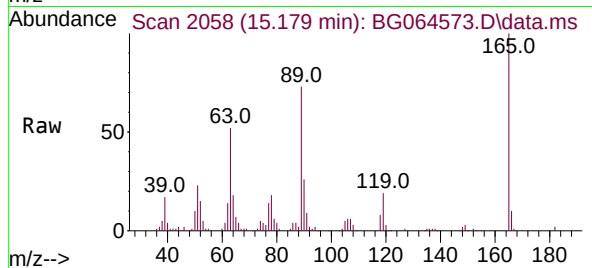
Tgt Ion:139 Resp: 68064
Ion Ratio Lower Upper
139 100
109 87.8 67.8 107.8
65 123.7 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 39.962 ng
RT: 15.179 min Scan# 2058
Delta R.T. -0.010 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

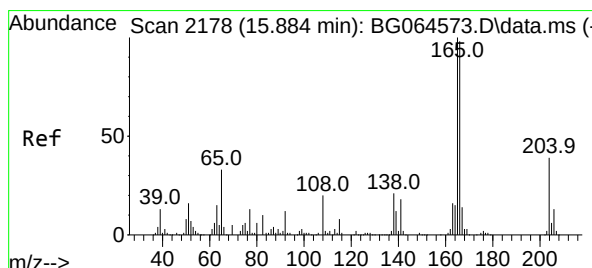
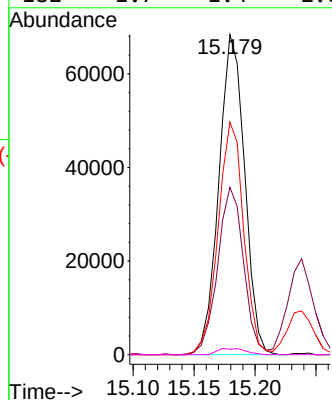
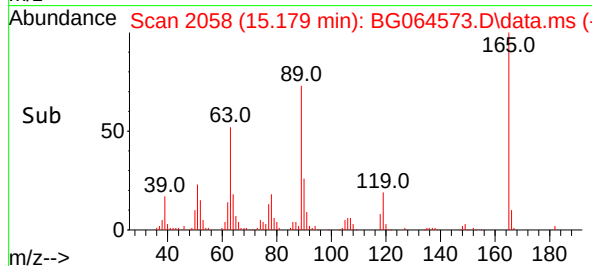
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 100448
Ion Ratio Lower Upper
165 100
63 52.3 41.8 62.8
89 72.6 58.1 87.1
182 1.7 1.4 2.0

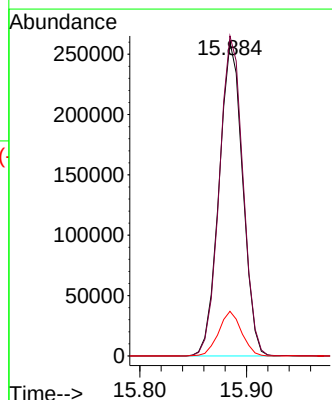
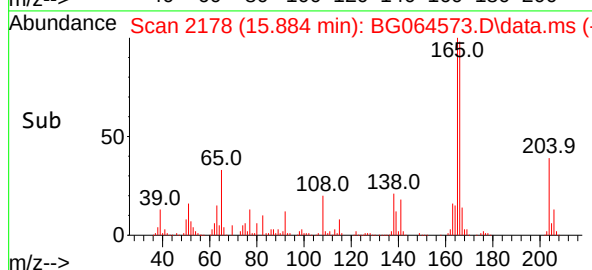
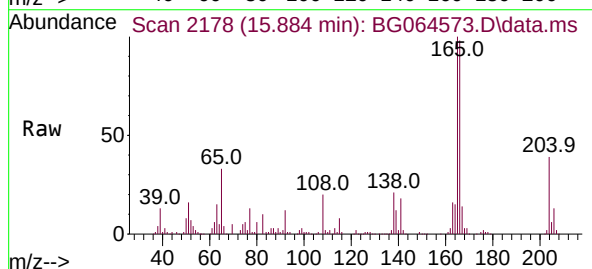
Manual Integrations
APPROVED

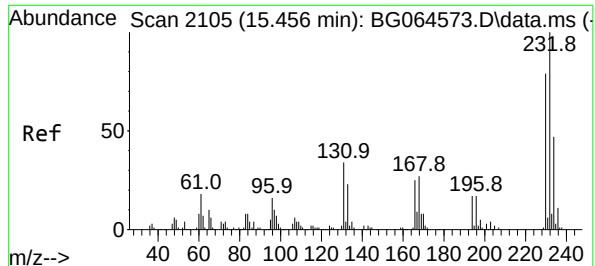
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#58
Fluorene
Concen: 41.939 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

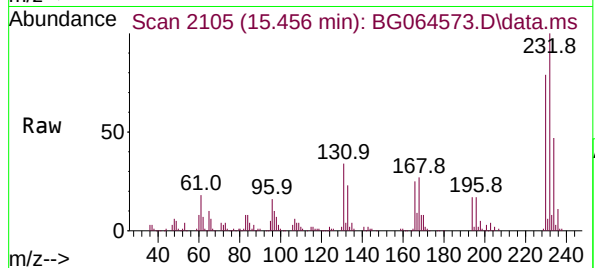
Tgt Ion:166 Resp: 399745
Ion Ratio Lower Upper
166 100
165 101.9 81.5 122.3
167 14.2 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.030 ng
RT: 15.456 min Scan# 2105
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

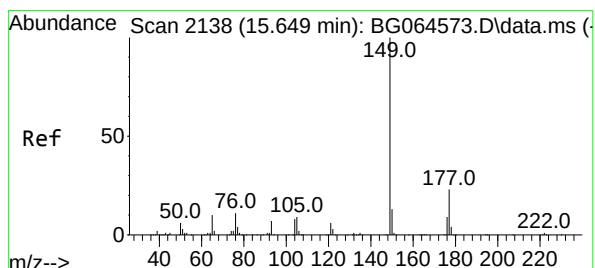
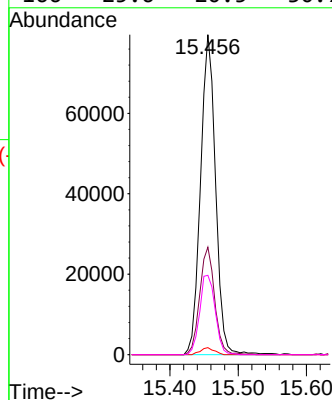
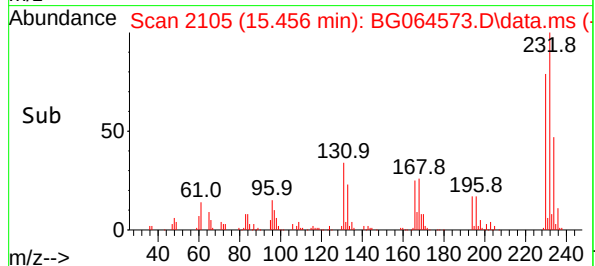
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



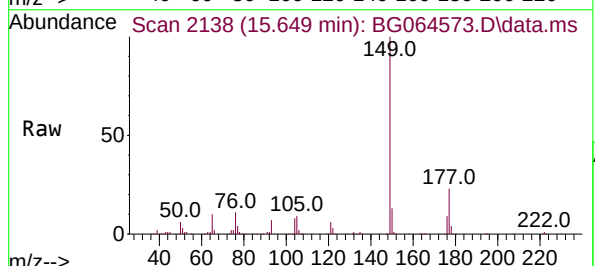
Tgt Ion:232 Resp: 121762
Ion Ratio Lower Upper
232 100
131 33.4 26.7 40.1
130 2.0 1.6 2.4
166 25.6 20.5 30.7

Manual Integrations
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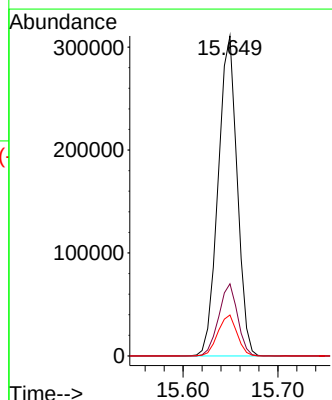
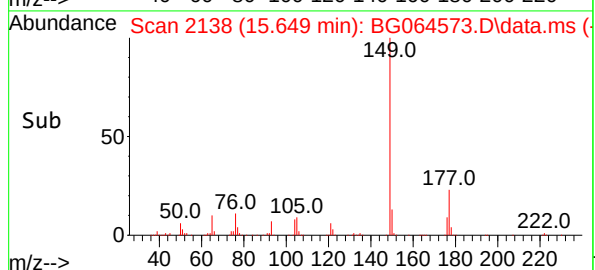
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

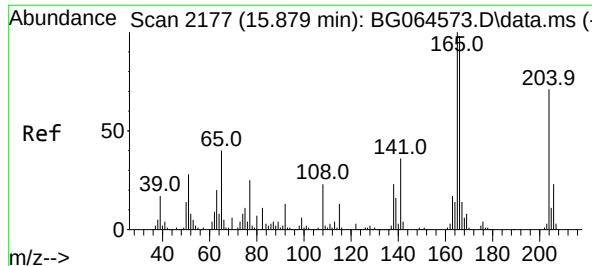


#60
Diethylphthalate
Concen: 42.412 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03



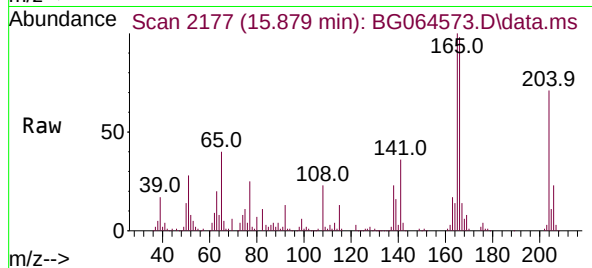
Tgt Ion:149 Resp: 432571
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 12.8 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 42.270 ng
RT: 15.879 min Scan# 2177
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

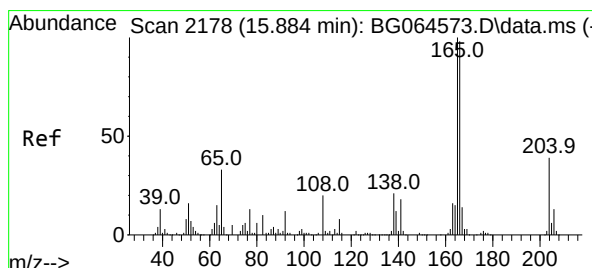
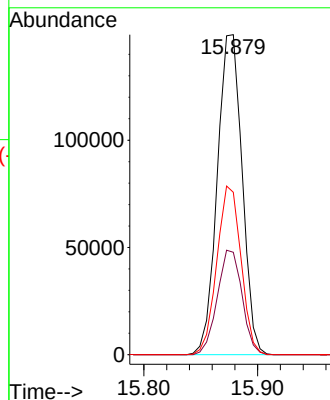
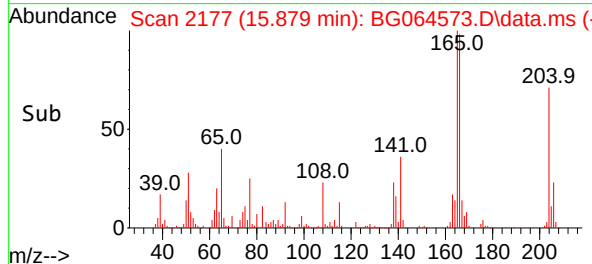
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:204 Resp: 226104
Ion Ratio Lower Upper
204 100
206 32.0 25.6 38.4
141 50.7 40.6 60.8

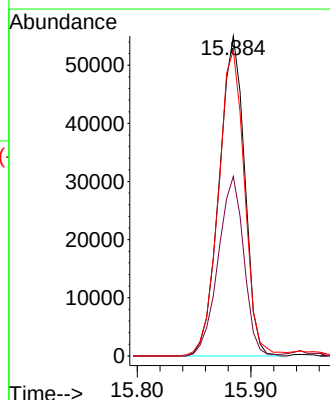
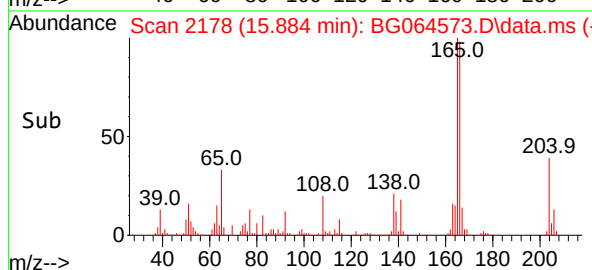
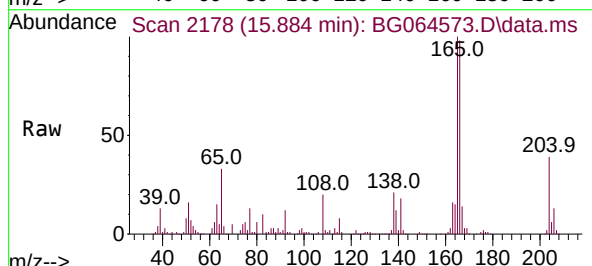
Manual Integrations
APPROVED

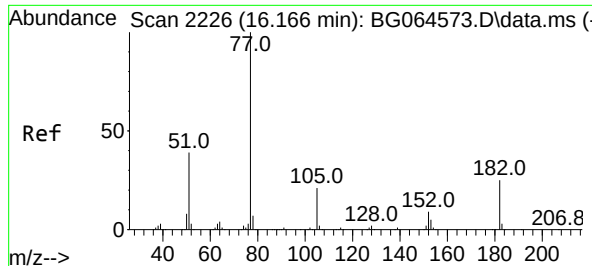
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#62
4-Nitroaniline
Concen: 44.662 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

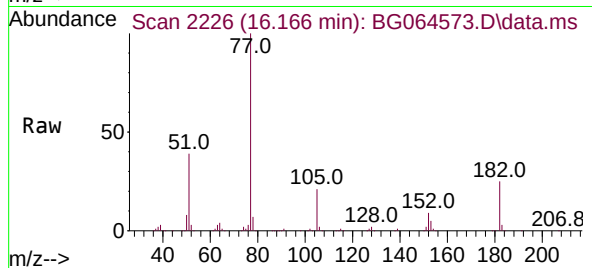
Tgt Ion:138 Resp: 85297
Ion Ratio Lower Upper
138 100
92 56.1 36.1 76.1
108 95.6 75.6 115.6





#63
Azobenzene
Concen: 42.922 ng
RT: 16.166 min Scan# 2226
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

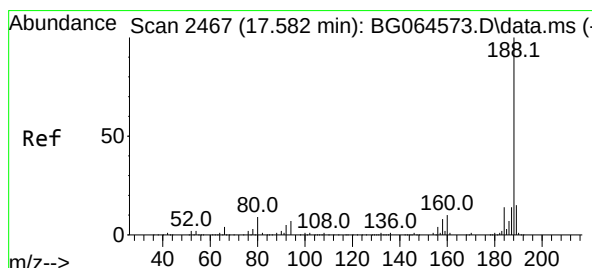
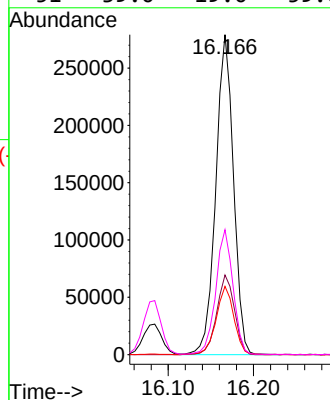
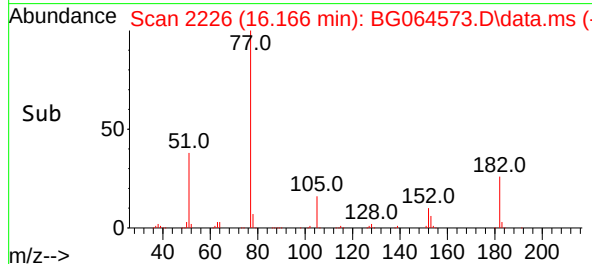
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 401676
Ion Ratio Lower Upper
77 100
182 24.9 4.9 44.9
105 21.3 1.3 41.3
51 39.0 19.0 59.0

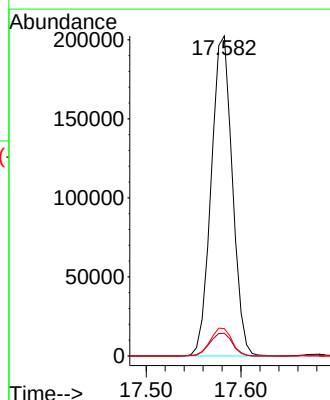
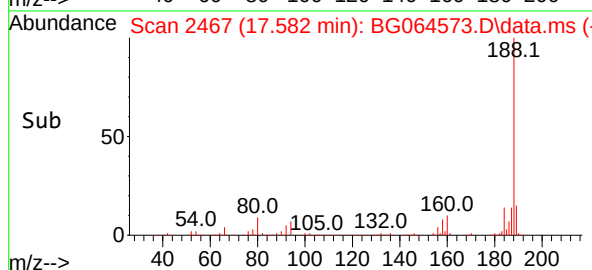
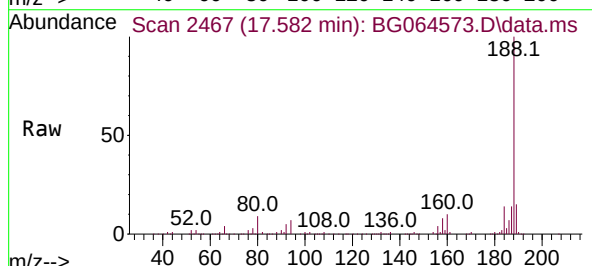
Manual Integrations
APPROVED

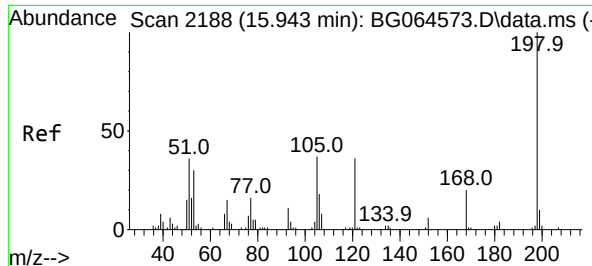
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:188 Resp: 313311
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 8.5 6.8 10.2





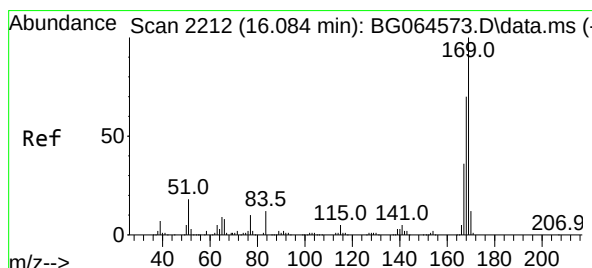
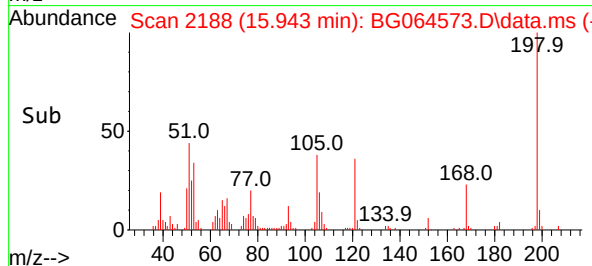
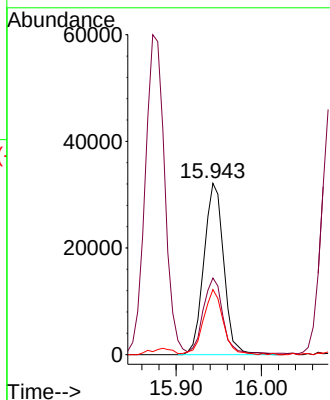
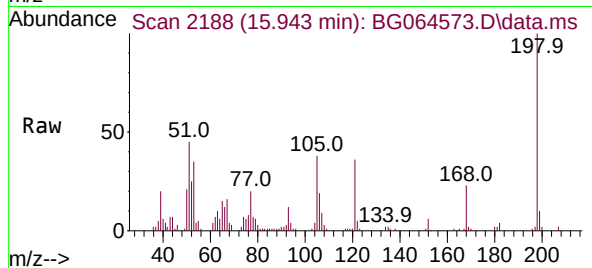
#65
4,6-Dinitro-2-methylphenol
Concen: 38.770 ng
RT: 15.943 min Scan# 2188
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 51829
Ion Ratio Lower Upper
198 100
51 44.7 24.7 64.7
105 38.0 18.0 58.0

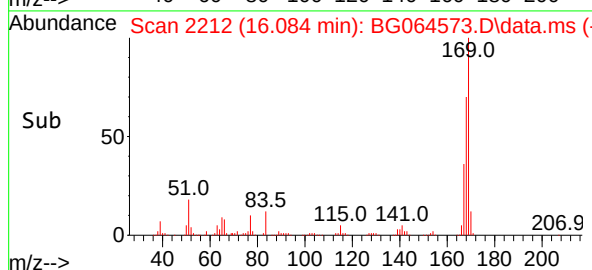
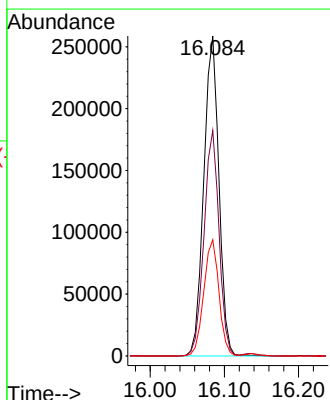
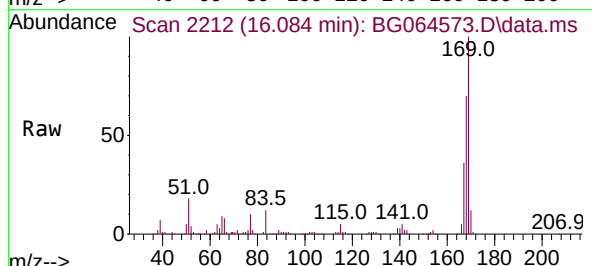
Manual Integrations
APPROVED

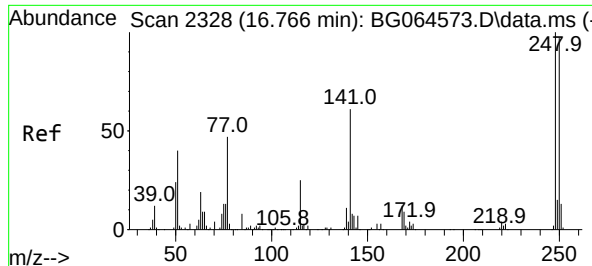
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#66
n-Nitrosodiphenylamine
Concen: 43.201 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

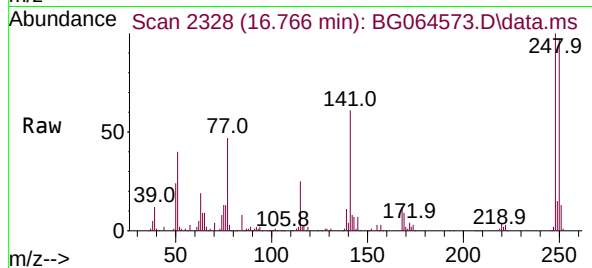
Tgt Ion:169 Resp: 365624
Ion Ratio Lower Upper
169 100
168 70.4 56.3 84.5
167 36.3 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 43.563 ng
RT: 16.766 min Scan# 2328
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

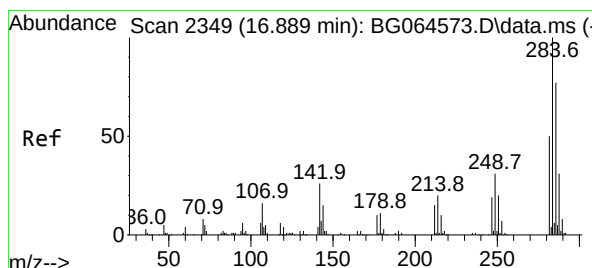
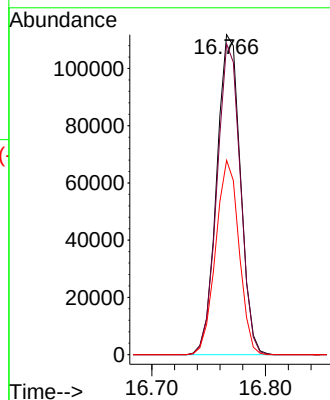
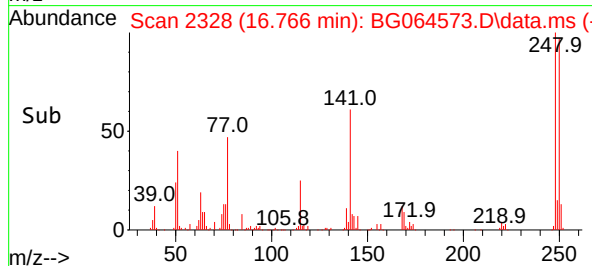
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



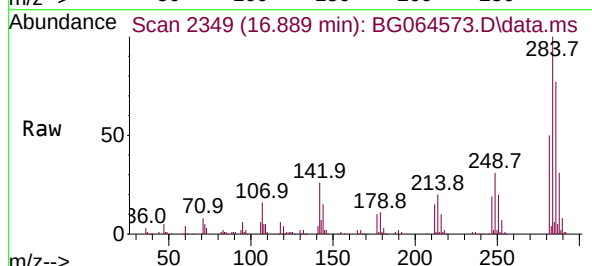
Tgt Ion:248 Resp: 161744
Ion Ratio Lower Upper
248 100
250 97.1 77.7 116.5
141 60.7 48.6 72.8

Manual Integrations
APPROVED

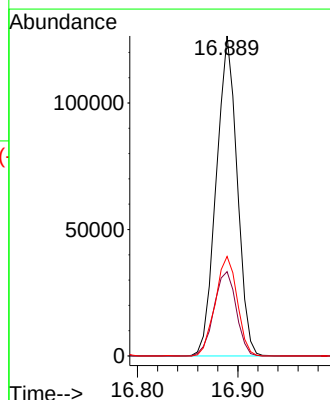
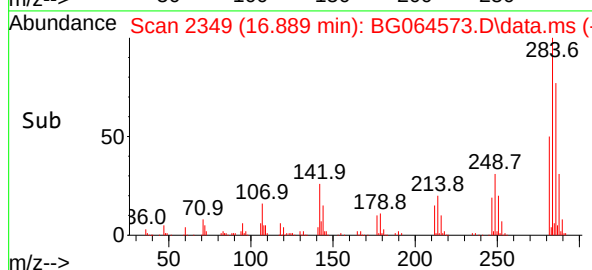
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

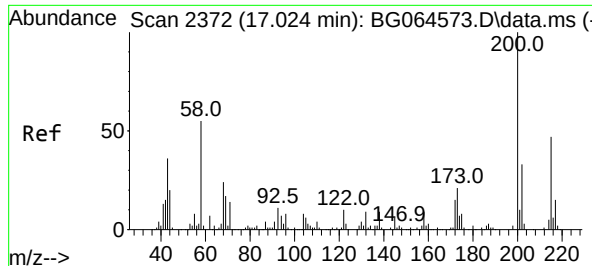


#68
Hexachlorobenzene
Concen: 43.265 ng
RT: 16.889 min Scan# 2349
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03



Tgt Ion:284 Resp: 183262
Ion Ratio Lower Upper
284 100
142 26.3 21.0 31.6
249 31.1 24.9 37.3





#69

Atrazine

Concen: 42.203 ng

RT: 17.024 min Scan# 2372

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:200 Resp: 153706

Ion Ratio Lower Upper

200 100

173 20.9 0.9 40.9

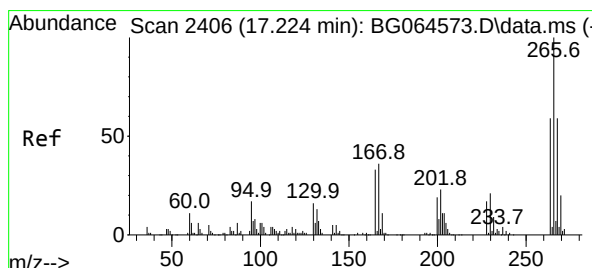
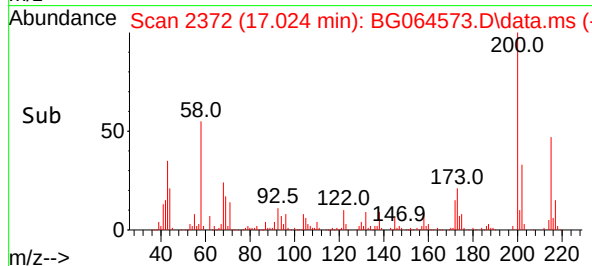
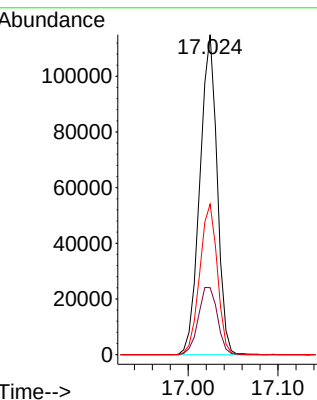
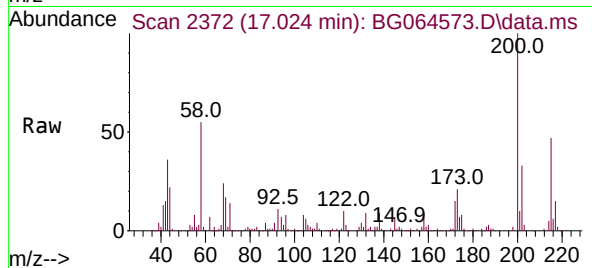
215 47.0 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#70

Pentachlorophenol

Concen: 42.694 ng

RT: 17.224 min Scan# 2406

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

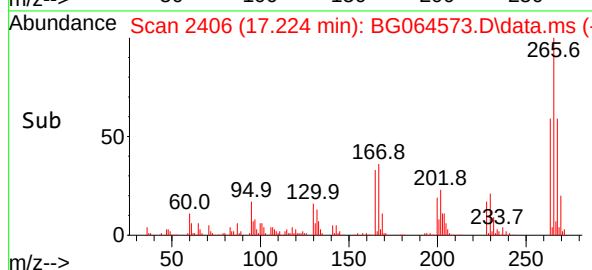
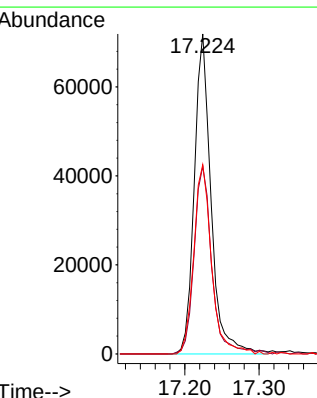
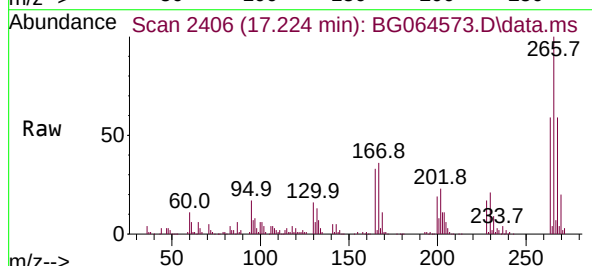
Tgt Ion:266 Resp: 112769

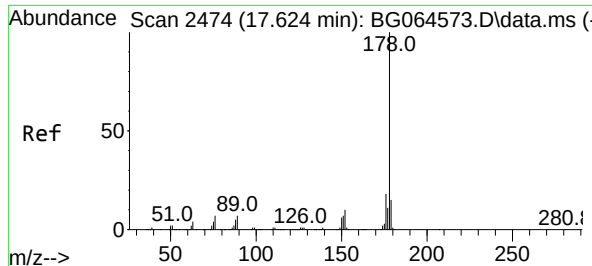
Ion Ratio Lower Upper

266 100

268 62.9 50.3 75.5

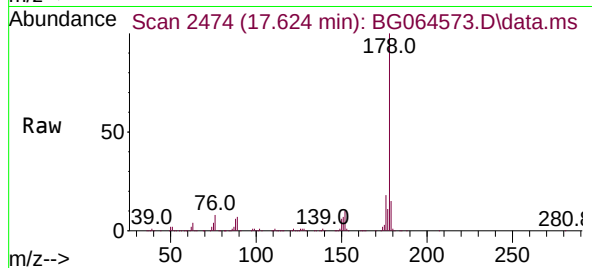
264 59.1 47.3 70.9





#71
Phenanthrene
Concen: 42.500 ng
RT: 17.624 min Scan# 2474
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

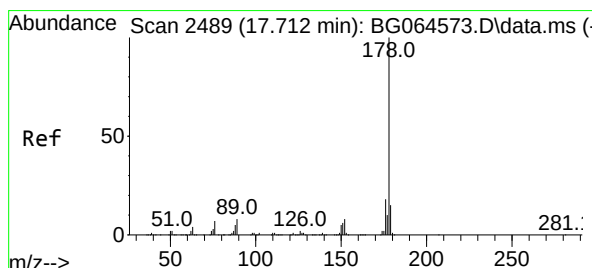
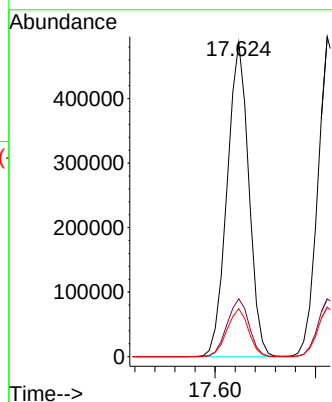
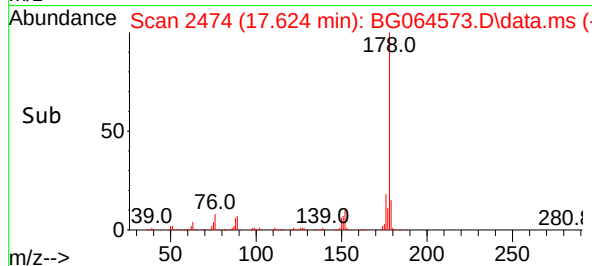
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:178 Resp: 728184
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.3 12.2 18.4

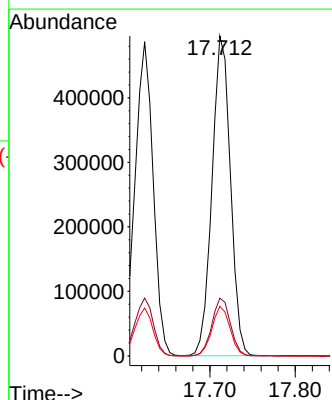
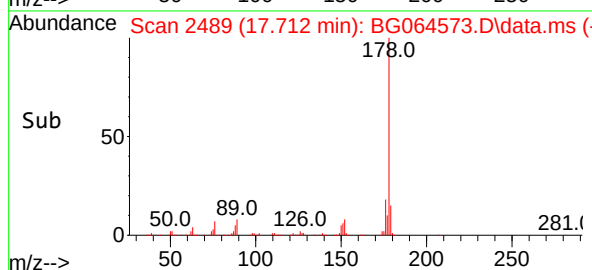
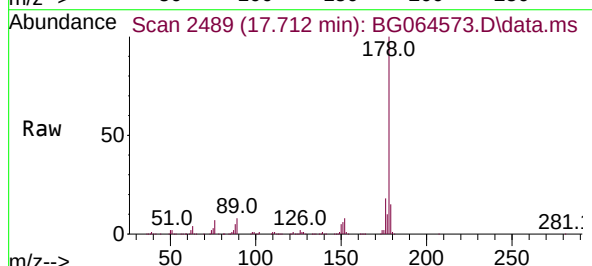
Manual Integrations
APPROVED

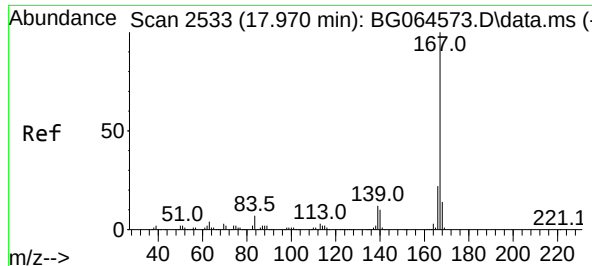
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#72
Anthracene
Concen: 42.663 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

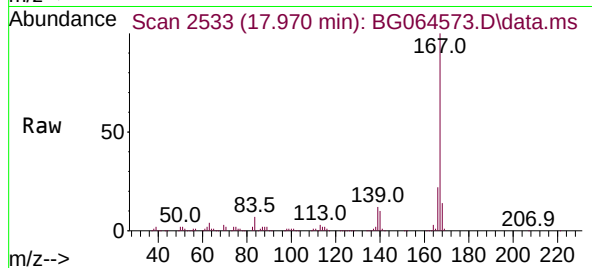
Tgt Ion:178 Resp: 743567
Ion Ratio Lower Upper
178 100
176 18.0 14.4 21.6
179 15.5 12.4 18.6





#73
Carbazole
Concen: 42.053 ng
RT: 17.970 min Scan# 2533
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

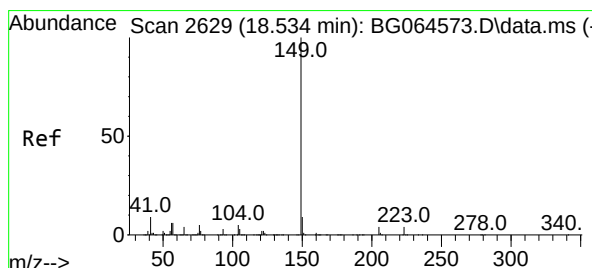
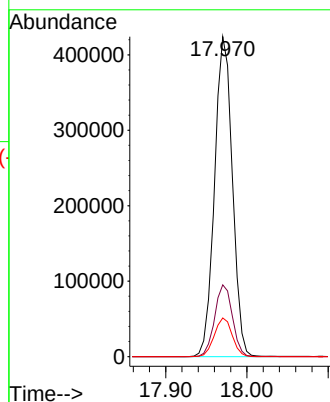
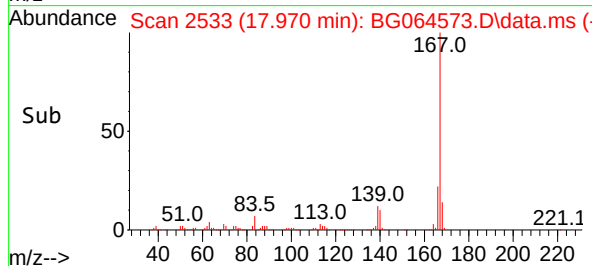
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:167 Resp: 646319
Ion Ratio Lower Upper
167 100
166 22.4 17.9 26.9
139 12.1 9.7 14.5

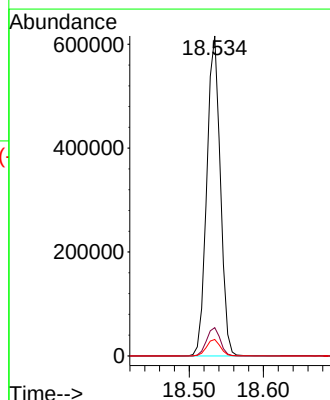
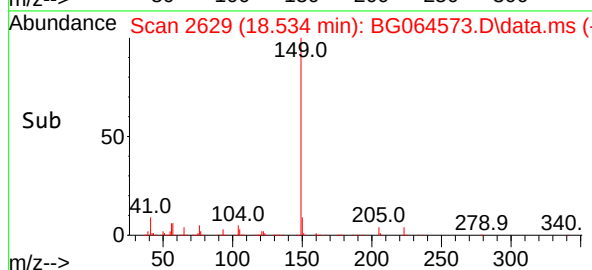
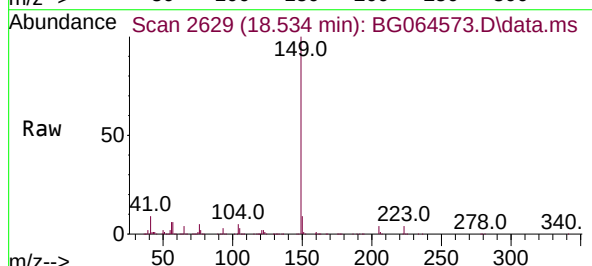
Manual Integrations
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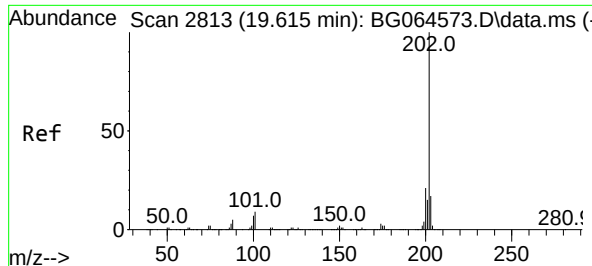
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#74
Di-n-butylphthalate
Concen: 43.711 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

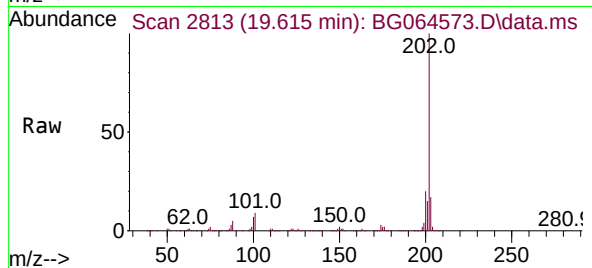
Tgt Ion:149 Resp: 776847
Ion Ratio Lower Upper
149 100
150 8.8 7.0 10.6
104 5.1 4.1 6.1





#75
Fluoranthene
Concen: 42.050 ng
RT: 19.615 min Scan# 2813
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

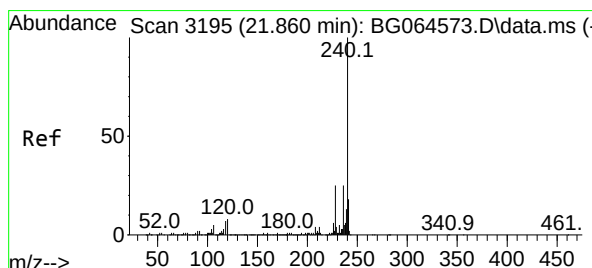
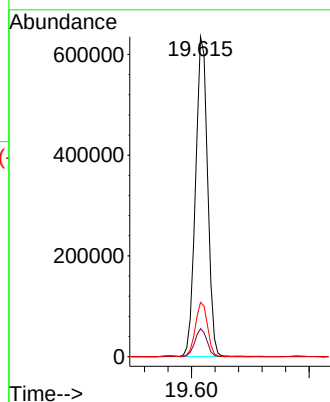
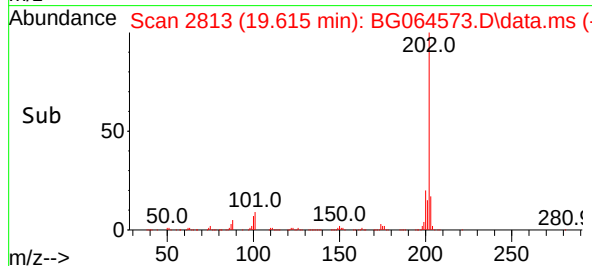
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 90255
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.7
203 17.0 0.0 37.0

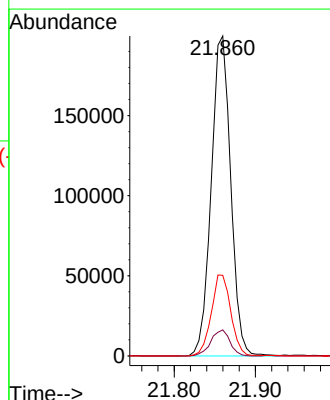
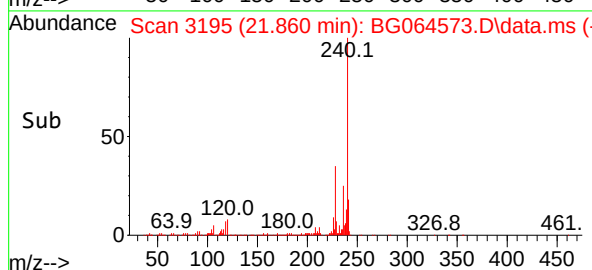
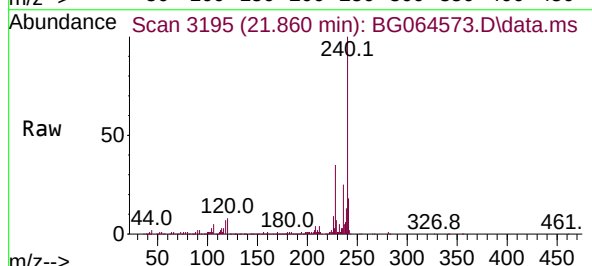
Manual Integrations
APPROVED

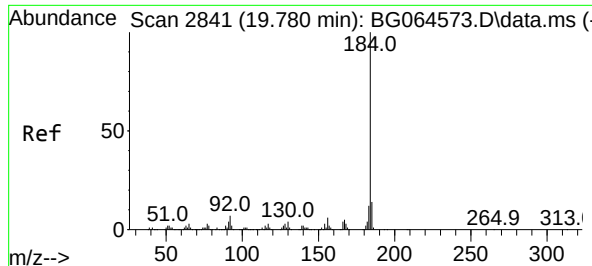
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.860 min Scan# 3195
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

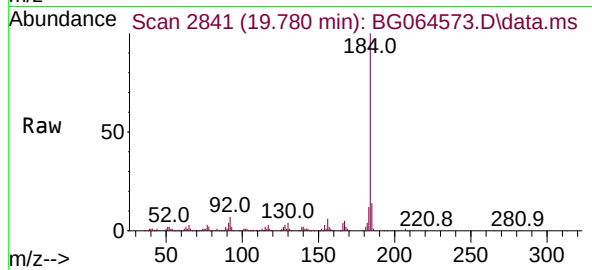
Tgt Ion:240 Resp: 332834
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 25.2 20.2 30.2





#77
Benzidine
Concen: 43.697 ng
RT: 19.780 min Scan# 2841
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

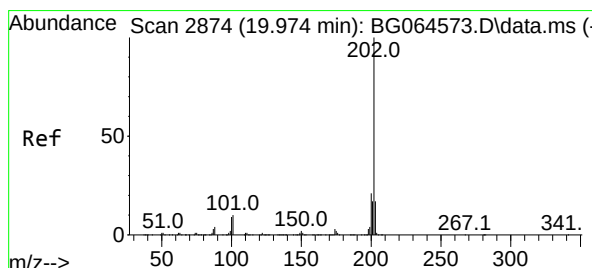
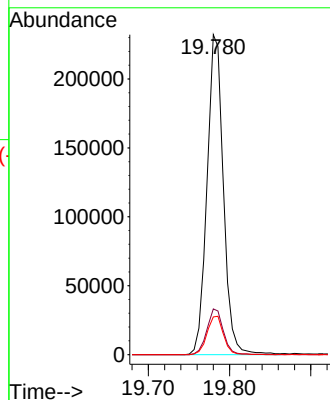
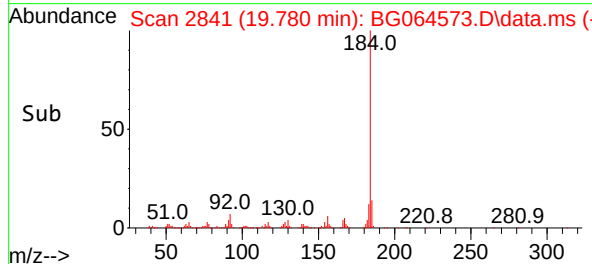
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



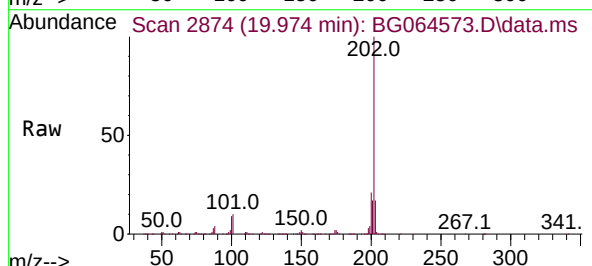
Tgt Ion:184 Resp: 325845
Ion Ratio Lower Upper
184 100
185 14.3 11.4 17.2
183 11.8 9.4 14.2

Manual Integrations
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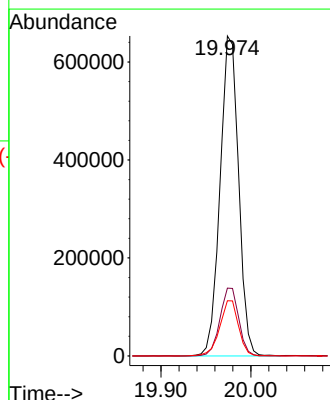
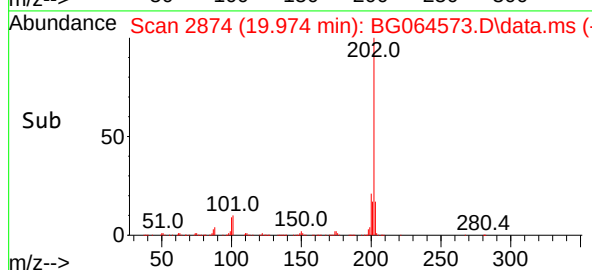
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

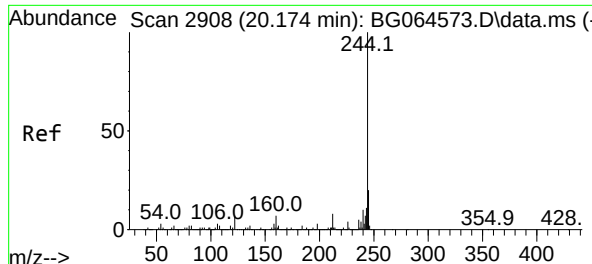


#78
Pyrene
Concen: 43.186 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03



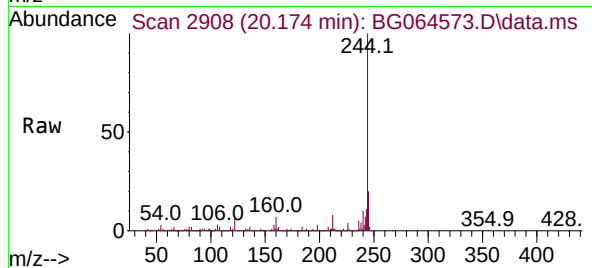
Tgt Ion:202 Resp: 939110
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.2 13.8 20.6





#79
Terphenyl-d14
Concen: 86.242 ng
RT: 20.174 min Scan# 2908
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

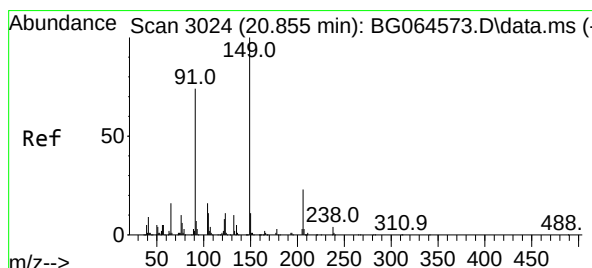
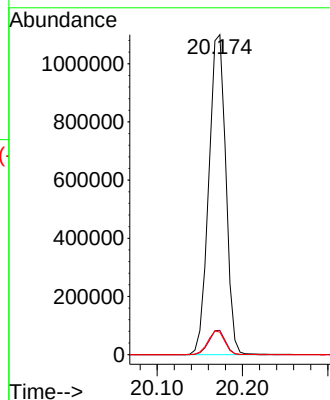
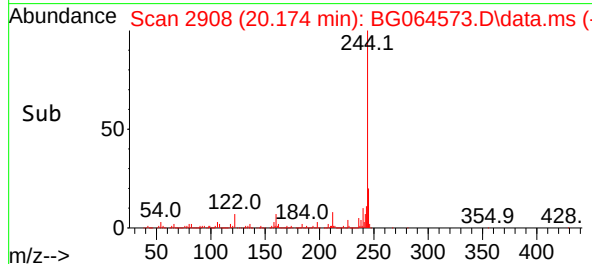
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:244 Resp: 1521028
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 7.0 5.6 8.4

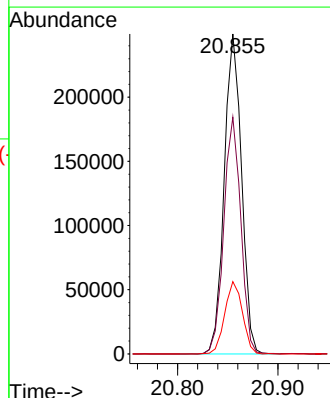
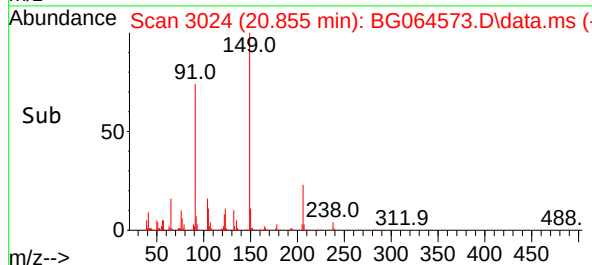
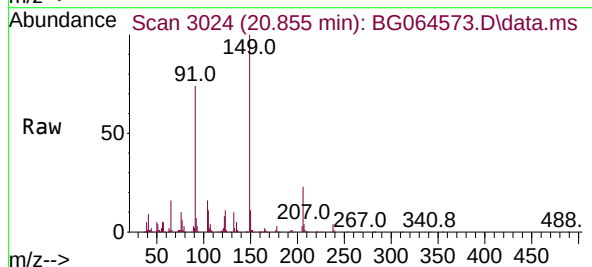
Manual Integrations
APPROVED

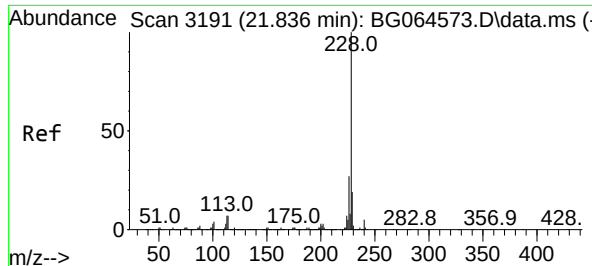
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#80
Butylbenzylphthalate
Concen: 45.601 ng
RT: 20.855 min Scan# 3024
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

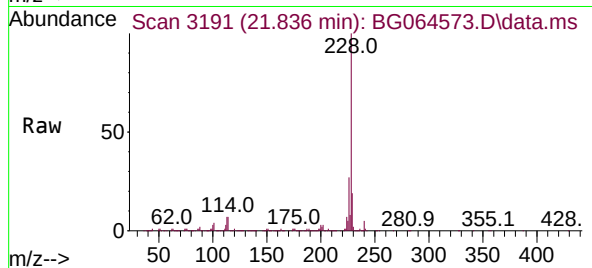
Tgt Ion:149 Resp: 299706
Ion Ratio Lower Upper
149 100
91 74.0 59.2 88.8
206 22.6 18.1 27.1





#81
Benzo(a)anthracene
Concen: 42.723 ng
RT: 21.836 min Scan# 3191
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

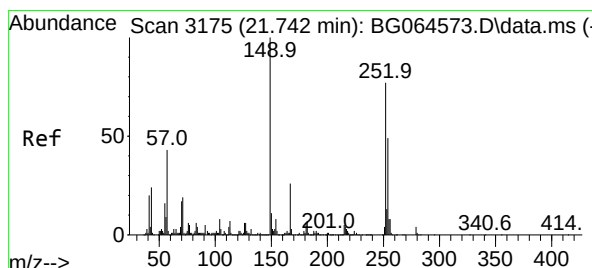
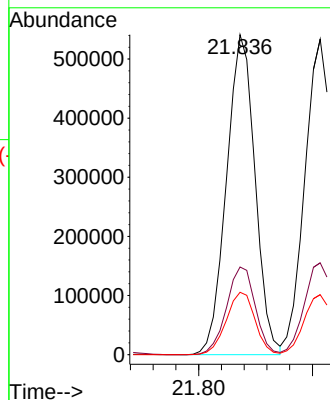
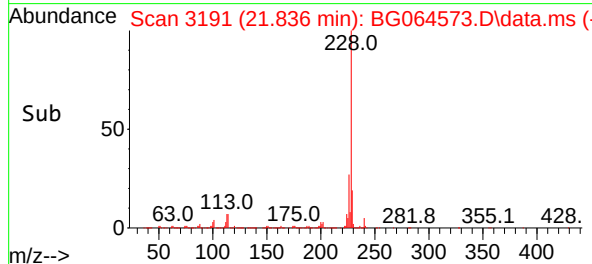
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 942839
Ion Ratio Lower Upper
228 100
226 27.4 21.9 32.9
229 19.5 15.6 23.4

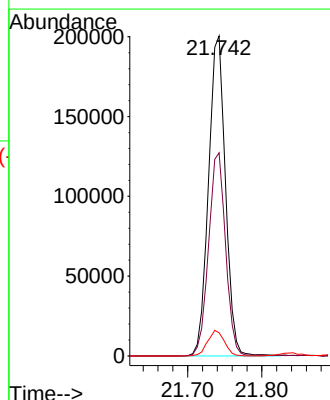
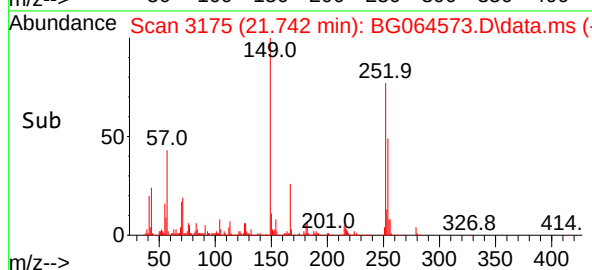
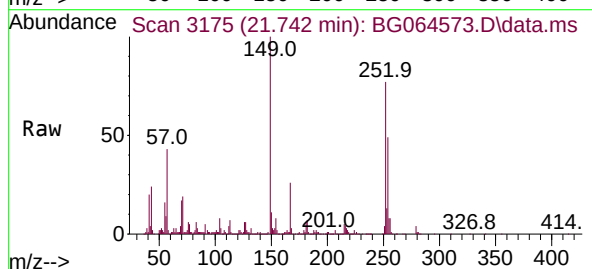
Manual Integrations
APPROVED

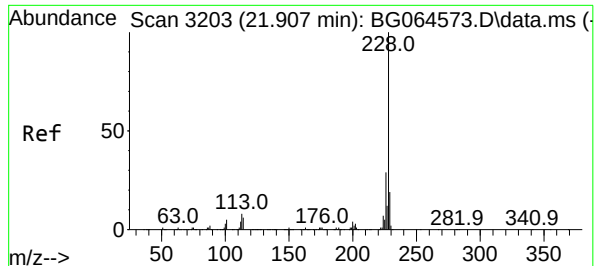
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 43.131 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 317851
Ion Ratio Lower Upper
252 100
254 63.5 50.8 76.2
126 7.2 5.8 8.6





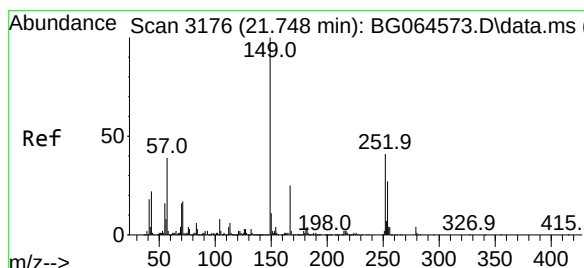
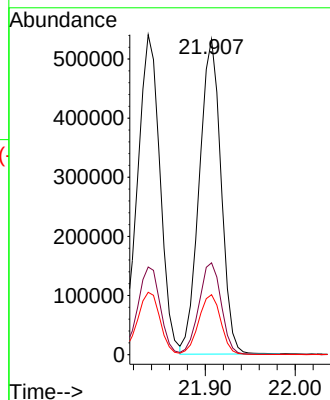
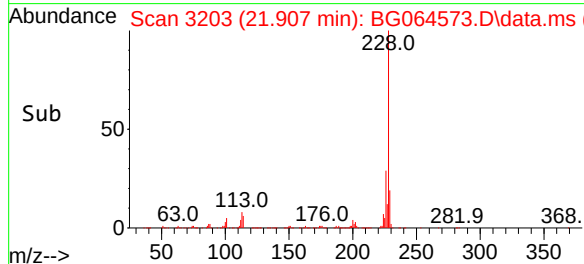
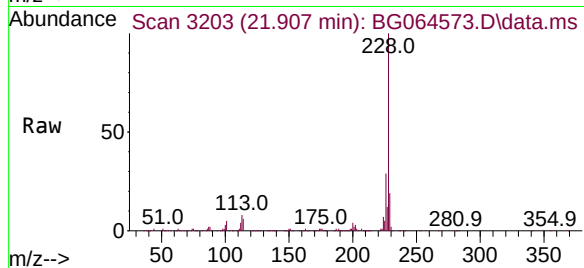
#83
Chrysene
Concen: 42.613 ng
RT: 21.907 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 894813
Ion Ratio Lower Upper
228 100
226 29.1 23.3 34.9
229 19.0 15.2 22.8

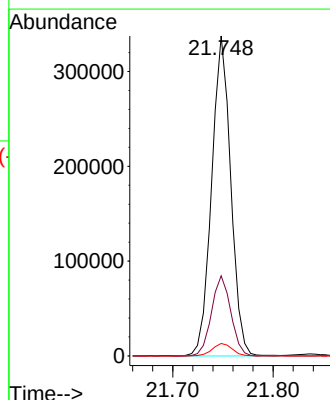
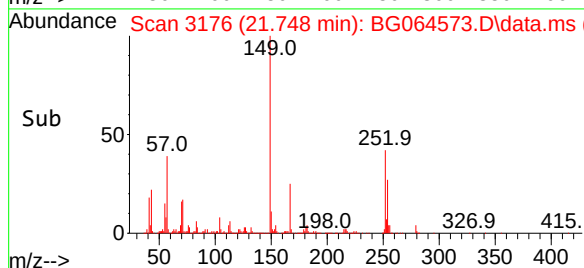
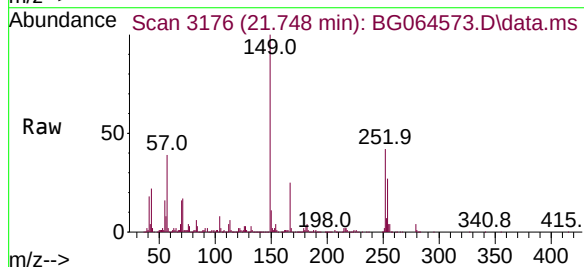
Manual Integrations
APPROVED

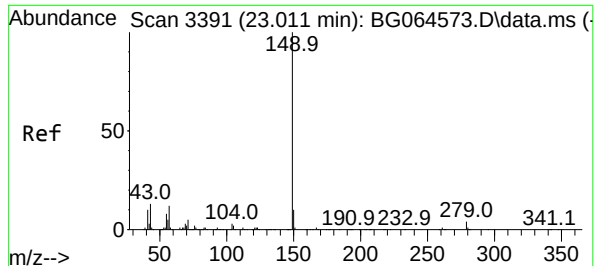
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.494 ng
RT: 21.748 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

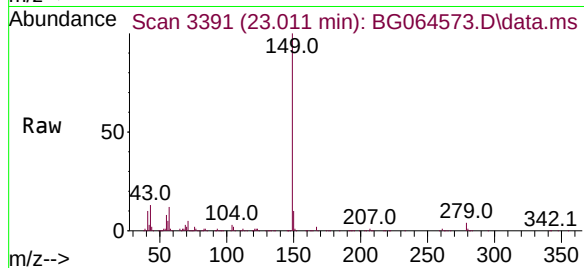
Tgt Ion:149 Resp: 446785
Ion Ratio Lower Upper
149 100
167 25.0 20.0 30.0
279 3.9 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 43.688 ng
RT: 23.011 min Scan# 3391
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

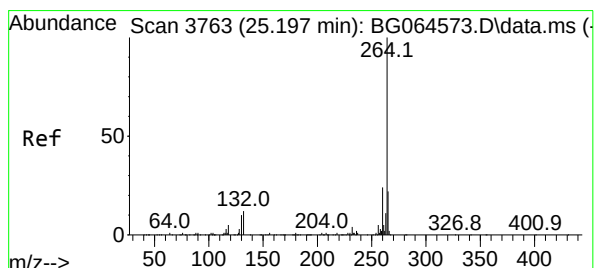
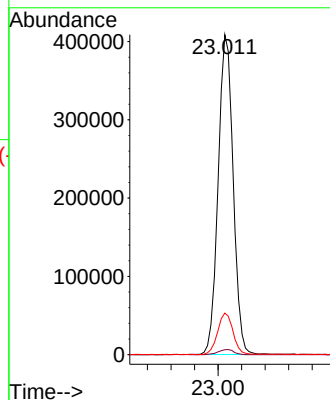
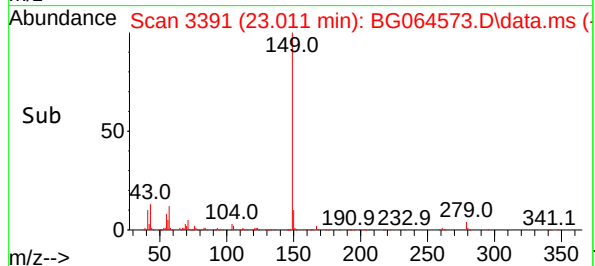
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 723360
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.5 10.8 16.2

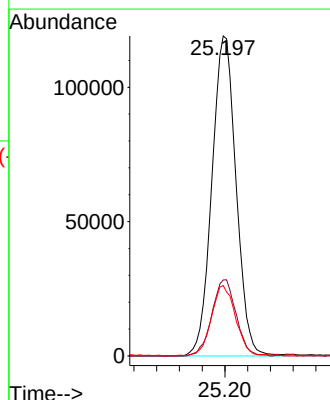
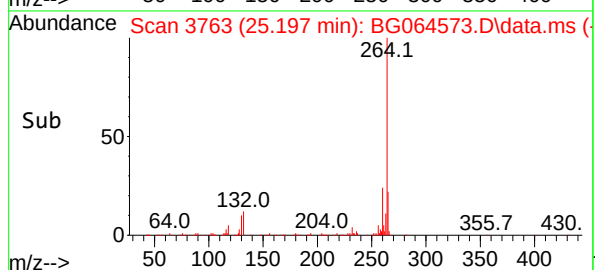
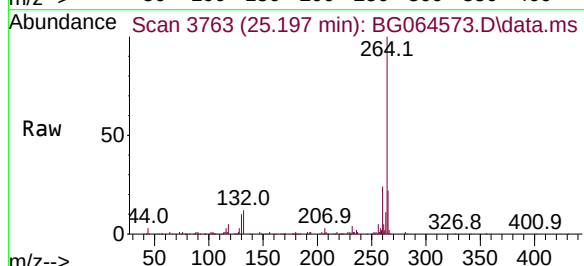
Manual Integrations
APPROVED

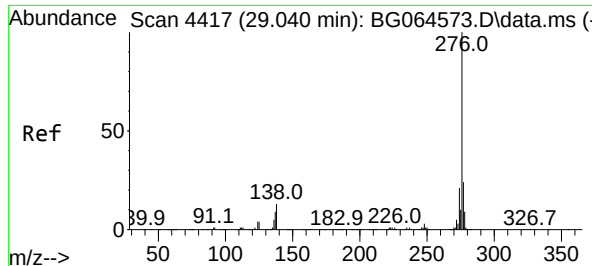
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

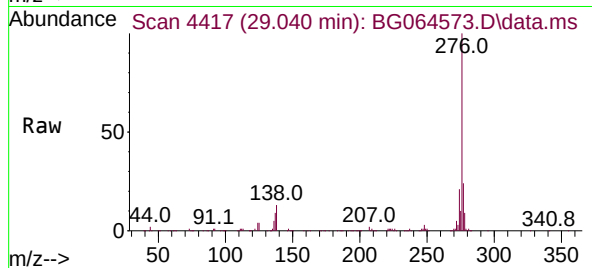
Tgt Ion:264 Resp: 350897
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 22.0 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 42.624 ng
RT: 29.040 min Scan# 4417
Delta R.T. -0.021 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

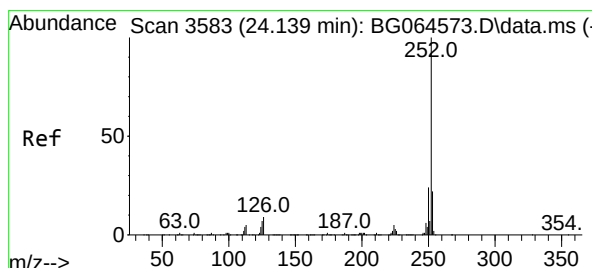
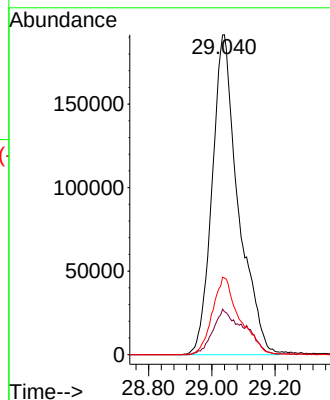
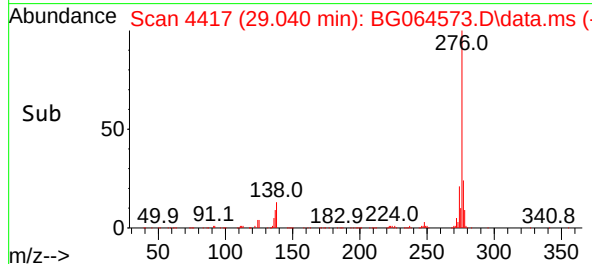
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion: 276 Resp: 1100259
Ion Ratio Lower Upper
276 100
138 13.5 10.8 16.2
277 25.1 20.1 30.1

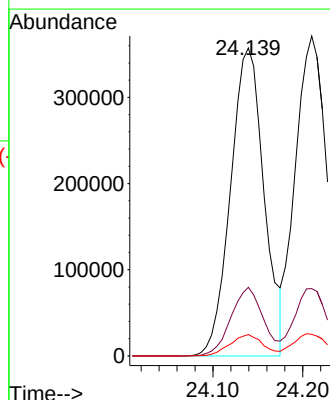
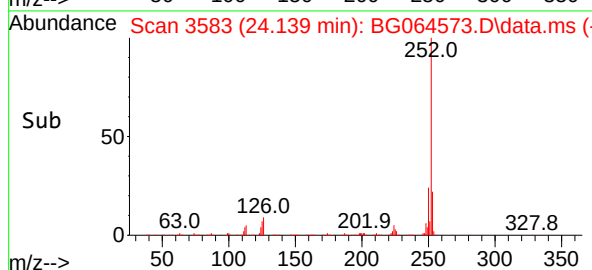
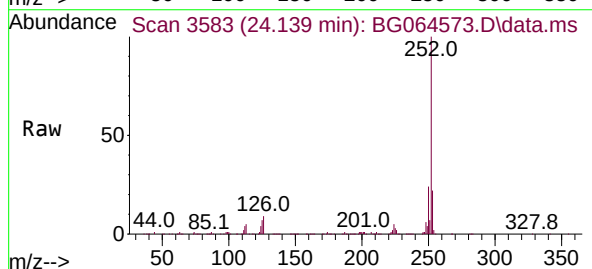
Manual Integrations
APPROVED

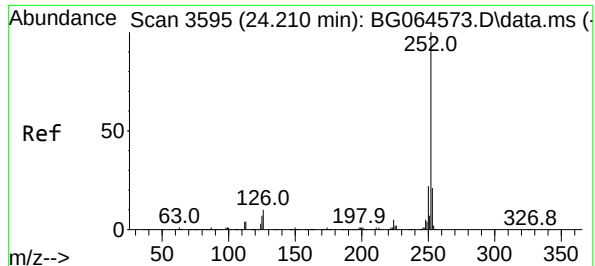
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#88
Benzo(b)fluoranthene
Concen: 43.108 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 252 Resp: 927550
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 7.0 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 41.878 ng

RT: 24.210 min Scan# 3595

Delta R.T. -0.009 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 901706

Ion Ratio Lower Upper

252 100

253 21.0 16.8 25.2

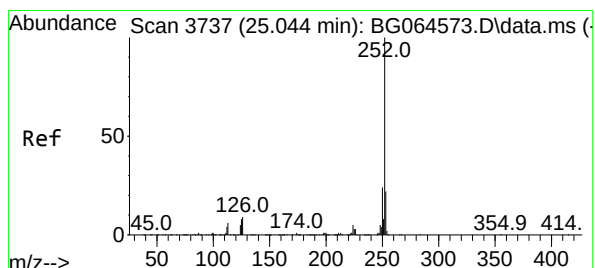
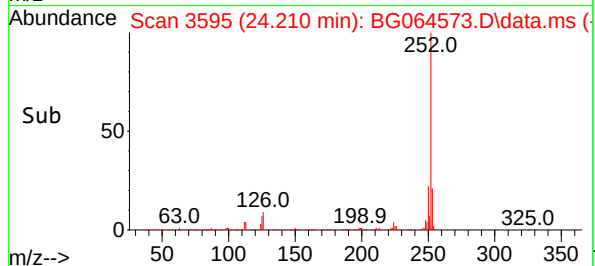
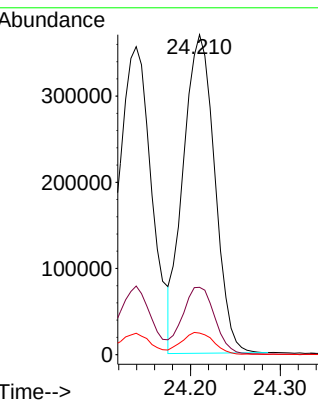
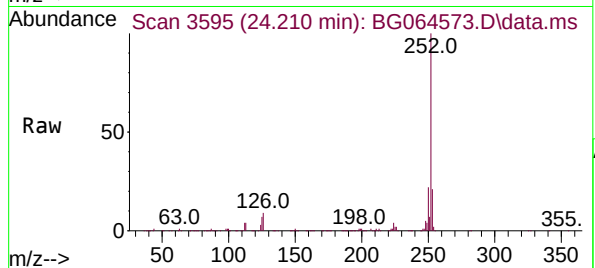
125 6.7 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 42.635 ng

RT: 25.044 min Scan# 3737

Delta R.T. -0.015 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

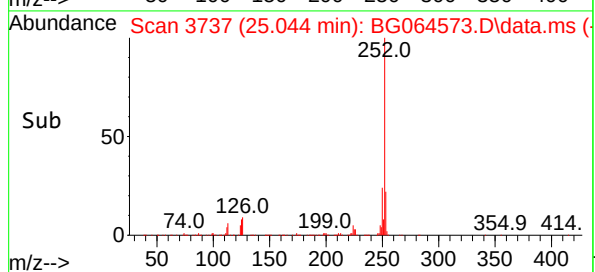
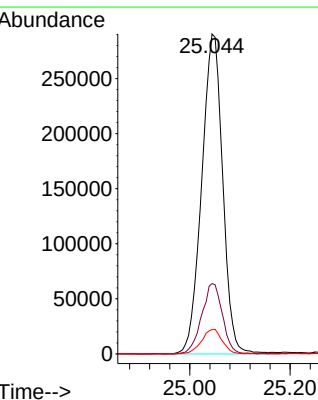
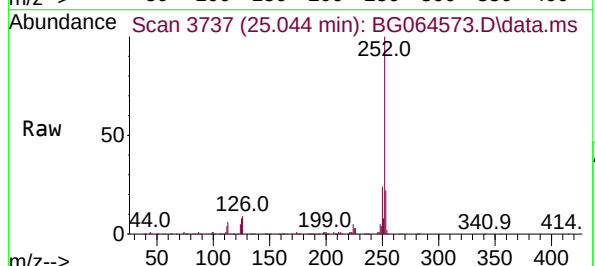
Tgt Ion:252 Resp: 843258

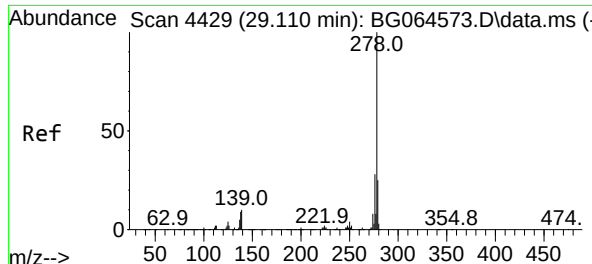
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 7.6 6.1 9.1





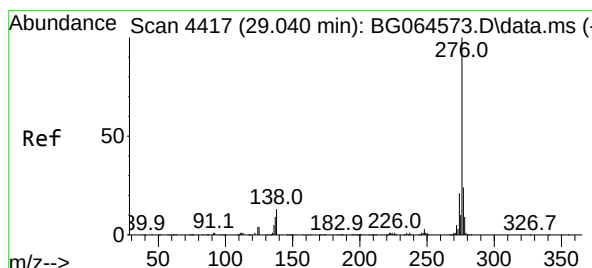
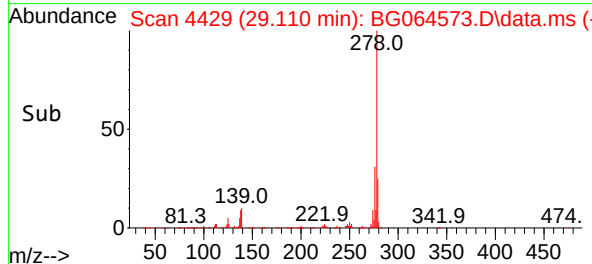
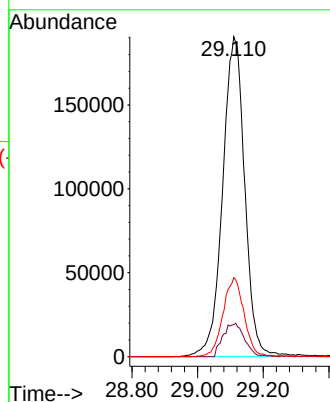
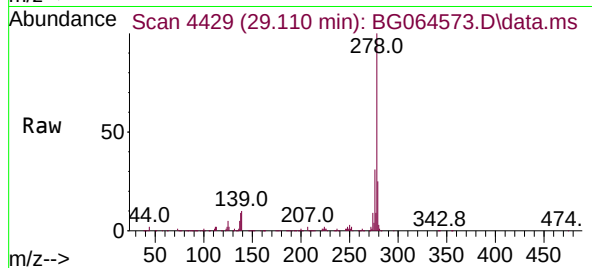
#91
Dibenzo(a,h)anthracene
Concen: 42.430 ng
RT: 29.110 min Scan# 4429
Delta R.T. -0.027 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 889808
Ion Ratio Lower Upper
278 100
139 10.0 8.0 12.0
279 24.7 19.8 29.6

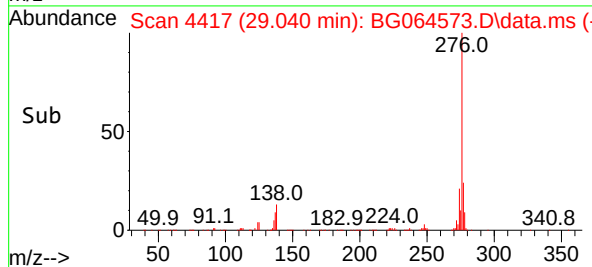
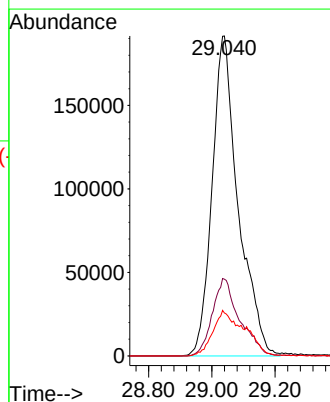
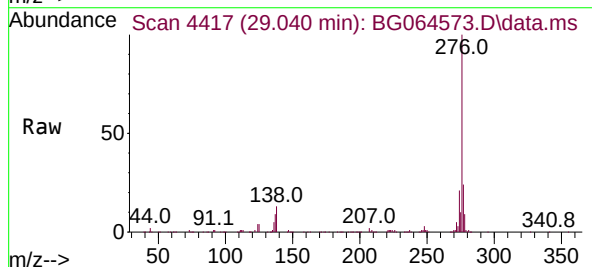
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 42.624 ng
RT: 29.040 min Scan# 4417
Delta R.T. -0.021 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 1100259
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 13.4 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:17 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	40271	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	168005	20.000	ng	0.00
39) Acenaphthene-d10	14.841	164	134994	20.000	ng	0.00
64) Phenanthrene-d10	17.579	188	324385	20.000	ng	0.00
76) Chrysene-d12	21.856	240	340896	20.000	ng	0.00
86) Perylene-d12	25.205	264	350916	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	318446	132.728	ng	0.00
7) Phenol-d6	7.355	99	450449	136.821	ng	0.00
23) Nitrobenzene-d5	9.388	82	406268	145.243	ng	0.00
42) 2,4,6-Tribromophenol	16.321	330	280190	143.807	ng	0.00
45) 2-Fluorobiphenyl	13.478	172	1120989	125.867	ng	0.00
79) Terphenyl-d14	20.176	244	2253704	124.763	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.589	88	67487	63.535	ng	98
3) Pyridine	4.001	79	209372	65.637	ng	98
4) n-Nitrosodimethylamine	3.907	42	111310	65.071	ng	94
6) Aniline	7.532	93	294791	65.803	ng	98
8) 2-Chlorophenol	7.779	128	176533	70.297	ng	98
9) Benzaldehyde	7.344	77	118559	65.963	ng	98
10) Phenol	7.379	94	244914	67.267	ng	98
11) bis(2-Chloroethyl)ether	7.532	93	294791	65.803	ng	99
12) 1,3-Dichlorobenzene	8.113	146	186290	64.452	ng	99
13) 1,4-Dichlorobenzene	8.254	146	188553	64.157	ng	95
14) 1,2-Dichlorobenzene	8.583	146	183593	64.766	ng	98
15) Benzyl Alcohol	8.448	79	185157	68.201	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.742	45	459295	65.410	ng	100
17) 2-Methylphenol	8.448	107	95860	70.639	ng	95
18) Hexachloroethane	9.324	117	67237	65.193	ng	99
19) n-Nitroso-di-n-propyla...	9.030	70	155683	68.424	ng	99
20) 3+4-Methylphenols	8.983	107	228995	67.359	ng	98
22) Acetophenone	9.048	105	297413	64.759	ng	# 96
24) Nitrobenzene	9.430	77	220774	72.567	ng	98
25) Isophorone	9.958	82	449298	66.940	ng	99
26) 2-Nitrophenol	10.146	139	76368	63.945	ng	98
27) 2,4-Dimethylphenol	10.193	122	181063m	71.099	ng	
28) bis(2-Chloroethoxy)met...	10.440	93	248699	65.078	ng	99
29) 2,4-Dichlorophenol	10.681	162	188233	70.056	ng	96
30) 1,2,4-Trichlorobenzene	10.904	180	200988	65.837	ng	95
31) Naphthalene	11.098	128	605239	64.976	ng	99
32) Benzoic acid	10.340	122	131162m	68.067	ng	
33) 4-Chloroaniline	11.192	127	245101	67.699	ng	98
34) Hexachlorobutadiene	11.392	225	154303	64.630	ng	97
35) Caprolactam	11.968	113	71319	69.206	ng	96
36) 4-Chloro-3-methylphenol	12.297	107	228833	70.853	ng	100
37) 2-Methylnaphthalene	12.690	142	447497	65.435	ng	98
38) 1-Methylnaphthalene	12.908	142	442677	65.785	ng	99
40) 1,2,4,5-Tetrachloroben...	13.055	216	290173	64.049	ng	100
41) Hexachlorocyclopentadiene	13.037	237	137727	67.540	ng	99
43) 2,4,6-Trichlorophenol	13.278	196	184771	71.299	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064574.D
 Acq On : 24 Oct 2025 13:44
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:17 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.354	196	209320	69.994	ng	96
46) 1,1'-Biphenyl	13.683	154	606860	63.233	ng	98
47) 2-Chloronaphthalene	13.730	162	463792	64.022	ng	98
48) 2-Nitroaniline	13.913	65	163796	66.052	ng	95
49) Acenaphthylene	14.571	152	739728	64.738	ng	100
50) Dimethylphthalate	14.289	163	688128	66.616	ng	99
51) 2,6-Dinitrotoluene	14.400	165	114588	65.951	ng	95
52) Acenaphthene	14.911	154	510499	65.392	ng	98
53) 3-Nitroaniline	14.729	138	131776	74.231	ng	91
54) 2,4-Dinitrophenol	14.929	184	66900	65.082	ng	# 75
55) Dibenzofuran	15.240	168	804964	63.779	ng	97
56) 4-Nitrophenol	15.017	139	114408	69.512	ng	97
57) 2,4-Dinitrotoluene	15.187	165	175802	65.522	ng	# 100
58) Fluorene	15.887	166	627437	63.656	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.458	232	205529	71.870	ng	99
60) Diethylphthalate	15.652	149	695924	65.982	ng	99
61) 4-Chlorophenyl-phenyle...	15.875	204	359759	65.038	ng	99
62) 4-Nitroaniline	15.893	138	143839	72.832	ng	98
63) Azobenzene	16.169	77	633520	65.464	ng	99
65) 4,6-Dinitro-2-methylph...	15.945	198	94338	64.046	ng	93
66) n-Nitrosodiphenylamine	16.086	169	577835	65.944	ng	99
67) 4-Bromophenyl-phenylether	16.768	248	256556	66.740	ng	100
68) Hexachlorobenzene	16.891	284	293831	67.001	ng	96
69) Atrazine	17.026	200	254070	67.378	ng	97
70) Pentachlorophenol	17.226	266	193954	70.923	ng	91
71) Phenanthrene	17.626	178	1147317	64.676	ng	99
72) Anthracene	17.714	178	1171223	64.905	ng	99
73) Carbazole	17.972	167	1000680	62.887	ng	99
74) Di-n-butylphthalate	18.536	149	1165396	63.334	ng	99
75) Fluoranthene	19.618	202	1364891	61.419	ng	98
77) Benzidine	19.782	184	544918	71.348	ng	99
78) Pyrene	19.976	202	1437669	64.549	ng	99
80) Butylbenzylphthalate	20.857	149	477358	70.914	ng	98
81) Benzo(a)anthracene	21.839	228	1462488	64.702	ng	99
82) 3,3'-Dichlorobenzidine	21.739	252	497174	65.868	ng	99
83) Chrysene	21.909	228	1389821	64.621	ng	98
84) Bis(2-ethylhexyl)phtha...	21.750	149	681649	67.768	ng	98
85) Di-n-octyl phthalate	23.014	149	1142651	67.379	ng	100
87) Indeno(1,2,3-cd)pyrene	29.048	276	1729035	66.979	ng	98
88) Benzo(b)fluoranthene	24.142	252	1424640	66.207	ng	99
89) Benzo(k)fluoranthene	24.218	252	1436312	66.703	ng	99
90) Benzo(a)pyrene	25.052	252	1311701	66.315	ng	100
91) Dibenzo(a,h)anthracene	29.124	278	1394234	66.479	ng	99
92) Benzo(g,h,i)perylene	29.048	276	1729035	66.979	ng	98

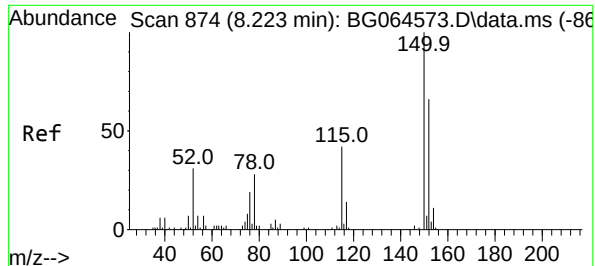
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

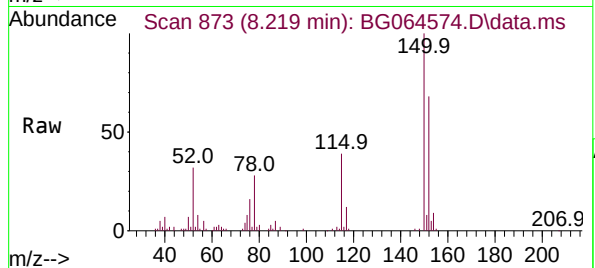
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

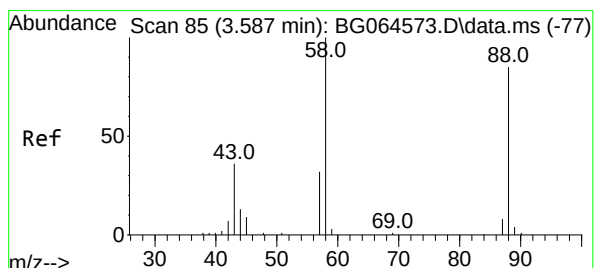
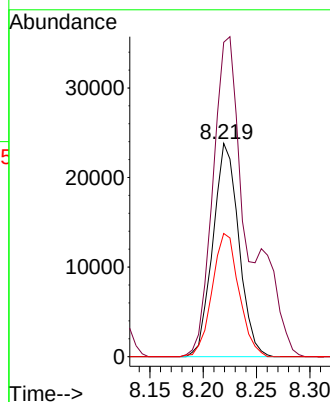
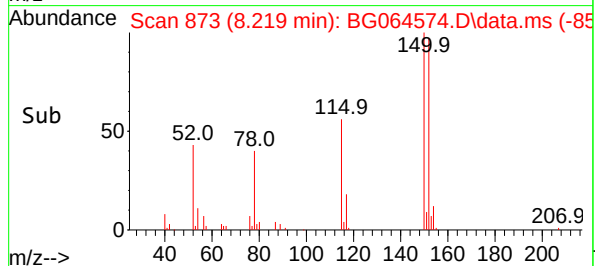
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:152 Resp: 4027
Ion Ratio Lower Upper
152 100
150 147.4 122.2 183.4
115 57.8 50.8 76.2

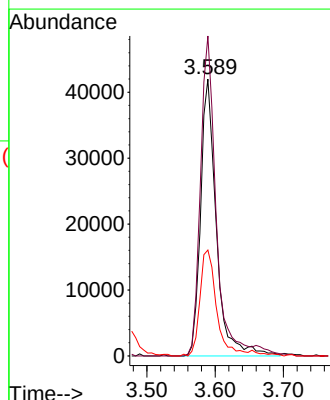
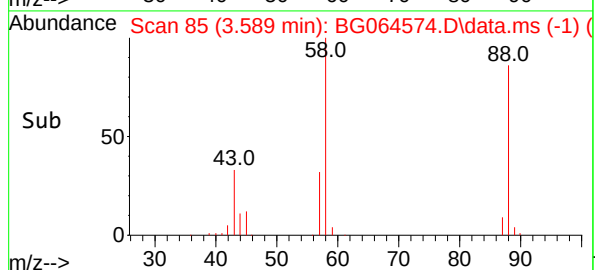
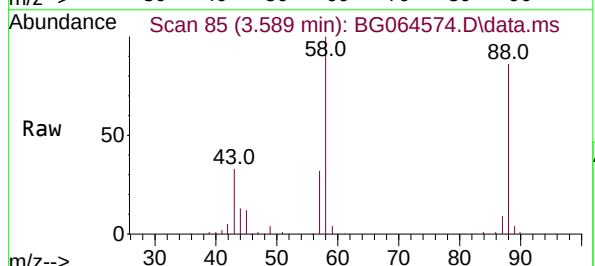
Manual Integrations
APPROVED

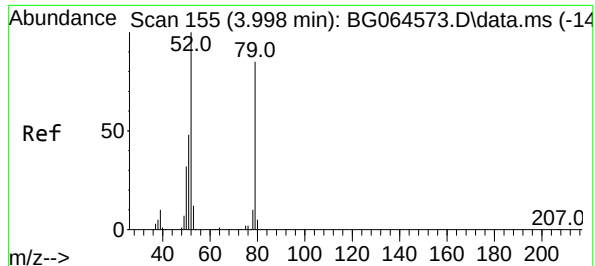
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#2
1,4-Dioxane
Concen: 63.535 ng
RT: 3.589 min Scan# 85
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

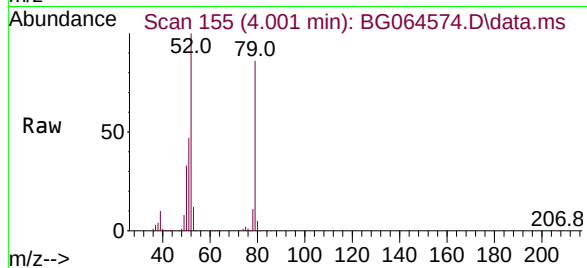
Tgt Ion: 88 Resp: 67487
Ion Ratio Lower Upper
88 100
58 113.3 92.4 138.6
43 40.0 33.0 49.6





#3
Pyridine
Concen: 65.637 ng
RT: 4.001 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

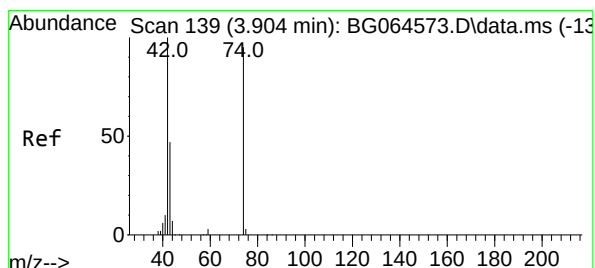
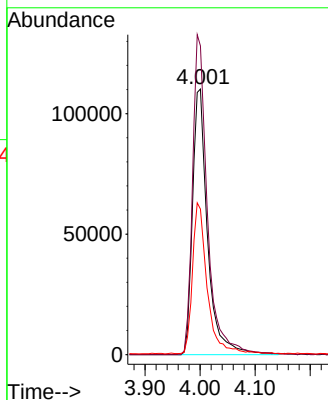
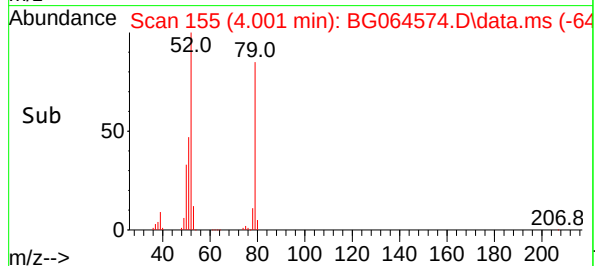
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion: 79 Resp: 209372
Ion Ratio Lower Upper
79 100
52 116.3 94.2 141.2
51 54.8 46.1 69.1

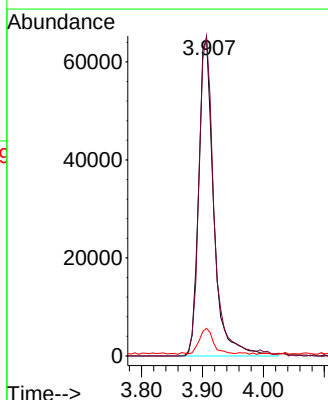
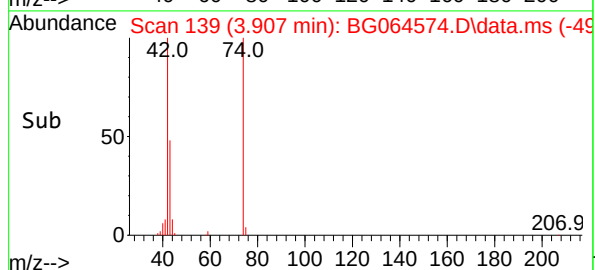
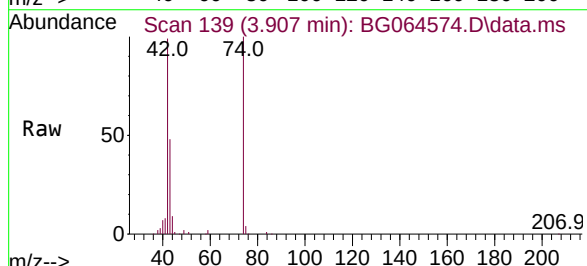
Manual Integrations
APPROVED

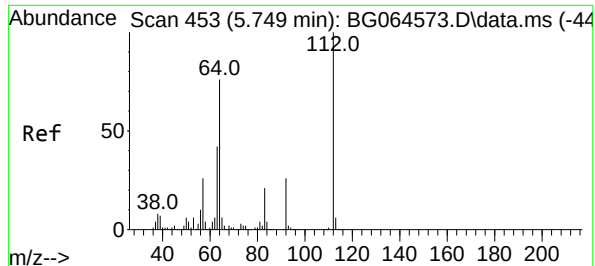
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#4
n-Nitrosodimethylamine
Concen: 65.071 ng
RT: 3.907 min Scan# 139
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

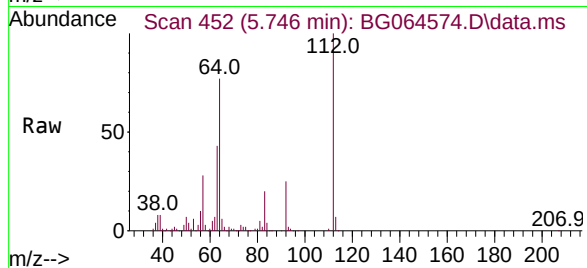
Tgt Ion: 42 Resp: 111310
Ion Ratio Lower Upper
42 100
74 100.7 76.1 114.1
44 8.7 6.3 9.5





#5
2-Fluorophenol
Concen: 132.728 ng
RT: 5.746 min Scan# 453
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

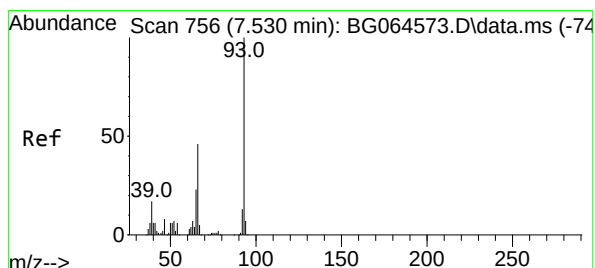
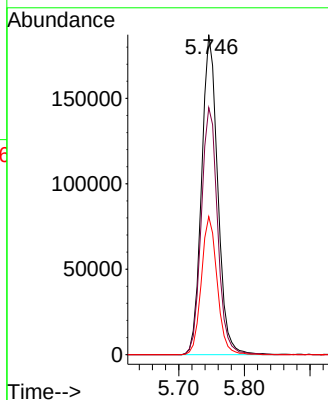
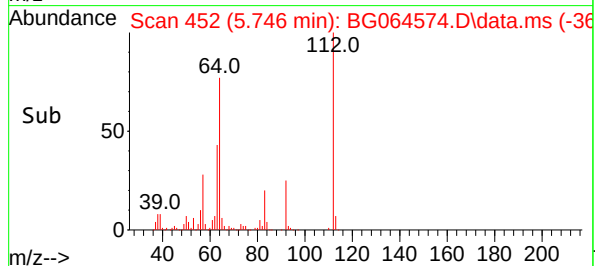
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion: 112 Resp: 318446
Ion Ratio Lower Upper
112 100
64 77.2 60.7 91.1
63 43.1 33.4 50.0

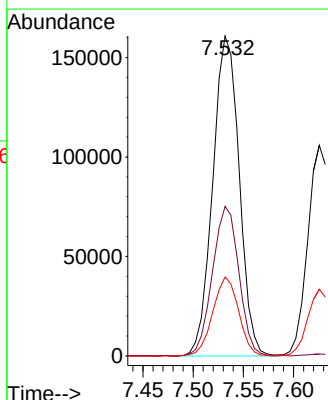
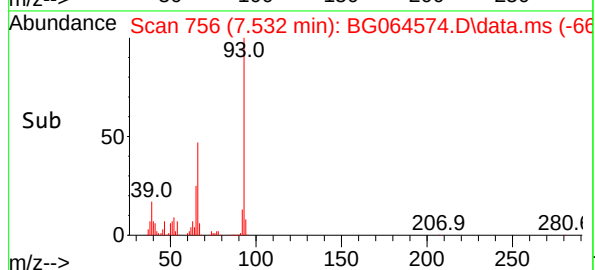
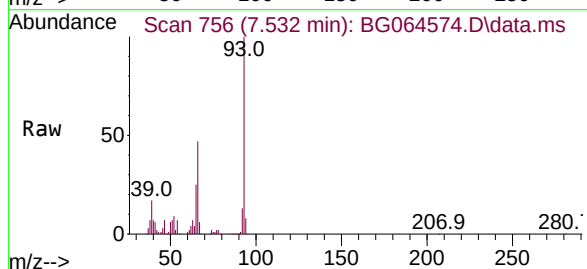
Manual Integrations
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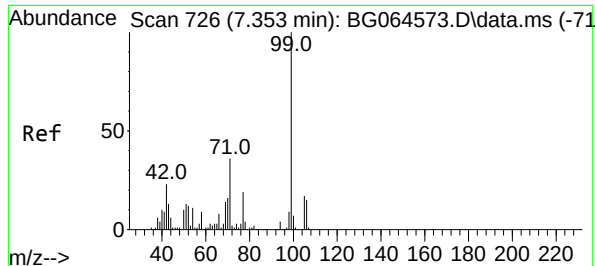
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 65.803 ng
RT: 7.532 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

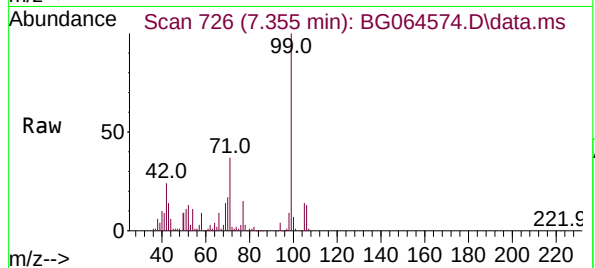
Tgt Ion: 93 Resp: 294791
Ion Ratio Lower Upper
93 100
66 46.7 37.0 55.6
65 24.7 18.3 27.5





#7
Phenol-d6
Concen: 136.821 ng
RT: 7.355 min Scan# 726
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

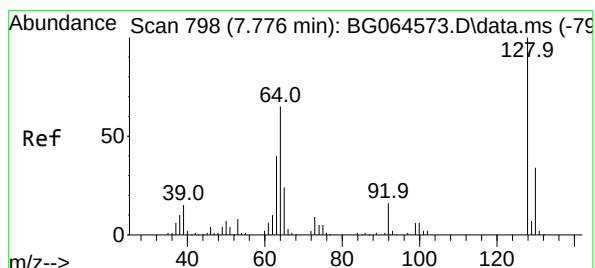
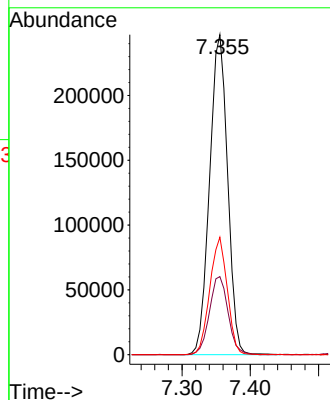
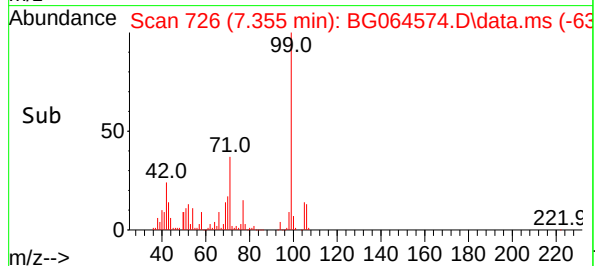
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion: 99 Resp: 450449
Ion Ratio Lower Upper
99 100
42 24.4 18.3 27.5
71 36.7 28.6 43.0

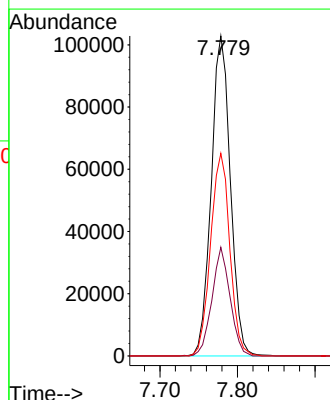
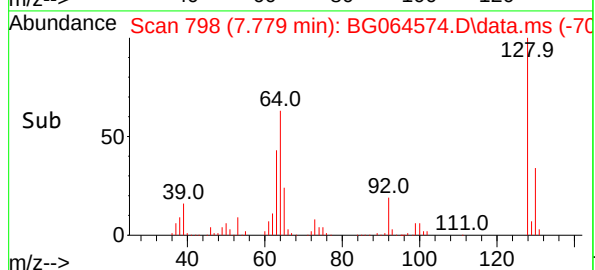
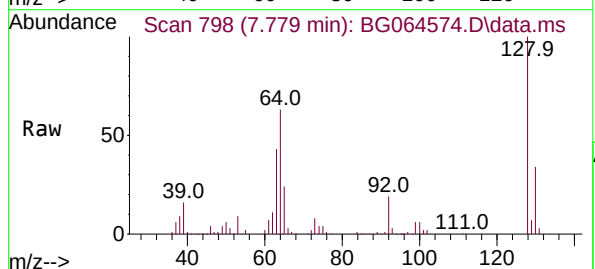
Manual Integrations
APPROVED

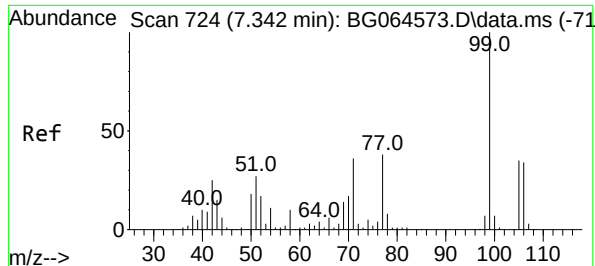
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#8
2-Chlorophenol
Concen: 70.297 ng
RT: 7.779 min Scan# 798
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

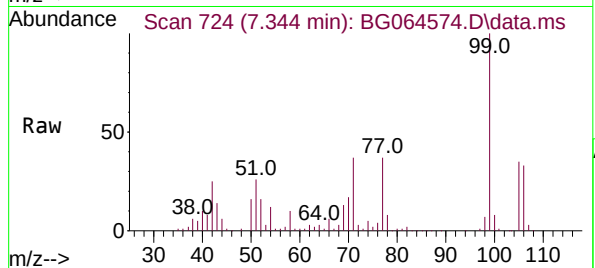
Tgt Ion:128 Resp: 176533
Ion Ratio Lower Upper
128 100
130 33.9 13.5 53.5
64 63.3 45.2 85.2





#9
Benzaldehyde
Concen: 65.963 ng
RT: 7.344 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

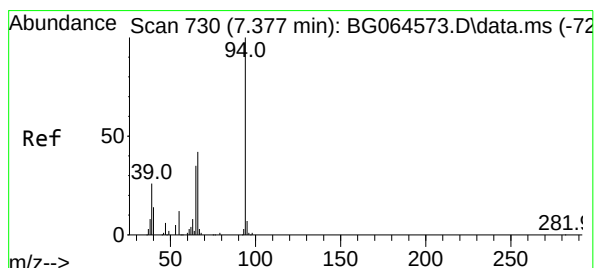
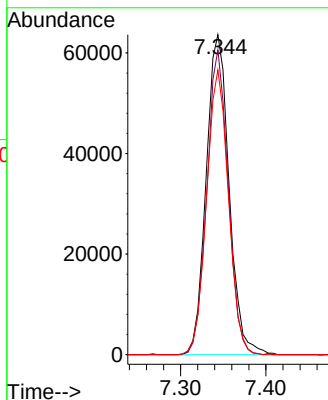
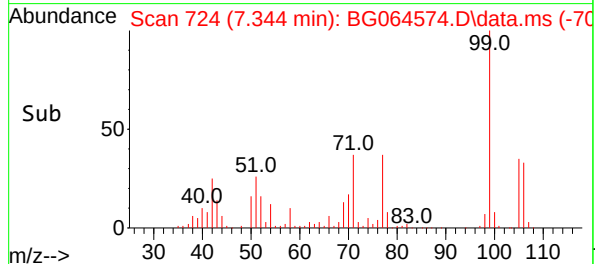
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



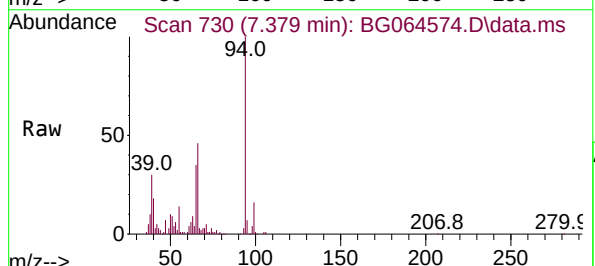
Tgt Ion: 77 Resp: 118559
Ion Ratio Lower Upper
77 100
105 95.2 72.9 112.9
106 89.0 70.8 110.8

Manual Integrations
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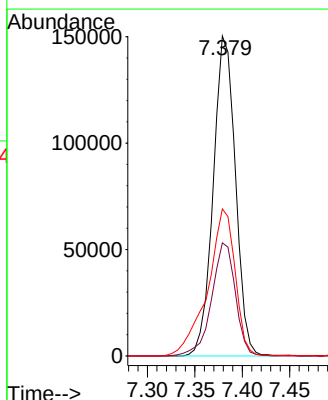
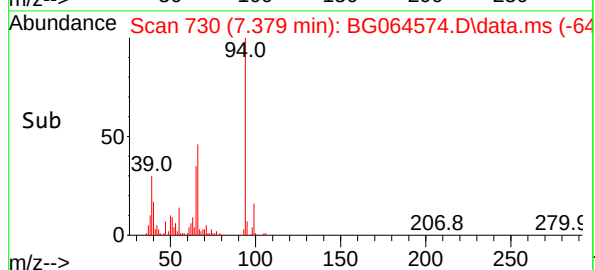
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

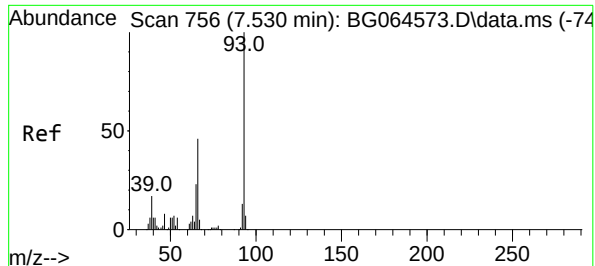


#10
Phenol
Concen: 67.267 ng
RT: 7.379 min Scan# 730
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



Tgt Ion: 94 Resp: 244914
Ion Ratio Lower Upper
94 100
65 35.3 15.8 55.8
66 45.9 24.0 64.0





#11

bis(2-Chloroethyl)ether

Concen: 65.803 ng

RT: 7.532 min Scan# 756

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion: 93 Resp: 29479

Ion Ratio Lower Upper

93 100

63 7.2 0.0 27.4

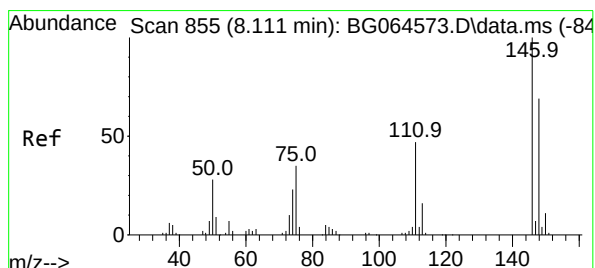
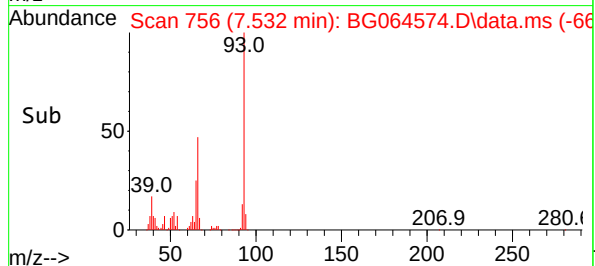
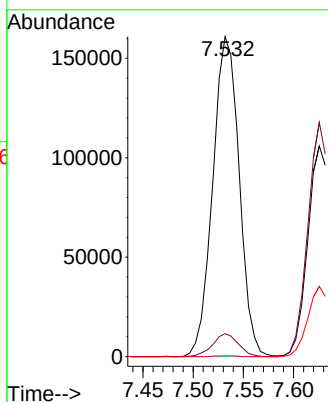
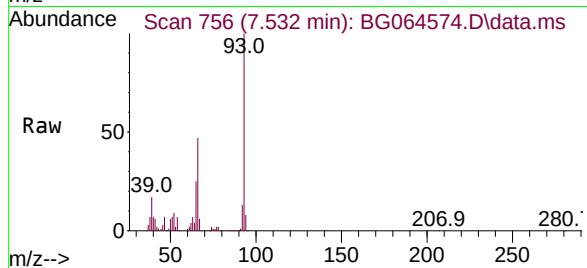
95 0.2 0.0 20.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#12

1,3-Dichlorobenzene

Concen: 64.452 ng

RT: 8.113 min Scan# 855

Delta R.T. 0.005 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

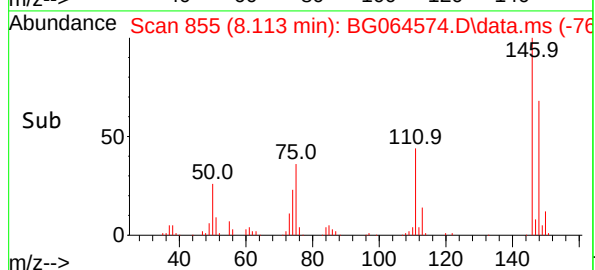
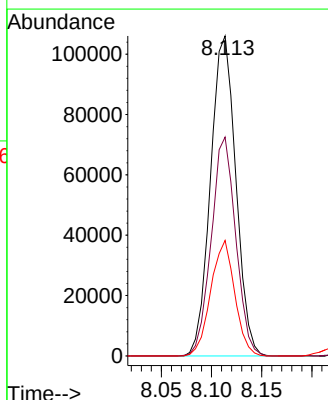
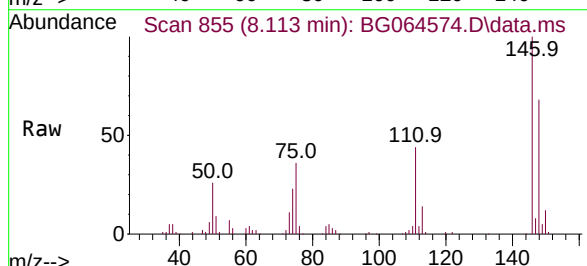
Tgt Ion:146 Resp: 186290

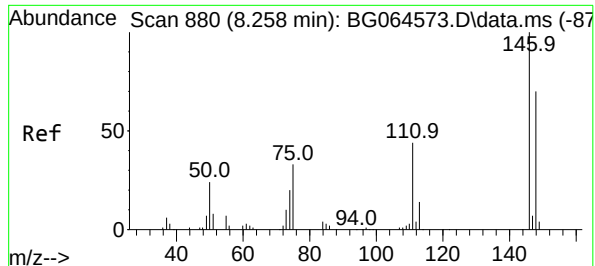
Ion Ratio Lower Upper

146 100

148 68.4 55.3 82.9

75 36.1 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 64.157 ng

RT: 8.254 min Scan# 81

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 188553

Ion Ratio Lower Upper

146 100

148 65.5 56.2 84.4

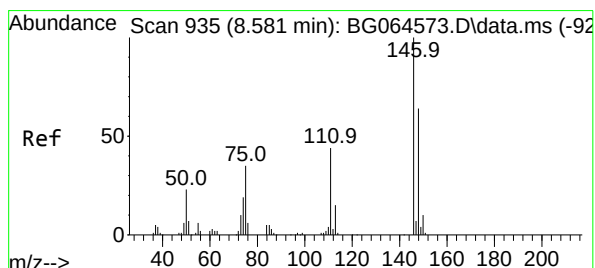
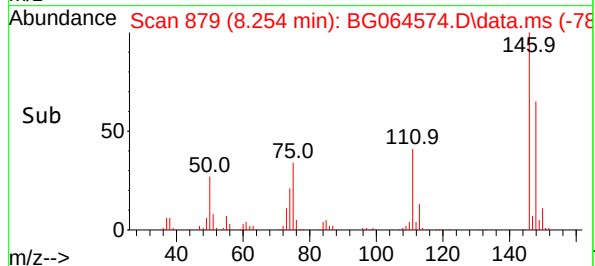
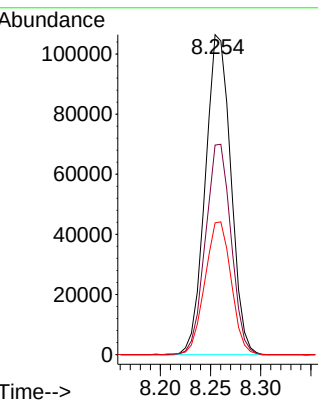
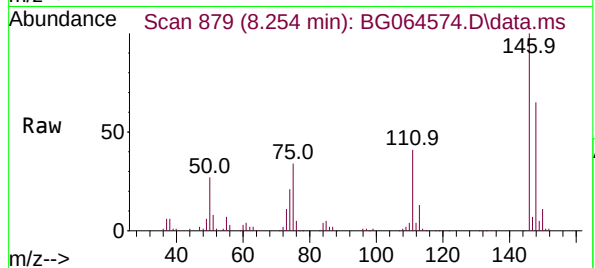
111 41.2 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 64.766 ng

RT: 8.583 min Scan# 935

Delta R.T. 0.005 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

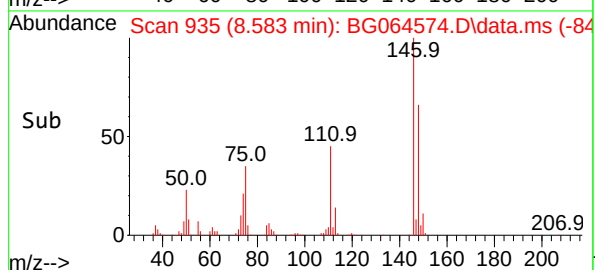
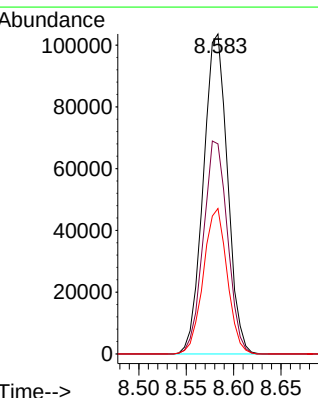
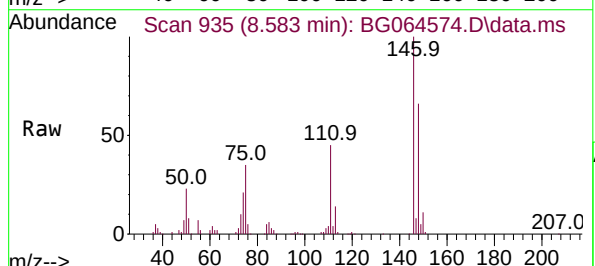
Tgt Ion:146 Resp: 183593

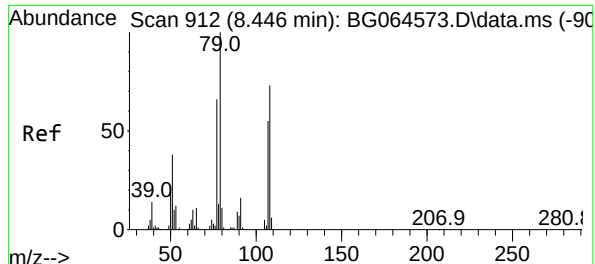
Ion Ratio Lower Upper

146 100

148 65.6 51.5 77.3

111 45.4 35.0 52.6





#15

Benzyl Alcohol

Concen: 68.201 ng

RT: 8.448 min Scan# 912

Delta R.T. -0.007 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 18515

Ion Ratio Lower Upper

79 100

108 71.1 58.1 87.1

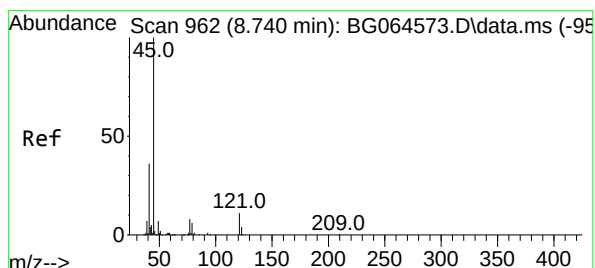
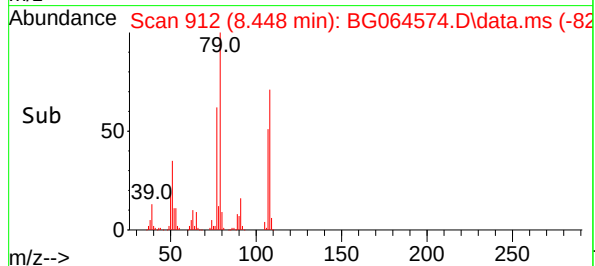
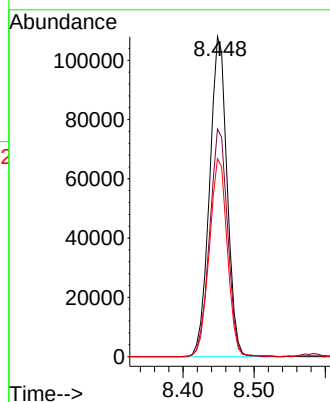
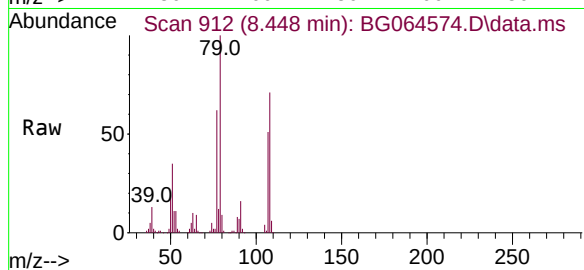
77 61.8 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 65.410 ng

RT: 8.742 min Scan# 962

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

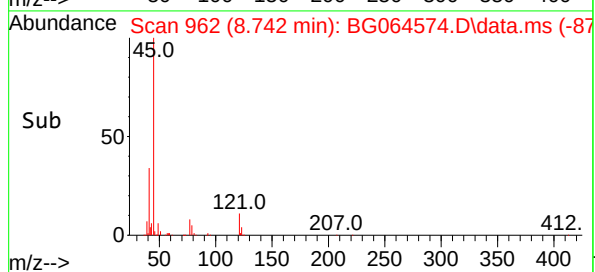
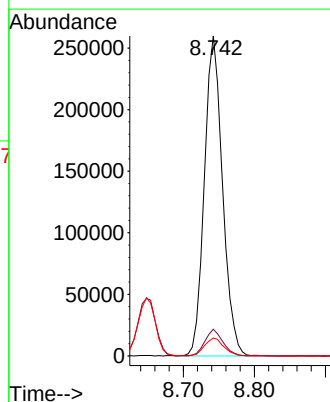
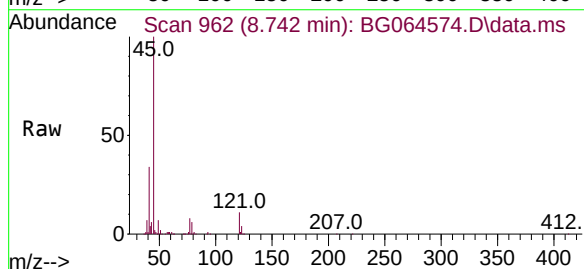
Tgt Ion: 45 Resp: 459295

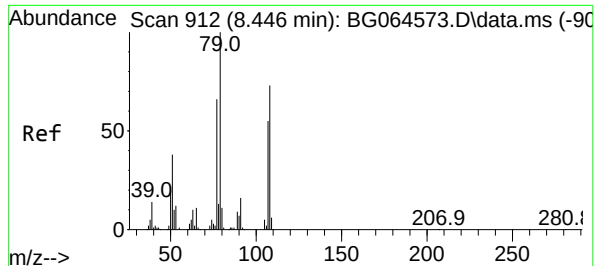
Ion Ratio Lower Upper

45 100

77 8.3 0.0 28.5

79 5.6 0.0 25.6





#17

2-Methylphenol

Concen: 70.639 ng

RT: 8.448 min Scan# 912

Delta R.T. -0.001 min

Lab File: BG064574.D

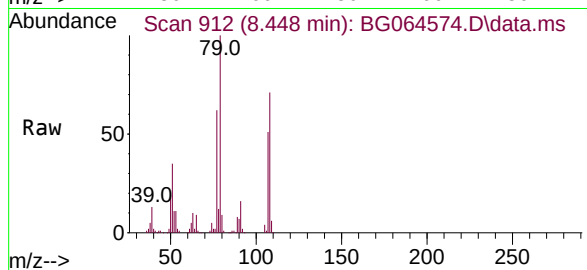
Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060



Tgt Ion:107 Resp: 95860

Ion Ratio Lower Upper

107 100

108 139.2 106.4 159.6

77 121.0 96.7 145.1

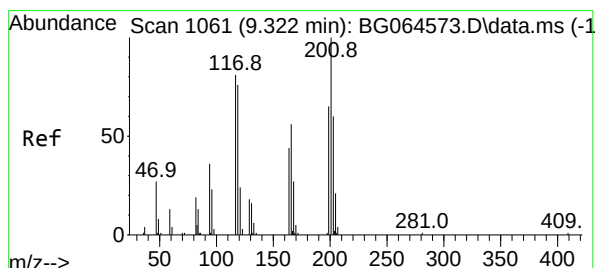
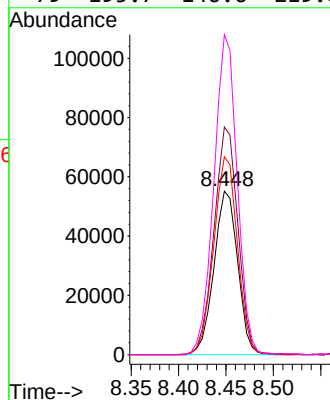
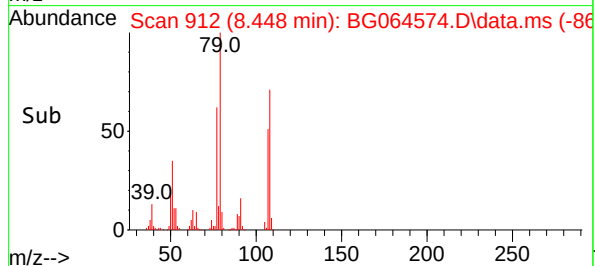
79 195.7 146.6 219.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

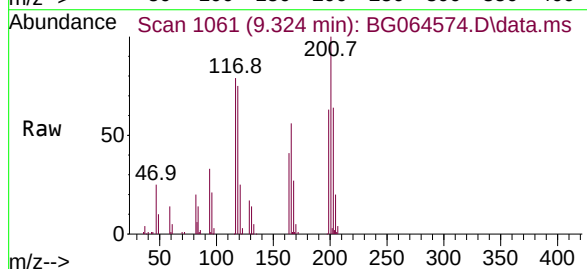
Concen: 65.193 ng

RT: 9.324 min Scan# 1061

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44



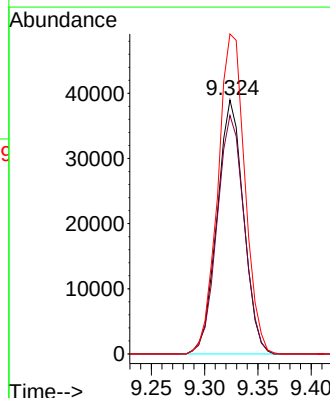
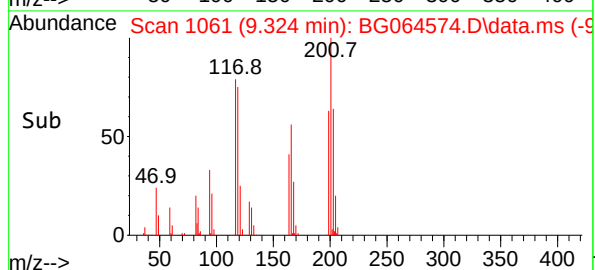
Tgt Ion:117 Resp: 67237

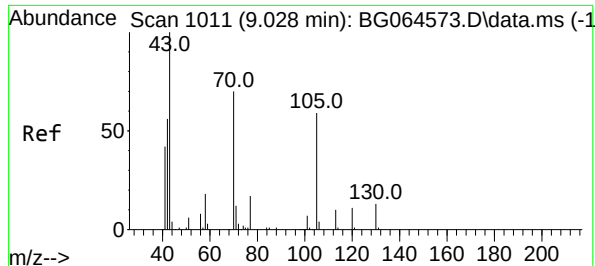
Ion Ratio Lower Upper

117 100

119 93.9 75.4 113.2

201 126.1 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 68.424 ng

RT: 9.030 min Scan# 1011

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDIC060

Tgt Ion: 70 Resp: 155683

Ion Ratio Lower Upper

70 100

42 80.9 65.2 97.8

101 9.4 7.9 11.9

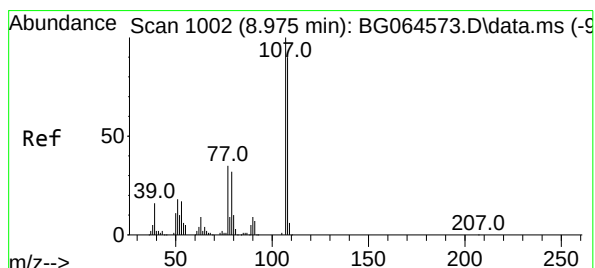
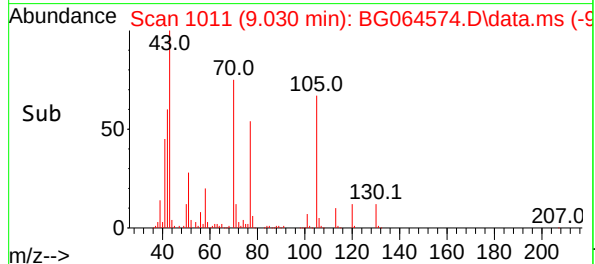
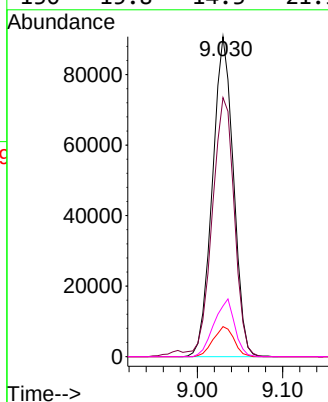
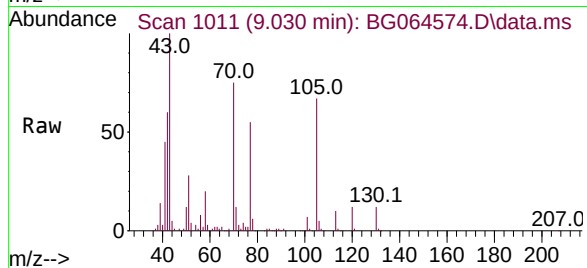
130 15.8 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 67.359 ng

RT: 8.983 min Scan# 1003

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 228995

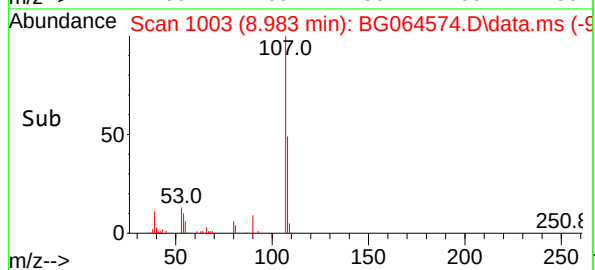
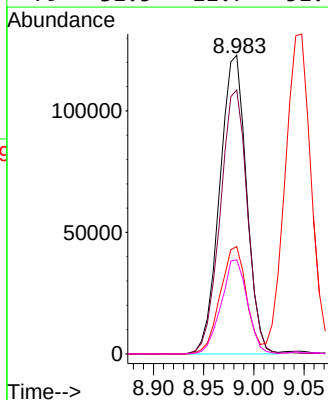
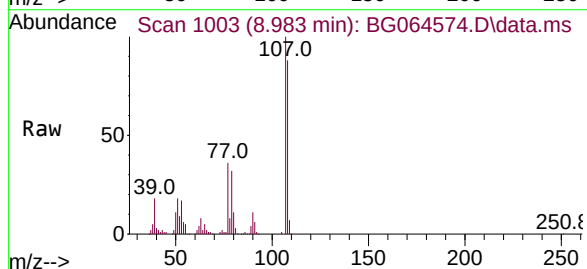
Ion Ratio Lower Upper

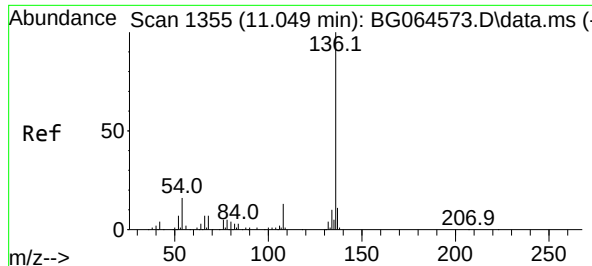
107 100

108 88.4 70.3 110.3

77 35.9 14.6 54.6

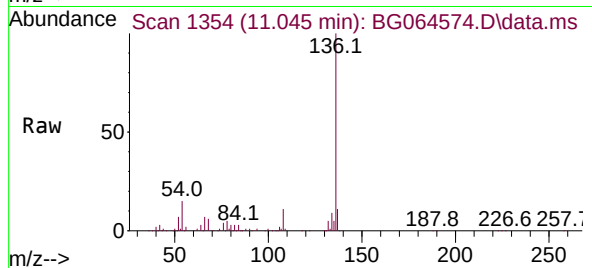
79 31.5 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1355
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

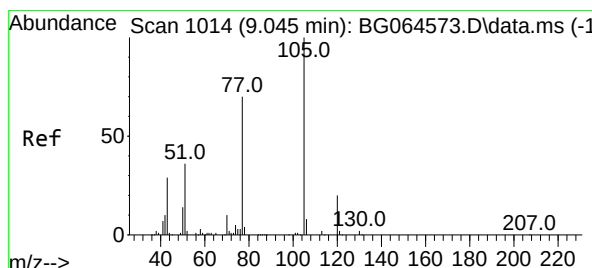
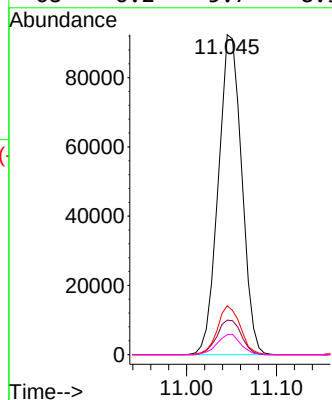
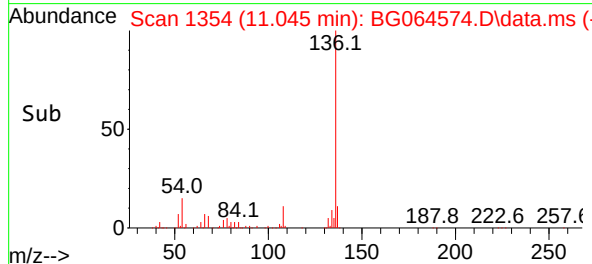
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 168005
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 15.3 12.6 19.0
68 6.2 5.7 8.5

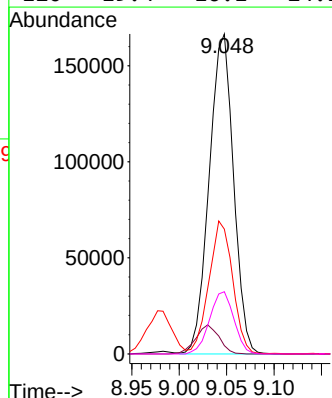
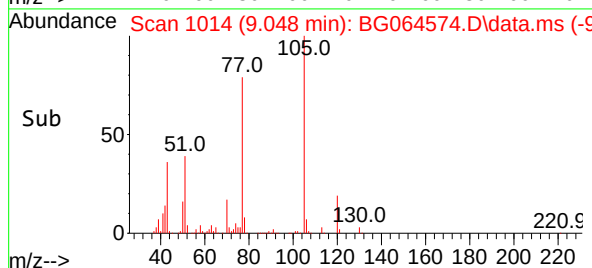
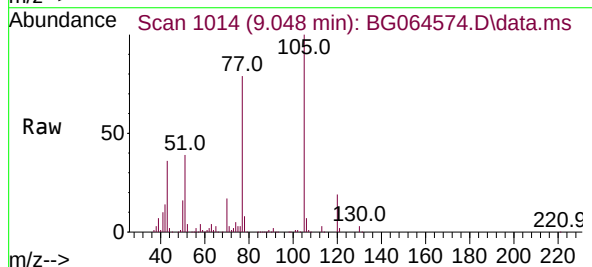
Manual Integrations
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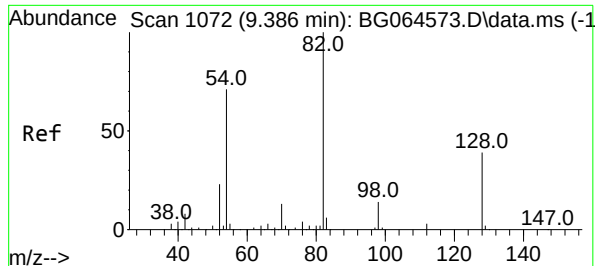
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#22
Acetophenone
Concen: 64.759 ng
RT: 9.048 min Scan# 1014
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:105 Resp: 297413
Ion Ratio Lower Upper
105 100
71 2.6 1.5 2.3#
51 39.0 33.7 50.5
120 19.4 16.1 24.1





#23

Nitrobenzene-d5

Concen: 145.243 ng

RT: 9.388 min Scan# 1072

Delta R.T. -0.002 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 406268

Ion Ratio Lower Upper

82 100

128 38.5 31.3 46.9

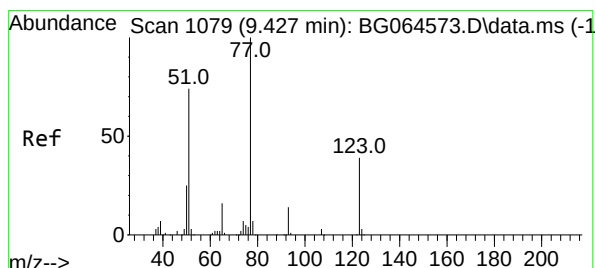
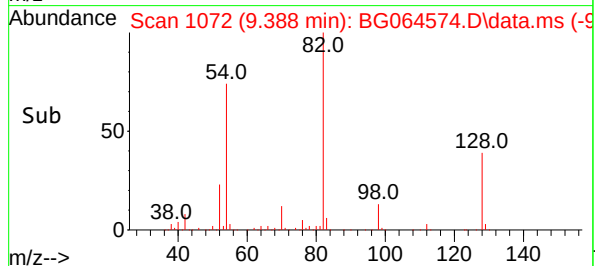
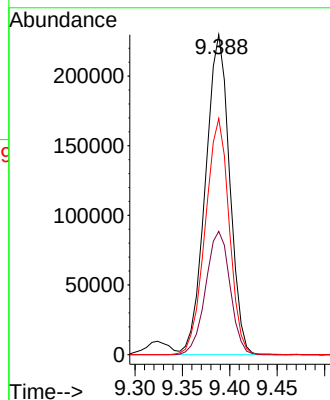
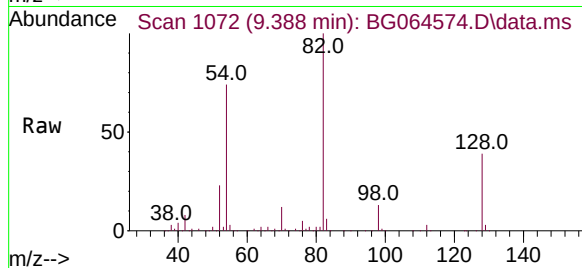
54 73.8 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 72.567 ng

RT: 9.430 min Scan# 1079

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

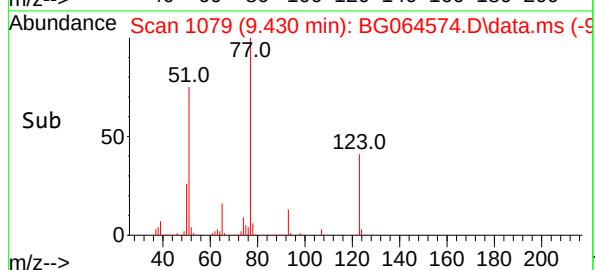
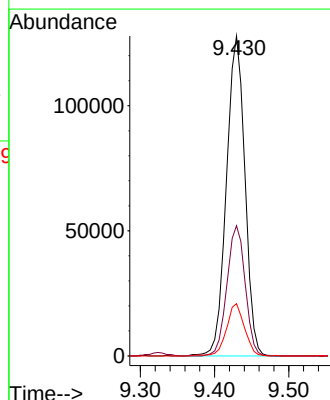
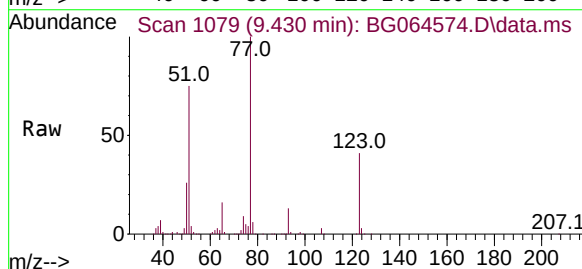
Tgt Ion: 77 Resp: 220774

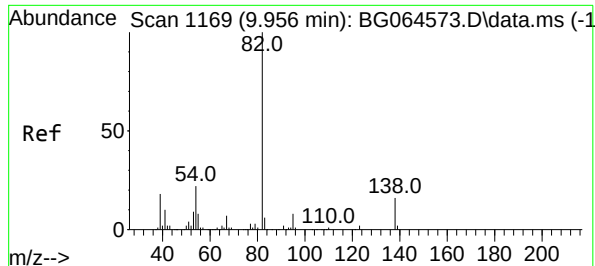
Ion Ratio Lower Upper

77 100

123 40.7 31.0 46.6

65 16.3 12.7 19.1





#25

Isophorone

Concen: 66.940 ng

RT: 9.958 min Scan# 1169

Delta R.T. -0.008 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

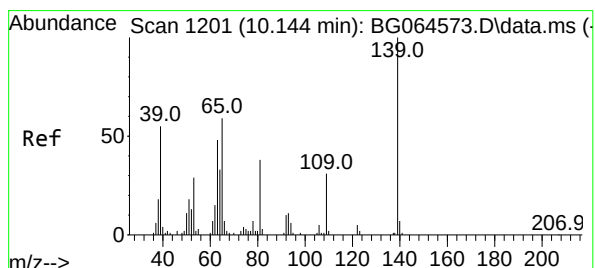
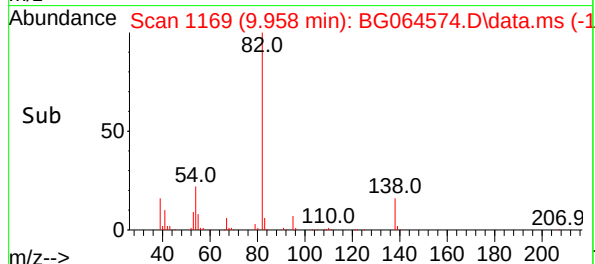
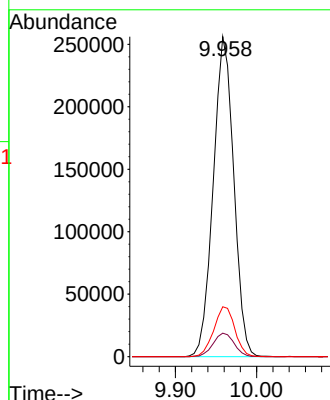
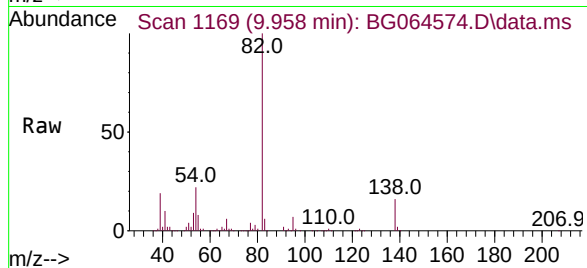
SSTDICC060

Tgt Ion: 82 Resp: 449298
Ion Ratio Lower Upper
82 100
95 7.3 6.1 9.1
138 15.6 13.0 19.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#26

2-Nitrophenol

Concen: 63.945 ng

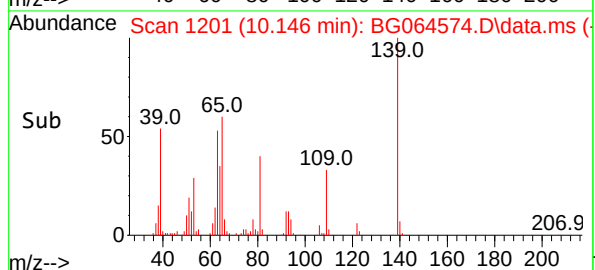
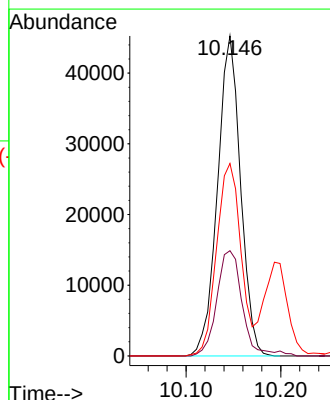
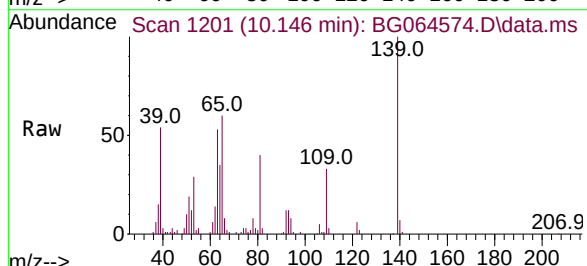
RT: 10.146 min Scan# 1201

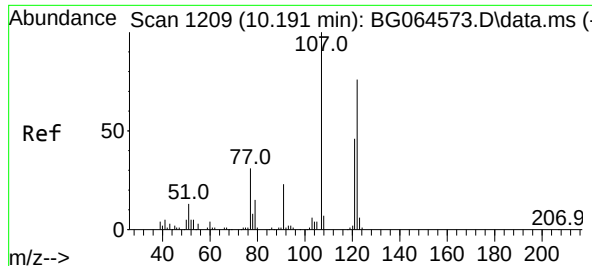
Delta R.T. -0.002 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Tgt Ion:139 Resp: 76368
Ion Ratio Lower Upper
139 100
109 32.9 24.6 37.0
65 60.1 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 71.099 ng m

RT: 10.193 min Scan# 1209

Delta R.T. -0.001 min

Lab File: BG064574.D

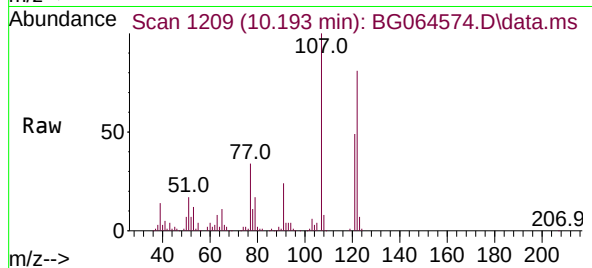
Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060



Tgt Ion:122 Resp: 181063

Ion Ratio Lower Upper

122 100

107 123.8 103.0 154.4

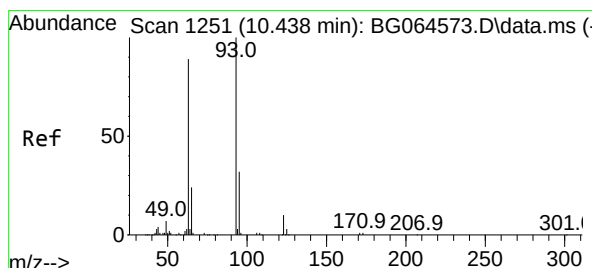
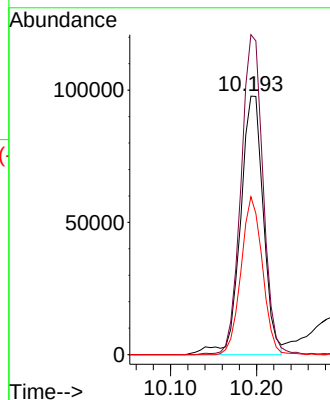
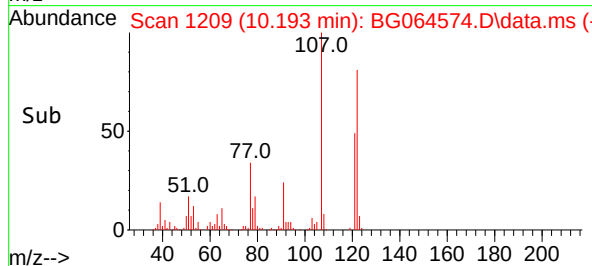
121 61.1 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#28

bis(2-Chloroethoxy)methane

Concen: 65.078 ng

RT: 10.440 min Scan# 1251

Delta R.T. 0.005 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

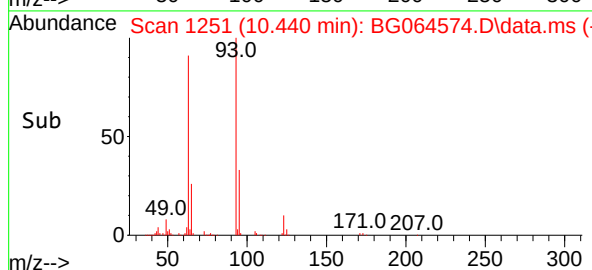
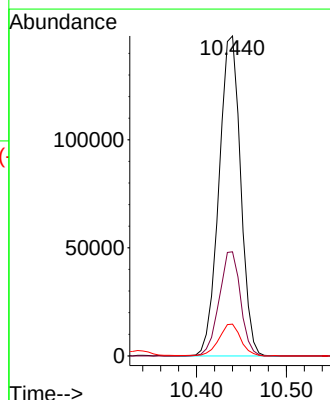
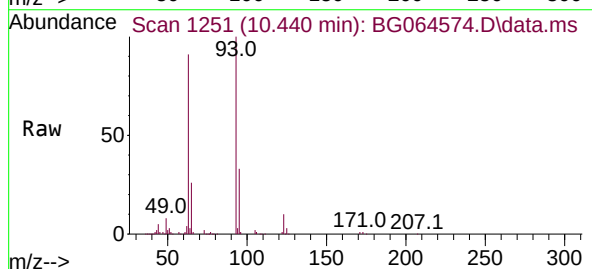
Tgt Ion: 93 Resp: 248699

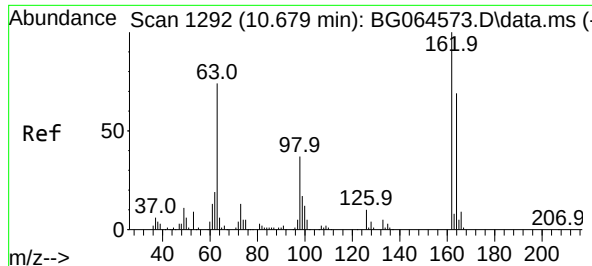
Ion Ratio Lower Upper

93 100

95 32.5 25.4 38.2

123 9.9 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 70.056 ng

RT: 10.681 min Scan# 1292

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 188233

Ion Ratio Lower Upper

162 100

164 64.9 48.7 88.7

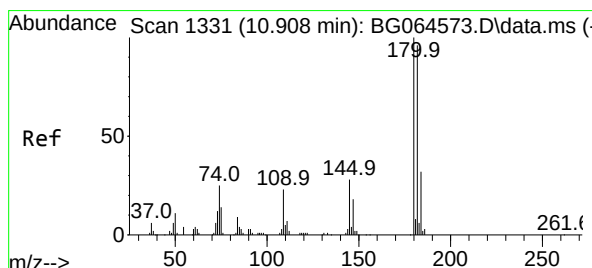
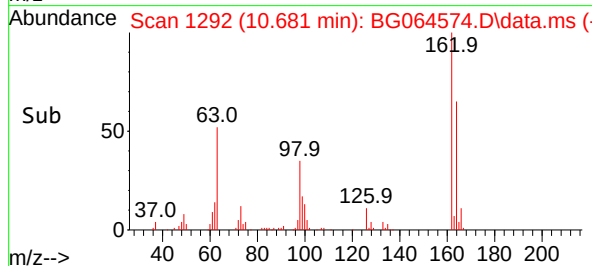
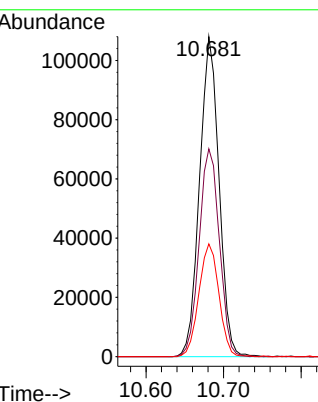
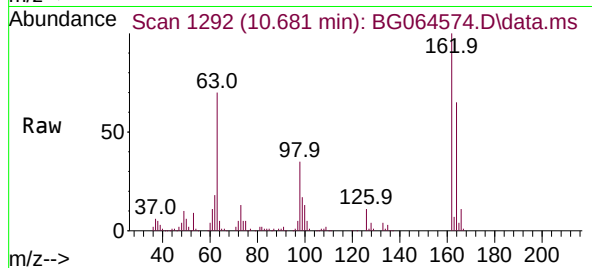
98 35.2 16.9 56.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 65.837 ng

RT: 10.904 min Scan# 1330

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

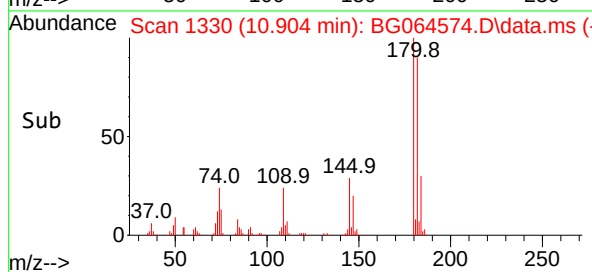
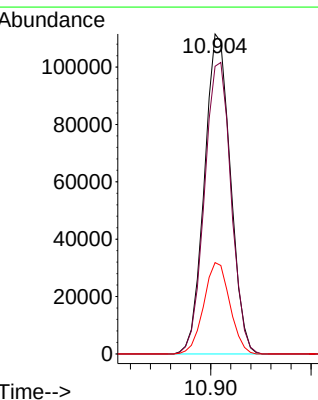
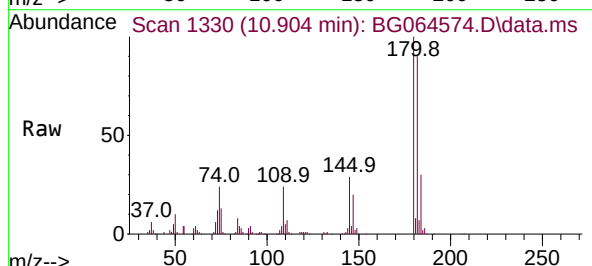
Tgt Ion:180 Resp: 200988

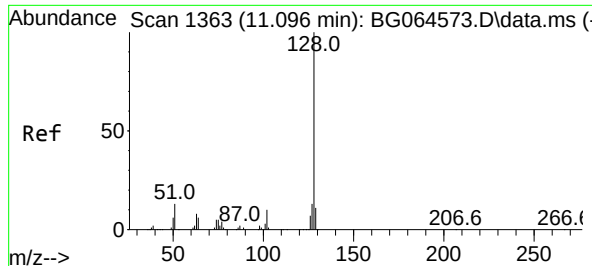
Ion Ratio Lower Upper

180 100

182 89.9 76.9 115.3

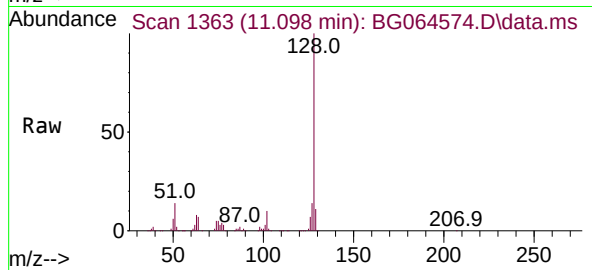
145 28.5 22.1 33.1





#31
Naphthalene
Concen: 64.976 ng
RT: 11.098 min Scan# 1363
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

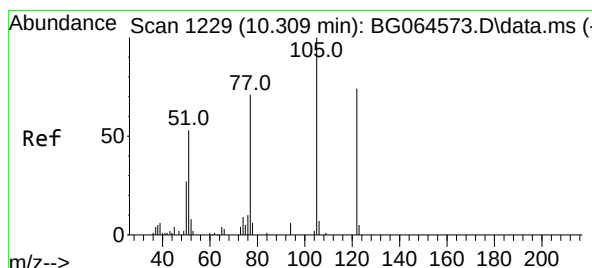
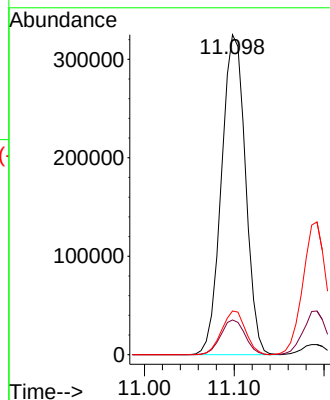
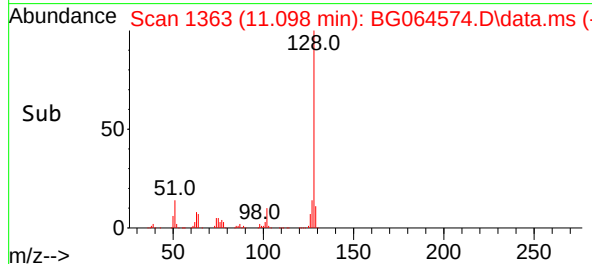
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:128 Resp: 605239
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.6 10.6 15.8

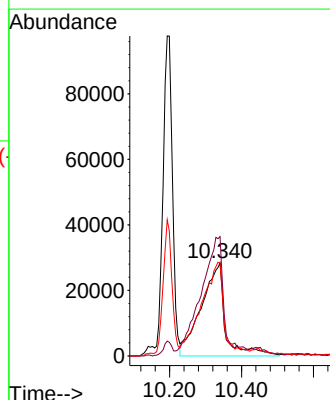
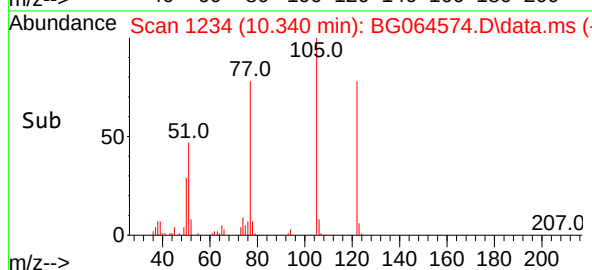
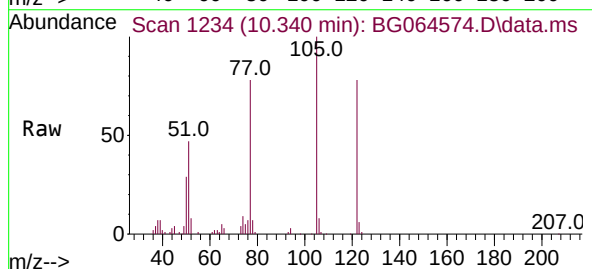
Manual Integrations
APPROVED

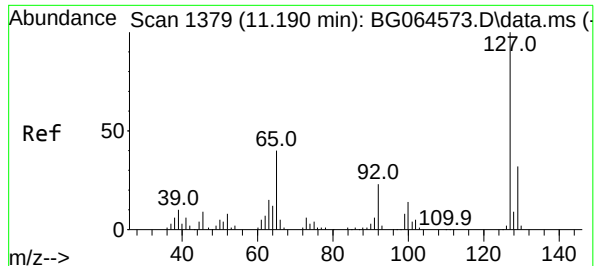
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 68.067 ng m
RT: 10.340 min Scan# 1234
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

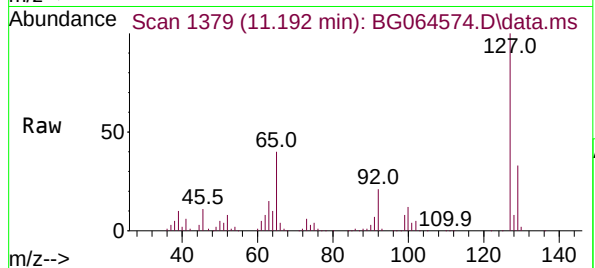
Tgt Ion:122 Resp: 131162
Ion Ratio Lower Upper
122 100
105 128.3 104.2 144.2
77 99.8 70.2 110.2





#33
4-Chloroaniline
Concen: 67.699 ng
RT: 11.192 min Scan# 1379
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

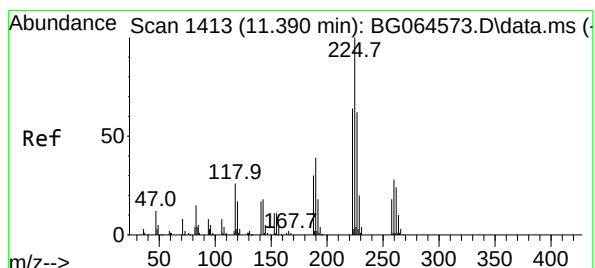
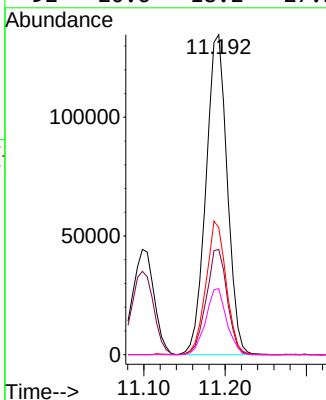
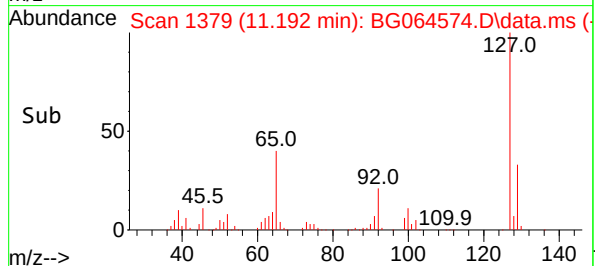
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



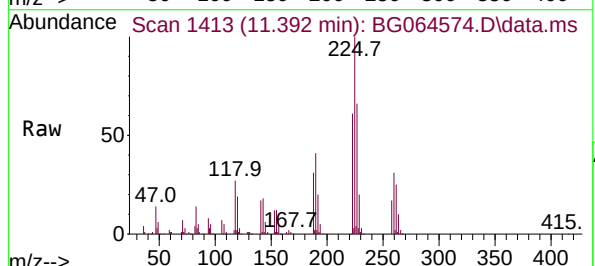
Tgt Ion:127 Resp: 245101
Ion Ratio Lower Upper
127 100
129 32.9 25.5 38.3
65 39.7 32.2 48.4
92 20.6 18.2 27.2

Manual Integrations
APPROVED

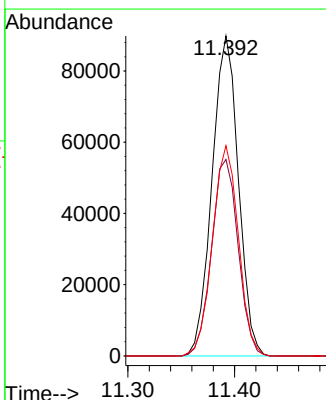
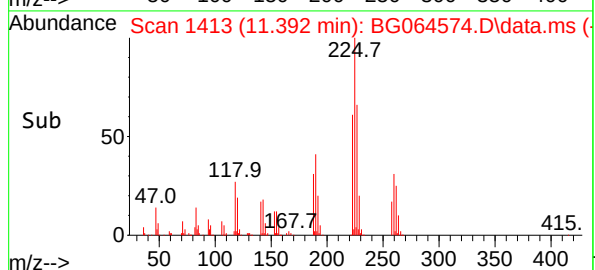
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

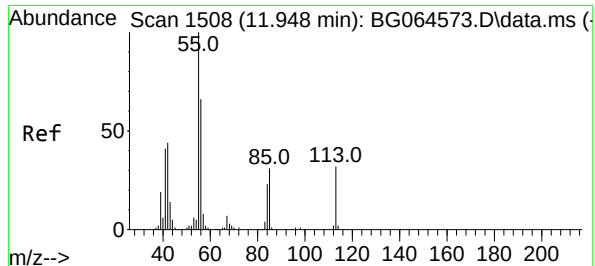


#34
Hexachlorobutadiene
Concen: 64.630 ng
RT: 11.392 min Scan# 1413
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



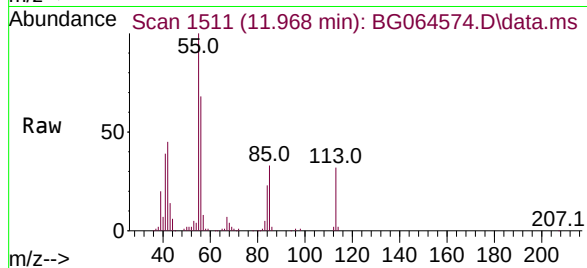
Tgt Ion:225 Resp: 154303
Ion Ratio Lower Upper
225 100
223 61.4 48.8 73.2
227 65.7 49.5 74.3





#35
Caprolactam
Concen: 69.206 ng
RT: 11.968 min Scan# 1511
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

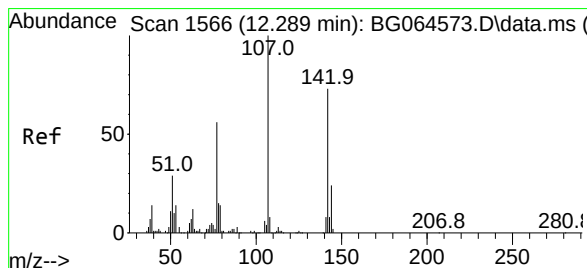
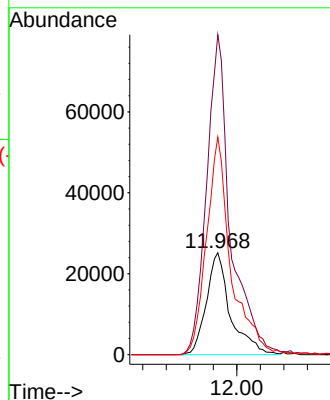
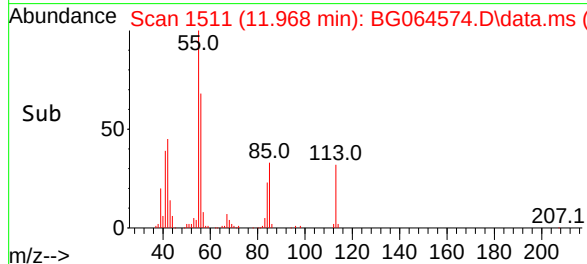
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:113 Resp: 71319
Ion Ratio Lower Upper
113 100
55 314.3 290.1 330.1
56 213.7 183.8 223.8

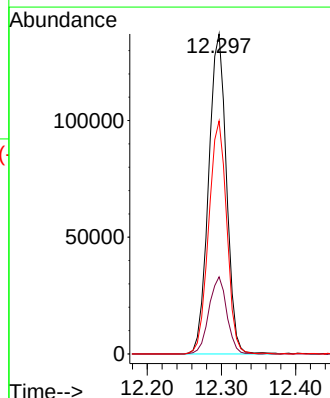
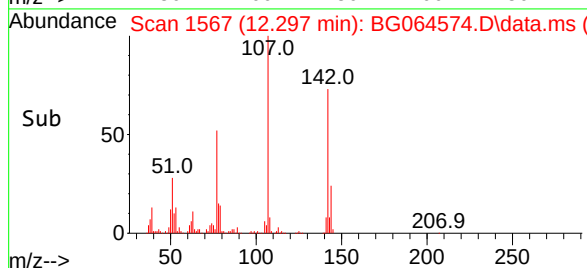
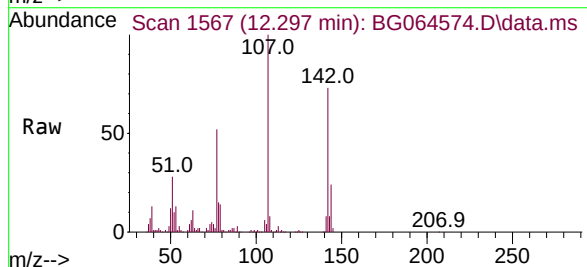
Manual Integrations
APPROVED

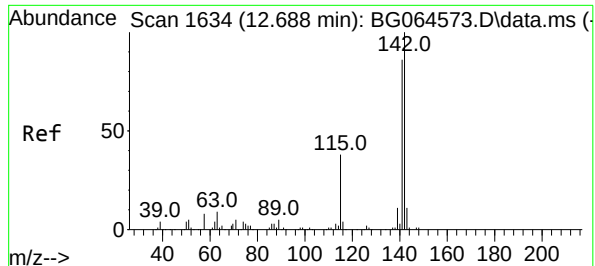
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#36
4-Chloro-3-methylphenol
Concen: 70.853 ng
RT: 12.297 min Scan# 1567
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 228833
Ion Ratio Lower Upper
107 100
144 24.1 19.1 28.7
142 72.8 58.6 87.8





#37

2-Methylnaphthalene

Concen: 65.435 ng

RT: 12.690 min Scan# 1634

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

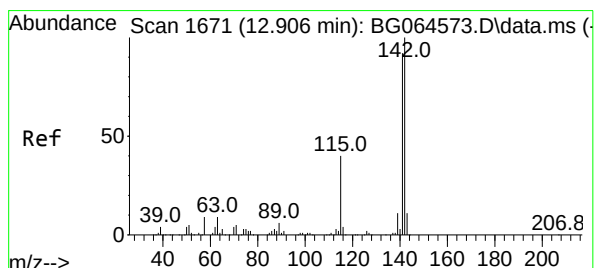
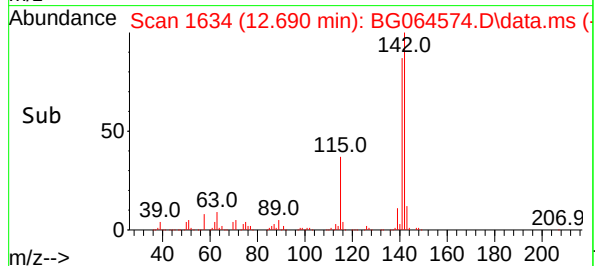
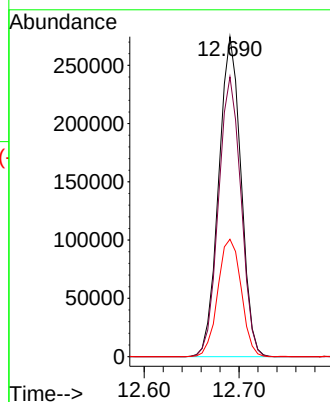
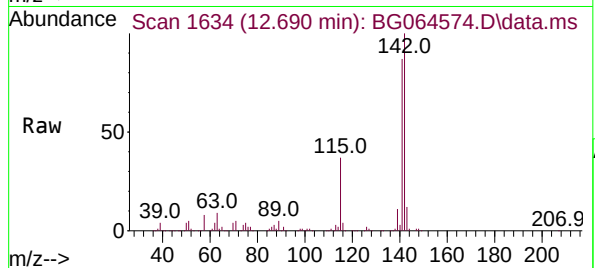
SSTDICC060

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.4	68.9	103.3
115	36.7	30.6	46.0

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#38

1-Methylnaphthalene

Concen: 65.785 ng

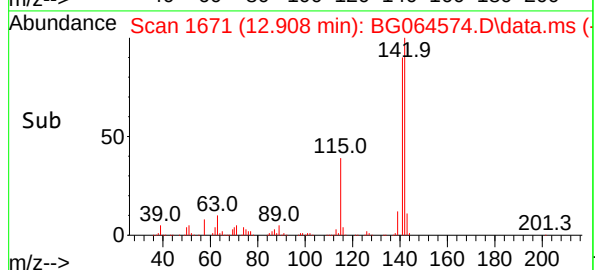
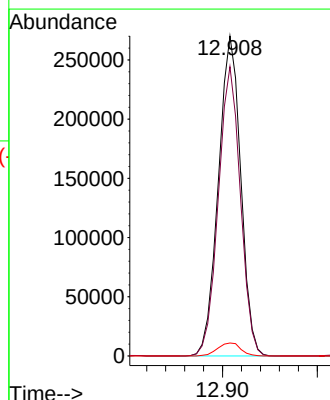
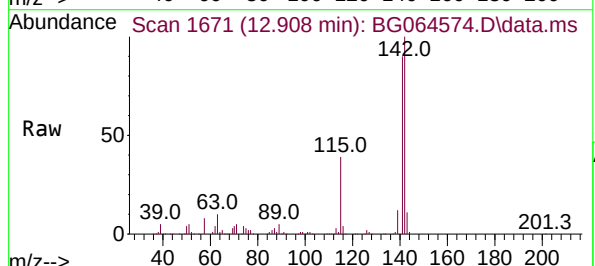
RT: 12.908 min Scan# 1671

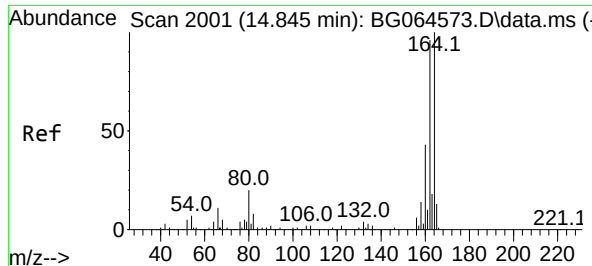
Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.3	109.9
116	4.0	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.841 min Scan# 2001

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

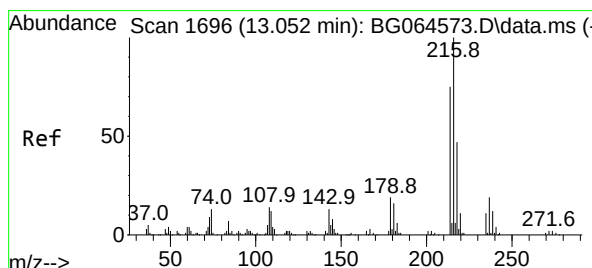
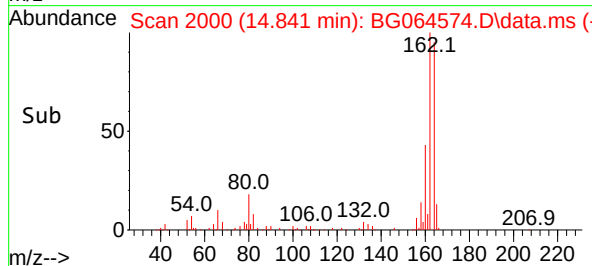
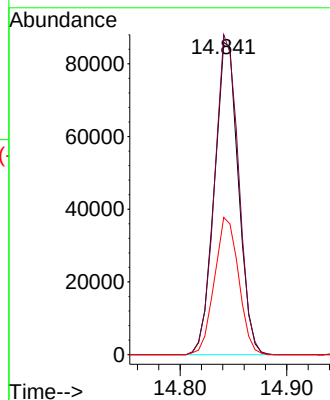
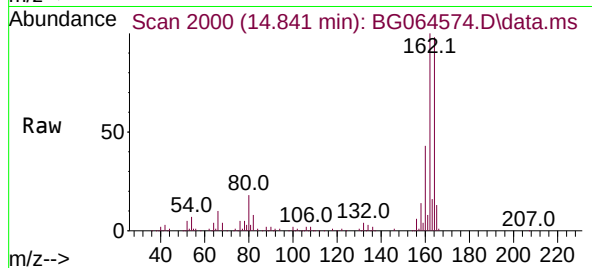
SSTDICC060

Tgt Ion:	164	Resp:	134994
Ion Ratio	Lower	Upper	
164	100		
162	102.5	77.0	115.6
160	43.9	34.4	51.6

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 64.049 ng

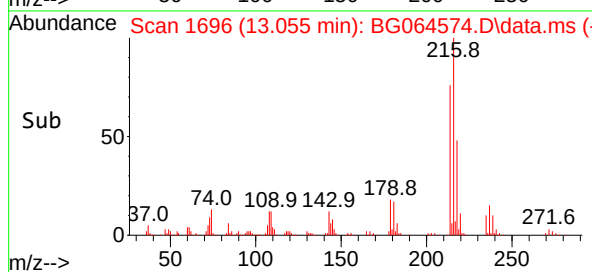
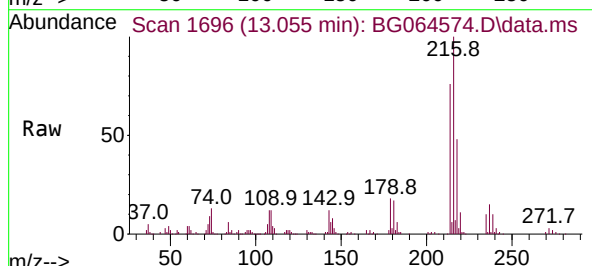
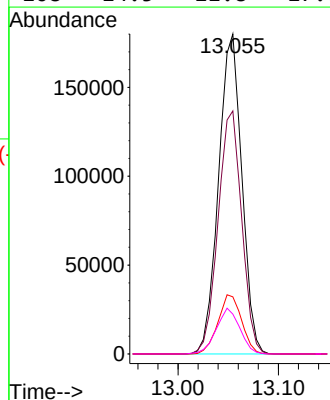
RT: 13.055 min Scan# 1696

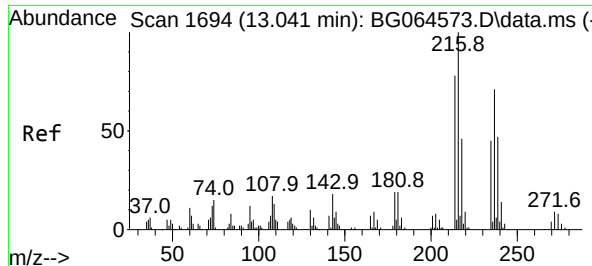
Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

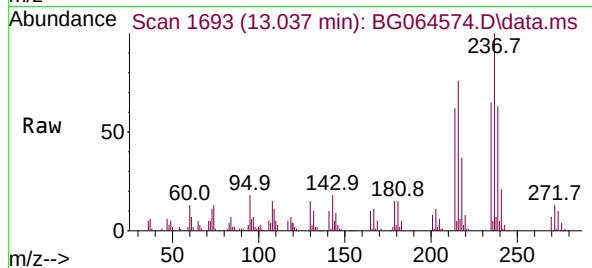
Tgt Ion:	216	Resp:	290173
Ion Ratio	Lower	Upper	
216	100		
214	77.0	61.4	92.2
179	18.8	15.4	23.0
108	14.5	11.8	17.6





#41
Hexachlorocyclopentadiene
Concen: 67.540 ng
RT: 13.037 min Scan# 1693
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

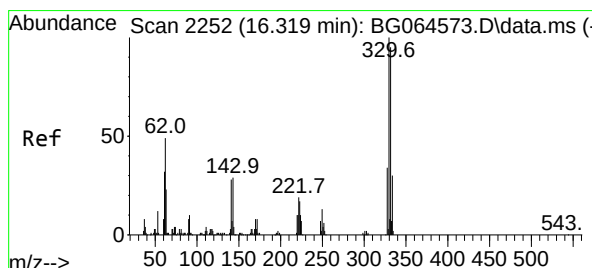
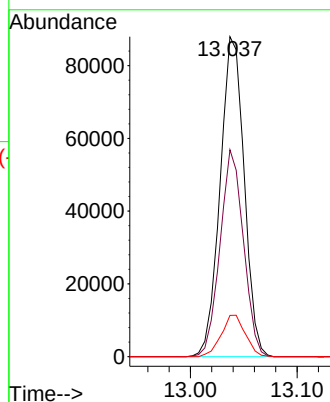
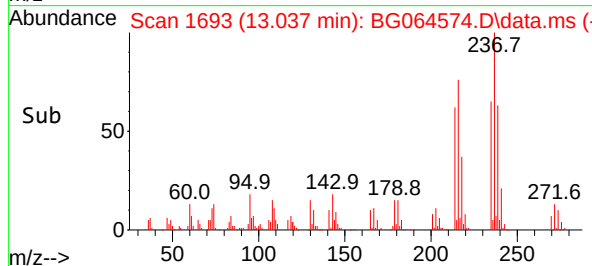
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:237 Resp: 13772
Ion Ratio Lower Upper
237 100
235 64.6 44.1 84.1
272 12.9 0.0 32.4

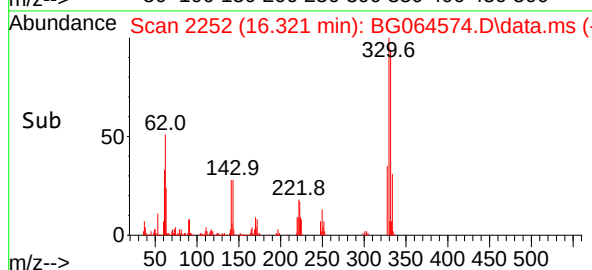
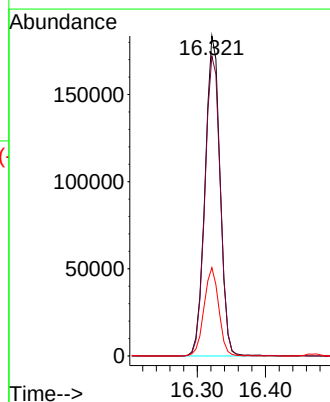
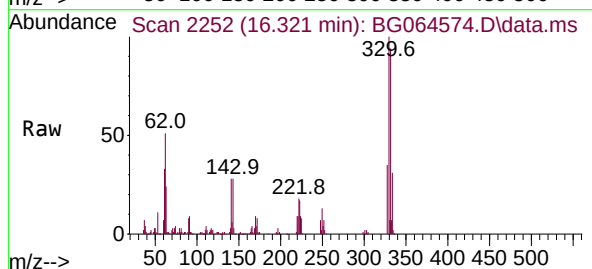
Manual Integrations
APPROVED

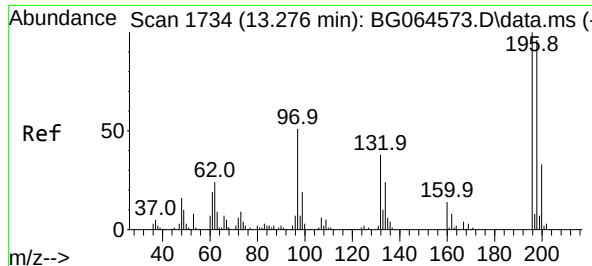
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#42
2,4,6-Tribromophenol
Concen: 143.807 ng
RT: 16.321 min Scan# 2252
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:330 Resp: 280190
Ion Ratio Lower Upper
330 100
332 95.9 78.0 117.0
141 27.0 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 71.299 ng

RT: 13.278 min Scan# 1734

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:196 Resp: 18477

Ion Ratio Lower Upper

196 100

198 95.9 76.6 115.0

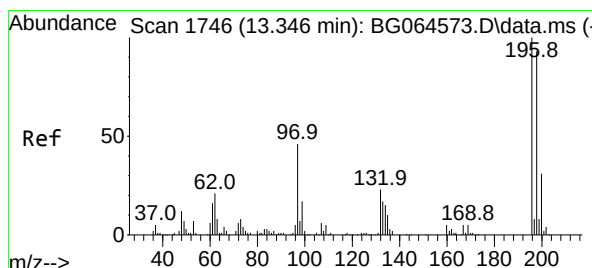
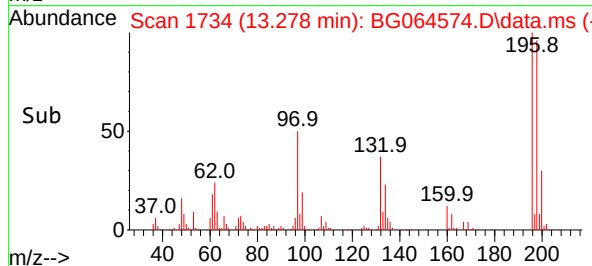
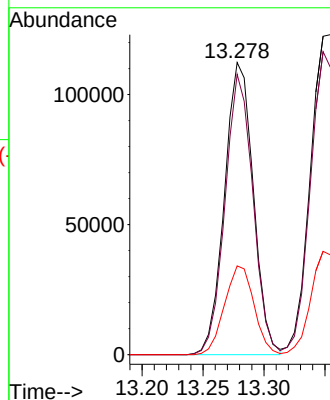
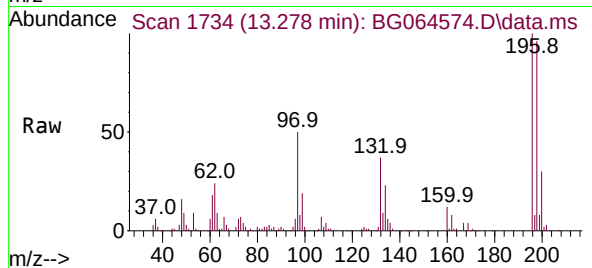
200 30.4 26.0 39.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

Concen: 69.994 ng

RT: 13.354 min Scan# 1747

Delta R.T. 0.005 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Tgt Ion:196 Resp: 209320

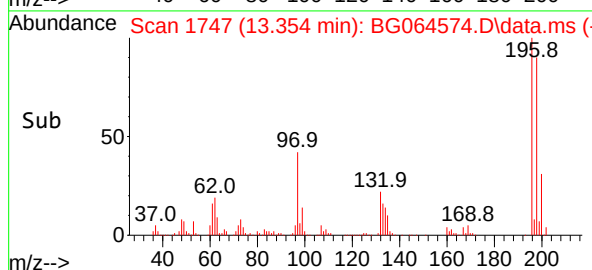
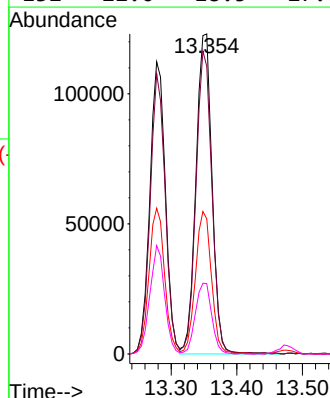
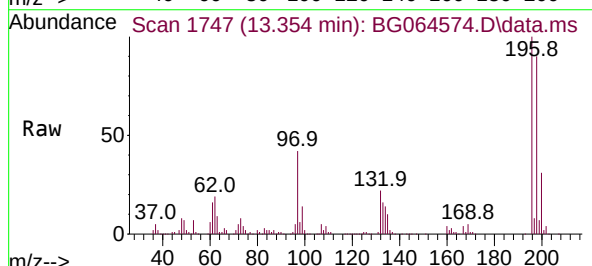
Ion Ratio Lower Upper

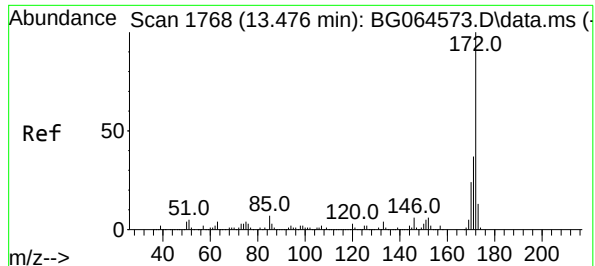
196 100

198 89.8 74.2 111.4

97 42.2 37.0 55.6

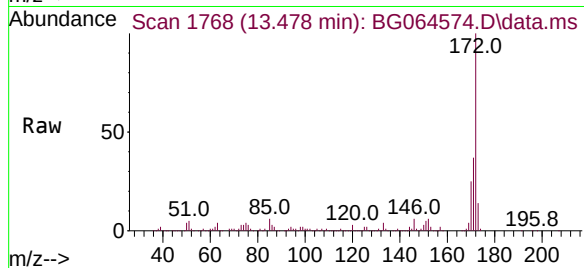
132 22.0 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 125.867 ng
RT: 13.478 min Scan# 1768
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

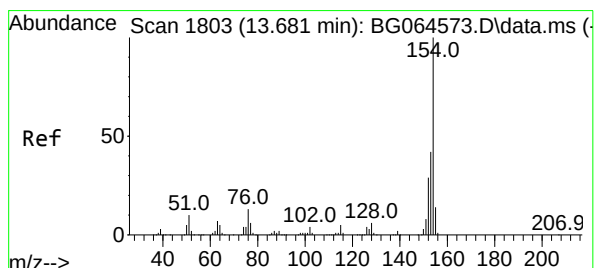
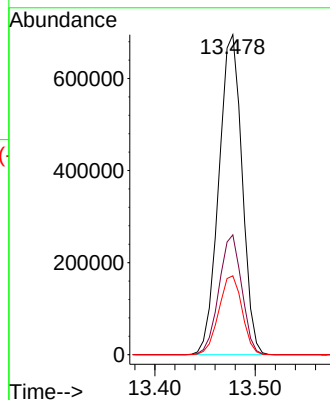
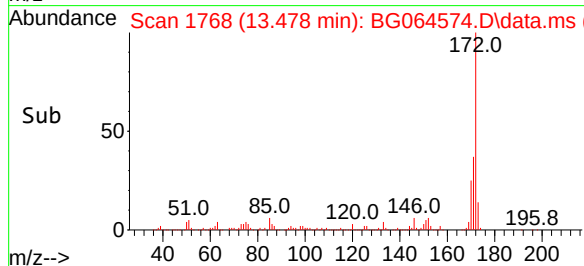
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



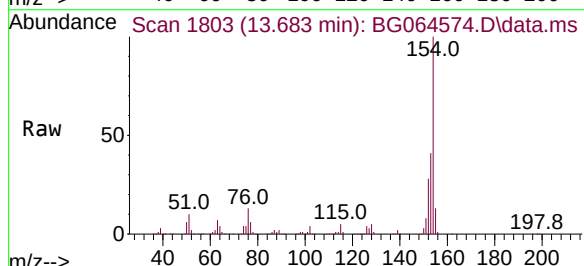
Tgt Ion:172 Resp: 1120989
Ion Ratio Lower Upper
172 100
171 37.4 29.4 44.0
170 24.6 19.1 28.7

Manual Integrations
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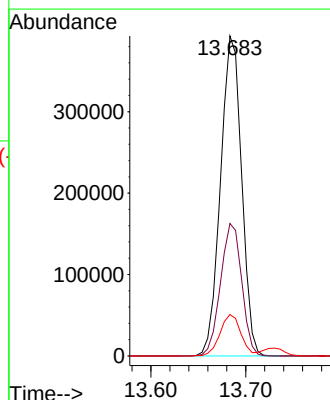
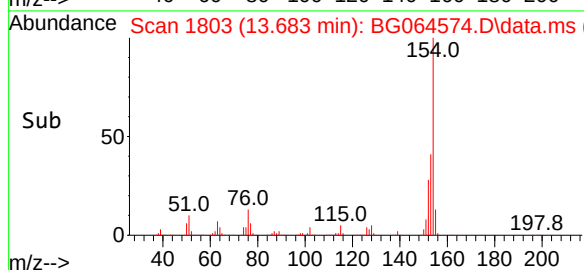
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

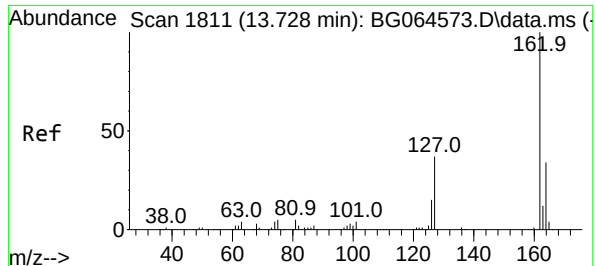


#46
1,1'-Biphenyl
Concen: 63.233 ng
RT: 13.683 min Scan# 1803
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



Tgt Ion:154 Resp: 606860
Ion Ratio Lower Upper
154 100
153 41.4 22.4 62.4
76 12.9 0.0 33.5





#47

2-Chloronaphthalene

Concen: 64.022 ng

RT: 13.730 min Scan# 1811

Delta R.T. -0.001 min

Lab File: BG064574.D

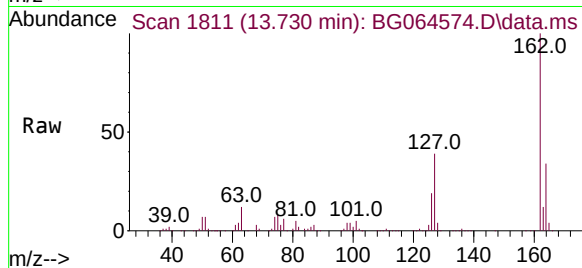
Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060



Tgt Ion:162 Resp: 463792

Ion Ratio Lower Upper

162 100

127 38.8 32.2 48.2

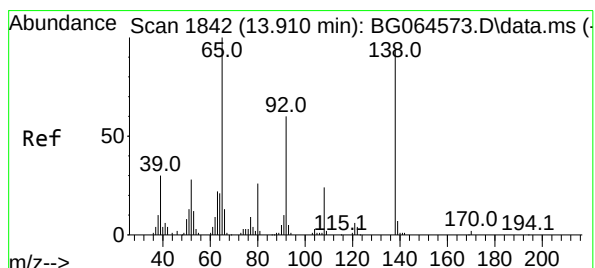
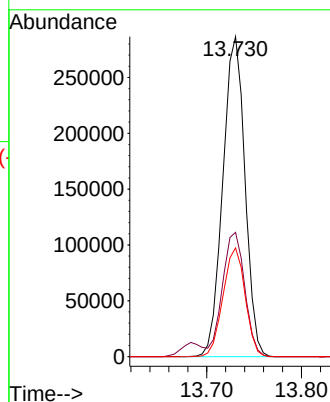
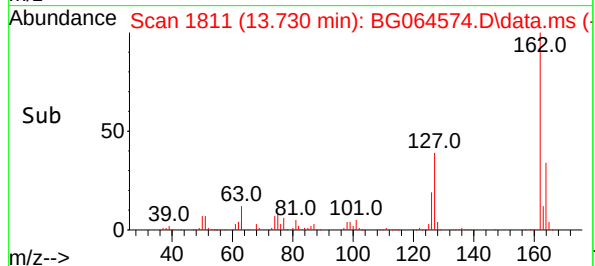
164 34.0 27.5 41.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#48

2-Nitroaniline

Concen: 66.052 ng

RT: 13.913 min Scan# 1842

Delta R.T. -0.002 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

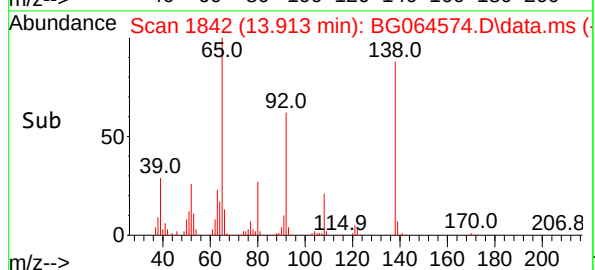
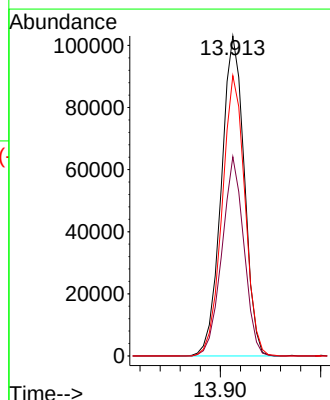
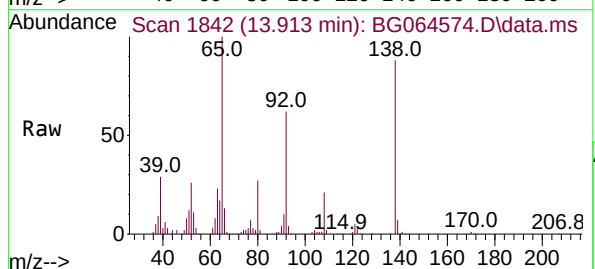
Tgt Ion: 65 Resp: 163796

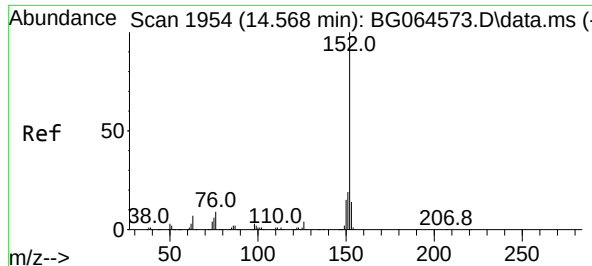
Ion Ratio Lower Upper

65 100

92 62.2 48.3 72.5

138 87.6 74.9 112.3





#49

Acenaphthylene

Concen: 64.738 ng

RT: 14.571 min Scan# 1954

Delta R.T. 0.005 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

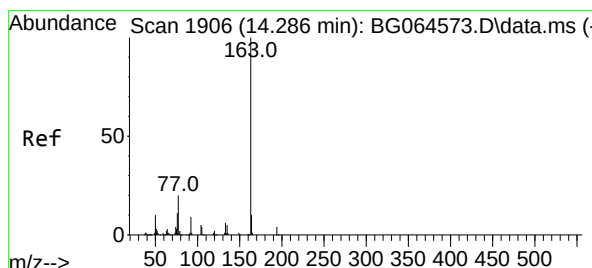
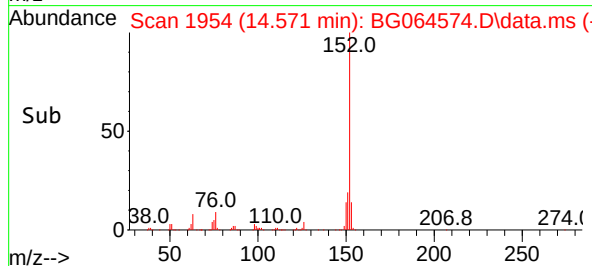
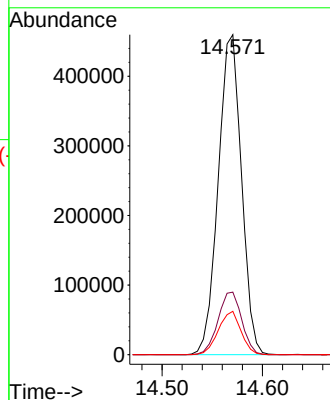
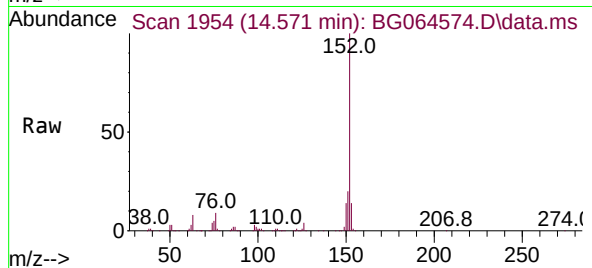
SSTDICC060

Tgt Ion:	152	Resp:	739728
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.4	23.2
153	13.5	11.0	16.4

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 66.616 ng

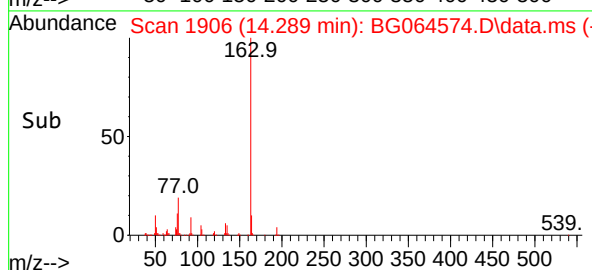
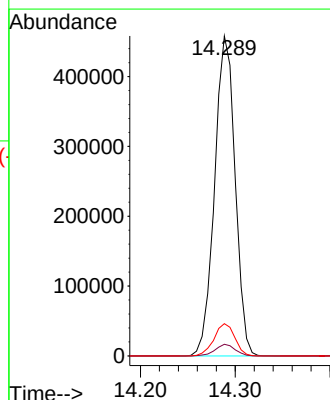
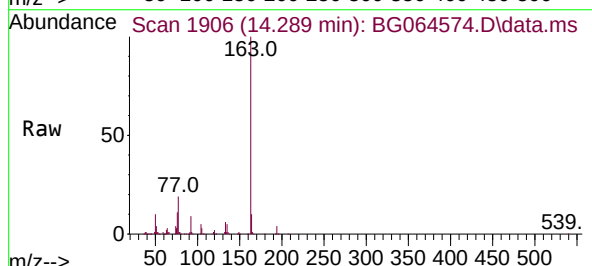
RT: 14.289 min Scan# 1906

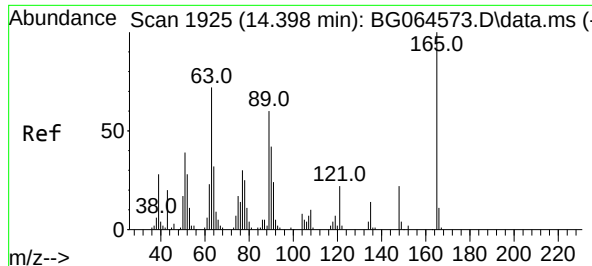
Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

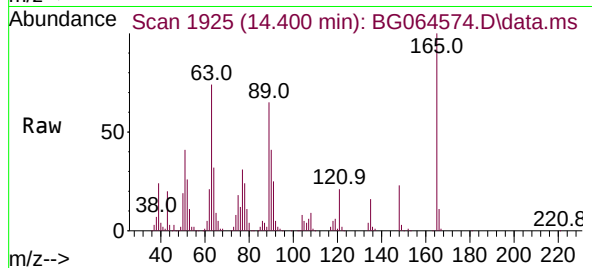
Tgt Ion:	163	Resp:	688128
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.8	4.2
164	10.1	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 65.951 ng
RT: 14.400 min Scan# 1925
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

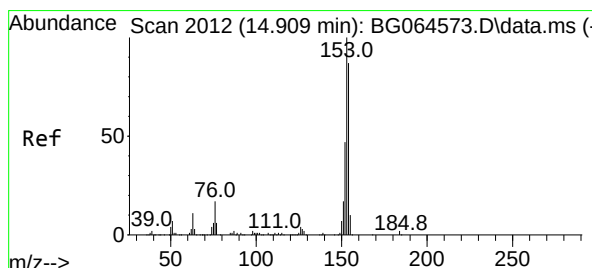
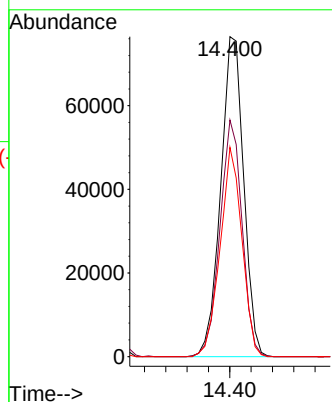
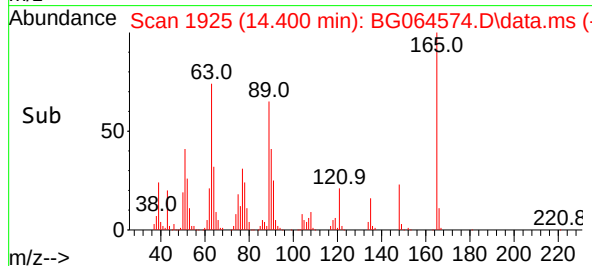
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 114588
Ion Ratio Lower Upper
165 100
63 73.9 57.4 86.0
89 65.4 47.8 71.8

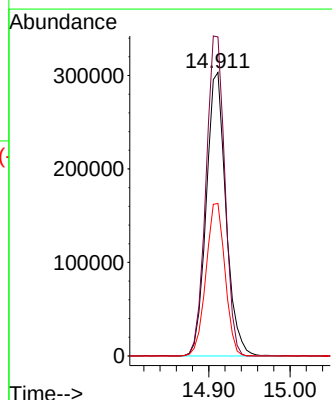
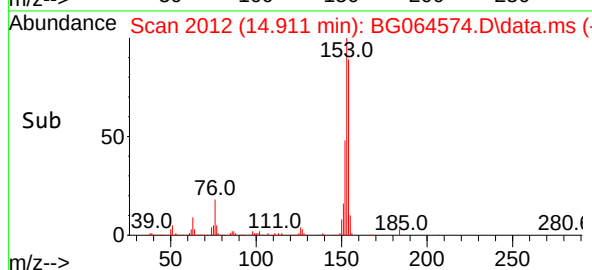
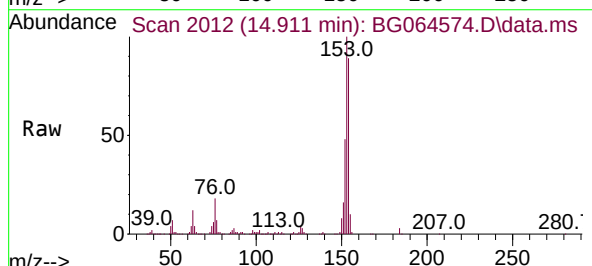
Manual Integrations
APPROVED

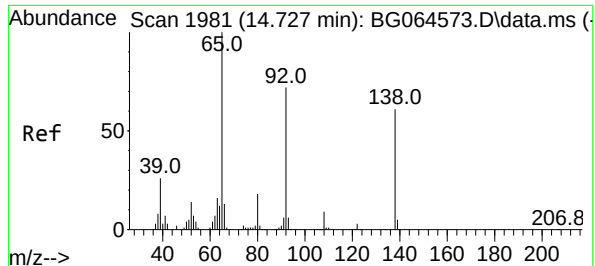
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#52
Acenaphthene
Concen: 65.392 ng
RT: 14.911 min Scan# 2012
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:154 Resp: 510499
Ion Ratio Lower Upper
154 100
153 112.5 92.2 138.4
152 53.8 43.2 64.8





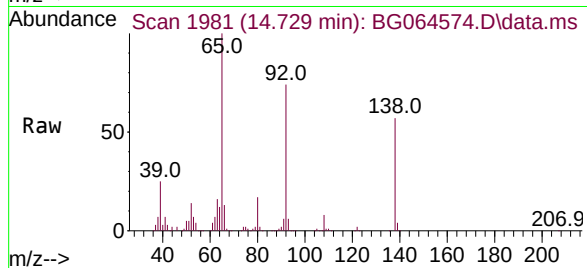
#53
3-Nitroaniline
Concen: 74.231 ng
RT: 14.729 min Scan# 1981
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

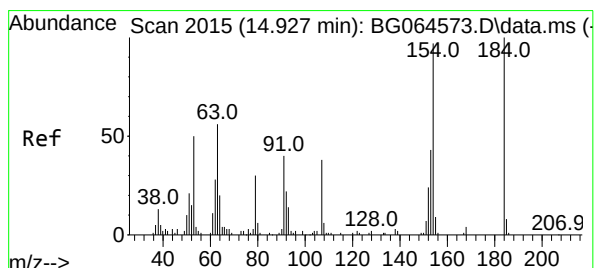
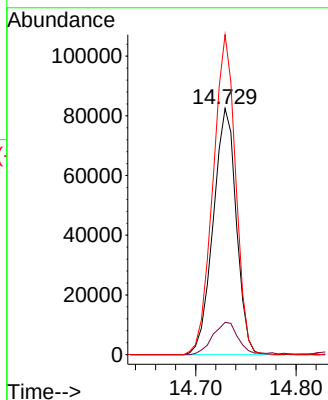
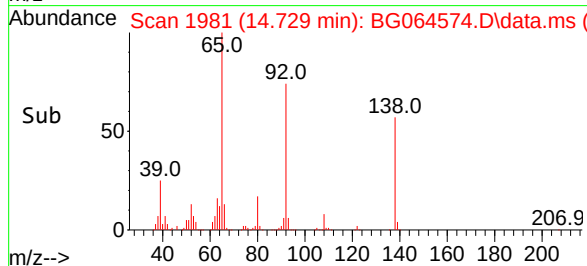
SSTDICC060



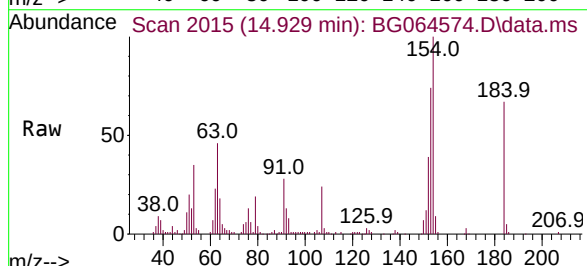
Tgt Ion:138 Resp: 131776
Ion Ratio Lower Upper
138 100
108 13.1 11.4 17.0
92 130.0 95.3 142.9

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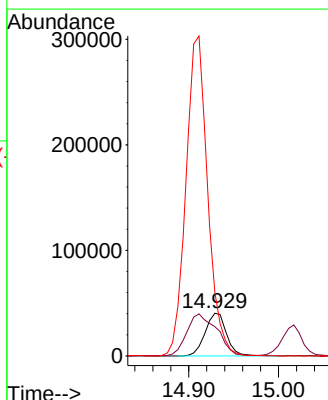
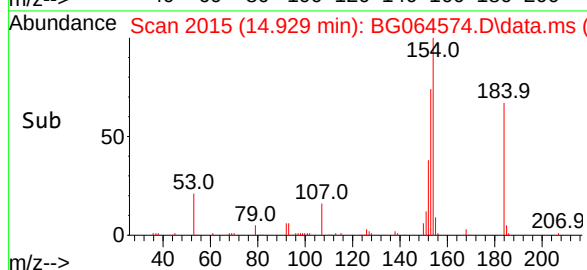
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

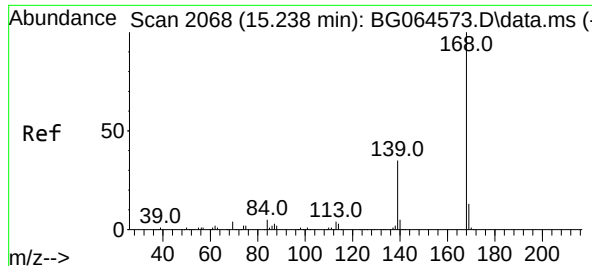


#54
2,4-Dinitrophenol
Concen: 65.082 ng
RT: 14.929 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



Tgt Ion:184 Resp: 66900
Ion Ratio Lower Upper
184 100
63 68.5 56.6 85.0
154 149.4 158.6 238.0#





#55

Dibenzenofuran

Concen: 63.779 ng

RT: 15.240 min Scan# 20

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 804964

Ion Ratio Lower Upper

168 100

139 36.7 27.8 41.8

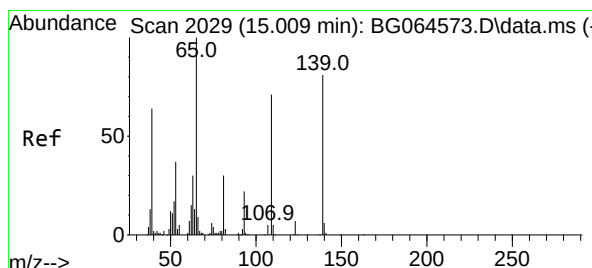
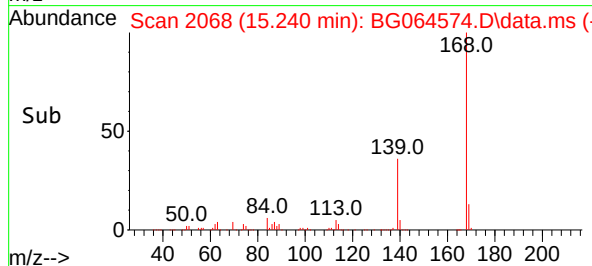
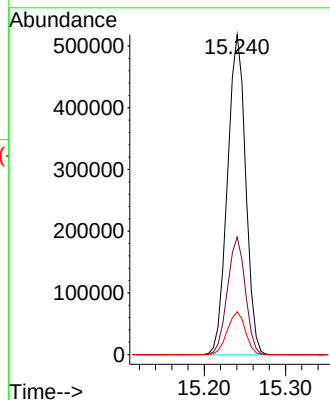
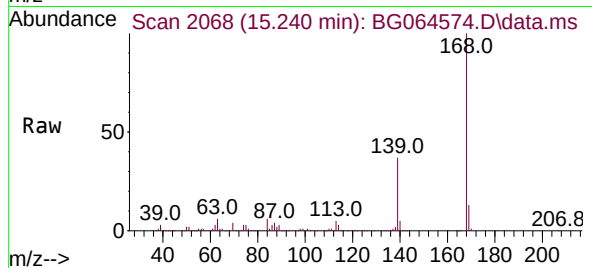
169 13.4 10.3 15.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#56

4-Nitrophenol

Concen: 69.512 ng

RT: 15.017 min Scan# 2030

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

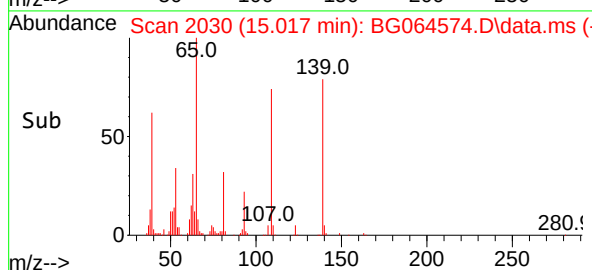
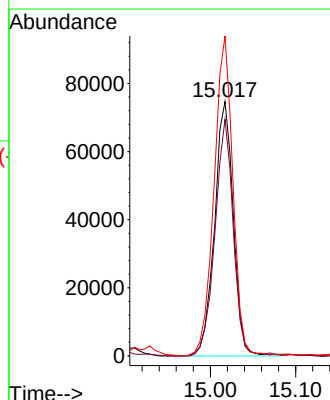
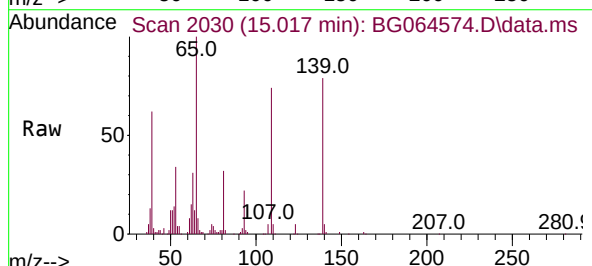
Tgt Ion:139 Resp: 114408

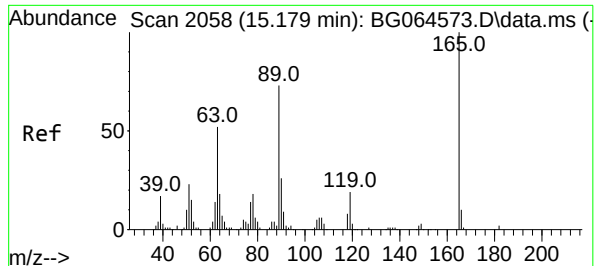
Ion Ratio Lower Upper

139 100

109 93.0 67.8 107.8

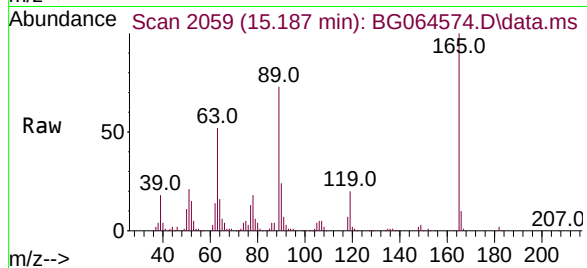
65 125.8 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 65.522 ng
RT: 15.187 min Scan# 2059
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

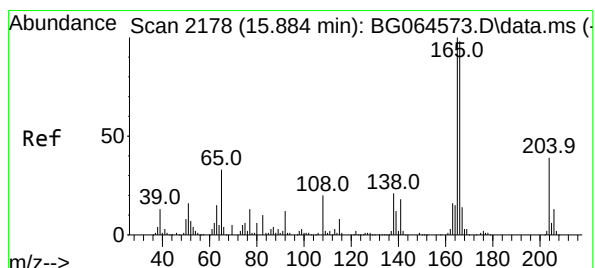
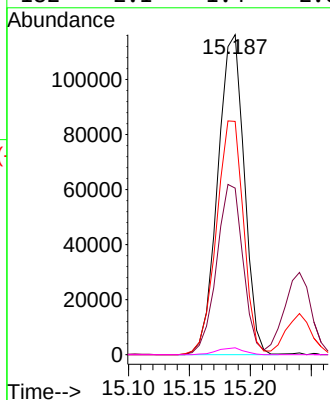
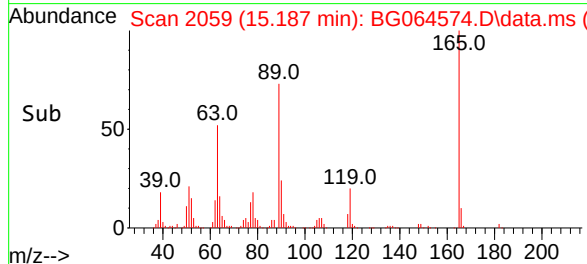
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 175802
Ion Ratio Lower Upper
165 100
63 52.0 41.8 62.8
89 72.9 58.1 87.1
182 2.1 1.4 2.0#

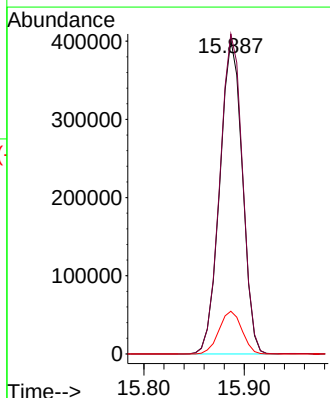
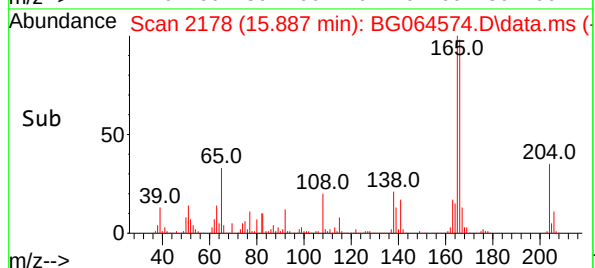
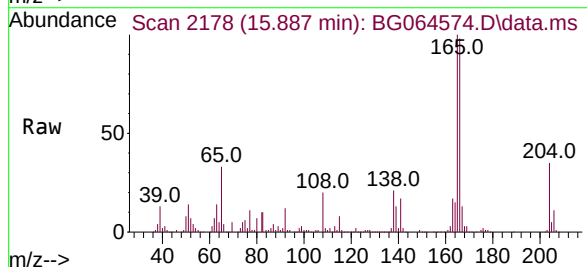
Manual Integrations
APPROVED

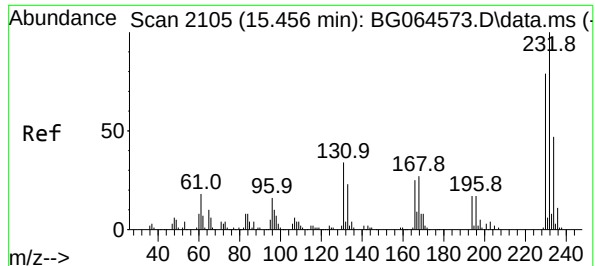
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#58
Fluorene
Concen: 63.656 ng
RT: 15.887 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

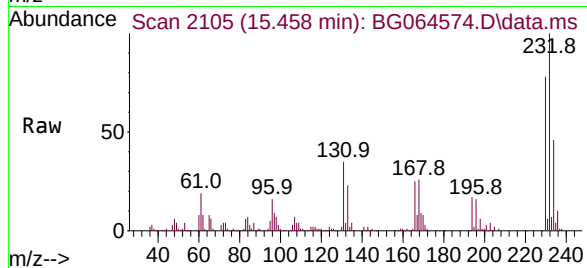
Tgt Ion:166 Resp: 627437
Ion Ratio Lower Upper
166 100
165 101.8 81.5 122.3
167 13.5 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 71.870 ng
RT: 15.458 min Scan# 2105
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

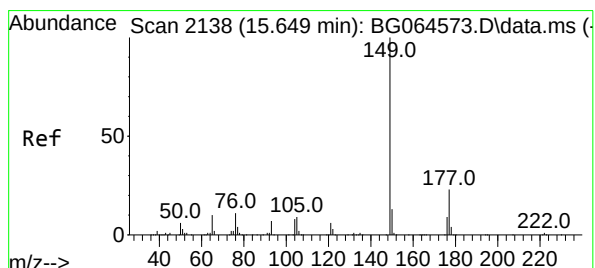
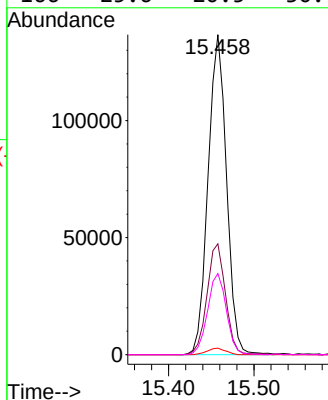
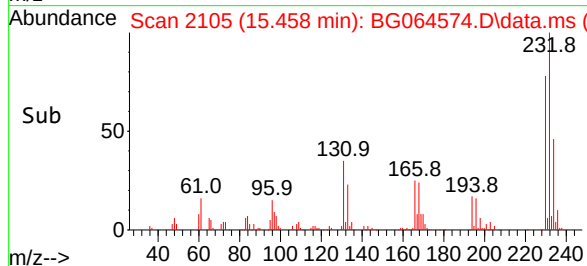
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



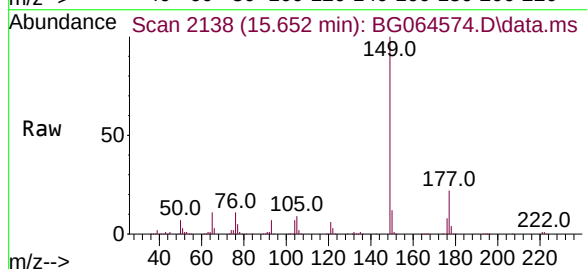
Tgt Ion:232 Resp: 205529
Ion Ratio Lower Upper
232 100
131 34.7 26.7 40.1
130 2.0 1.6 2.4
166 25.6 20.5 30.7

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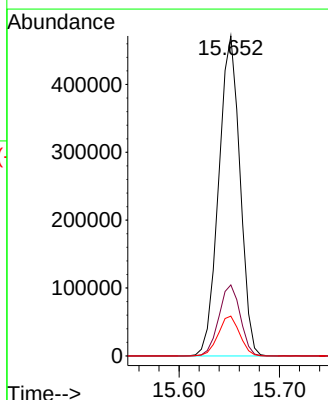
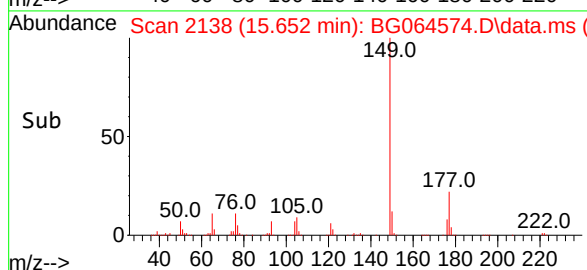
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

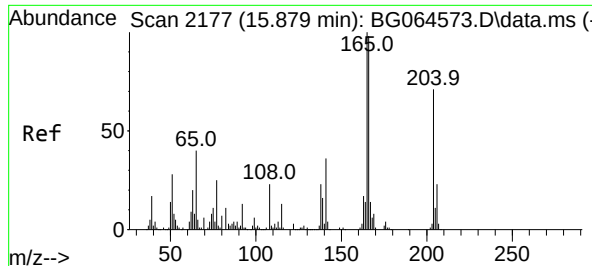


#60
Diethylphthalate
Concen: 65.982 ng
RT: 15.652 min Scan# 2138
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



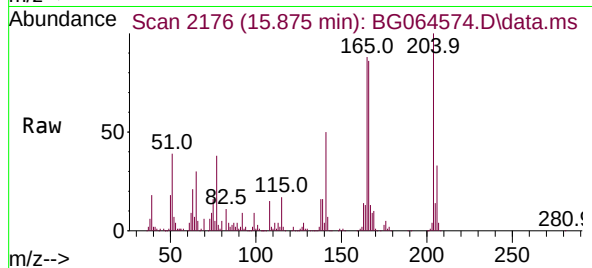
Tgt Ion:149 Resp: 695924
Ion Ratio Lower Upper
149 100
177 22.2 18.0 27.0
150 12.4 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 65.038 ng
RT: 15.875 min Scan# 2176
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

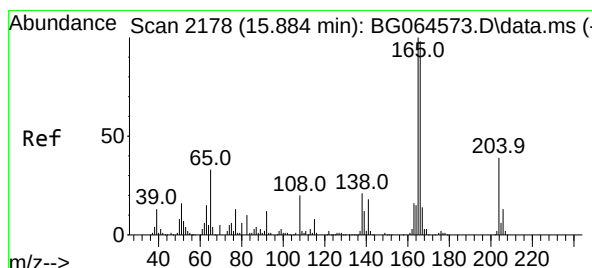
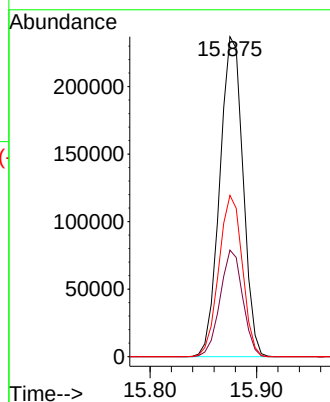
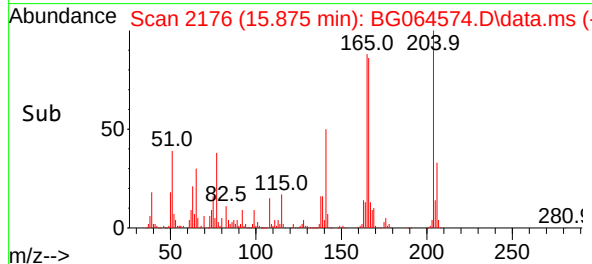
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



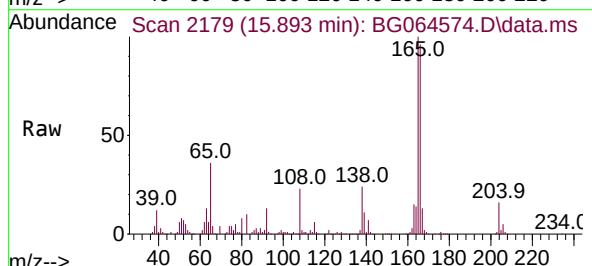
Tgt Ion:204 Resp: 359759
Ion Ratio Lower Upper
204 100
206 33.3 25.6 38.4
141 50.4 40.6 60.8

Manual Integrations
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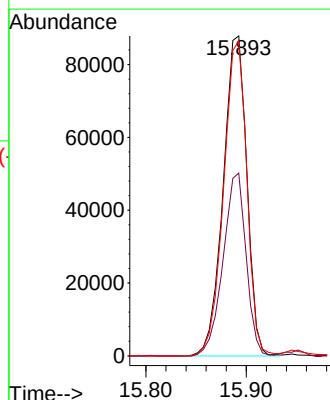
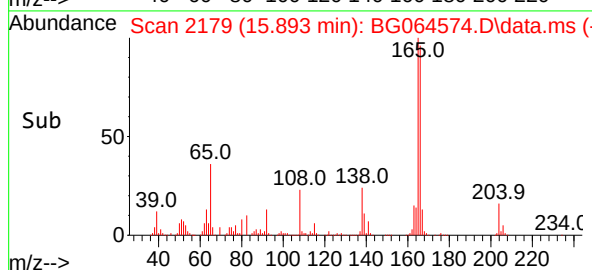
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

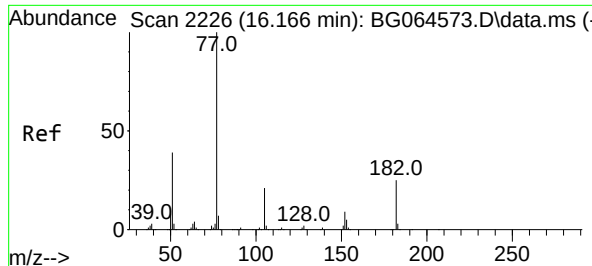


#62
4-Nitroaniline
Concen: 72.832 ng
RT: 15.893 min Scan# 2179
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



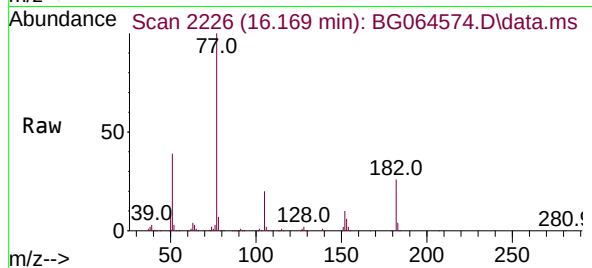
Tgt Ion:138 Resp: 143839
Ion Ratio Lower Upper
138 100
92 57.1 36.1 76.1
108 98.4 75.6 115.6





#63
Azobenzene
Concen: 65.464 ng
RT: 16.169 min Scan# 2226
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

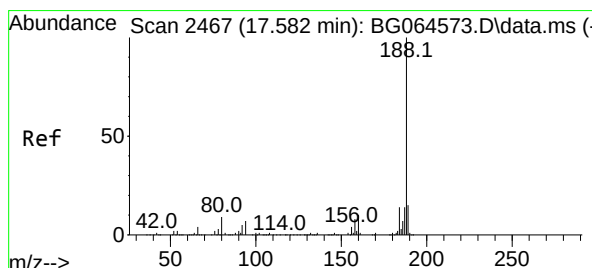
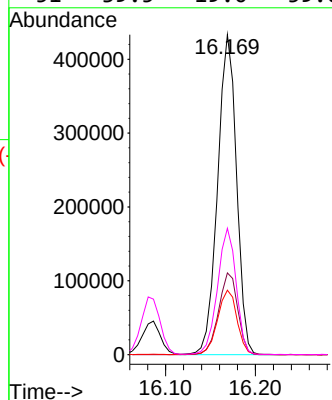
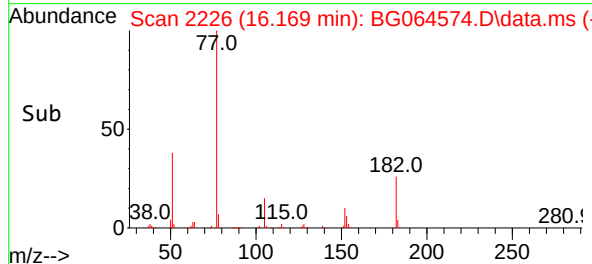
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 633520
Ion Ratio Lower Upper
77 100
182 25.5 4.9 44.9
105 20.1 1.3 41.3
51 39.5 19.0 59.0

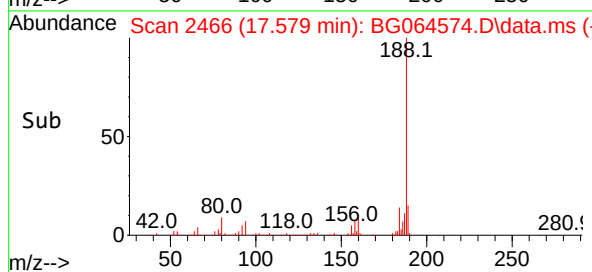
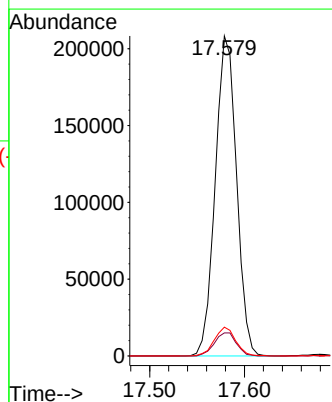
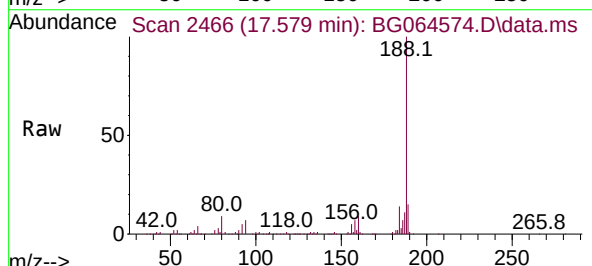
Manual Integrations
APPROVED

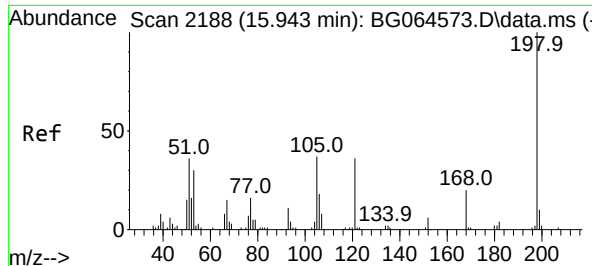
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2466
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

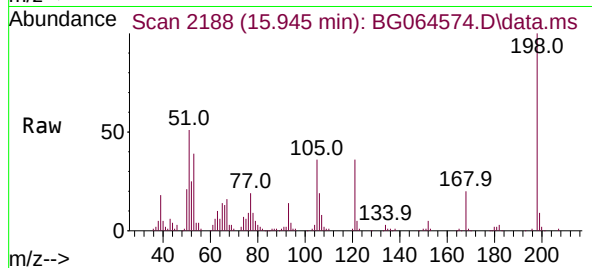
Tgt Ion:188 Resp: 324385
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 9.0 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 64.046 ng
RT: 15.945 min Scan# 2188
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

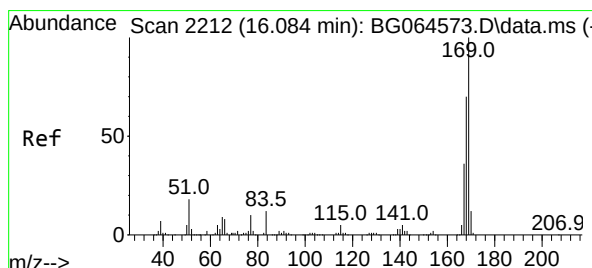
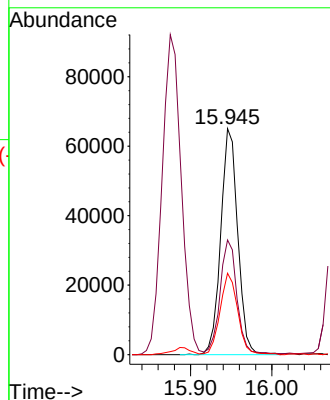
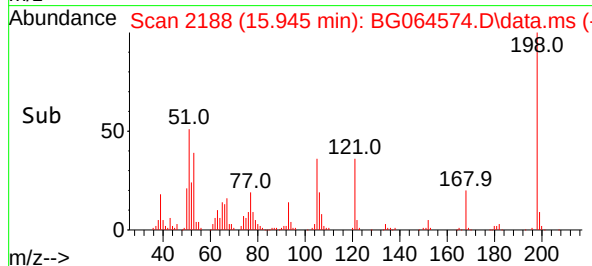
Instrument :
BNA_G
ClientSampleId :
SSTDIC060



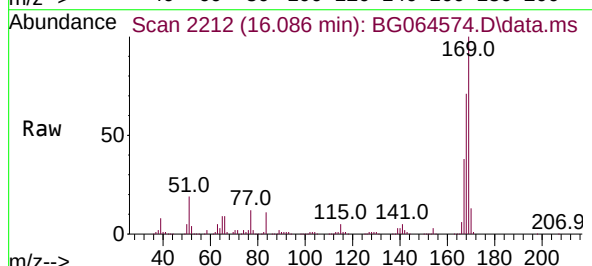
Tgt Ion:198 Resp: 94338
Ion Ratio Lower Upper
198 100
51 50.7 24.7 64.7
105 36.0 18.0 58.0

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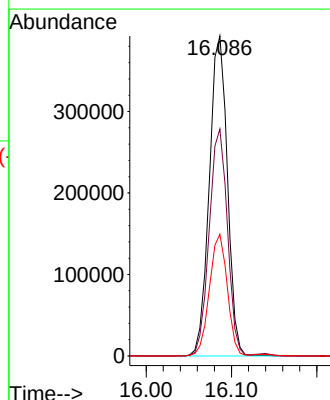
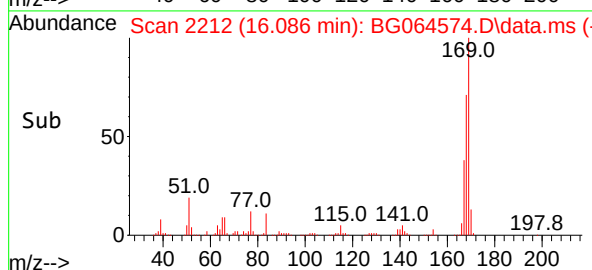
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

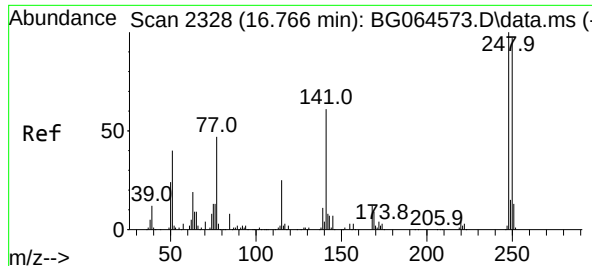


#66
n-Nitrosodiphenylamine
Concen: 65.944 ng
RT: 16.086 min Scan# 2212
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



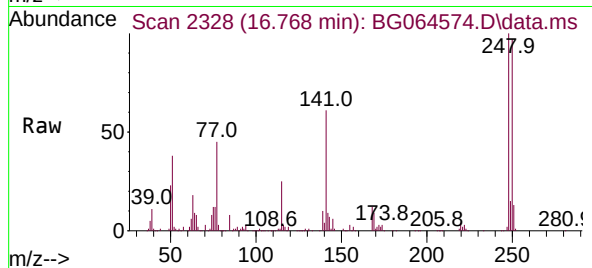
Tgt Ion:169 Resp: 577835
Ion Ratio Lower Upper
169 100
168 70.9 56.3 84.5
167 38.0 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 66.740 ng
RT: 16.768 min Scan# 2328
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

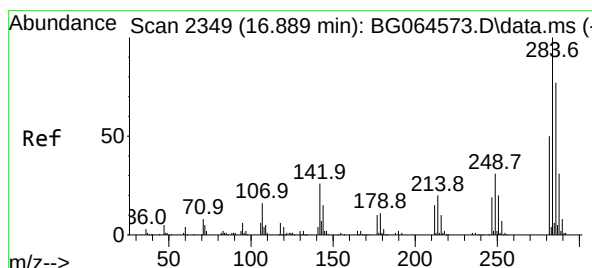
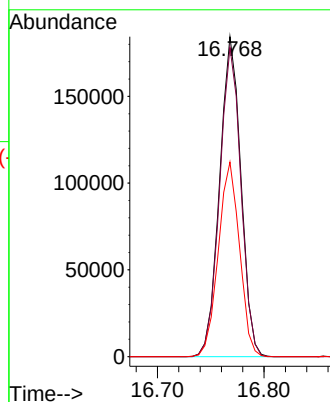
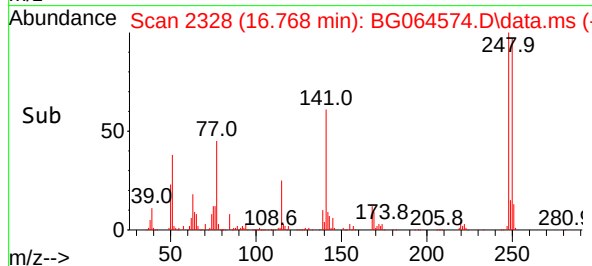
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



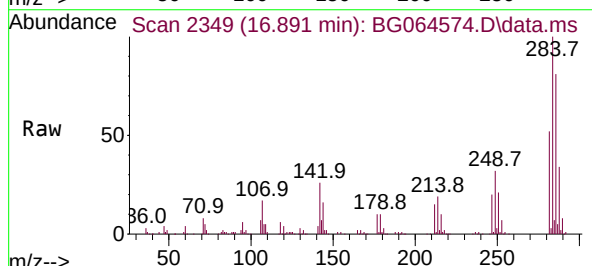
Tgt Ion:248 Resp: 256556
Ion Ratio Lower Upper
248 100
250 96.6 77.7 116.5
141 60.8 48.6 72.8

Manual Integrations
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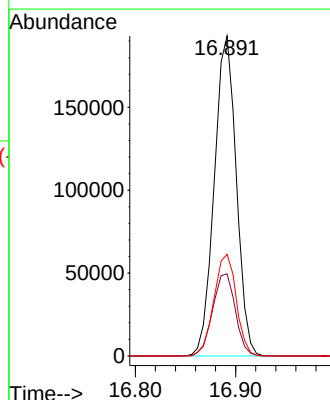
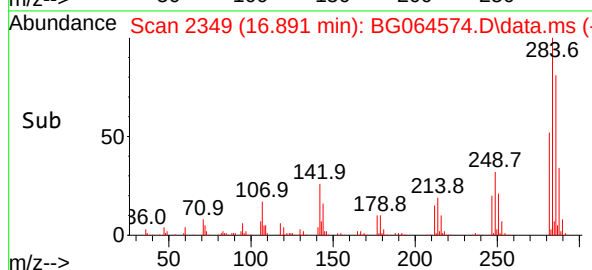
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

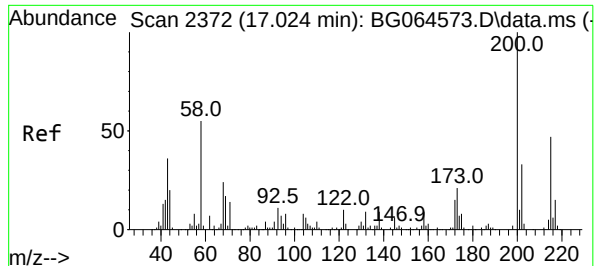


#68
Hexachlorobenzene
Concen: 67.001 ng
RT: 16.891 min Scan# 2349
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



Tgt Ion:284 Resp: 293831
Ion Ratio Lower Upper
284 100
142 25.6 21.0 31.6
249 34.5 24.9 37.3





#69

Atrazine

Concen: 67.378 ng

RT: 17.026 min Scan# 2372

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:200 Resp: 254070

Ion Ratio Lower Upper

200 100

173 23.6 0.9 40.9

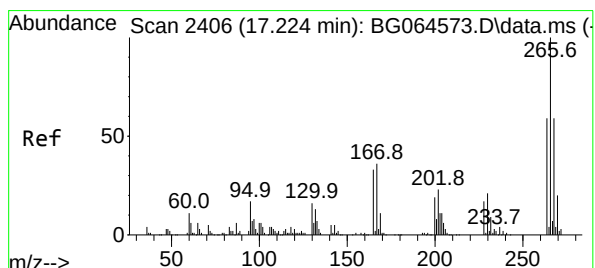
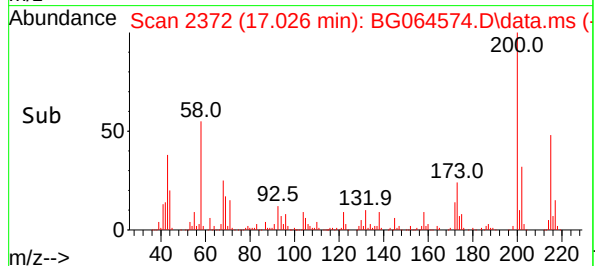
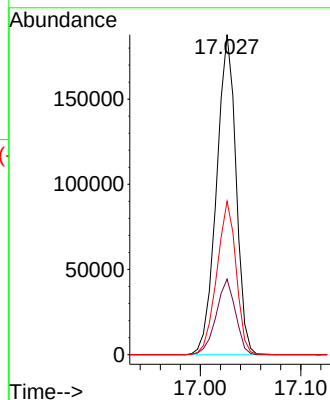
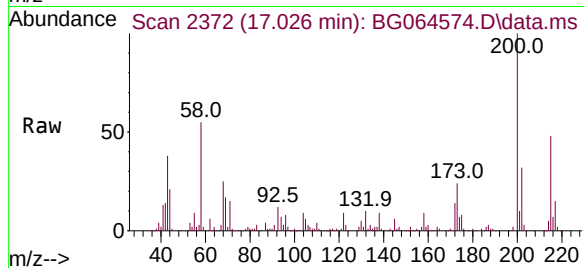
215 47.9 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#70

Pentachlorophenol

Concen: 70.923 ng

RT: 17.226 min Scan# 2406

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

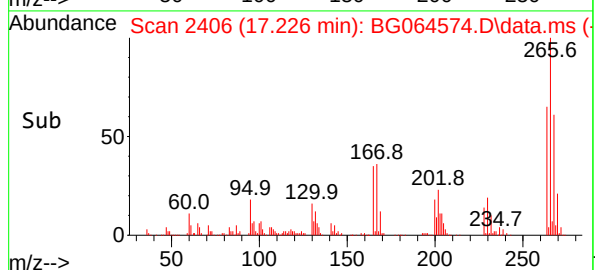
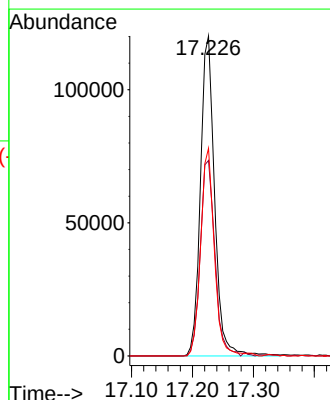
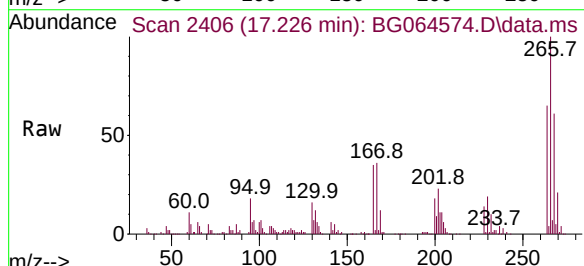
Tgt Ion:266 Resp: 193954

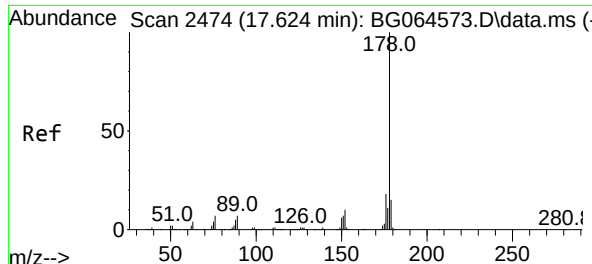
Ion Ratio Lower Upper

266 100

268 66.0 50.3 75.5

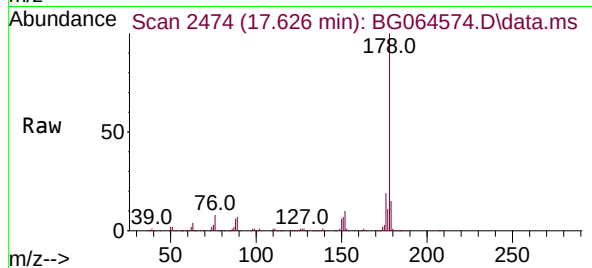
264 69.3 47.3 70.9





#71
Phenanthrene
Concen: 64.676 ng
RT: 17.626 min Scan# 2474
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

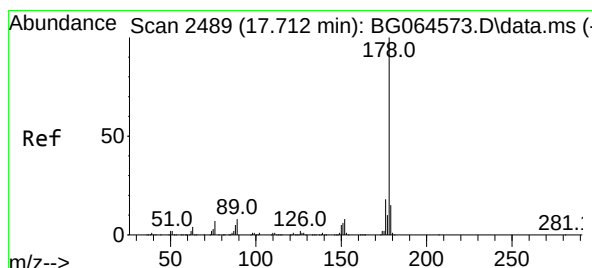
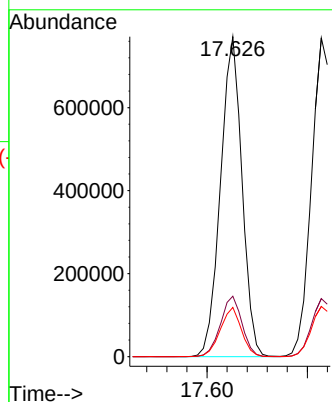
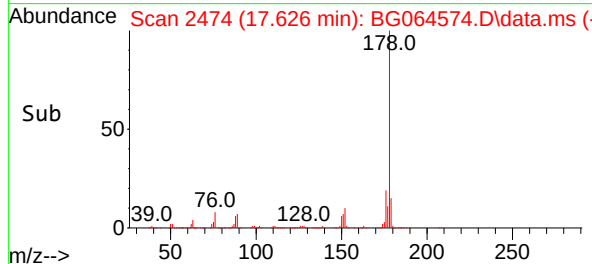
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:178 Resp: 1147317
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.4 12.2 18.4

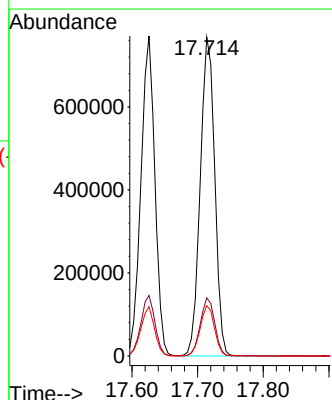
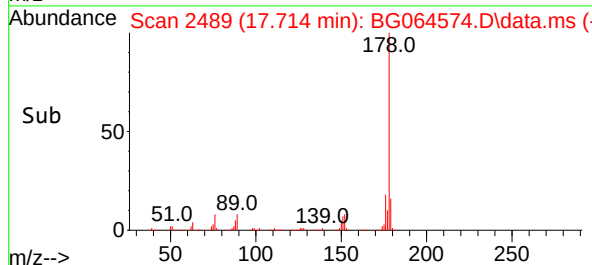
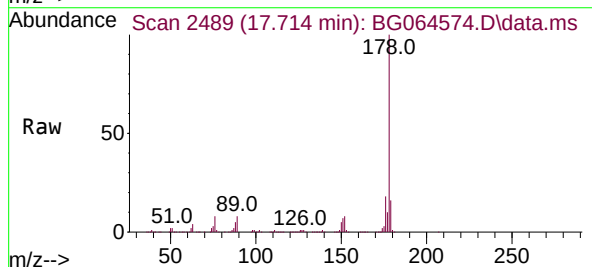
Manual Integrations
APPROVED

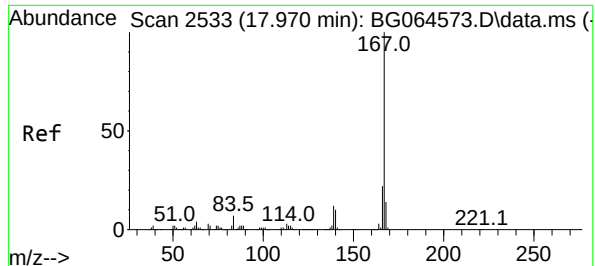
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#72
Anthracene
Concen: 64.905 ng
RT: 17.714 min Scan# 2489
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

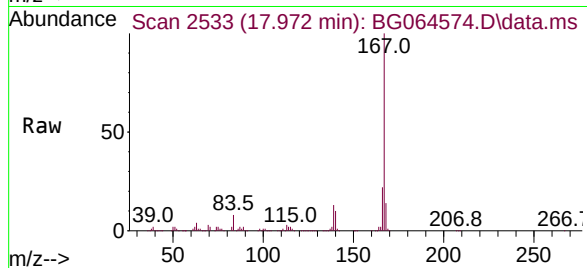
Tgt Ion:178 Resp: 1171223
Ion Ratio Lower Upper
178 100
176 18.2 14.4 21.6
179 15.8 12.4 18.6





#73
Carbazole
Concen: 62.887 ng
RT: 17.972 min Scan# 2533
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

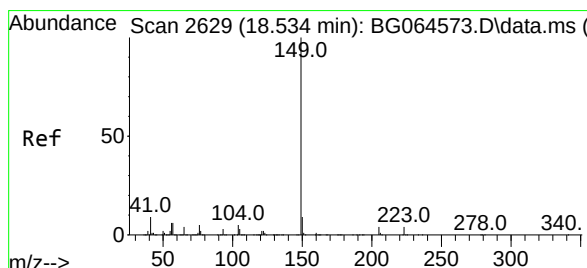
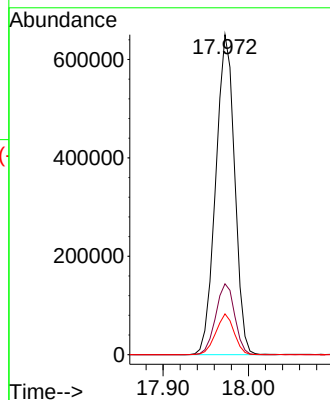
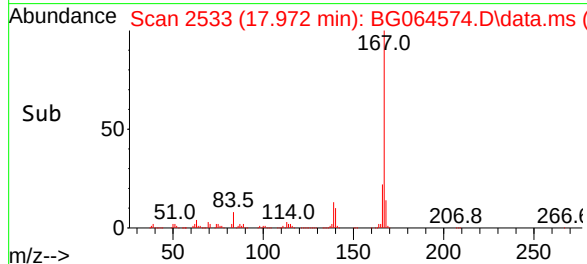
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:167 Resp: 1000680
Ion Ratio Lower Upper
167 100
166 22.1 17.9 26.9
139 12.7 9.7 14.5

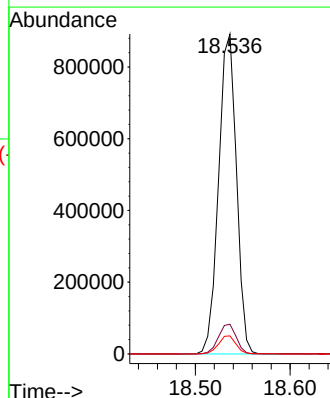
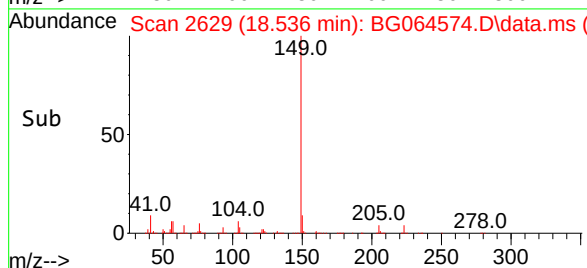
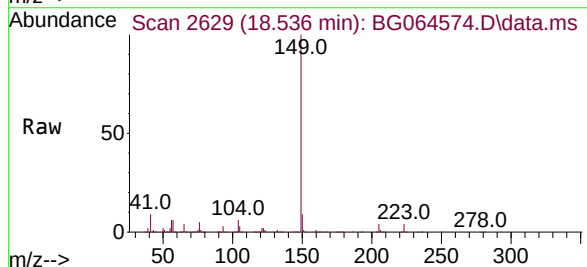
Manual Integrations
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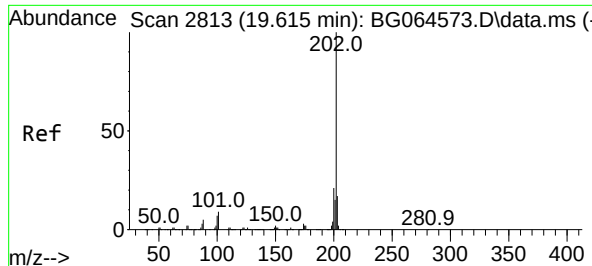
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#74
Di-n-butylphthalate
Concen: 63.334 ng
RT: 18.536 min Scan# 2629
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

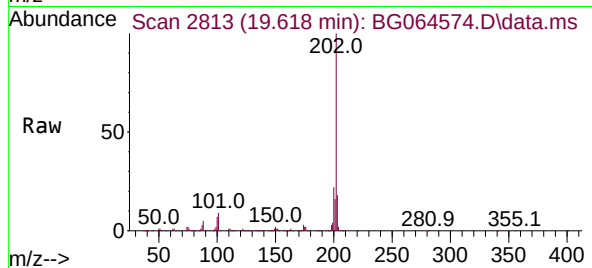
Tgt Ion:149 Resp: 1165396
Ion Ratio Lower Upper
149 100
150 9.3 7.0 10.6
104 5.6 4.1 6.1





#75
Fluoranthene
Concen: 61.419 ng
RT: 19.618 min Scan# 2813
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

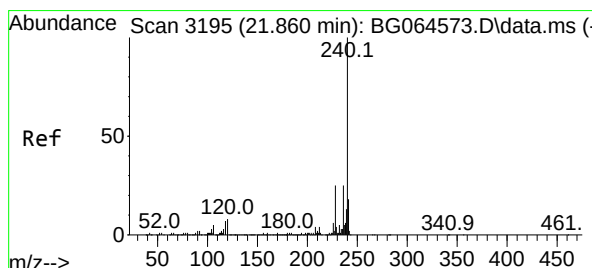
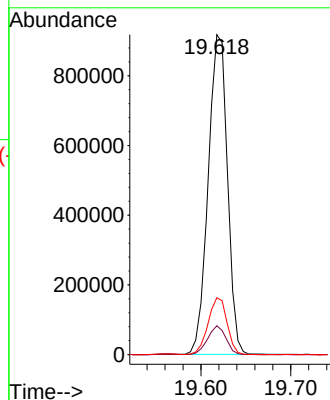
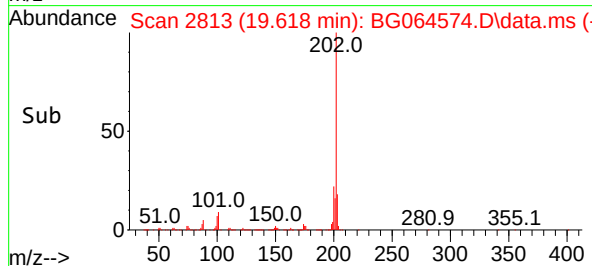
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:202 Resp: 136489
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.7
203 17.8 0.0 37.0

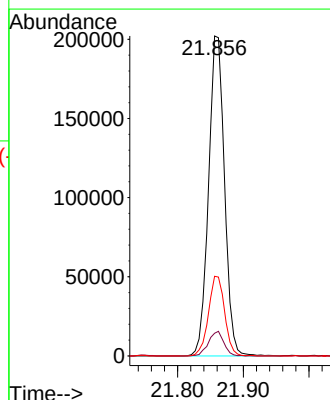
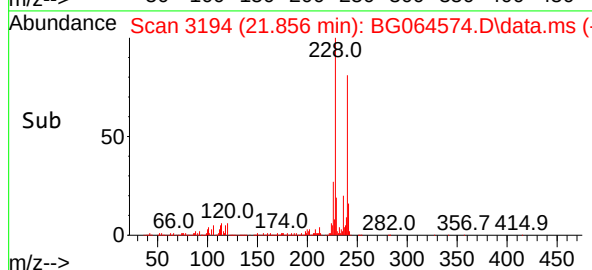
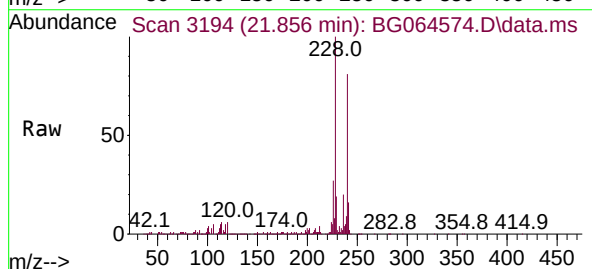
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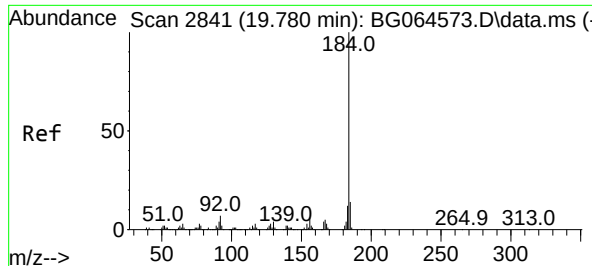
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3194
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

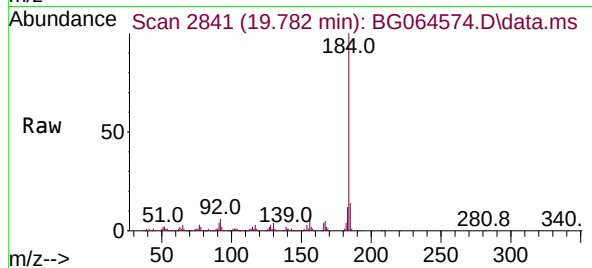
Tgt Ion:240 Resp: 340896
Ion Ratio Lower Upper
240 100
120 7.1 6.5 9.7
236 24.9 20.2 30.2





#77
Benzidine
Concen: 71.348 ng
RT: 19.782 min Scan# 2841
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

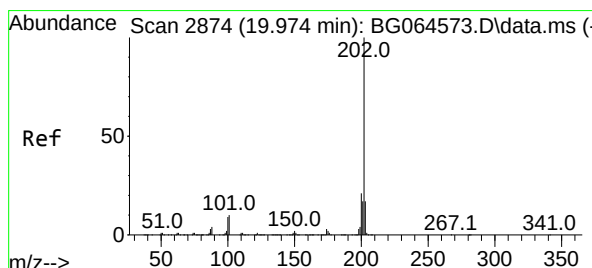
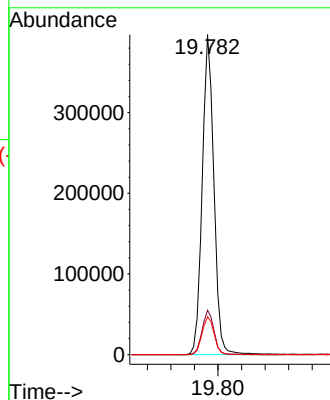
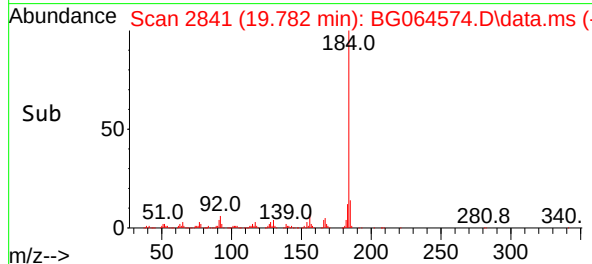
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:184 Resp: 544918
Ion Ratio Lower Upper
184 100
185 13.9 11.4 17.2
183 11.8 9.4 14.2

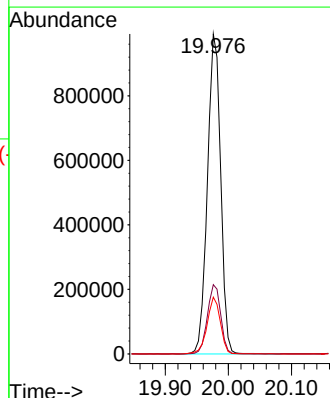
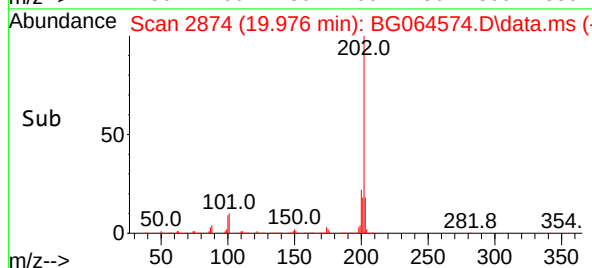
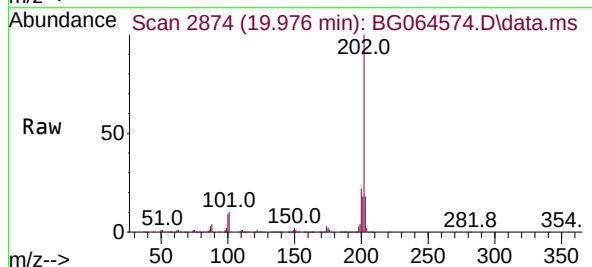
Manual Integrations
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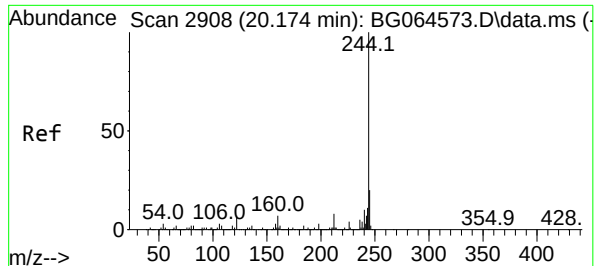
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#78
Pyrene
Concen: 64.549 ng
RT: 19.976 min Scan# 2874
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

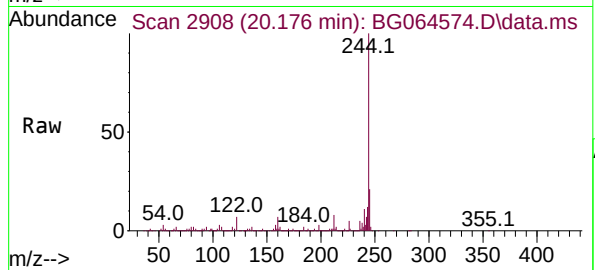
Tgt Ion:202 Resp: 1437669
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 17.7 13.8 20.6





#79
Terphenyl-d14
Concen: 124.763 ng
RT: 20.176 min Scan# 2908
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

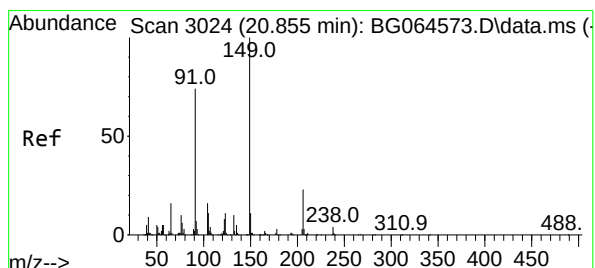
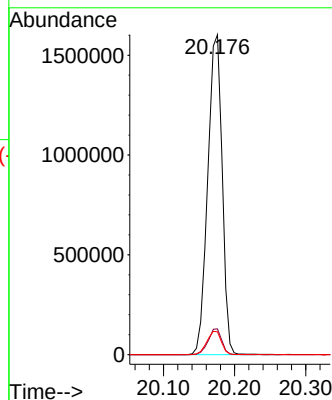
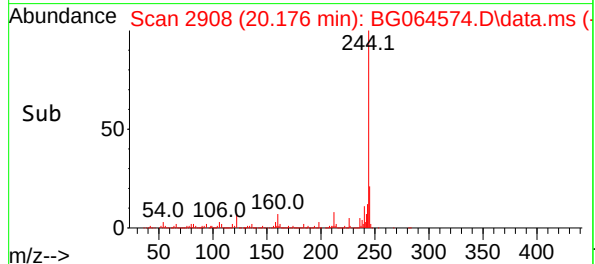
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:244 Resp: 2253704
Ion Ratio Lower Upper
244 100
212 8.0 6.1 9.1
122 7.1 5.6 8.4

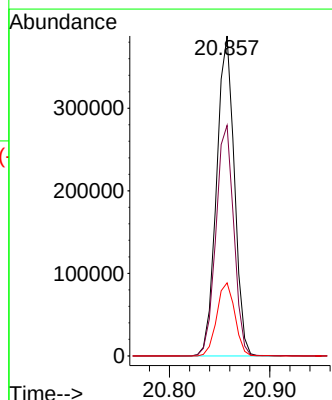
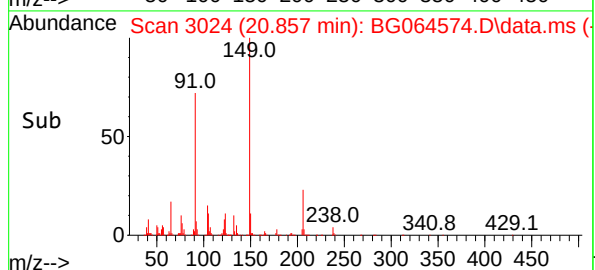
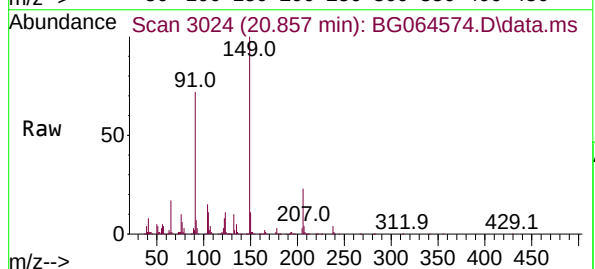
Manual Integrations
APPROVED

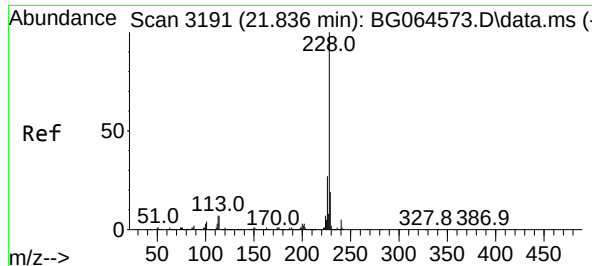
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#80
Butylbenzylphthalate
Concen: 70.914 ng
RT: 20.857 min Scan# 3024
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

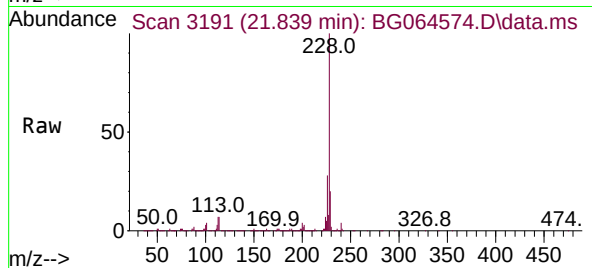
Tgt Ion:149 Resp: 477358
Ion Ratio Lower Upper
149 100
91 72.0 59.2 88.8
206 22.8 18.1 27.1





#81
Benzo(a)anthracene
Concen: 64.702 ng
RT: 21.839 min Scan# 3191
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

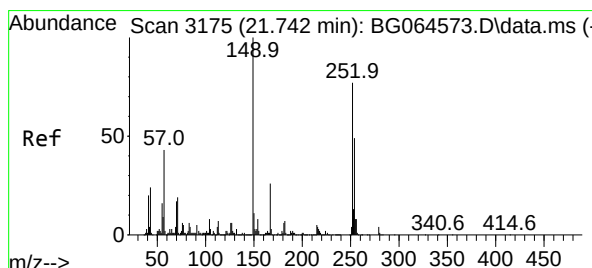
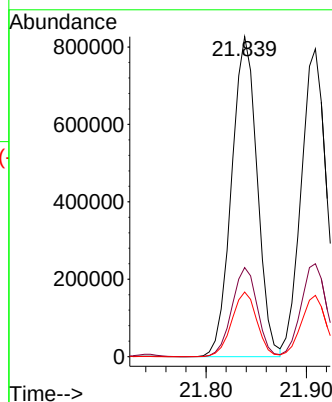
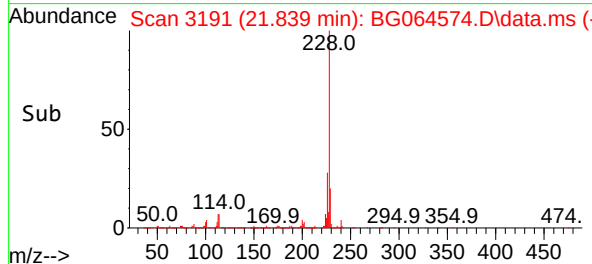
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 1462488
Ion Ratio Lower Upper
228 100
226 27.8 21.9 32.9
229 20.2 15.6 23.4

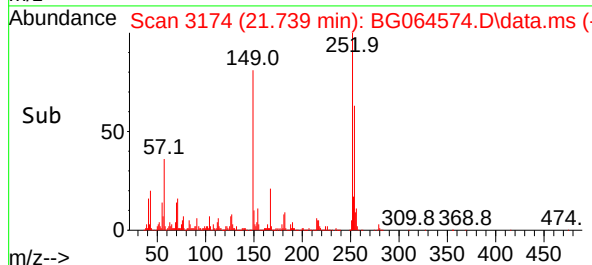
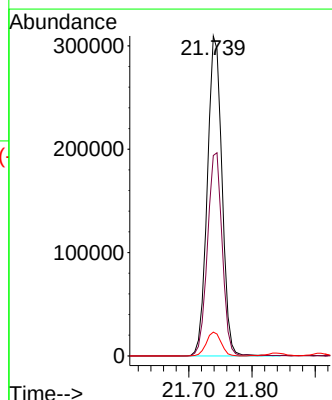
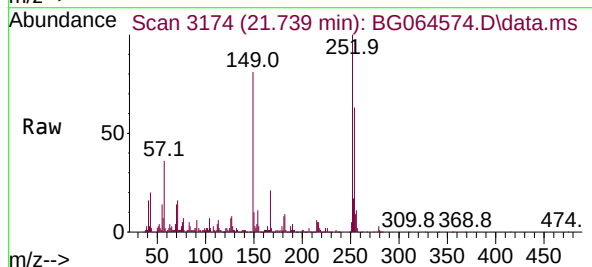
Manual Integrations
APPROVED

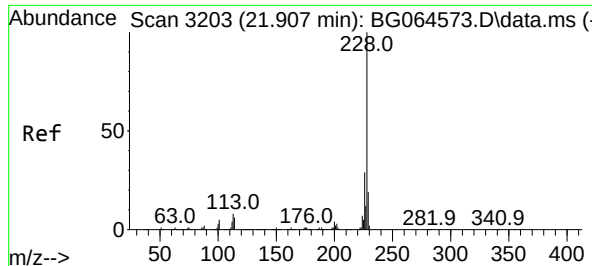
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 65.868 ng
RT: 21.739 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 497174
Ion Ratio Lower Upper
252 100
254 62.6 50.8 76.2
126 7.4 5.8 8.6





#83

Chrysene

Concen: 64.621 ng

RT: 21.909 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:228 Resp: 138982

Ion Ratio Lower Upper

228 100

226 30.2 23.3 34.9

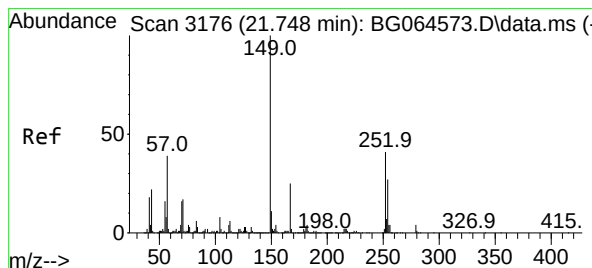
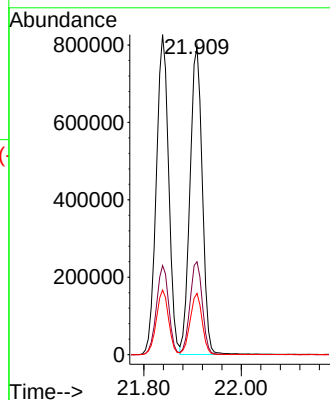
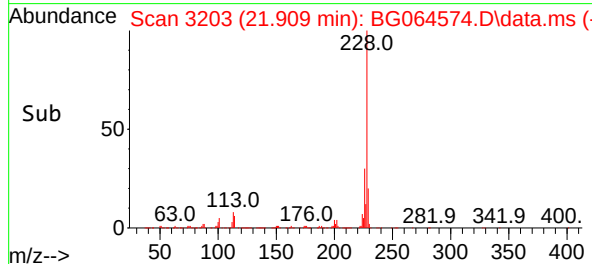
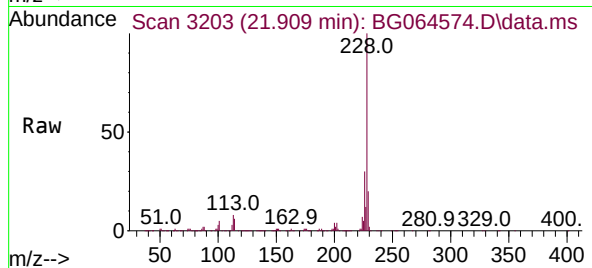
229 19.9 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 67.768 ng

RT: 21.750 min Scan# 3176

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

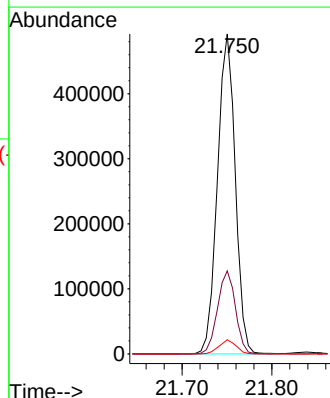
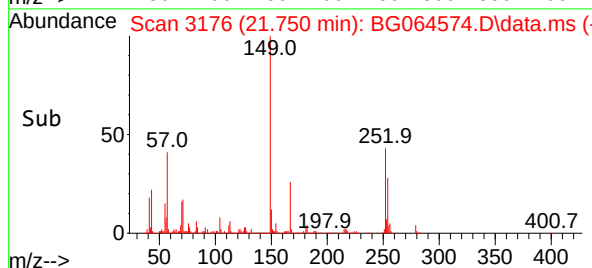
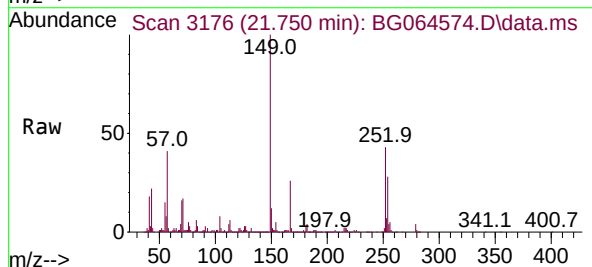
Tgt Ion:149 Resp: 681649

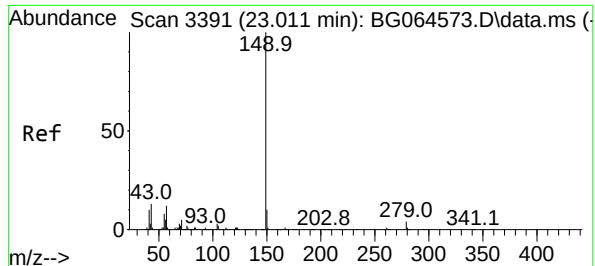
Ion Ratio Lower Upper

149 100

167 25.9 20.0 30.0

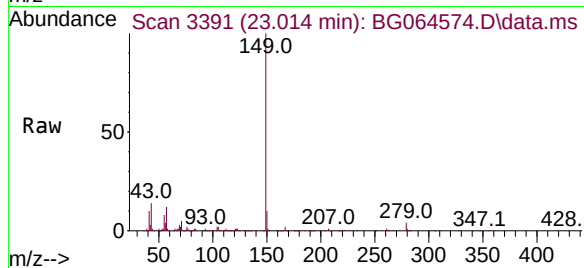
279 4.4 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 67.379 ng
RT: 23.014 min Scan# 3391
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

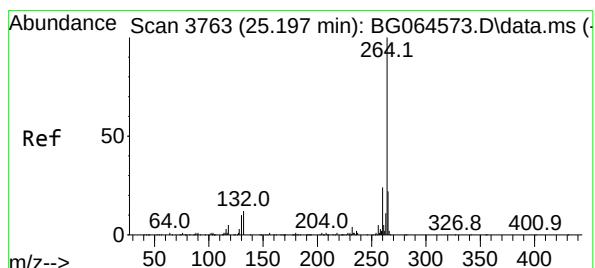
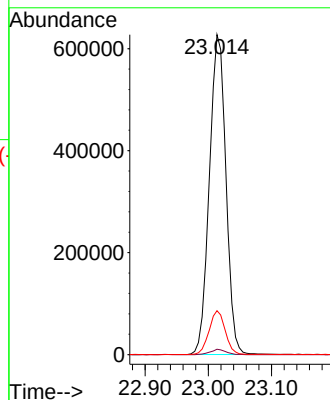
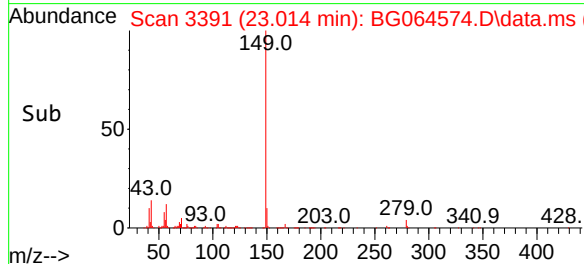
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:149 Resp: 114265
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 13.5 10.8 16.2

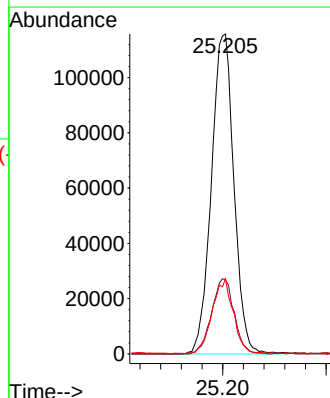
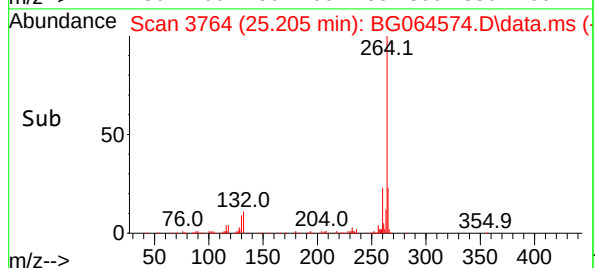
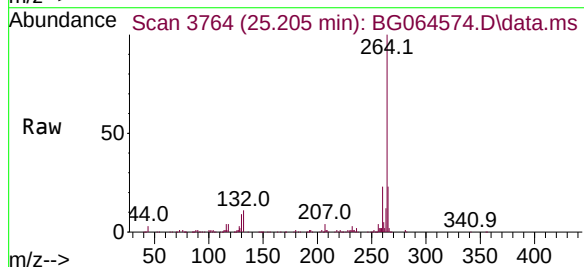
Manual Integrations
APPROVED

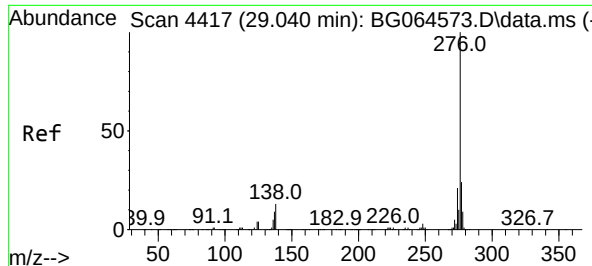
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.205 min Scan# 3764
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

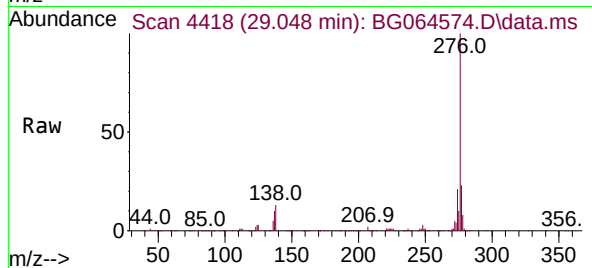
Tgt Ion:264 Resp: 350916
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.4
265 23.5 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 66.979 ng
RT: 29.048 min Scan# 4417
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

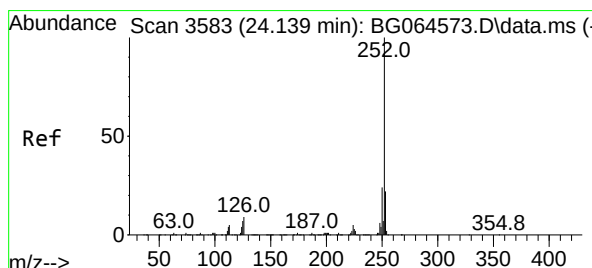
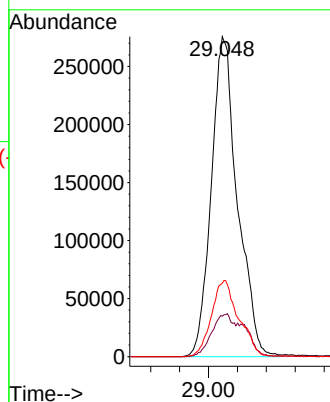
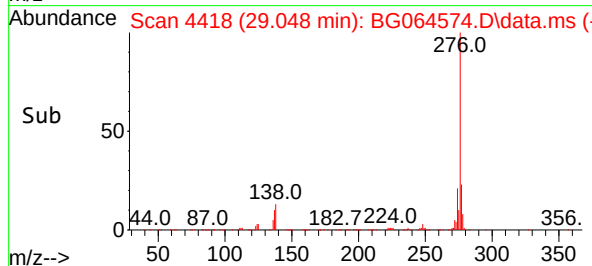
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



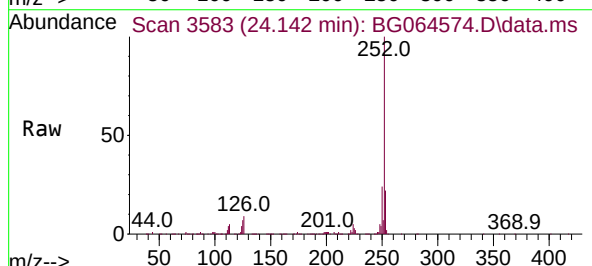
Tgt Ion: 276 Resp: 1729035
Ion Ratio Lower Upper
276 100
138 11.2 10.8 16.2
277 24.9 20.1 30.1

Manual Integrations
APPROVED

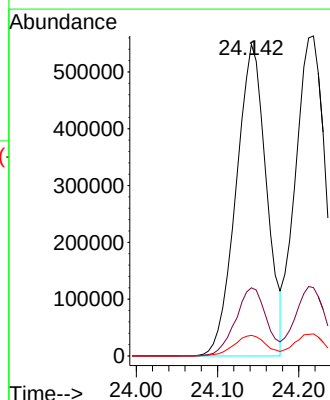
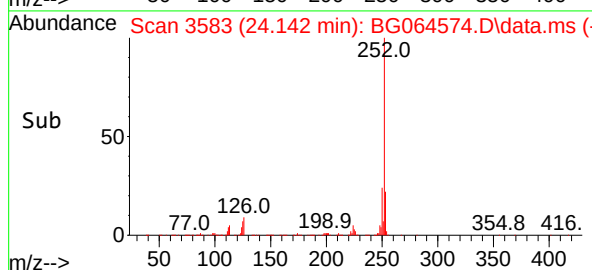
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

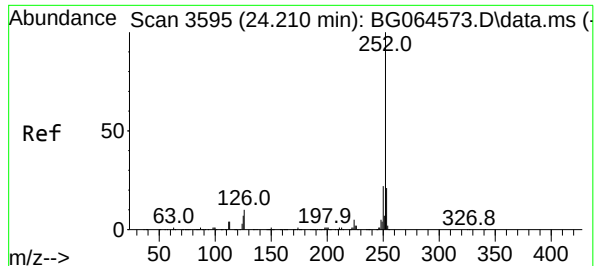


#88
Benzo(b)fluoranthene
Concen: 66.207 ng
RT: 24.142 min Scan# 3583
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



Tgt Ion: 252 Resp: 1424640
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 6.6 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 66.703 ng

RT: 24.218 min Scan# 3596

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 1436312

Ion Ratio Lower Upper

252 100

253 21.3 16.8 25.2

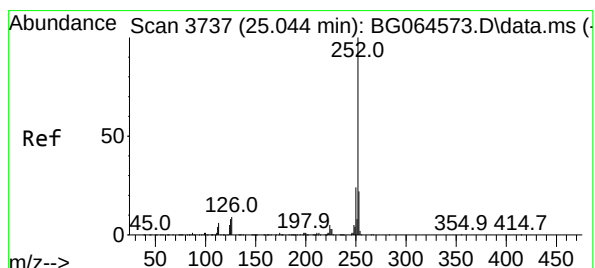
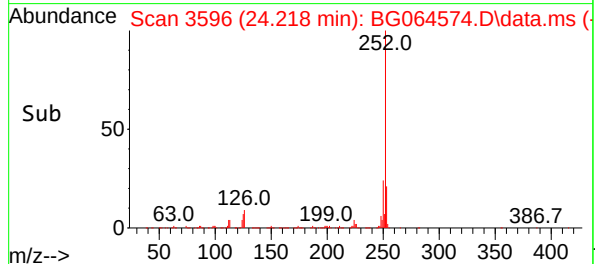
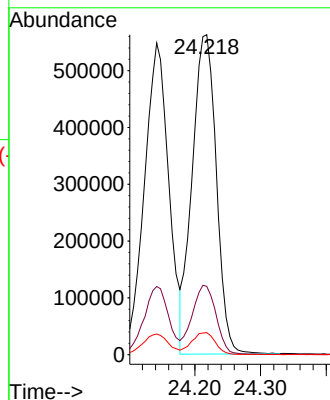
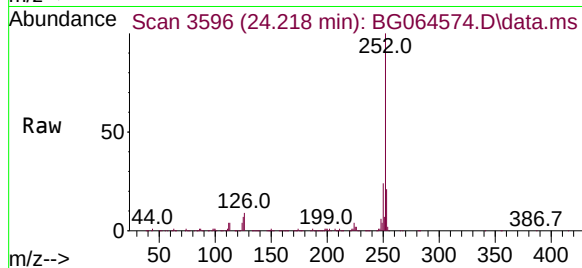
125 6.9 5.4 8.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 66.315 ng

RT: 25.052 min Scan# 3738

Delta R.T. -0.007 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

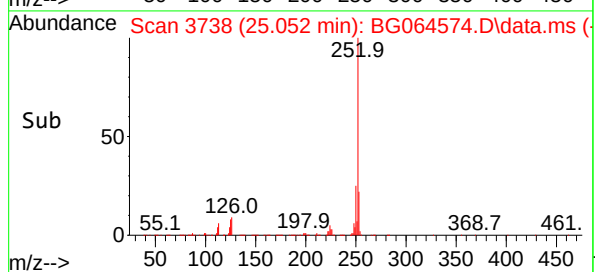
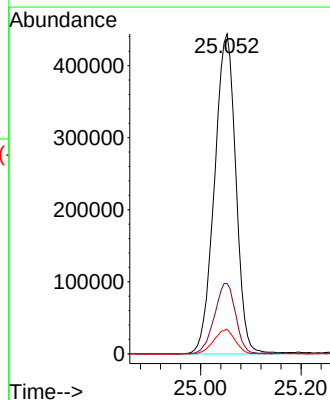
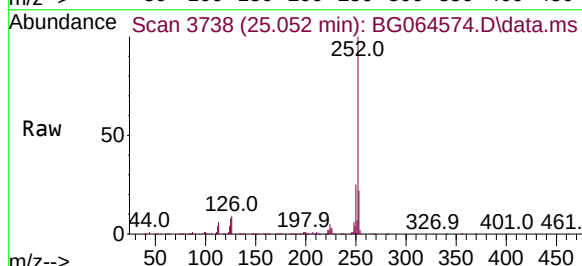
Tgt Ion:252 Resp: 1311701

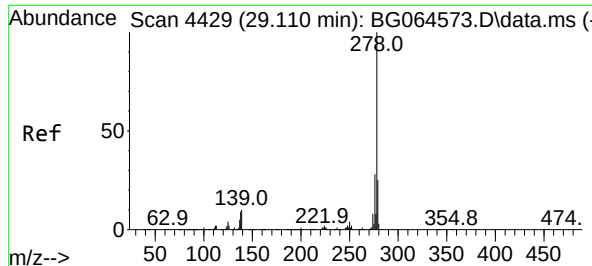
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

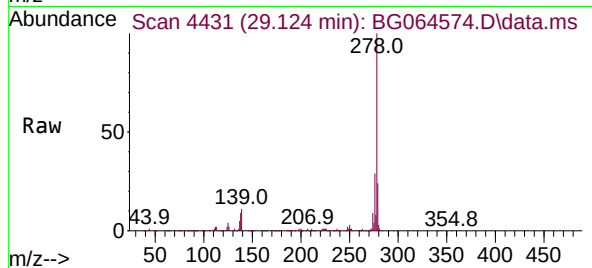
125 7.7 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 66.479 ng
RT: 29.124 min Scan# 4429
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

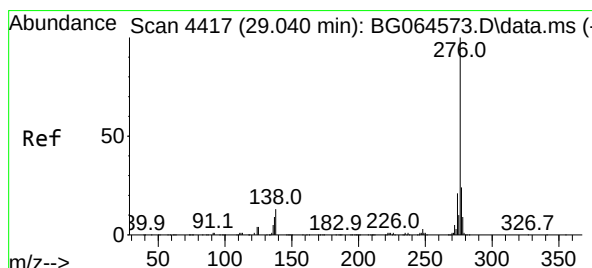
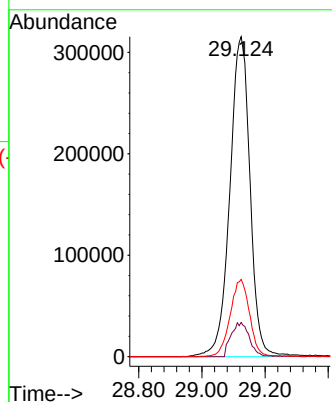
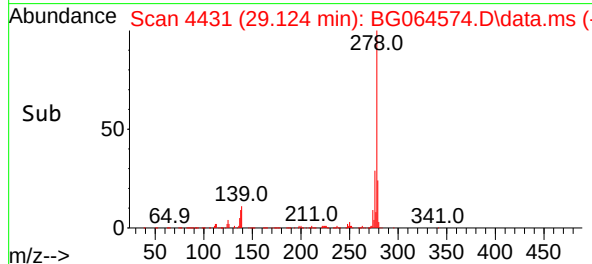
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:278 Resp: 1394234
Ion Ratio Lower Upper
278 100
139 10.7 8.0 12.0
279 24.1 19.8 29.6

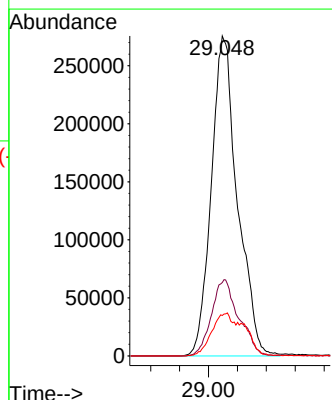
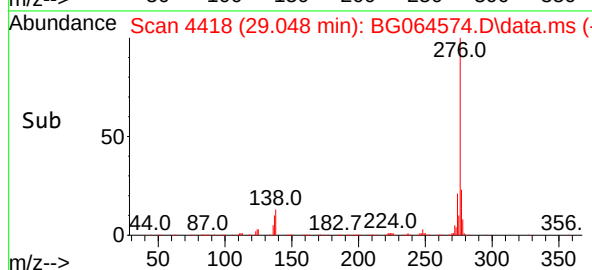
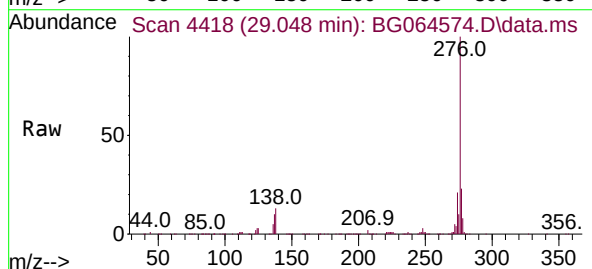
Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 66.979 ng
RT: 29.048 min Scan# 4418
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:276 Resp: 1729035
Ion Ratio Lower Upper
276 100
277 22.9 19.2 28.8
138 12.6 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064575.D
 Acq On : 24 Oct 2025 14:24
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:24 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.221	152	45466	20.000	ng	0.00
21) Naphthalene-d8	11.053	136	179569	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	133797	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	333421	20.000	ng	0.00
76) Chrysene-d12	21.863	240	363291	20.000	ng	0.00
86) Perylene-d12	25.201	264	382372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	411587	151.948	ng	0.00
7) Phenol-d6	7.357	99	554287	149.124	ng	0.00
23) Nitrobenzene-d5	9.390	82	511341	171.034	ng	0.00
42) 2,4,6-Tribromophenol	16.323	330	328066	169.886	ng	0.00
45) 2-Fluorobiphenyl	13.479	172	1314892	148.960	ng	0.00
79) Terphenyl-d14	20.177	244	2697491	140.125	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.591	88	83655	69.757	ng	99
3) Pyridine	3.996	79	259519	72.062	ng	96
4) n-Nitrosodimethylamine	3.908	42	141185	73.105	ng	99
6) Aniline	7.533	93	364528	72.073	ng	99
8) 2-Chlorophenol	7.780	128	221112	77.988	ng	99
9) Benzaldehyde	7.339	77	120456	59.361	ng	94
10) Phenol	7.386	94	307886	74.900	ng	98
11) bis(2-Chloroethyl)ether	7.533	93	364528	72.073	ng	99
12) 1,3-Dichlorobenzene	8.109	146	236208	72.385	ng	98
13) 1,4-Dichlorobenzene	8.256	146	240570	72.504	ng	97
14) 1,2-Dichlorobenzene	8.579	146	233326	72.905	ng	98
15) Benzyl Alcohol	8.456	79	233374	76.140	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.743	45	573671	72.364	ng	99
17) 2-Methylphenol	8.450	107	116107	75.783	ng	89
18) Hexachloroethane	9.325	117	87876	75.469	ng	98
19) n-Nitroso-di-n-propyla...	9.031	70	192155	74.804	ng	99
20) 3+4-Methylphenols	8.984	107	285690	74.434	ng	98
22) Acetophenone	9.049	105	365265	74.412	ng	# 99
24) Nitrobenzene	9.431	77	273231	84.025	ng	97
25) Isophorone	9.966	82	539122	75.150	ng	100
26) 2-Nitrophenol	10.148	139	103090	79.938	ng	94
27) 2,4-Dimethylphenol	10.195	122	217977m	80.082	ng	
28) bis(2-Chloroethoxy)met...	10.436	93	299758	73.388	ng	99
29) 2,4-Dichlorophenol	10.682	162	231256	80.526	ng	97
30) 1,2,4-Trichlorobenzene	10.906	180	250883	76.888	ng	97
31) Naphthalene	11.100	128	744985	74.828	ng	99
32) Benzoic acid	10.342	122	164443m	78.645	ng	
33) 4-Chloroaniline	11.188	127	290611	75.100	ng	98
34) Hexachlorobutadiene	11.393	225	196140	76.863	ng	99
35) Caprolactam	11.975	113	83266	75.596	ng	93
36) 4-Chloro-3-methylphenol	12.298	107	265909	77.031	ng	99
37) 2-Methylnaphthalene	12.692	142	542132	74.168	ng	99
38) 1-Methylnaphthalene	12.909	142	527717	73.372	ng	98
40) 1,2,4,5-Tetrachloroben...	13.056	216	351719	78.328	ng	99
41) Hexachlorocyclopentadiene	13.038	237	163461	80.876	ng	99
43) 2,4,6-Trichlorophenol	13.279	196	218318	84.998	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064575.D
 Acq On : 24 Oct 2025 14:24
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:24 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.350	196	243241	82.064	ng	99
46) 1,1'-Biphenyl	13.685	154	713186	74.977	ng	100
47) 2-Chloronaphthalene	13.732	162	547242	76.218	ng	99
48) 2-Nitroaniline	13.914	65	196580	79.301	ng	95
49) Acenaphthylene	14.566	152	858511	75.806	ng	99
50) Dimethylphthalate	14.290	163	782708	76.450	ng	98
51) 2,6-Dinitrotoluene	14.402	165	135769	78.216	ng	98
52) Acenaphthene	14.913	154	589213	76.150	ng	99
53) 3-Nitroaniline	14.731	138	159072	90.409	ng	96
54) 2,4-Dinitrophenol	14.930	184	82655	79.755	ng	# 65
55) Dibenzofuran	15.242	168	923386	73.816	ng	99
56) 4-Nitrophenol	15.018	139	142966	87.640	ng	98
57) 2,4-Dinitrotoluene	15.189	165	212164	79.117	ng	96
58) Fluorene	15.888	166	711212	72.801	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.459	232	240094	84.708	ng	99
60) Diethylphthalate	15.653	149	803621	76.874	ng	100
61) 4-Chlorophenyl-phenyle...	15.876	204	408239	74.463	ng	99
62) 4-Nitroaniline	15.894	138	173159	88.462	ng	96
63) Azobenzene	16.170	77	723988	75.482	ng	99
65) 4,6-Dinitro-2-methylph...	15.947	198	124101	80.450	ng	95
66) n-Nitrosodiphenylamine	16.088	169	666665	74.020	ng	98
67) 4-Bromophenyl-phenylether	16.769	248	299348	75.762	ng	99
68) Hexachlorobenzene	16.893	284	341338	75.724	ng	96
69) Atrazine	17.028	200	281950	72.745	ng	97
70) Pentachlorophenol	17.228	266	235472	83.771	ng	93
71) Phenanthrene	17.627	178	1340610	73.525	ng	99
72) Anthracene	17.715	178	1367044	73.704	ng	99
73) Carbazole	17.974	167	1195960	73.122	ng	99
74) Di-n-butylphthalate	18.538	149	1433446	75.790	ng	100
75) Fluoranthene	19.619	202	1663673	72.835	ng	98
77) Benzidine	19.783	184	556525	68.376	ng	98
78) Pyrene	19.977	202	1737788	73.215	ng	99
80) Butylbenzylphthalate	20.859	149	595333	82.988	ng	98
81) Benzo(a)anthracene	21.840	228	1805628	74.959	ng	99
82) 3,3'-Dichlorobenzidine	21.740	252	615546	76.524	ng	99
83) Chrysene	21.910	228	1704533	74.368	ng	97
84) Bis(2-ethylhexyl)phtha...	21.752	149	854027	79.672	ng	98
85) Di-n-octyl phthalate	23.015	149	1432956	79.289	ng	100
87) Indeno(1,2,3-cd)pyrene	29.061	276	2156428	76.663	ng	98
88) Benzo(b)fluoranthene	24.143	252	1810094	77.199	ng	99
89) Benzo(k)fluoranthene	24.219	252	1757758	74.916	ng	98
90) Benzo(a)pyrene	25.060	252	1649779	76.546	ng	99
91) Dibenzo(a,h)anthracene	29.137	278	1747890	76.486	ng	98
92) Benzo(g,h,i)perylene	29.061	276	2156428	76.663	ng	99

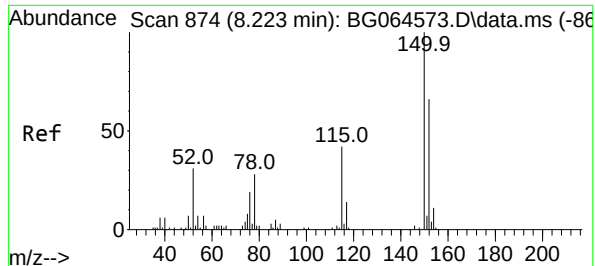
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

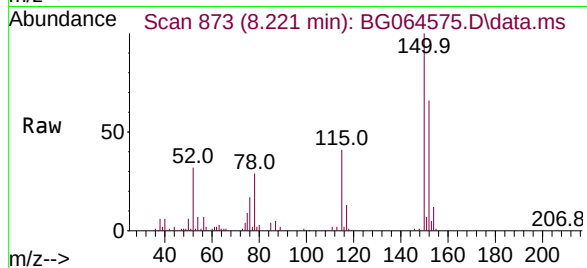
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jaagrut Upadhyay 10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

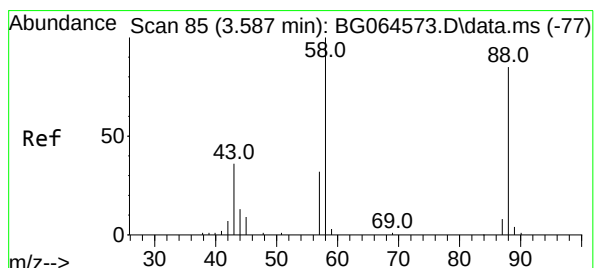
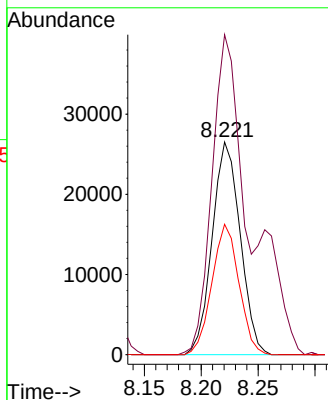
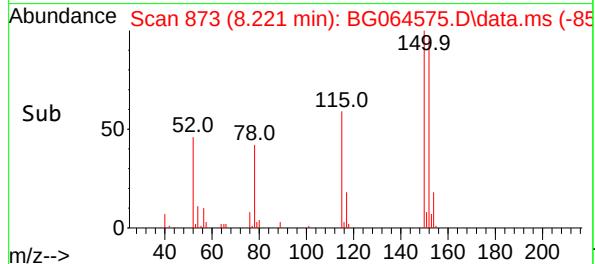
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:152 Resp: 45466
Ion Ratio Lower Upper
152 100
150 150.5 122.2 183.4
115 61.3 50.8 76.2

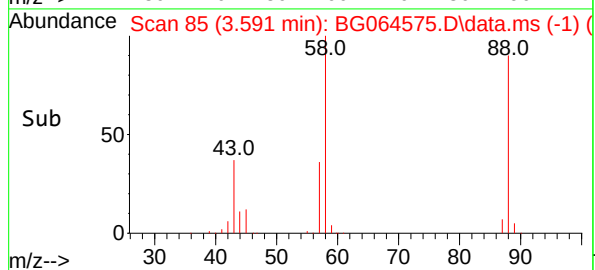
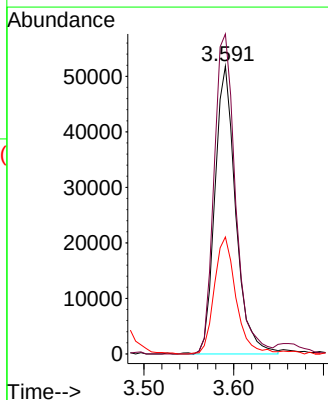
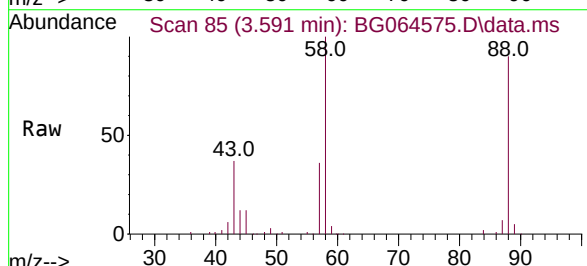
Manual Integrations
APPROVED

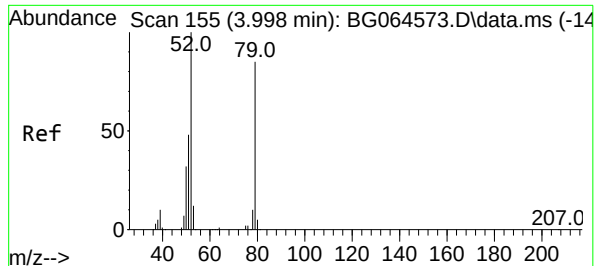
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#2
1,4-Dioxane
Concen: 69.757 ng
RT: 3.591 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

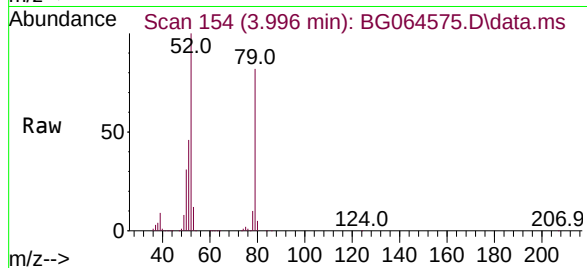
Tgt Ion: 88 Resp: 83655
Ion Ratio Lower Upper
88 100
58 114.3 92.4 138.6
43 42.2 33.0 49.6





#3
Pyridine
Concen: 72.062 ng
RT: 3.996 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

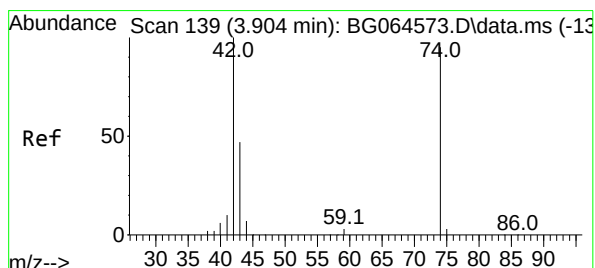
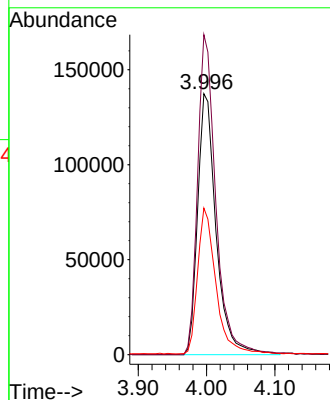
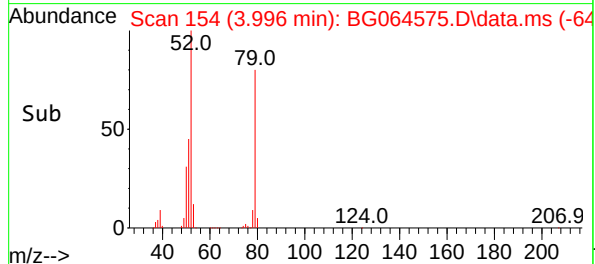
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 79 Resp: 259519
Ion Ratio Lower Upper
79 100
52 122.7 94.2 141.2
51 56.2 46.1 69.1

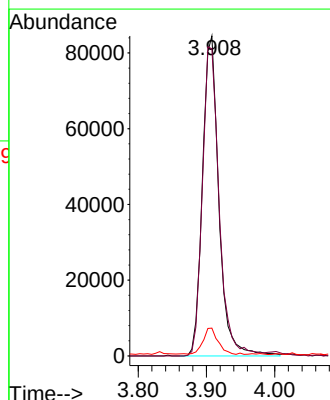
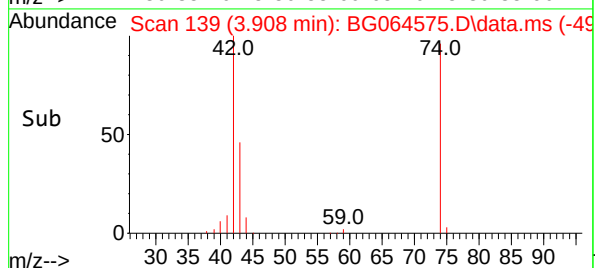
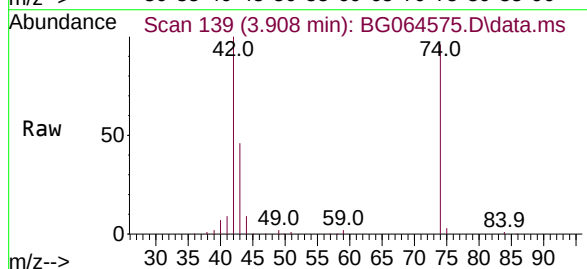
Manual Integrations
APPROVED

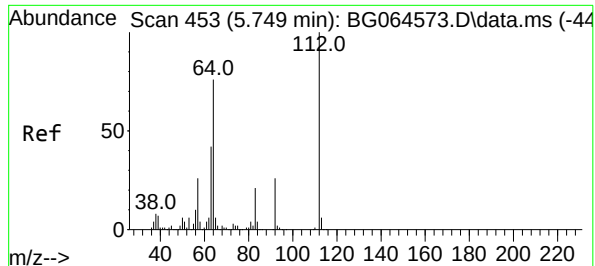
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#4
n-Nitrosodimethylamine
Concen: 73.105 ng
RT: 3.908 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

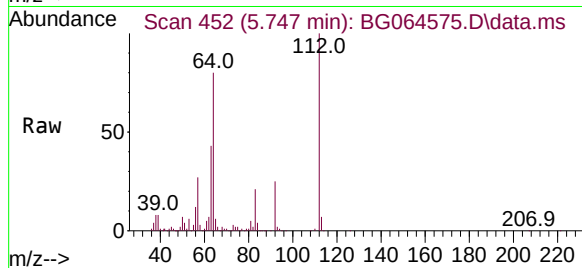
Tgt Ion: 42 Resp: 141185
Ion Ratio Lower Upper
42 100
74 96.0 76.1 114.1
44 8.7 6.3 9.5





#5
2-Fluorophenol
Concen: 151.948 ng
RT: 5.747 min Scan# 453
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

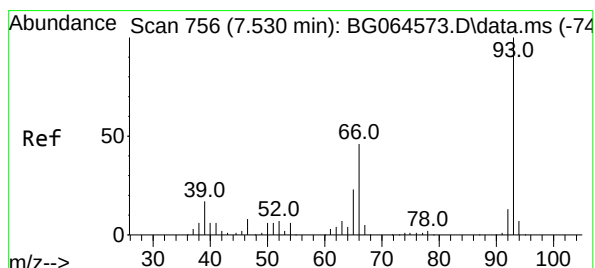
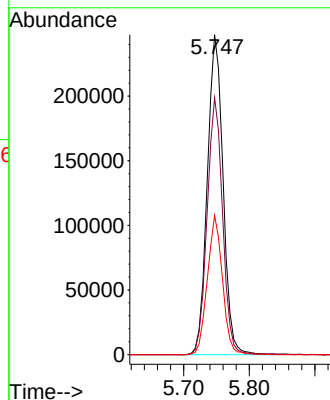
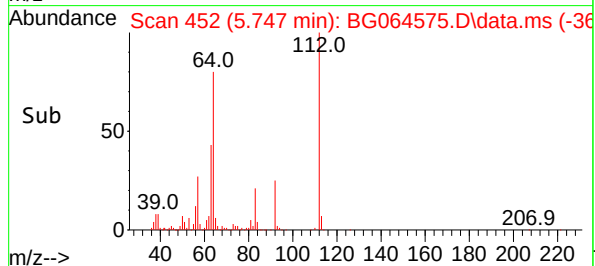
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 112 Resp: 41158
Ion Ratio Lower Upper
112 100
64 80.3 60.7 91.1
63 43.5 33.4 50.0

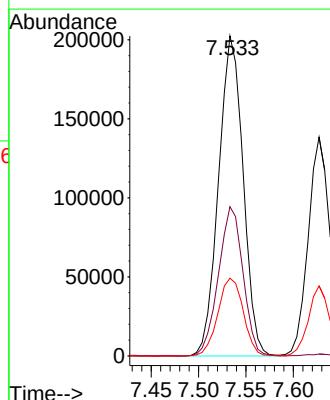
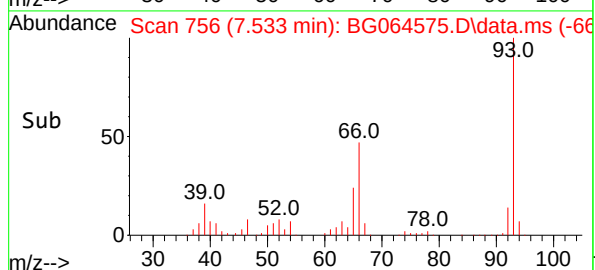
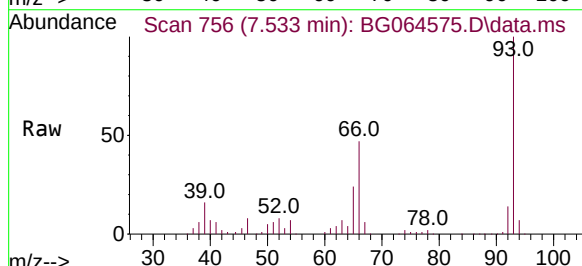
Manual Integrations
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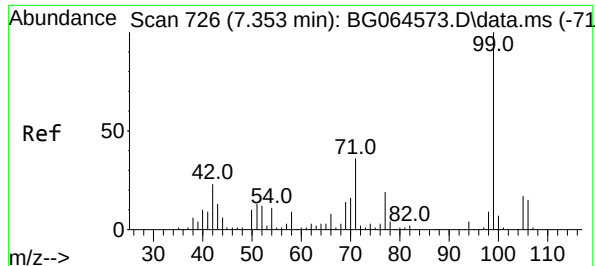
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 72.073 ng
RT: 7.533 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 364528
Ion Ratio Lower Upper
93 100
66 46.6 37.0 55.6
65 24.3 18.3 27.5





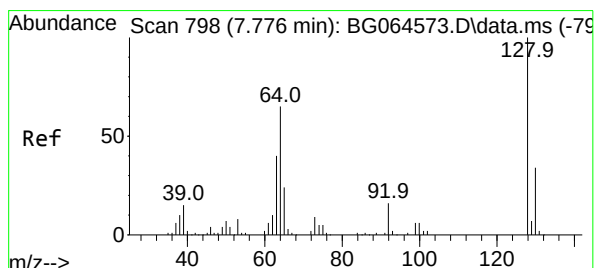
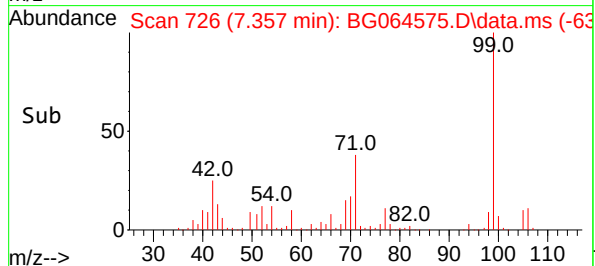
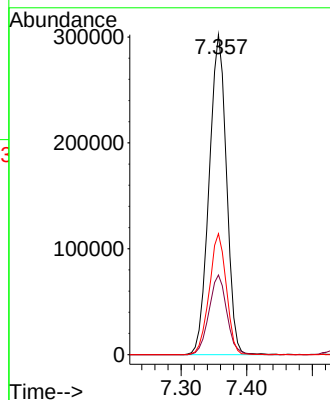
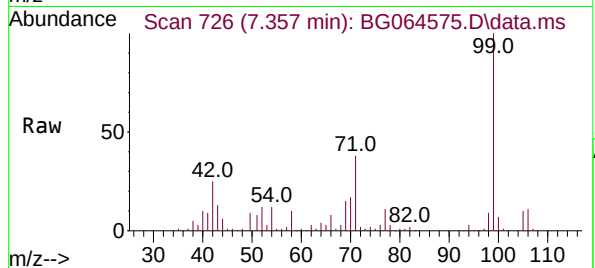
#7
Phenol-d6
Concen: 149.124 ng
RT: 7.357 min Scan# 726
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 55428
Ion Ratio Lower Upper
99 100
42 24.9 18.3 27.5
71 37.8 28.6 43.0

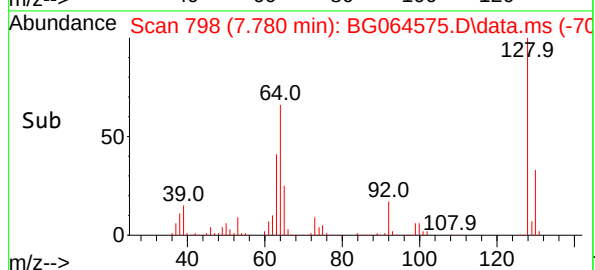
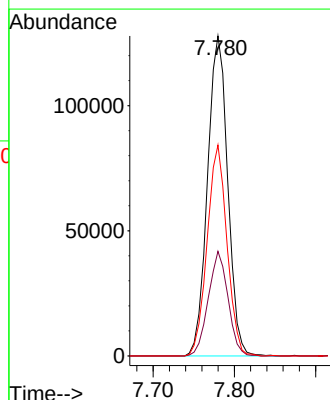
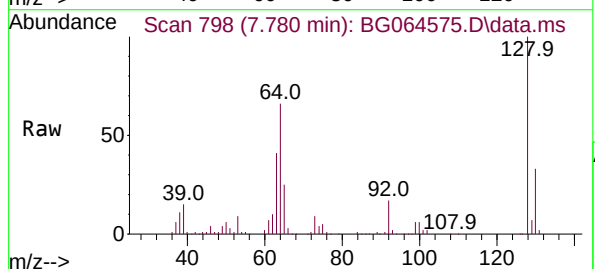
Manual Integrations
APPROVED

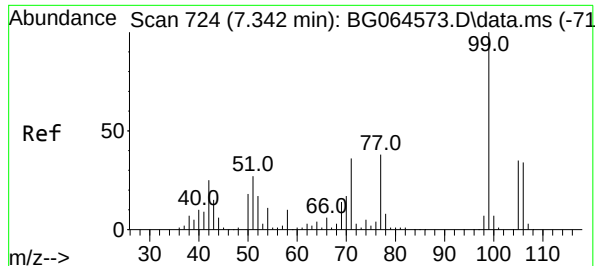
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#8
2-Chlorophenol
Concen: 77.988 ng
RT: 7.780 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

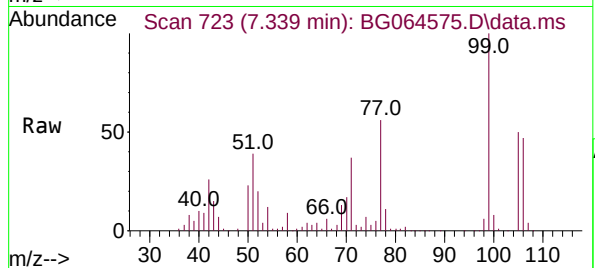
Tgt Ion:128 Resp: 221112
Ion Ratio Lower Upper
128 100
130 32.7 13.5 53.5
64 65.9 45.2 85.2





#9
Benzaldehyde
Concen: 59.361 ng
RT: 7.339 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

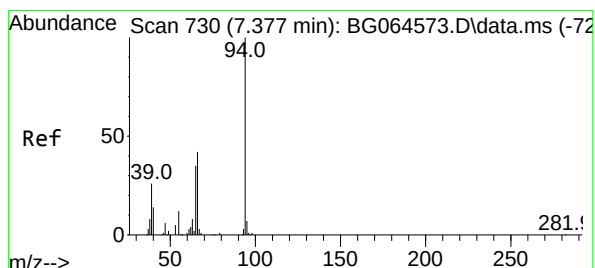
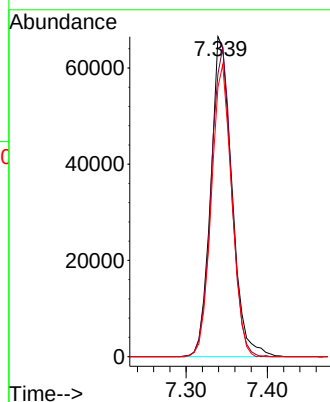
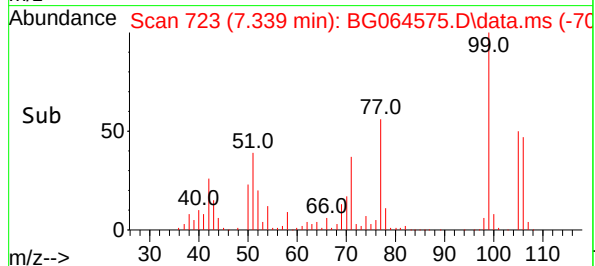
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



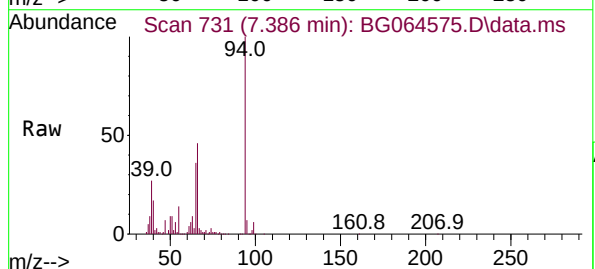
Tgt Ion: 77 Resp: 120456
Ion Ratio Lower Upper
77 100
105 88.4 72.9 112.9
106 84.2 70.8 110.8

Manual Integrations
APPROVED

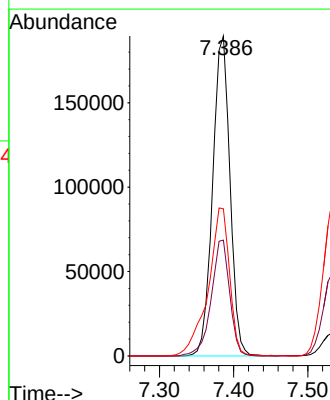
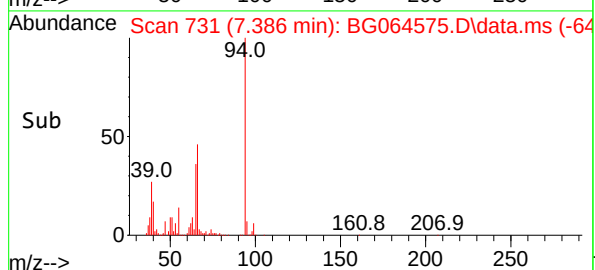
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

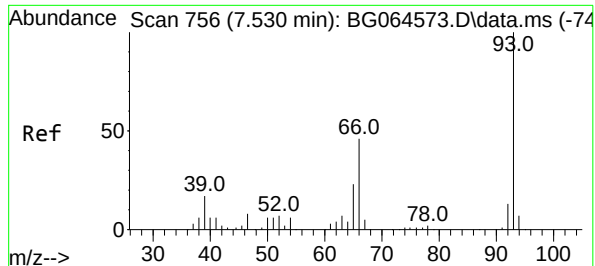


#10
Phenol
Concen: 74.900 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



Tgt Ion: 94 Resp: 307886
Ion Ratio Lower Upper
94 100
65 36.2 15.8 55.8
66 46.0 24.0 64.0





#11

bis(2-Chloroethyl)ether

Concen: 72.073 ng

RT: 7.533 min Scan# 756

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion: 93 Resp: 364528

Ion Ratio Lower Upper

93 100

63 7.2 0.0 27.4

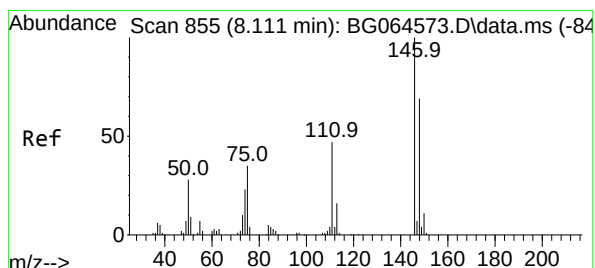
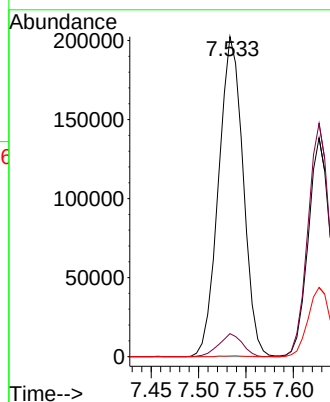
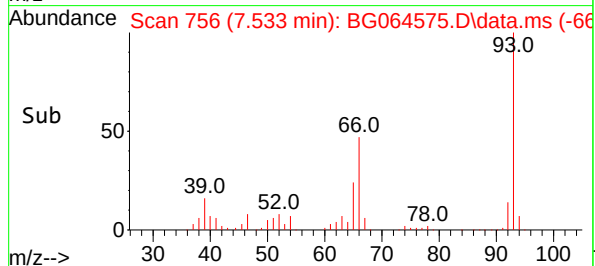
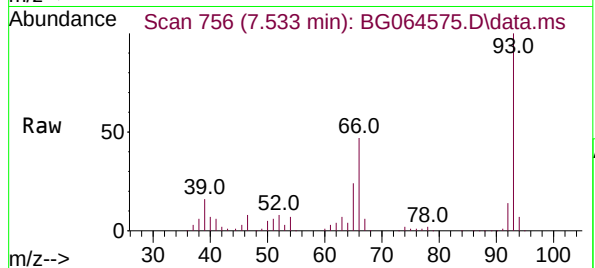
95 0.2 0.0 20.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#12

1,3-Dichlorobenzene

Concen: 72.385 ng

RT: 8.109 min Scan# 854

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

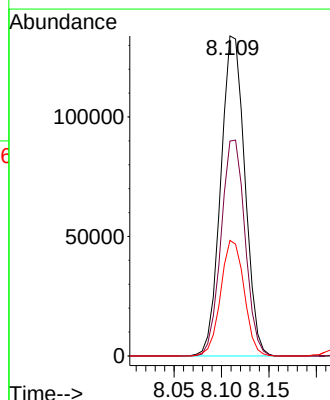
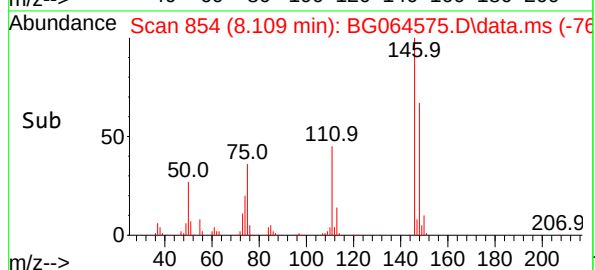
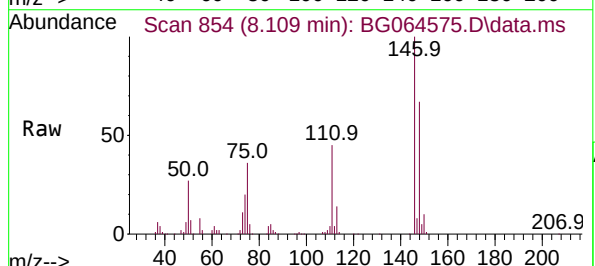
Tgt Ion:146 Resp: 236208

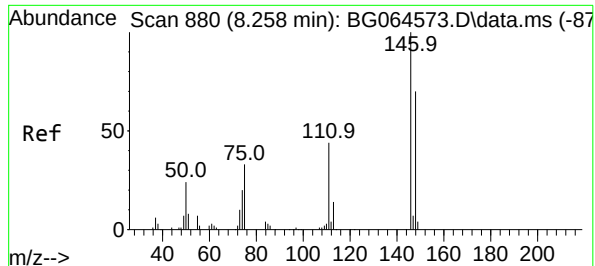
Ion Ratio Lower Upper

146 100

148 67.1 55.3 82.9

75 36.1 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 72.504 ng

RT: 8.256 min Scan# 81

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 240570

Ion Ratio Lower Upper

146 100

148 66.4 56.2 84.4

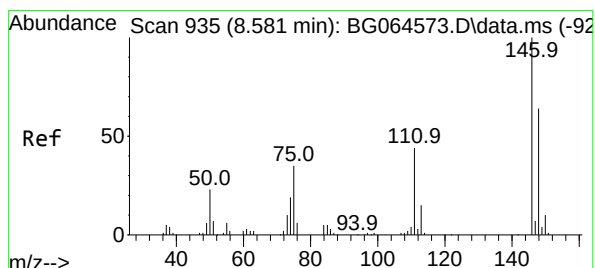
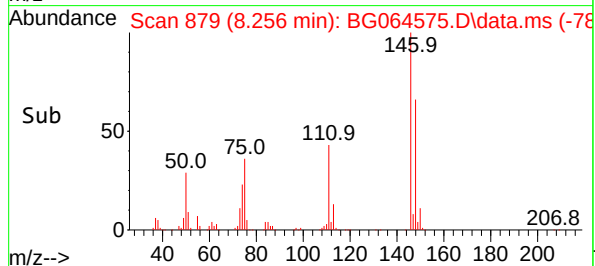
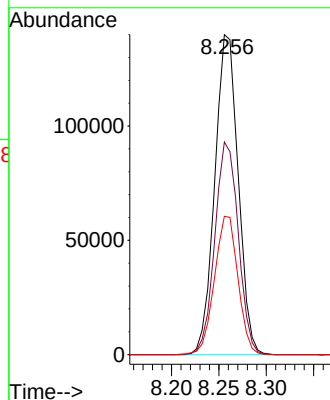
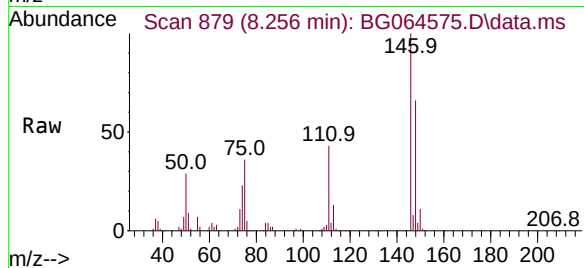
111 43.2 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 72.905 ng

RT: 8.579 min Scan# 934

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

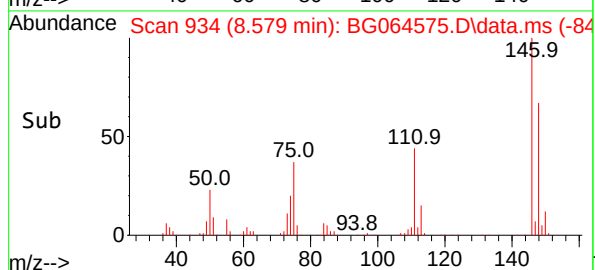
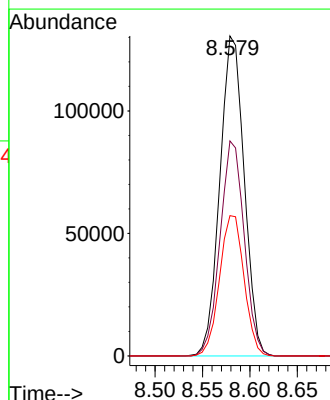
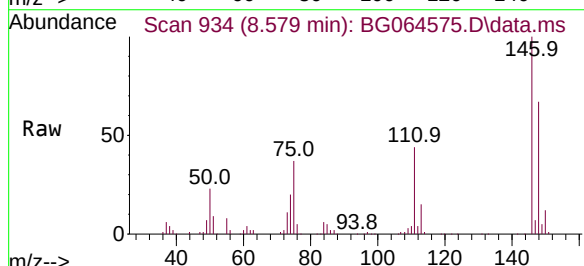
Tgt Ion:146 Resp: 233326

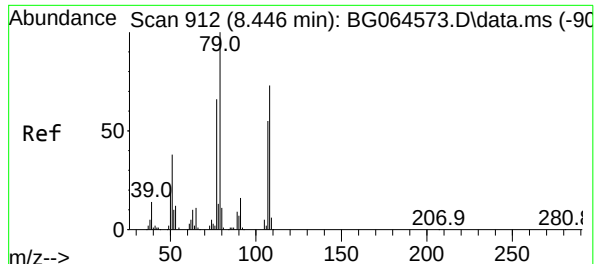
Ion Ratio Lower Upper

146 100

148 67.2 51.5 77.3

111 43.8 35.0 52.6





#15

Benzyl Alcohol

Concen: 76.140 ng

RT: 8.456 min Scan# 912

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 233374

Ion Ratio Lower Upper

79 100

108 67.5 58.1 87.1

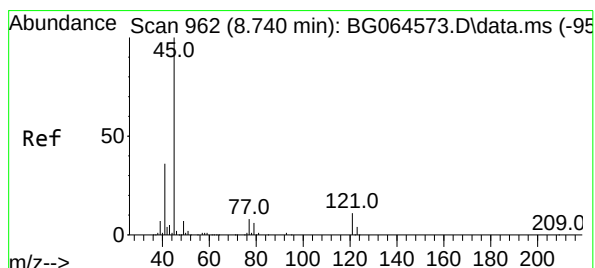
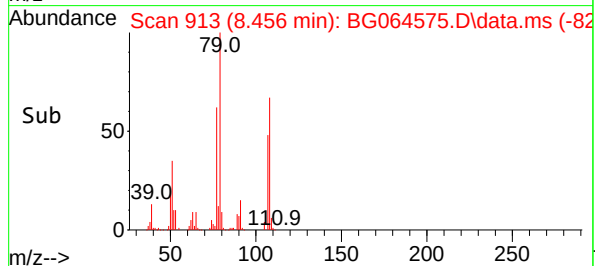
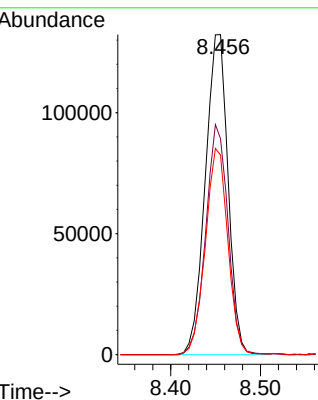
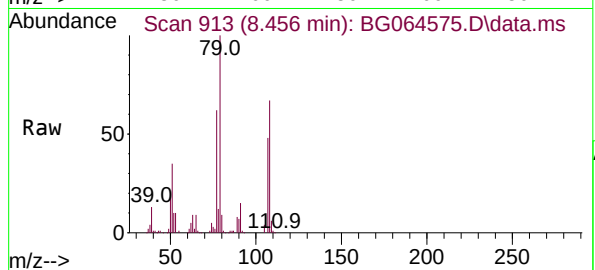
77 62.4 52.8 79.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 72.364 ng

RT: 8.743 min Scan# 962

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

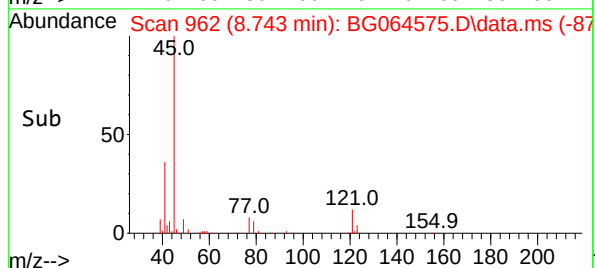
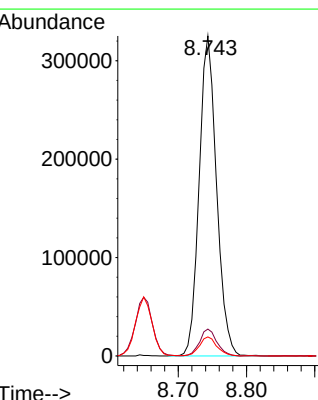
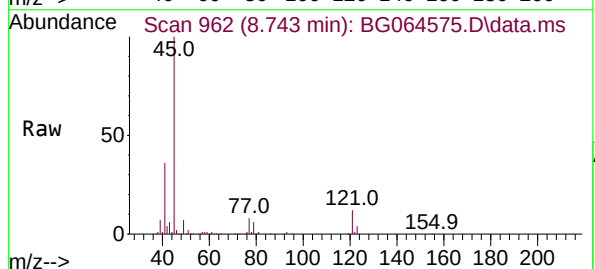
Tgt Ion: 45 Resp: 573671

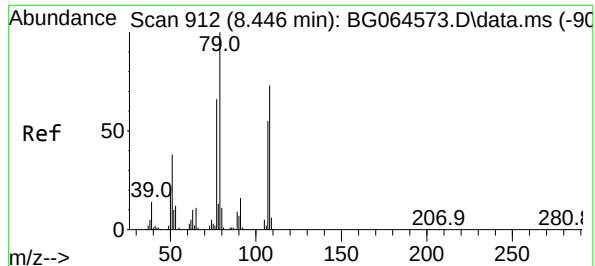
Ion Ratio Lower Upper

45 100

77 8.4 0.0 28.5

79 5.9 0.0 25.6





#17

2-Methylphenol

Concen: 75.783 ng

RT: 8.450 min Scan# 912

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:107 Resp: 116107

Ion Ratio Lower Upper

107 100

108 145.0 106.4 159.6

77 130.0 96.7 145.1

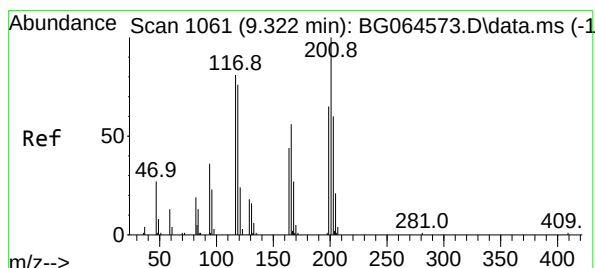
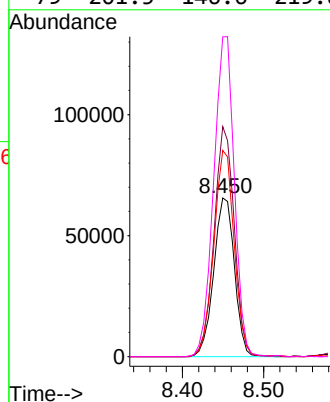
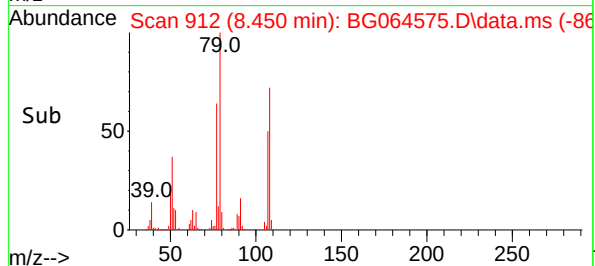
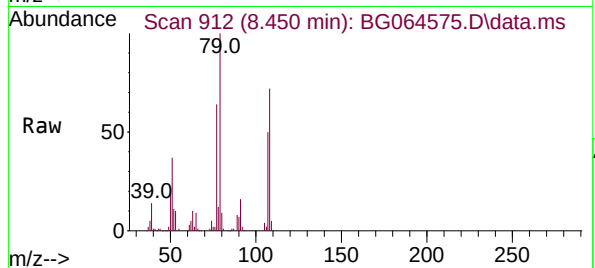
79 201.5 146.6 219.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 75.469 ng

RT: 9.325 min Scan# 1061

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

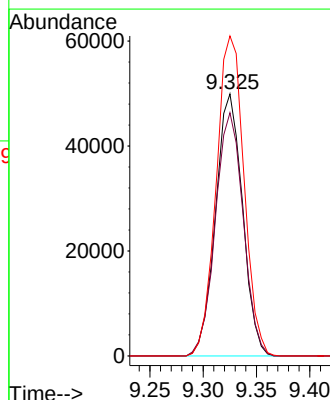
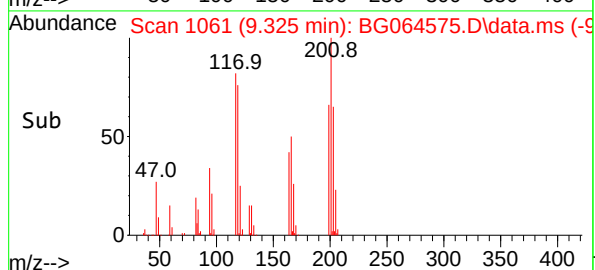
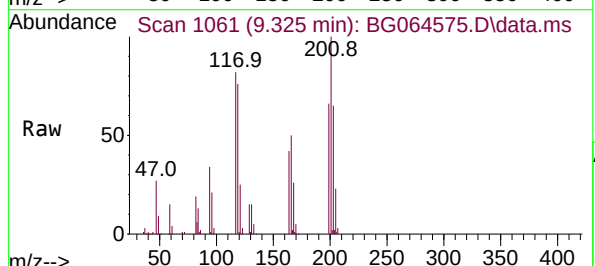
Tgt Ion:117 Resp: 87876

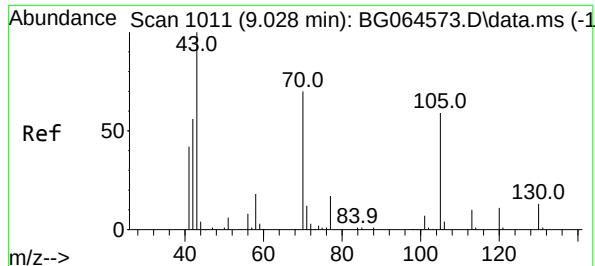
Ion Ratio Lower Upper

117 100

119 92.8 75.4 113.2

201 122.1 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 74.804 ng

RT: 9.031 min Scan# 1011

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 19215

Ion Ratio Lower Upper

70 100

42 80.5 65.2 97.8

101 9.3 7.9 11.9

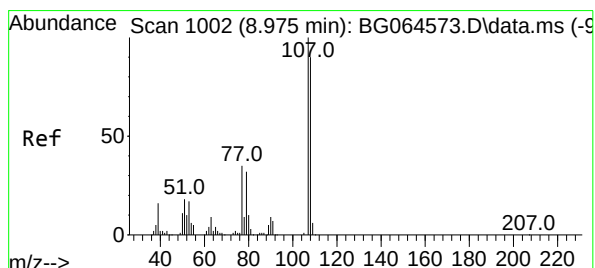
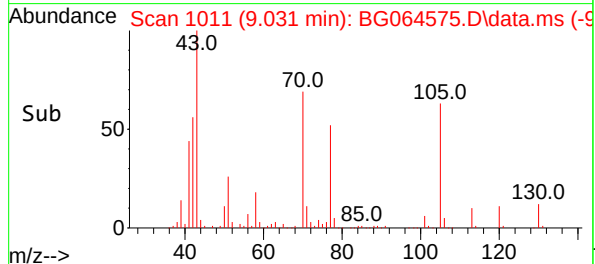
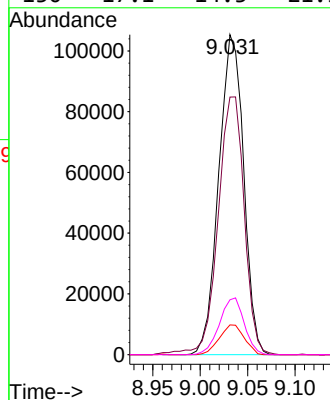
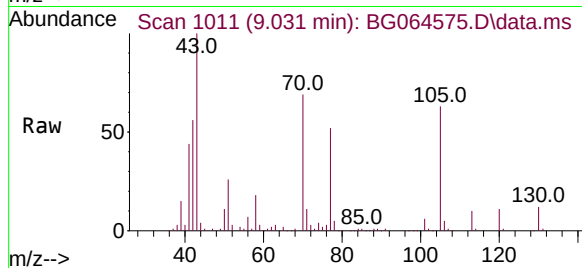
130 17.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 74.434 ng

RT: 8.984 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 285690

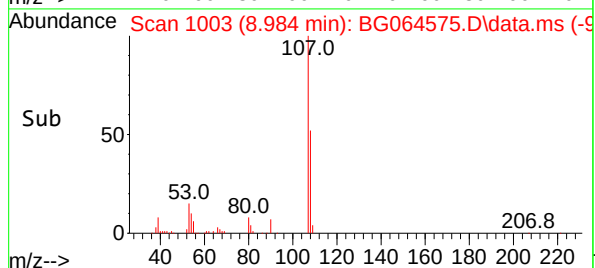
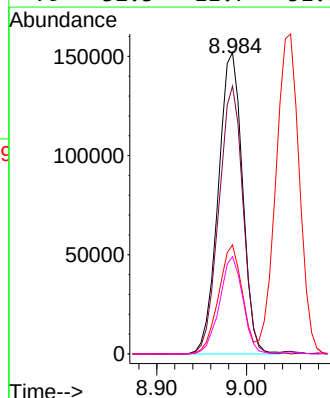
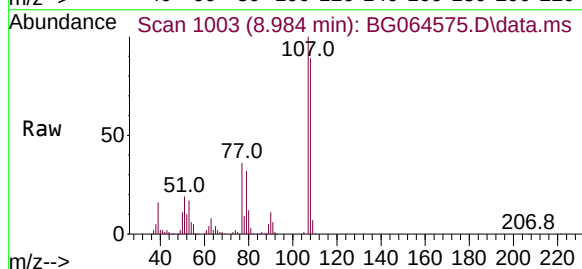
Ion Ratio Lower Upper

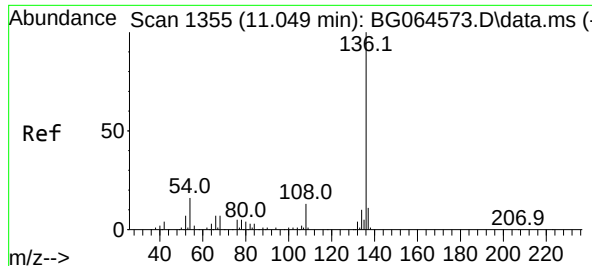
107 100

108 88.9 70.3 110.3

77 36.2 14.6 54.6

79 32.3 11.7 51.7





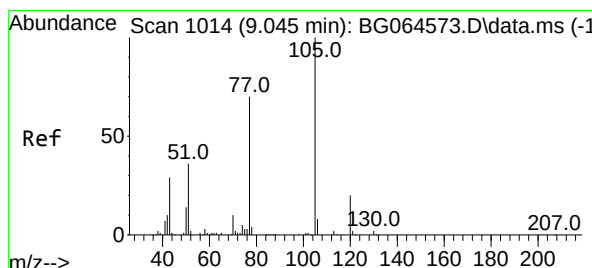
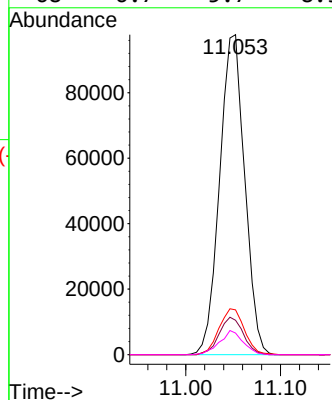
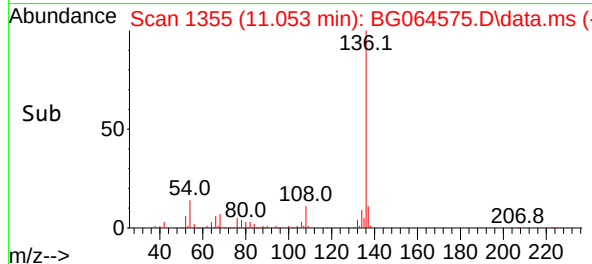
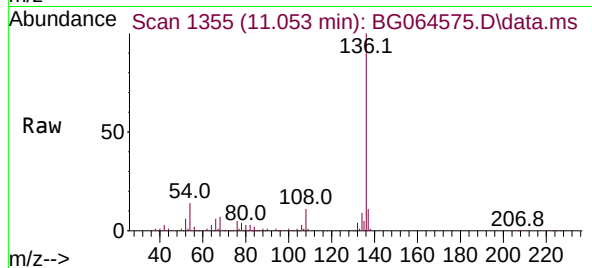
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.053 min Scan# 1355
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 179569
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 14.0 12.6 19.0
68 6.7 5.7 8.5

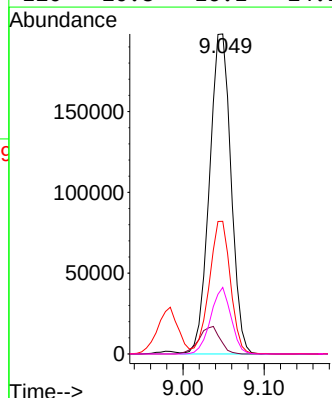
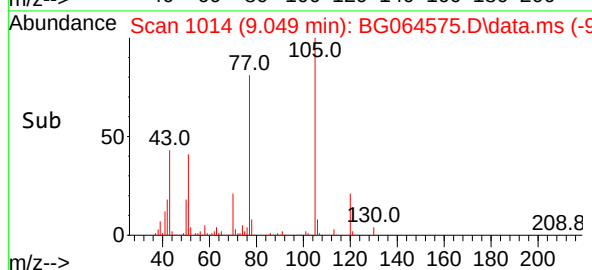
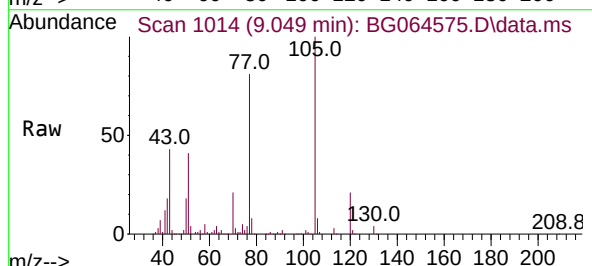
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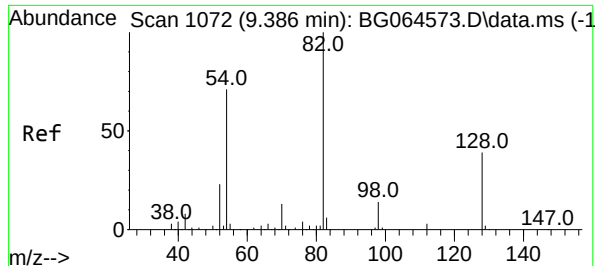
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#22
Acetophenone
Concen: 74.412 ng
RT: 9.049 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

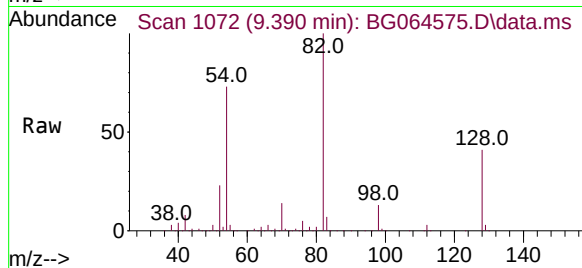
Tgt Ion:105 Resp: 365265
Ion Ratio Lower Upper
105 100
71 3.4 1.5 2.3#
51 41.4 33.7 50.5
120 20.8 16.1 24.1





#23
Nitrobenzene-d5
Concen: 171.034 ng
RT: 9.390 min Scan# 1072
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

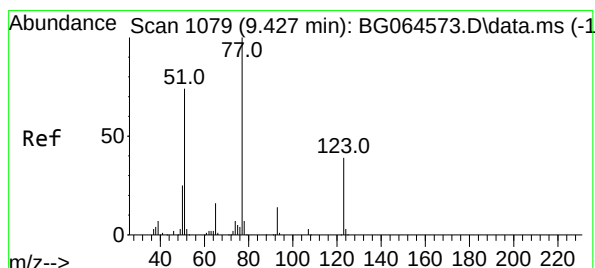
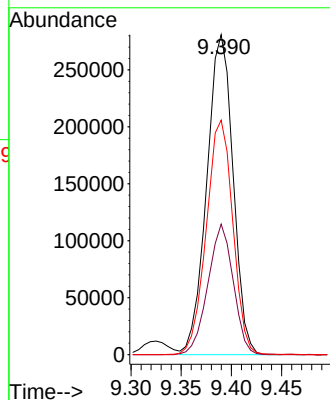
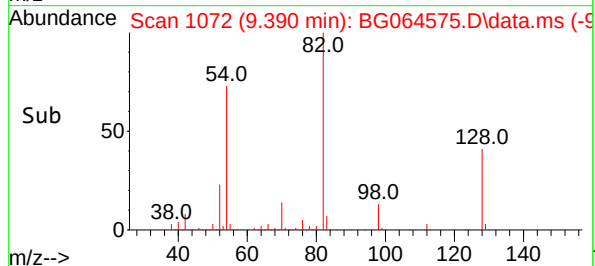
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



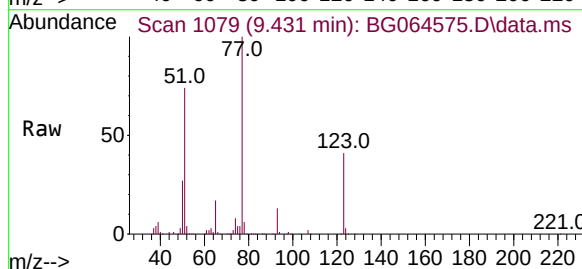
Tgt Ion: 82 Resp: 51134
Ion Ratio Lower Upper
82 100
128 40.8 31.3 46.9
54 73.3 56.6 84.8

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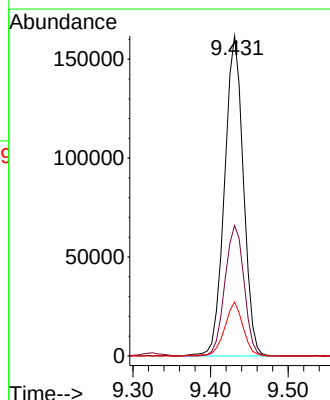
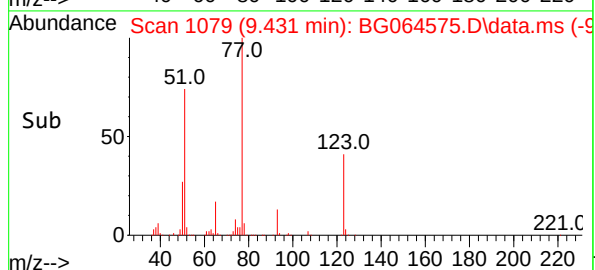
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

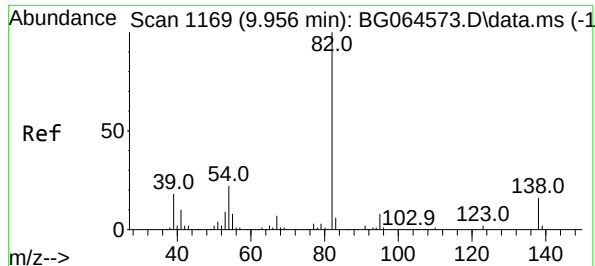


#24
Nitrobenzene
Concen: 84.025 ng
RT: 9.431 min Scan# 1079
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



Tgt Ion: 77 Resp: 273231
Ion Ratio Lower Upper
77 100
123 40.7 31.0 46.6
65 16.8 12.7 19.1





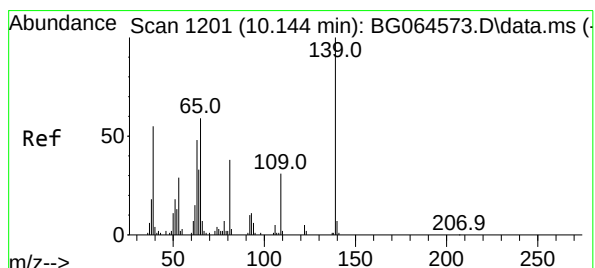
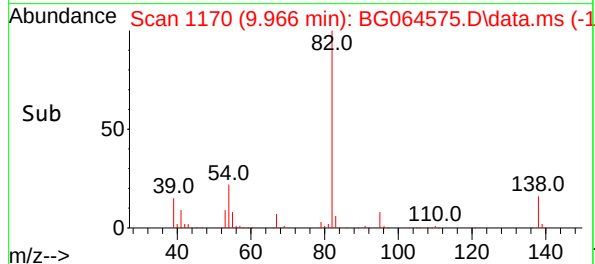
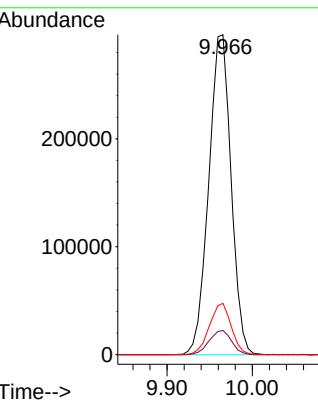
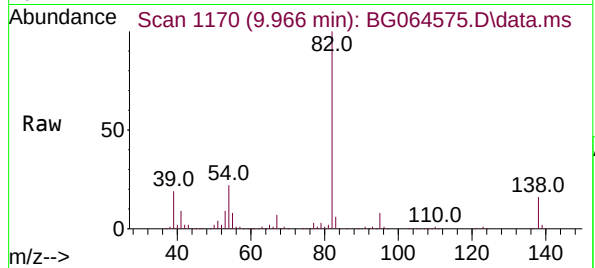
#25
Isophorone
Concen: 75.150 ng
RT: 9.966 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 53912
Ion Ratio Lower Upper
82 100
95 7.5 6.1 9.1
138 16.0 13.0 19.4

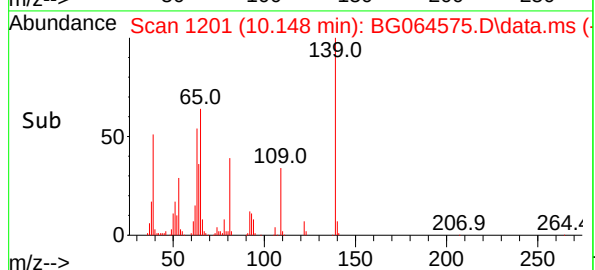
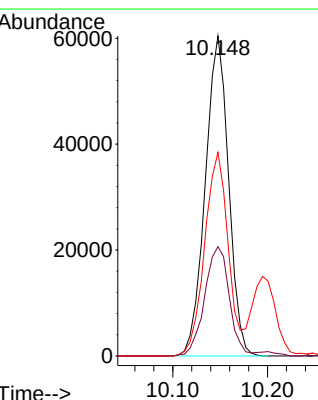
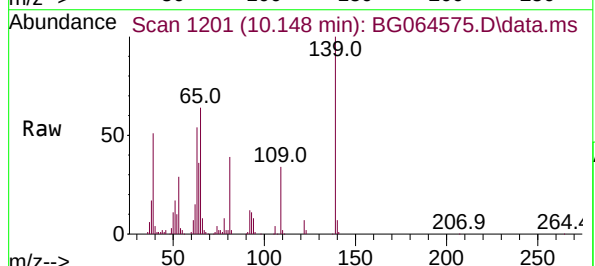
Manual Integrations
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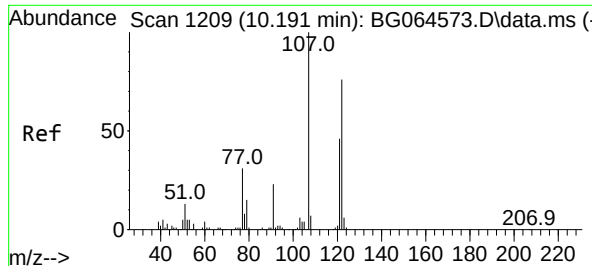
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#26
2-Nitrophenol
Concen: 79.938 ng
RT: 10.148 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:139 Resp: 103090
Ion Ratio Lower Upper
139 100
109 34.1 24.6 37.0
65 63.6 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 80.082 ng m

RT: 10.195 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 21797

Ion Ratio Lower Upper

122 100

107 125.0 103.0 154.4

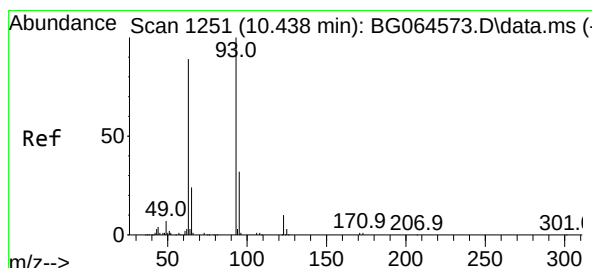
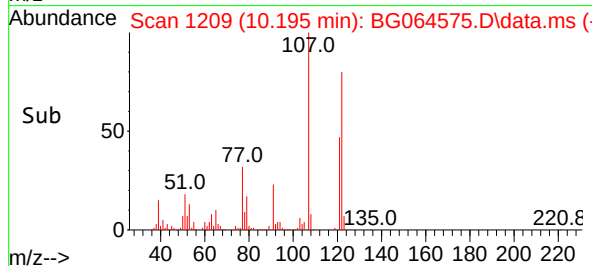
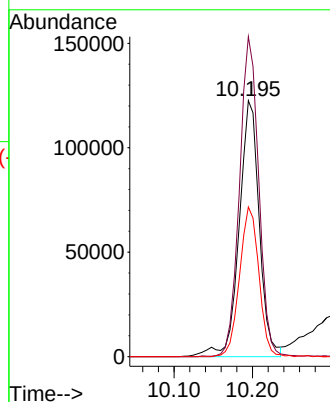
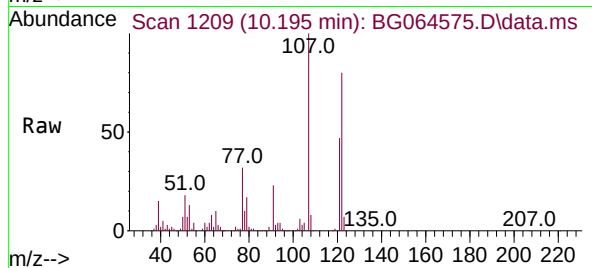
121 58.5 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#28

bis(2-Chloroethoxy)methane

Concen: 73.388 ng

RT: 10.436 min Scan# 1250

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

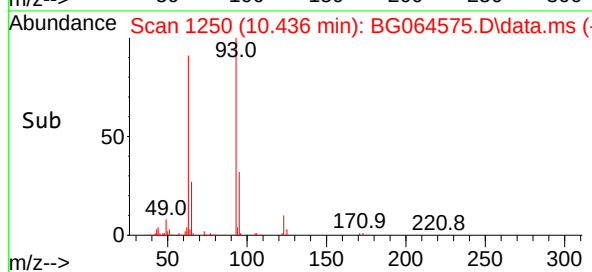
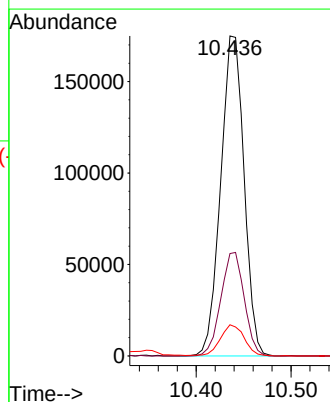
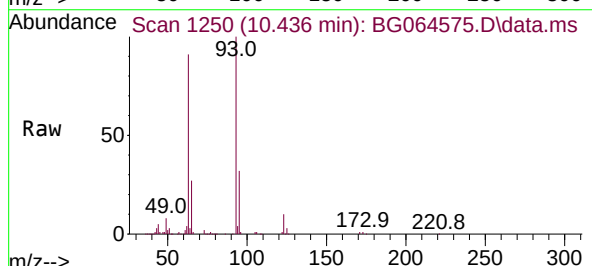
Tgt Ion: 93 Resp: 299758

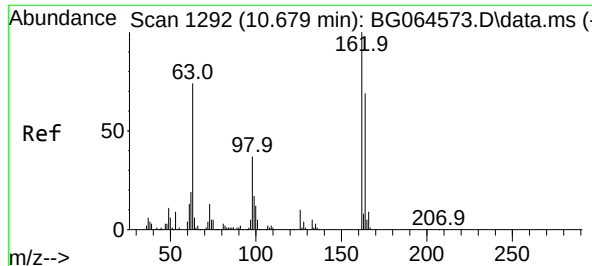
Ion Ratio Lower Upper

93 100

95 32.0 25.4 38.2

123 9.7 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 80.526 ng

RT: 10.682 min Scan# 1292

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

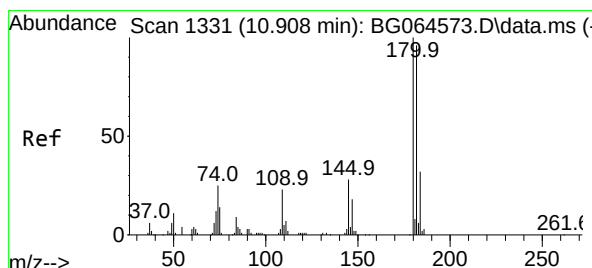
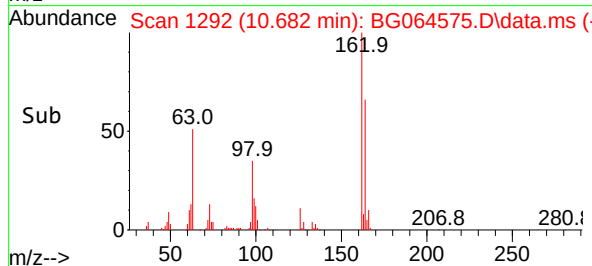
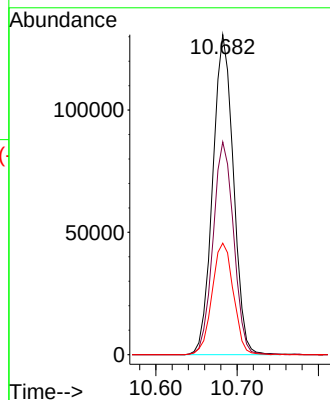
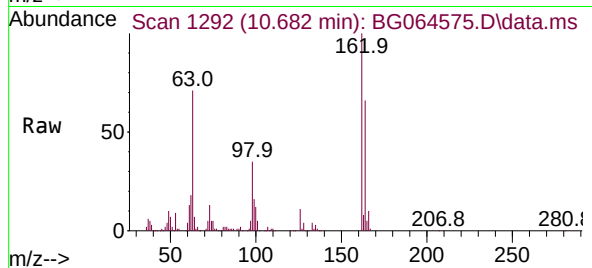
ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 231256
Ion Ratio Lower Upper
162 100
164 66.5 48.7 88.7
98 34.8 16.9 56.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 76.888 ng

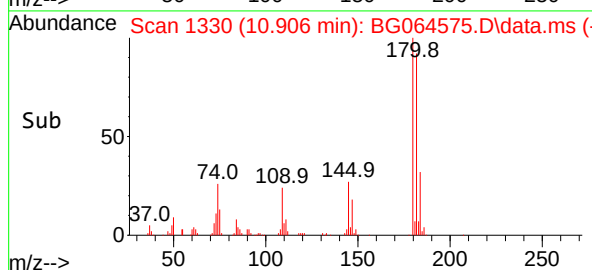
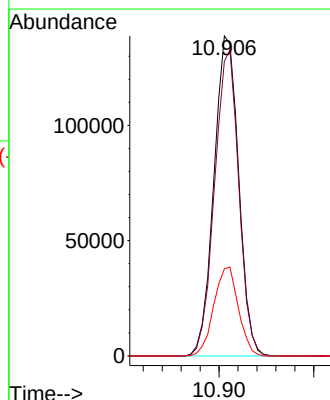
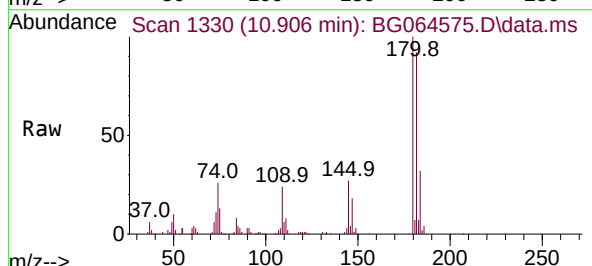
RT: 10.906 min Scan# 1330

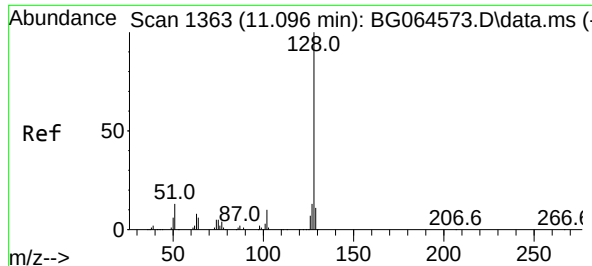
Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

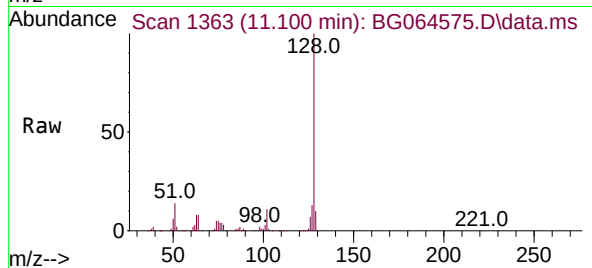
Tgt Ion:180 Resp: 250883
Ion Ratio Lower Upper
180 100
182 92.0 76.9 115.3
145 27.2 22.1 33.1





#31
Naphthalene
Concen: 74.828 ng
RT: 11.100 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

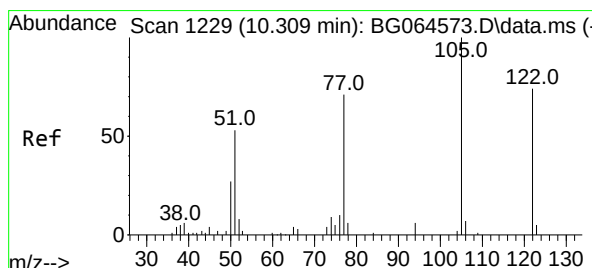
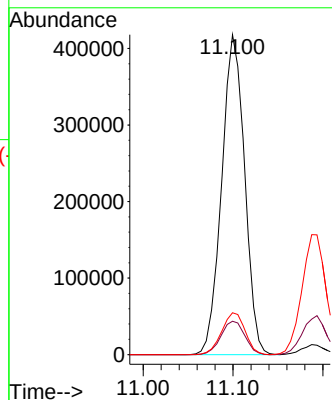
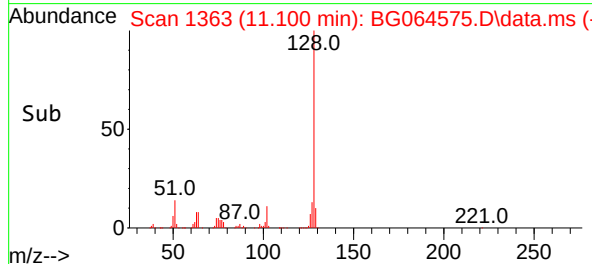
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:128 Resp: 744985
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 13.1 10.6 15.8

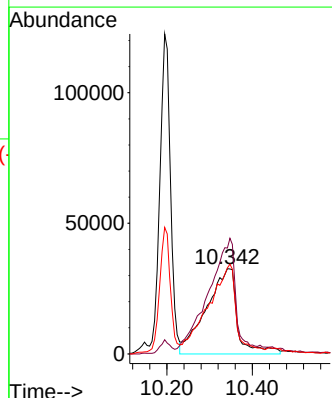
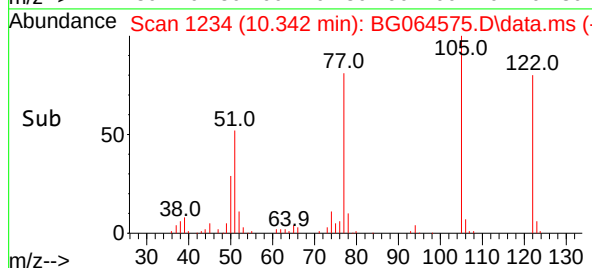
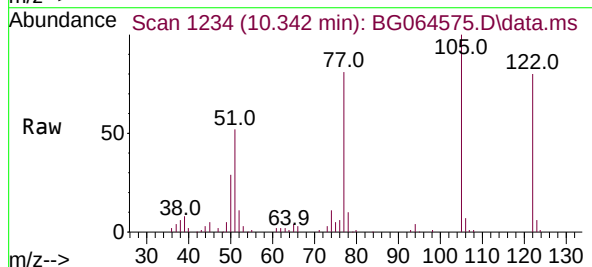
Manual Integrations
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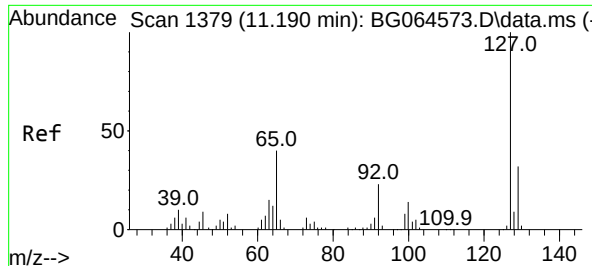
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 78.645 ng m
RT: 10.342 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

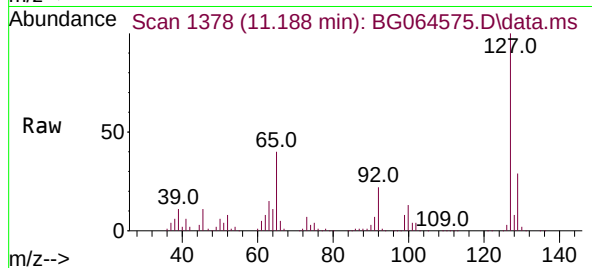
Tgt Ion:122 Resp: 164443
Ion Ratio Lower Upper
122 100
105 124.4 104.2 144.2
77 100.9 70.2 110.2





#33
4-Chloroaniline
Concen: 75.100 ng
RT: 11.188 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

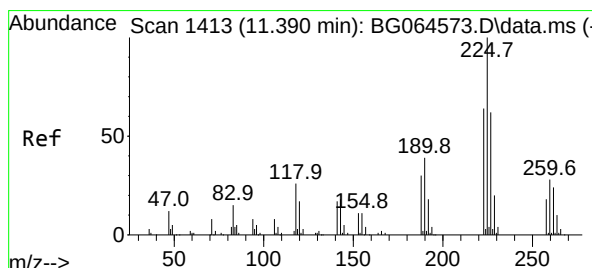
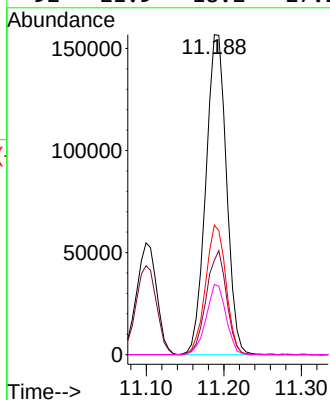
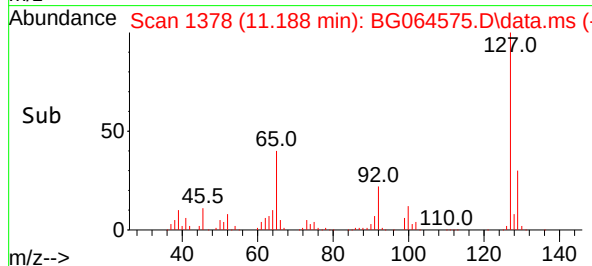
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



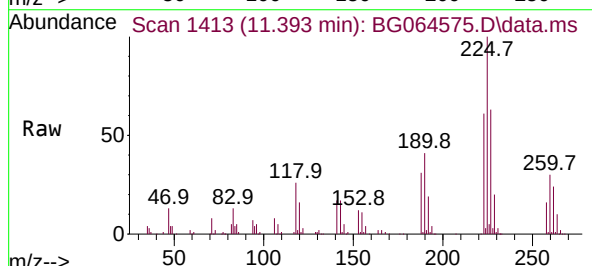
Tgt Ion:127 Resp: 290611
Ion Ratio Lower Upper
127 100
129 29.5 25.5 38.3
65 40.5 32.2 48.4
92 21.9 18.2 27.2

Manual Integrations
APPROVED

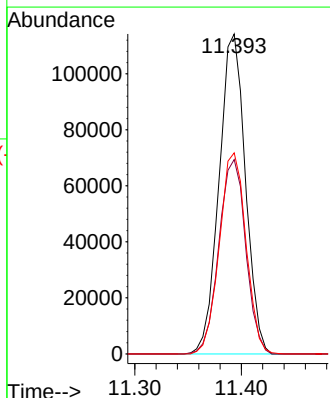
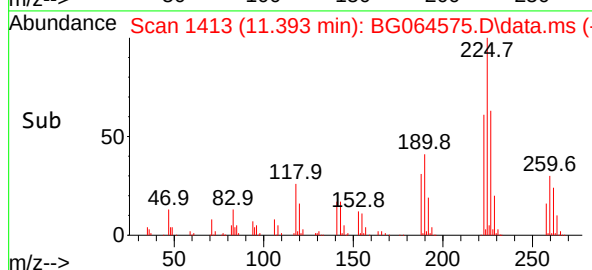
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

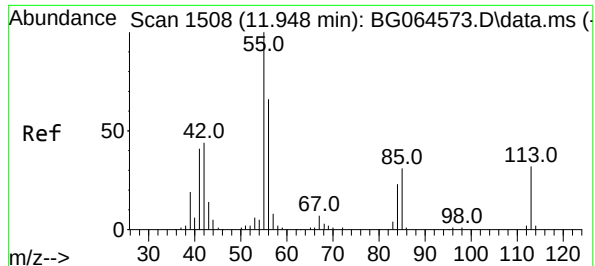


#34
Hexachlorobutadiene
Concen: 76.863 ng
RT: 11.393 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



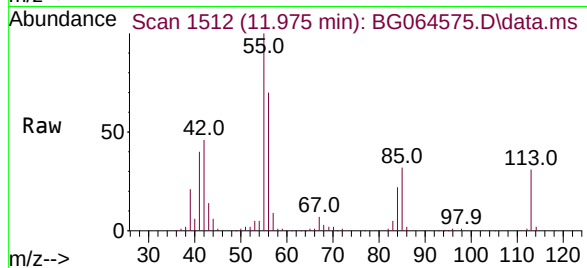
Tgt Ion:225 Resp: 196140
Ion Ratio Lower Upper
225 100
223 60.7 48.8 73.2
227 62.8 49.5 74.3





#35
Caprolactam
Concen: 75.596 ng
RT: 11.975 min Scan# 1512
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

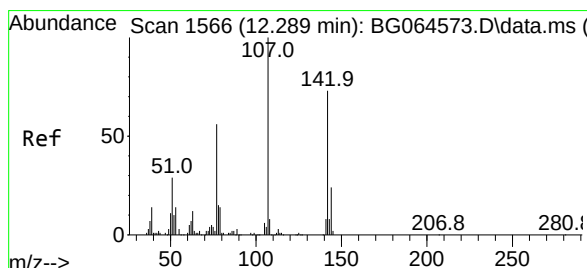
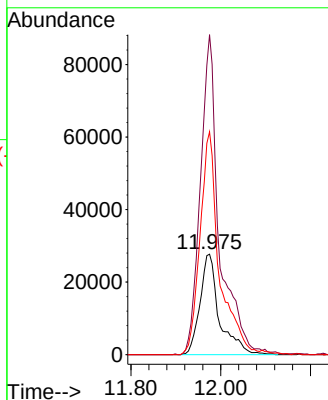
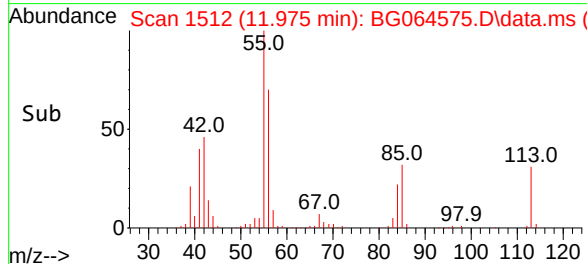
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



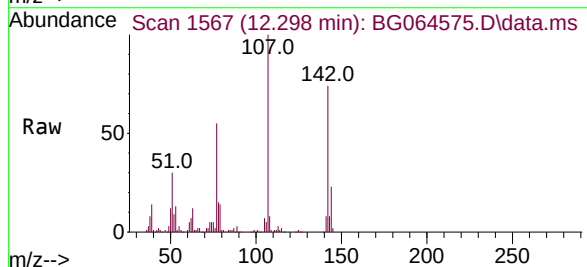
Tgt Ion:113 Resp: 83266
Ion Ratio Lower Upper
113 100
55 318.6 290.1 330.1
56 221.7 183.8 223.8

Manual Integrations
APPROVED

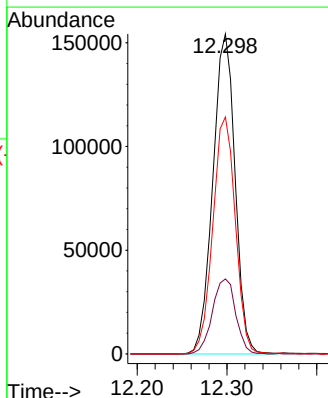
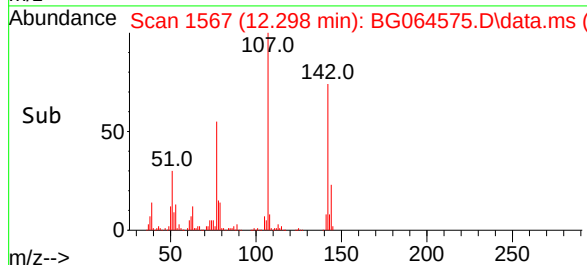
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

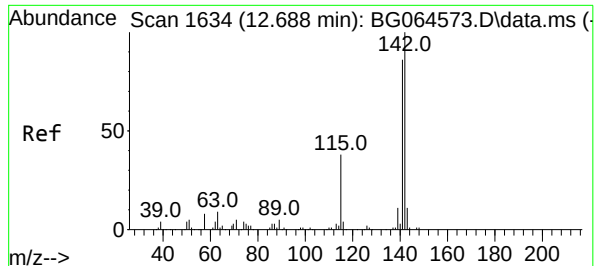


#36
4-Chloro-3-methylphenol
Concen: 77.031 ng
RT: 12.298 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



Tgt Ion:107 Resp: 265909
Ion Ratio Lower Upper
107 100
144 23.4 19.1 28.7
142 74.0 58.6 87.8





#37

2-Methylnaphthalene

Concen: 74.168 ng

RT: 12.692 min Scan# 1634

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

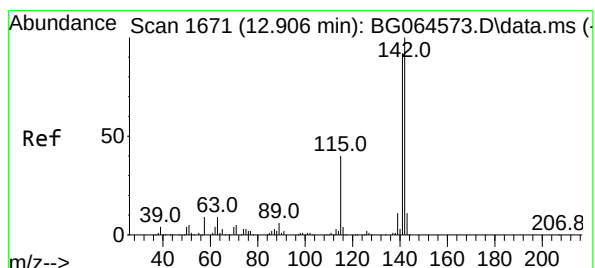
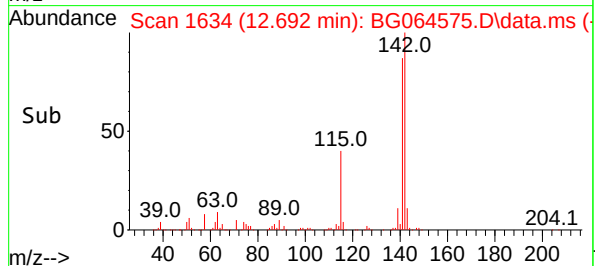
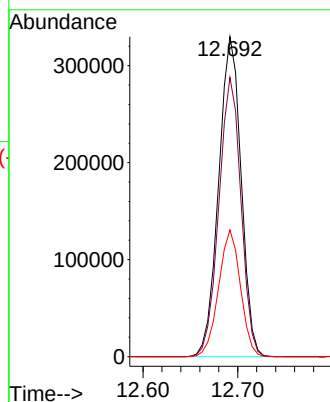
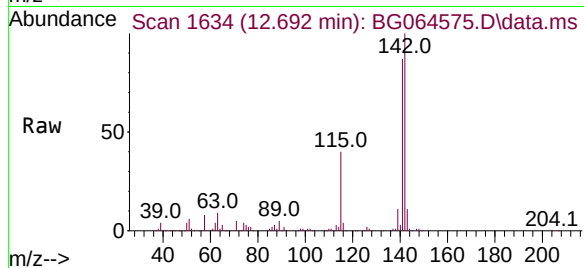
SSTDICC080

Tgt Ion:	142	Resp:	542132
Ion Ratio	Lower	Upper	
142	100		
141	87.2	68.9	103.3
115	39.6	30.6	46.0

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#38

1-Methylnaphthalene

Concen: 73.372 ng

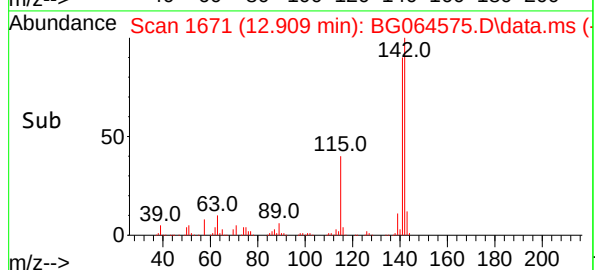
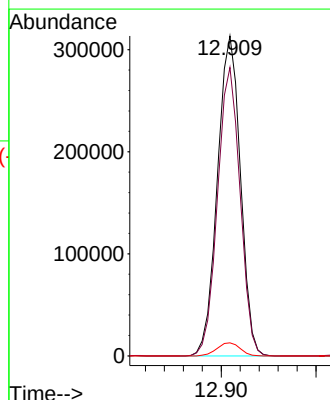
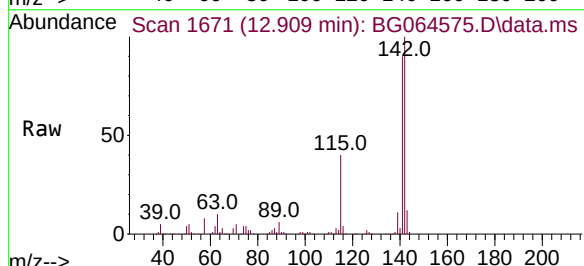
RT: 12.909 min Scan# 1671

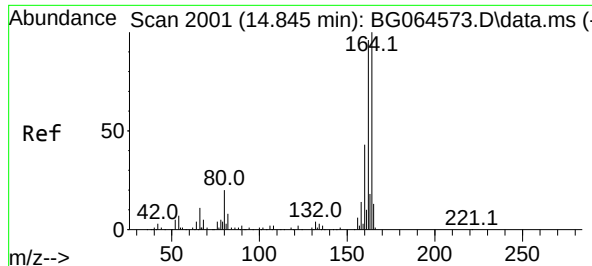
Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

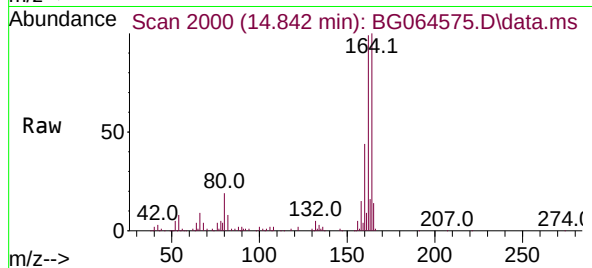
Tgt Ion:	142	Resp:	527717
Ion Ratio	Lower	Upper	
142	100		
141	90.1	73.3	109.9
116	4.1	3.1	4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

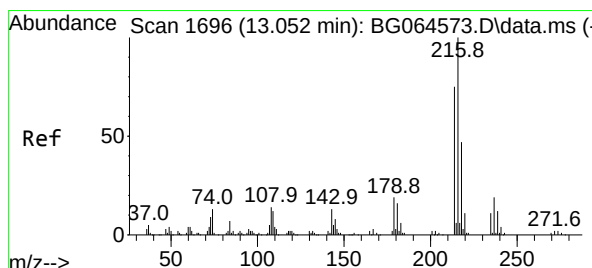
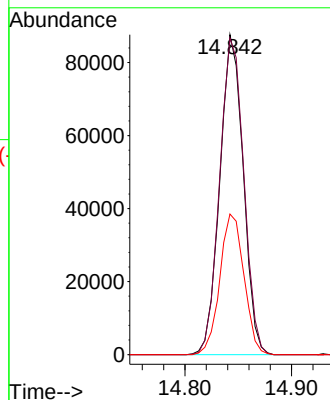
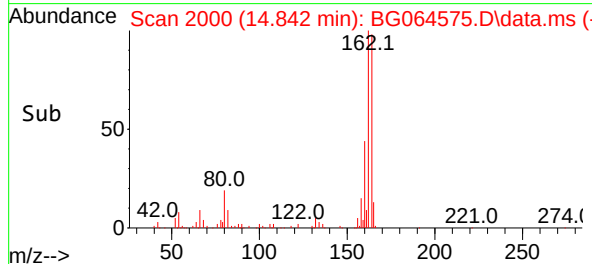
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



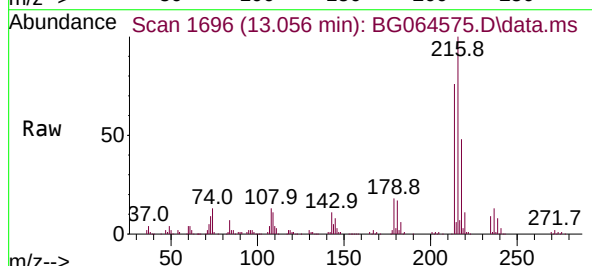
Tgt Ion:164 Resp: 133797
Ion Ratio Lower Upper
164 100
162 98.9 77.0 115.6
160 43.9 34.4 51.6

Manual Integrations
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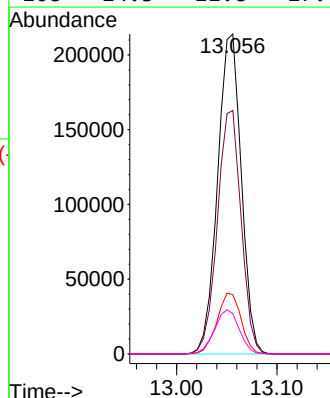
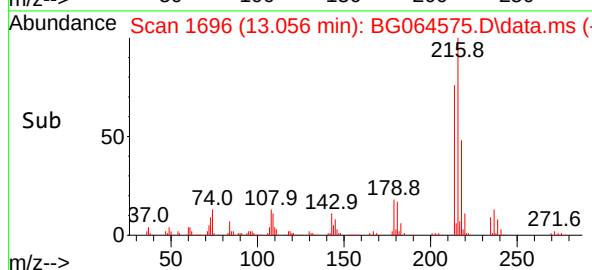
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

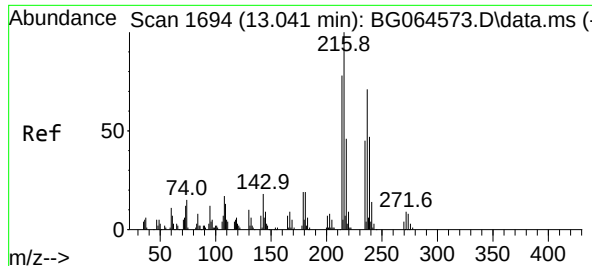


#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.328 ng
RT: 13.056 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



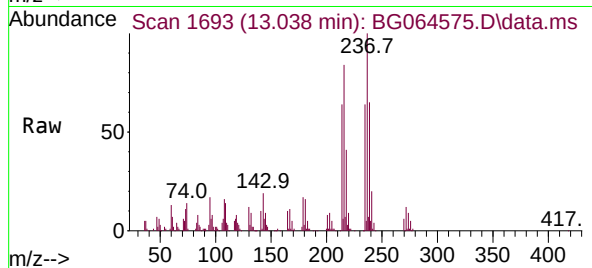
Tgt Ion:216 Resp: 351719
Ion Ratio Lower Upper
216 100
214 76.1 61.4 92.2
179 19.3 15.4 23.0
108 14.3 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 80.876 ng
RT: 13.038 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

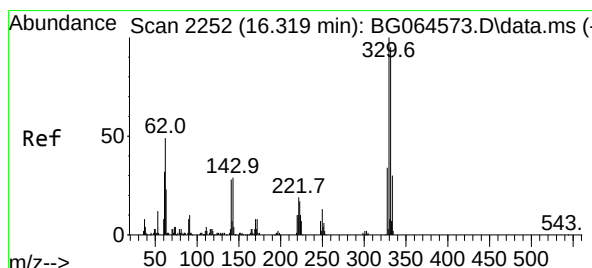
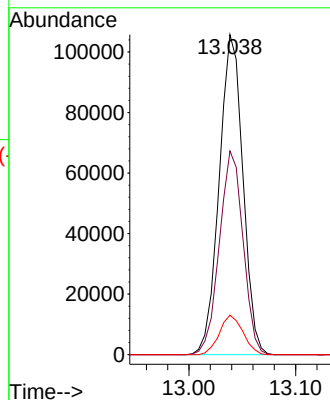
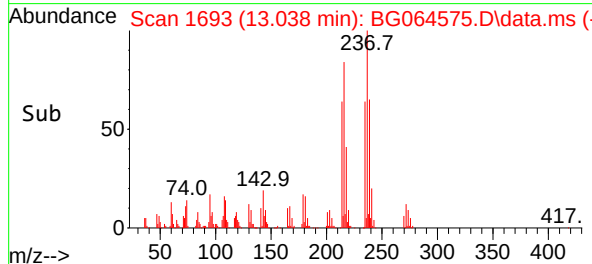
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:237 Resp: 16346
Ion Ratio Lower Upper
237 100
235 63.6 44.1 84.1
272 12.3 0.0 32.4

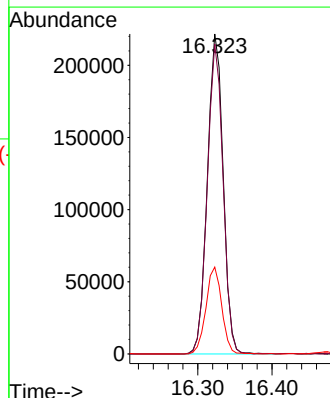
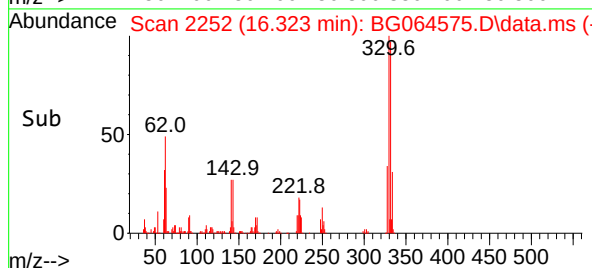
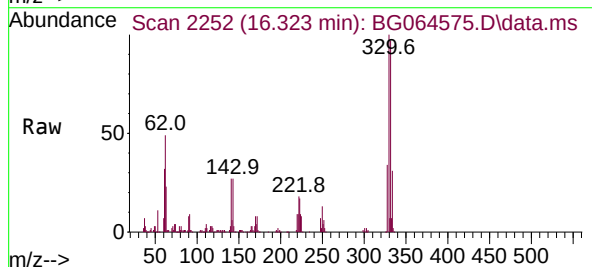
Manual Integrations
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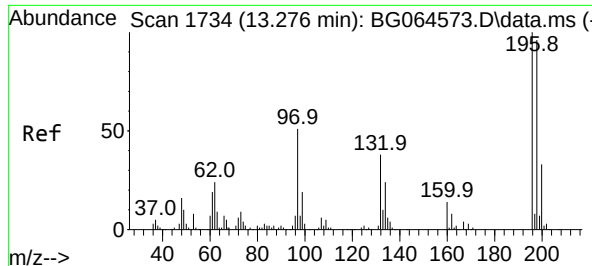
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#42
2,4,6-Tribromophenol
Concen: 169.886 ng
RT: 16.323 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:330 Resp: 328066
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 27.1 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 84.998 ng

RT: 13.279 min Scan# 1734

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:196 Resp: 218318

Ion Ratio Lower Upper

196 100

198 94.0 76.6 115.0

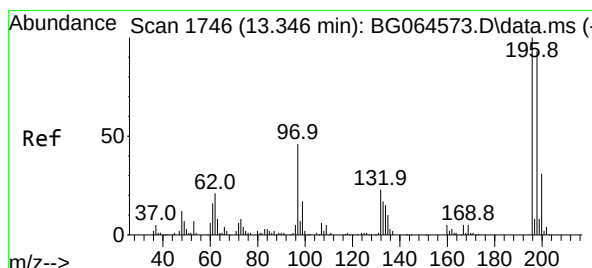
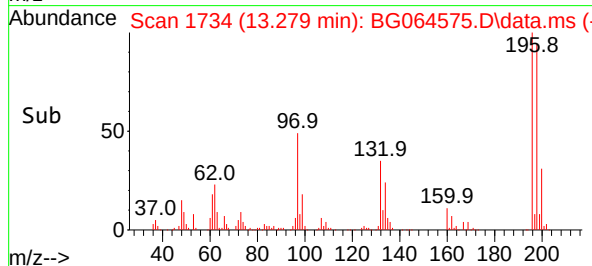
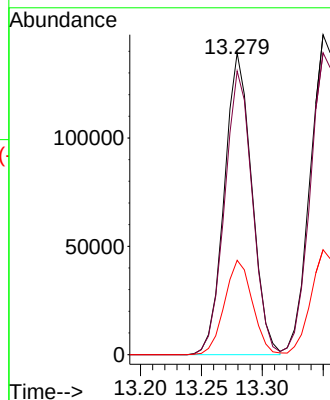
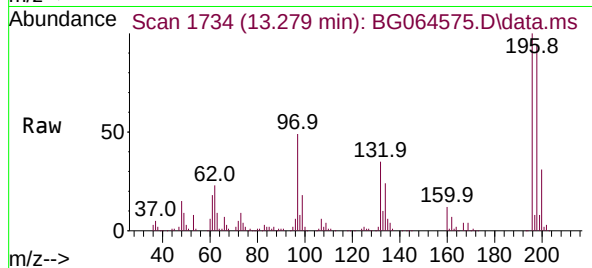
200 31.2 26.0 39.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

Concen: 82.064 ng

RT: 13.350 min Scan# 1746

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Tgt Ion:196 Resp: 243241

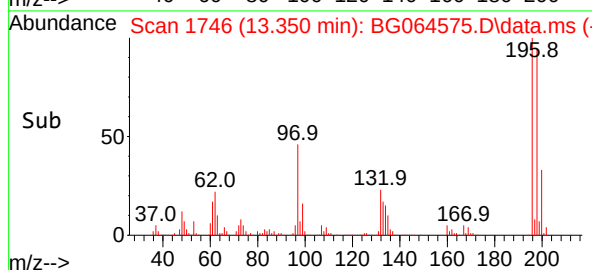
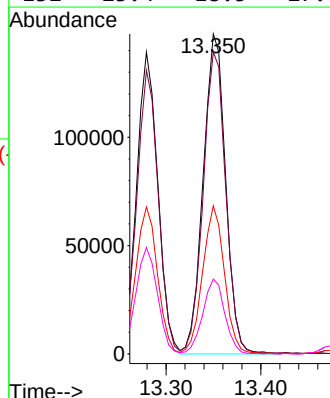
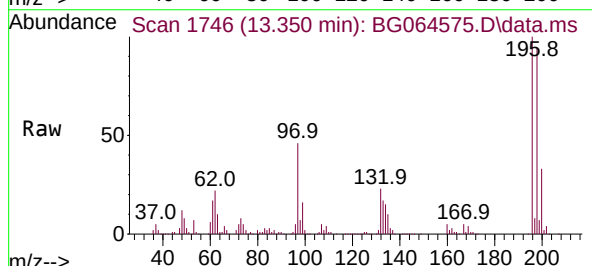
Ion Ratio Lower Upper

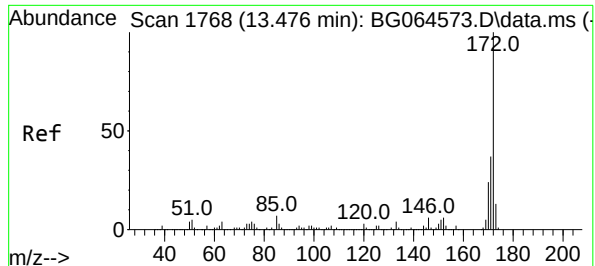
196 100

198 94.3 74.2 111.4

97 46.3 37.0 55.6

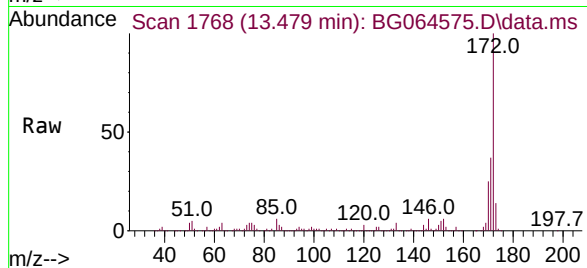
132 23.4 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 148.960 ng
RT: 13.479 min Scan# 1768
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

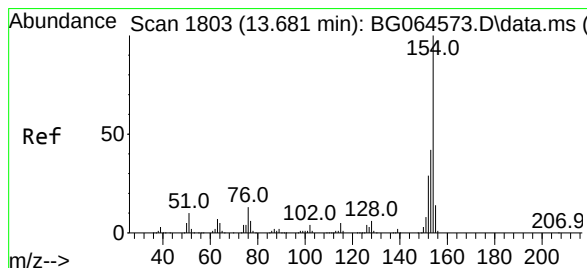
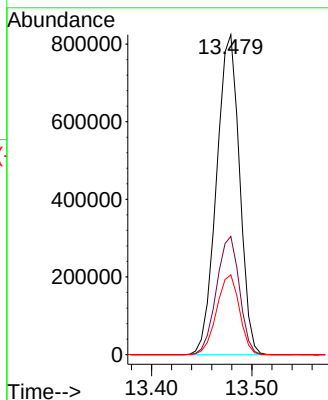
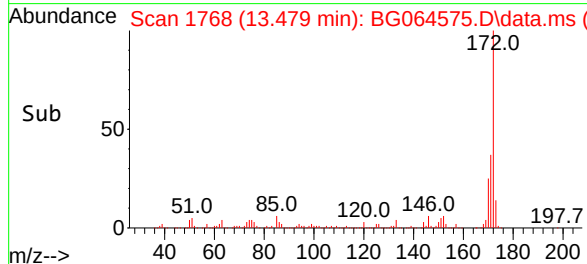
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



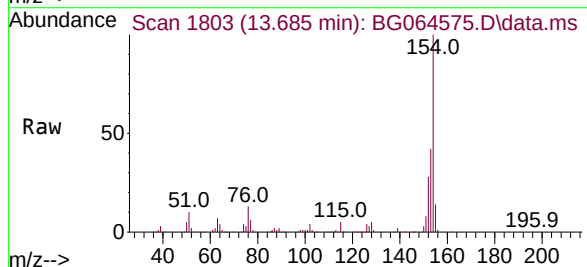
Tgt Ion:172 Resp: 1314892
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.9 19.1 28.7

Manual Integrations
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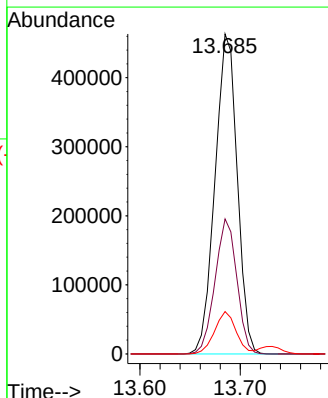
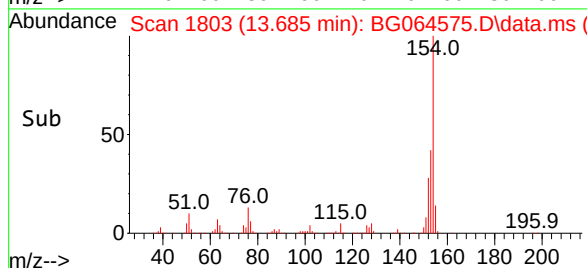
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

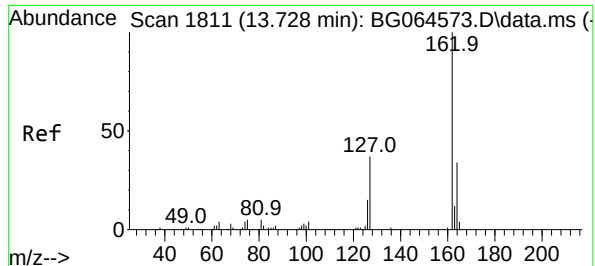


#46
1,1'-Biphenyl
Concen: 74.977 ng
RT: 13.685 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



Tgt Ion:154 Resp: 713186
Ion Ratio Lower Upper
154 100
153 42.2 22.4 62.4
76 13.2 0.0 33.5





#47

2-Chloronaphthalene

Concen: 76.218 ng

RT: 13.732 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 54724

Ion Ratio Lower Upper

162 100

127 41.1 32.2 48.2

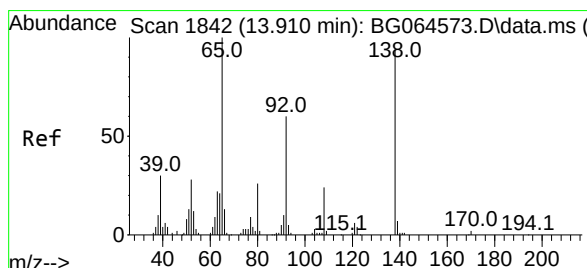
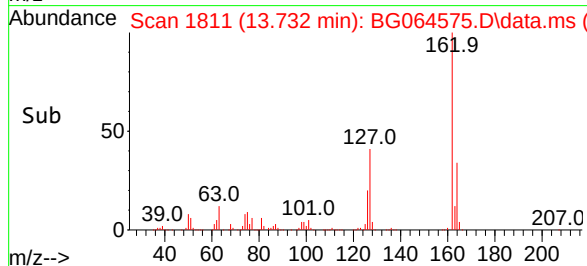
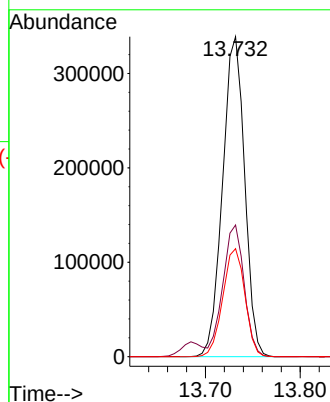
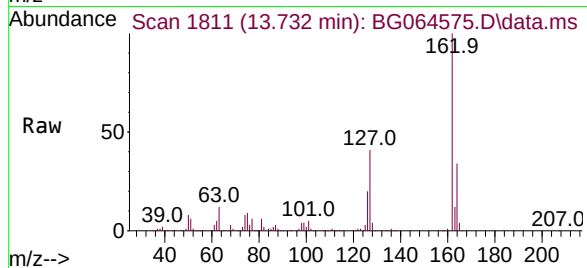
164 33.7 27.5 41.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#48

2-Nitroaniline

Concen: 79.301 ng

RT: 13.914 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

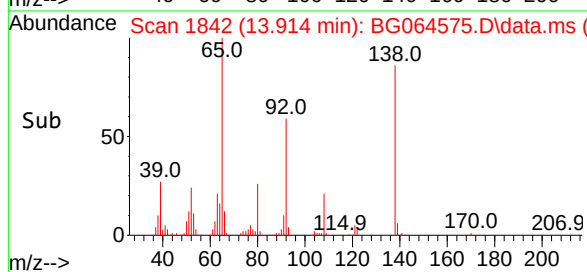
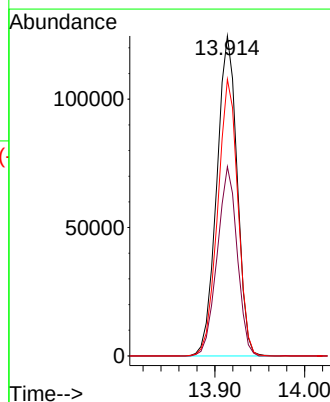
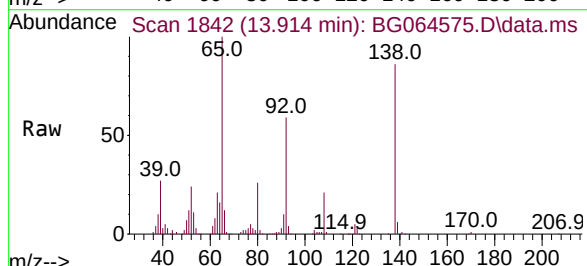
Tgt Ion: 65 Resp: 196580

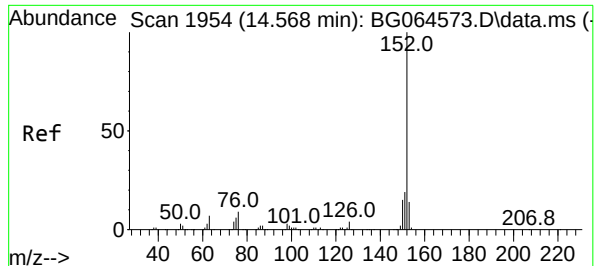
Ion Ratio Lower Upper

65 100

92 59.1 48.3 72.5

138 86.4 74.9 112.3





#49

Acenaphthylene

Concen: 75.806 ng

RT: 14.566 min Scan# 1953

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 85851

Ion Ratio Lower Upper

152 100

151 19.7 15.4 23.2

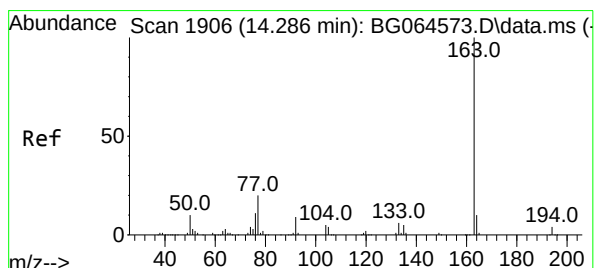
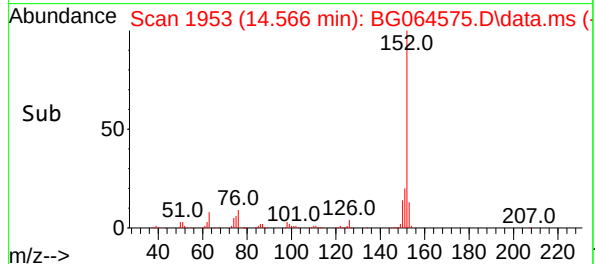
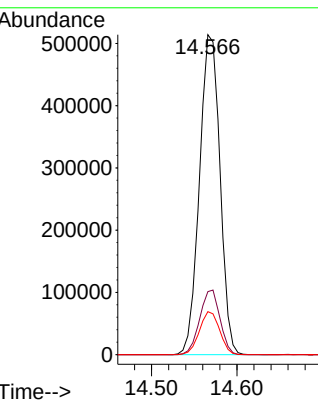
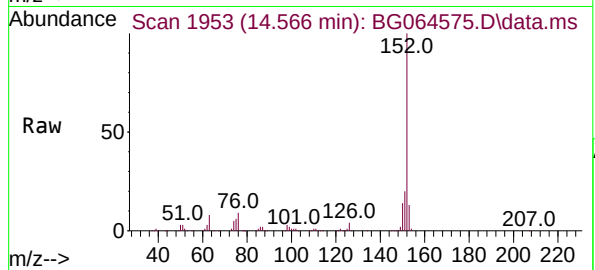
153 13.5 11.0 16.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 76.450 ng

RT: 14.290 min Scan# 1906

Delta R.T. -0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

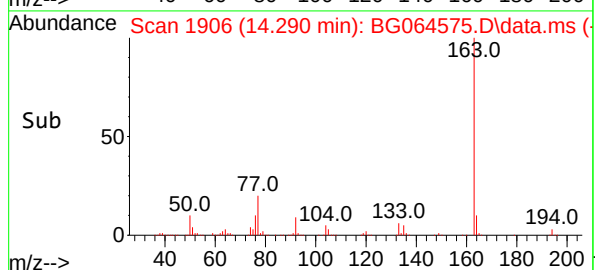
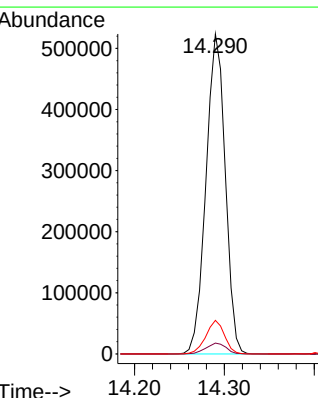
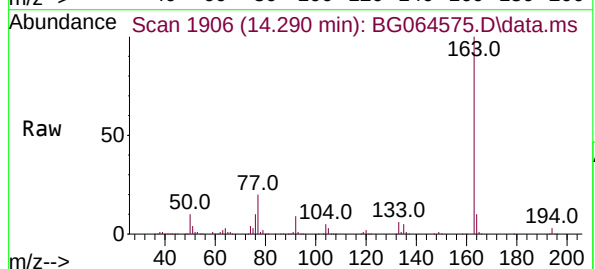
Tgt Ion:163 Resp: 782708

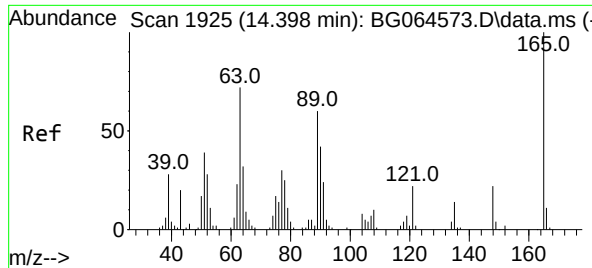
Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

164 10.5 7.7 11.5





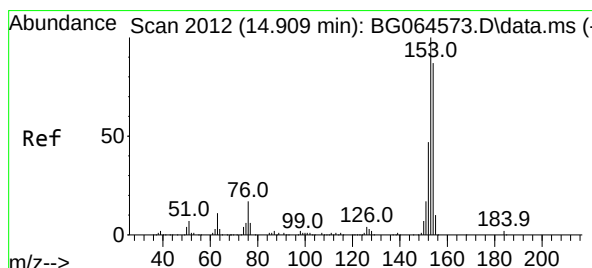
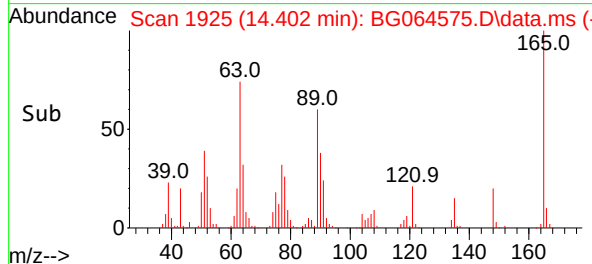
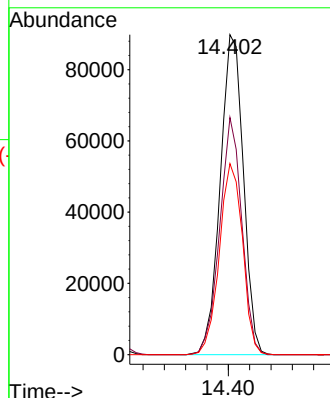
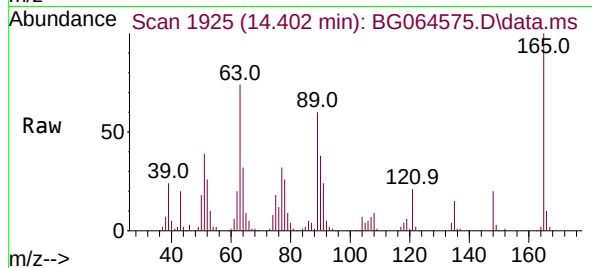
#51
2,6-Dinitrotoluene
Concen: 78.216 ng
RT: 14.402 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 135769
Ion Ratio Lower Upper
165 100
63 74.1 57.4 86.0
89 59.7 47.8 71.8

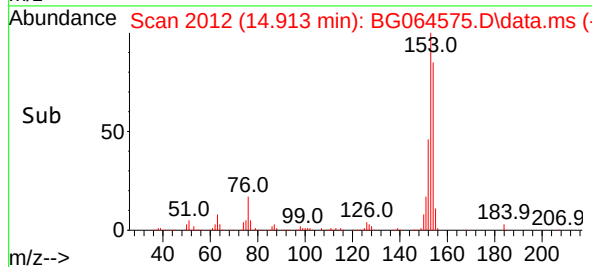
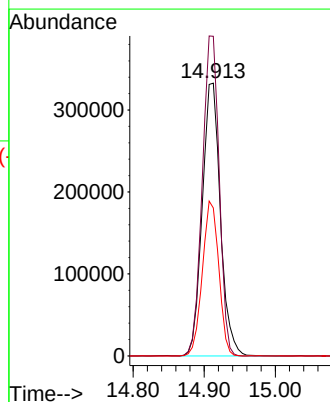
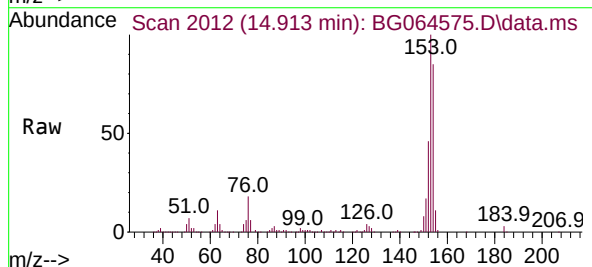
Manual Integrations
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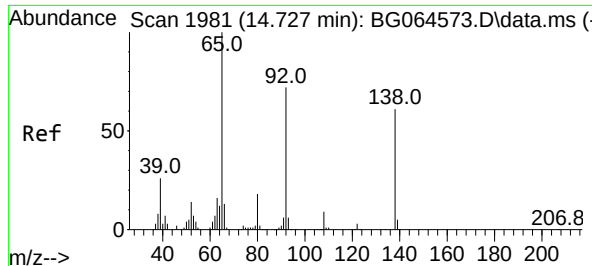
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#52
Acenaphthene
Concen: 76.150 ng
RT: 14.913 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:154 Resp: 589213
Ion Ratio Lower Upper
154 100
153 117.2 92.2 138.4
152 54.2 43.2 64.8





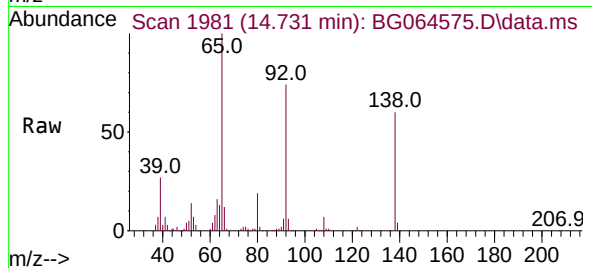
#53
3-Nitroaniline
Concen: 90.409 ng
RT: 14.731 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

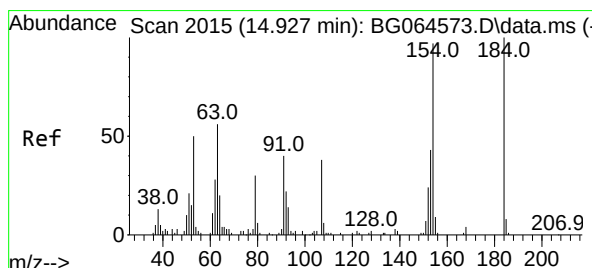
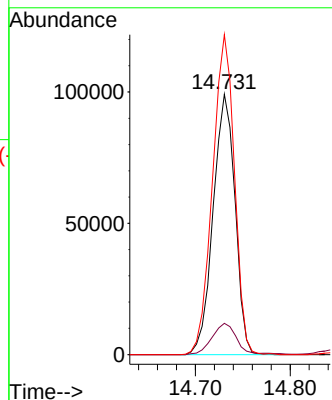
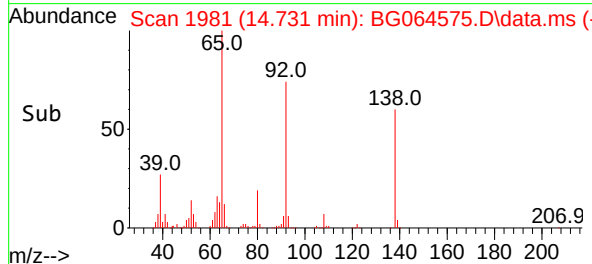
SSTDICC080



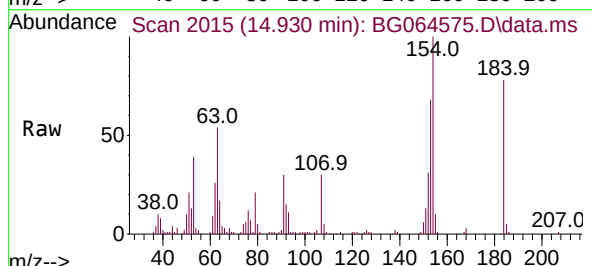
Tgt Ion:138 Resp: 159072
Ion Ratio Lower Upper
138 100
108 12.0 11.4 17.0
92 122.9 95.3 142.9

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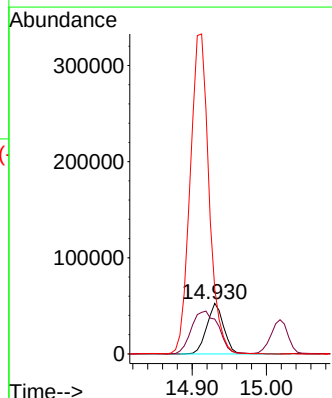
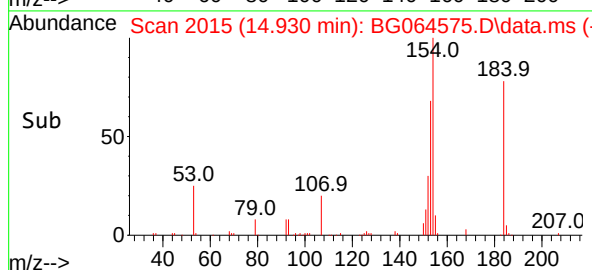
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

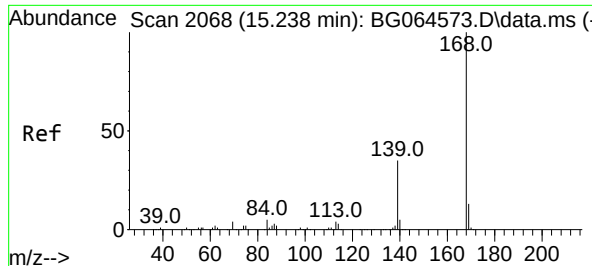


#54
2,4-Dinitrophenol
Concen: 79.755 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



Tgt Ion:184 Resp: 82655
Ion Ratio Lower Upper
184 100
63 69.0 56.6 85.0
154 128.4 158.6 238.0#





#55

Dibenzofuran

Concen: 73.816 ng

RT: 15.242 min Scan# 2068

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:168 Resp: 923386

Ion Ratio Lower Upper

168 100

139 35.8 27.8 41.8

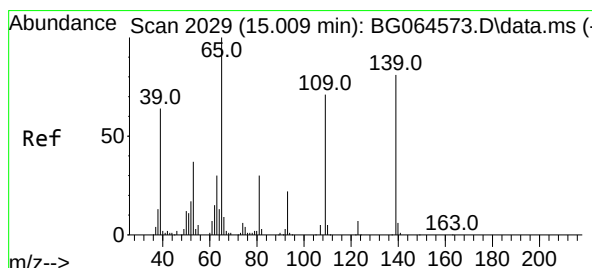
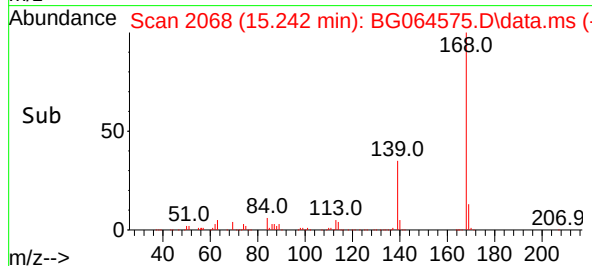
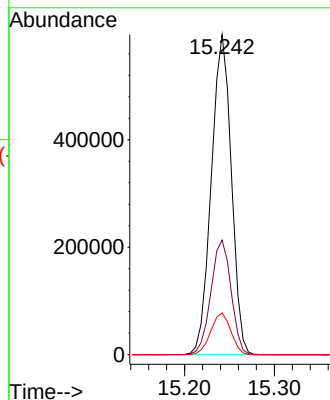
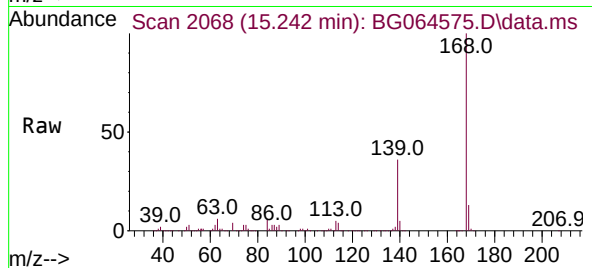
169 13.0 10.3 15.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#56

4-Nitrophenol

Concen: 87.640 ng

RT: 15.018 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

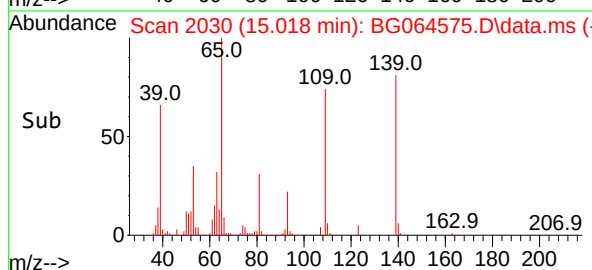
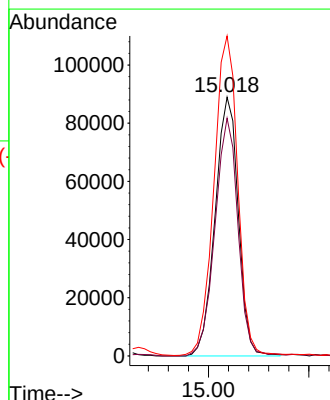
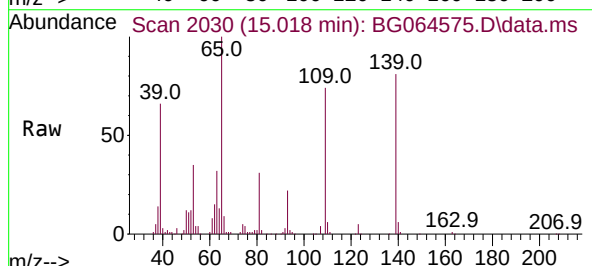
Tgt Ion:139 Resp: 142966

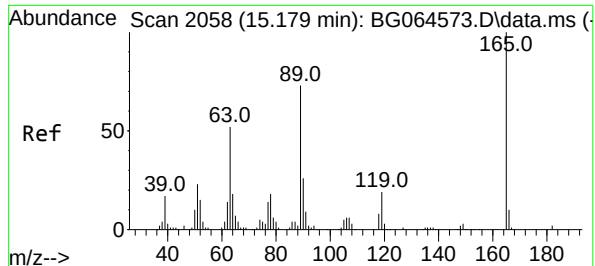
Ion Ratio Lower Upper

139 100

109 91.9 67.8 107.8

65 123.7 103.7 143.7





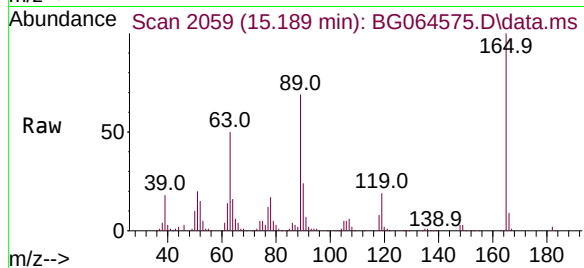
#57
2,4-Dinitrotoluene
Concen: 79.117 ng
RT: 15.189 min Scan# 2058
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

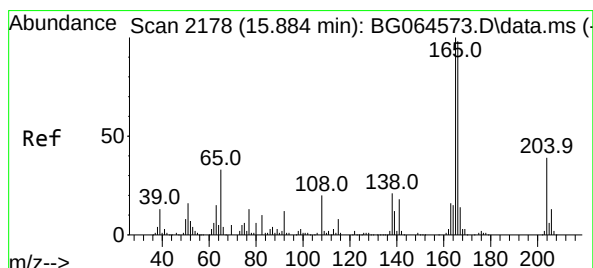
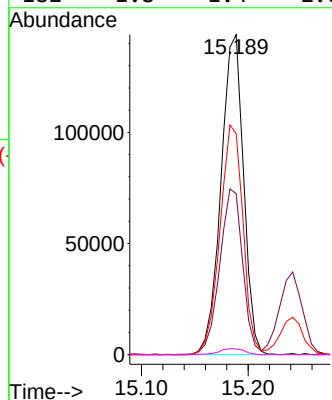
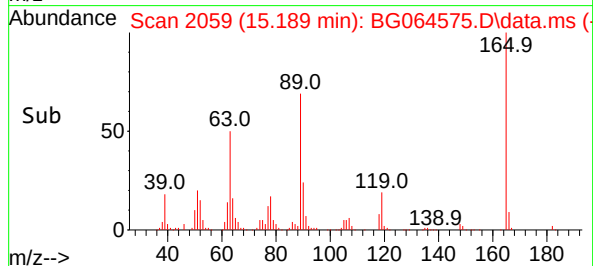


Tgt Ion:165 Resp: 212164
Ion Ratio Lower Upper
165 100
63 50.3 41.8 62.8
89 69.0 58.1 87.1
182 1.8 1.4 2.0

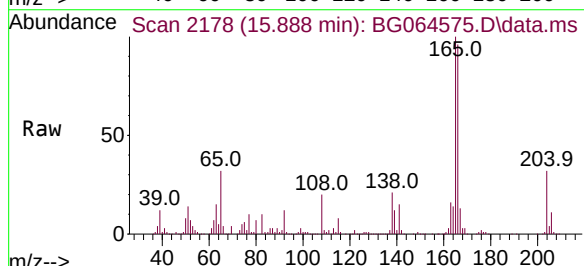
Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025

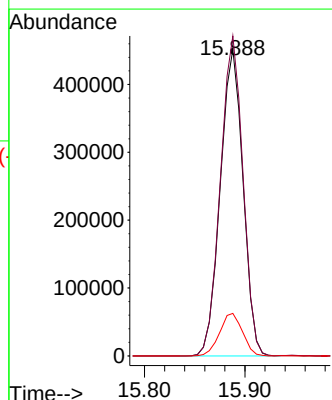
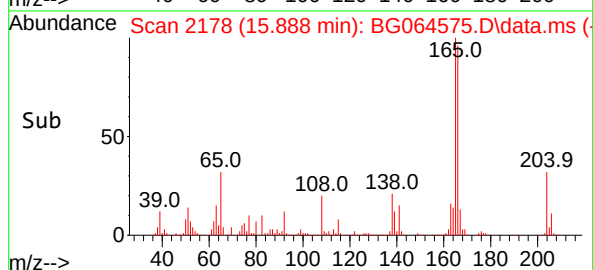
Supervised By :Jagrut Upadhyay 10/27/2025

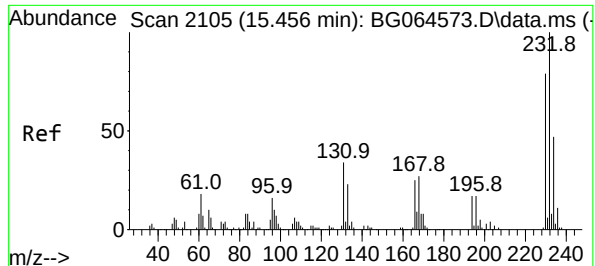


#58
Fluorene
Concen: 72.801 ng
RT: 15.888 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



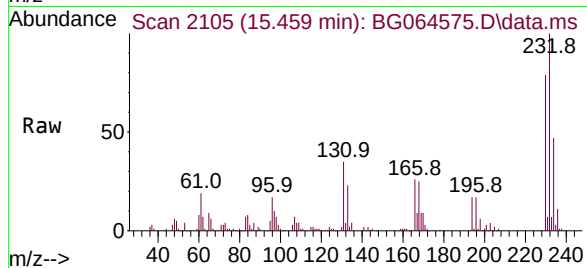
Tgt Ion:166 Resp: 711212
Ion Ratio Lower Upper
166 100
165 104.4 81.5 122.3
167 13.8 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 84.708 ng
RT: 15.459 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

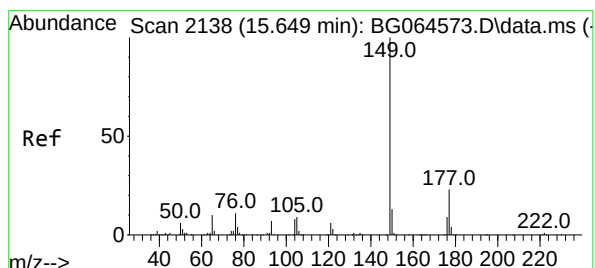
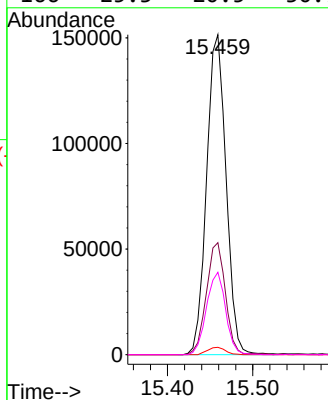
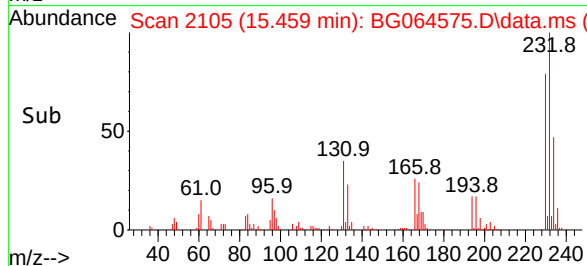
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



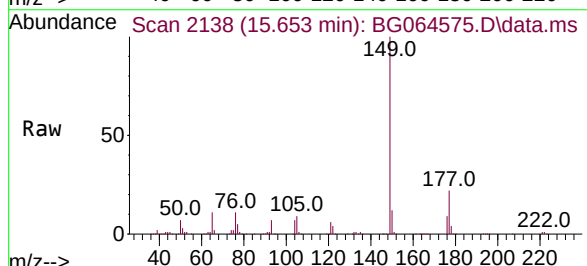
Tgt Ion:232 Resp: 240094
Ion Ratio Lower Upper
232 100
131 34.1 26.7 40.1
130 2.1 1.6 2.4
166 25.3 20.5 30.7

Manual Integrations
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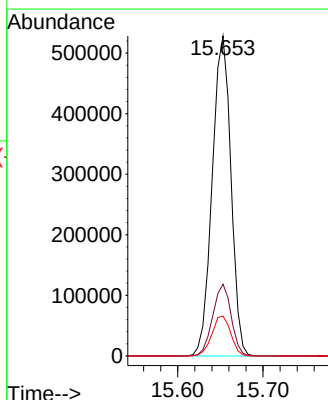
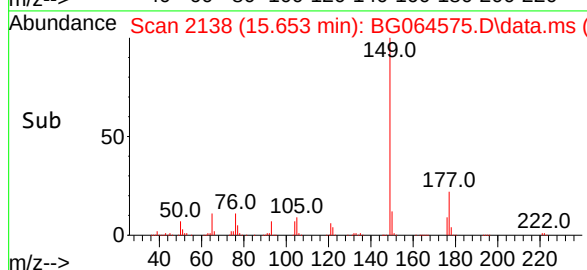
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

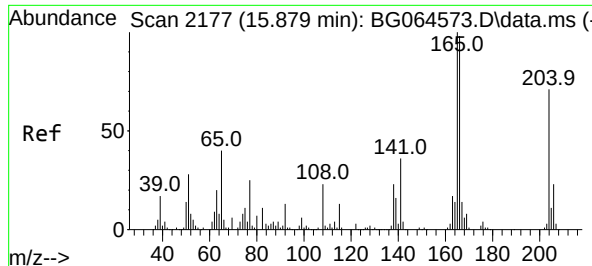


#60
Diethylphthalate
Concen: 76.874 ng
RT: 15.653 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



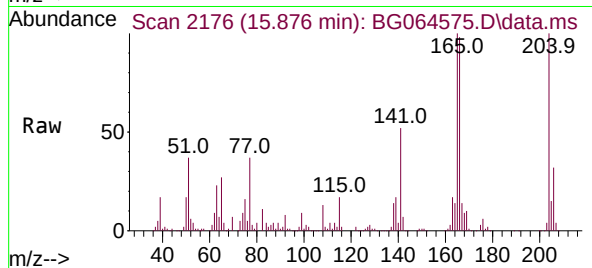
Tgt Ion:149 Resp: 803621
Ion Ratio Lower Upper
149 100
177 22.4 18.0 27.0
150 12.4 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 74.463 ng
RT: 15.876 min Scan# 2176
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

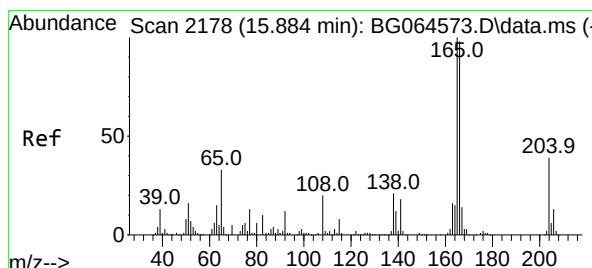
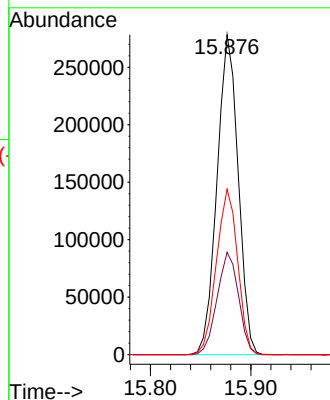
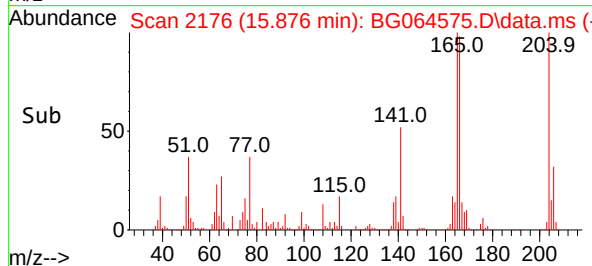
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



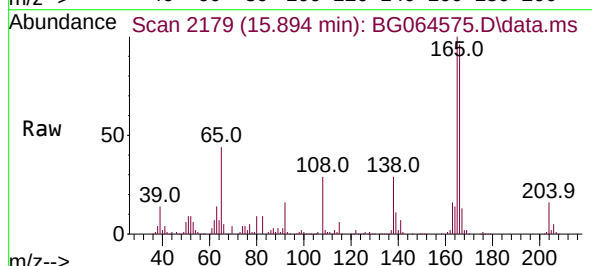
Tgt Ion:204 Resp: 408239
Ion Ratio Lower Upper
204 100
206 32.0 25.6 38.4
141 51.7 40.6 60.8

Manual Integrations
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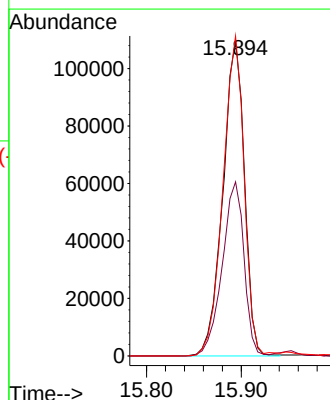
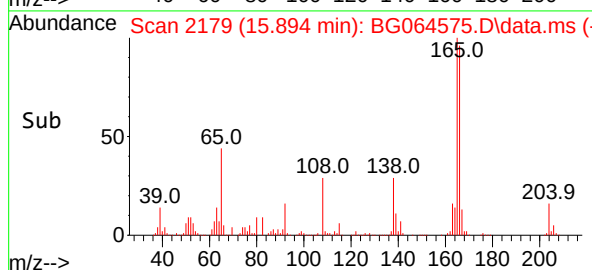
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

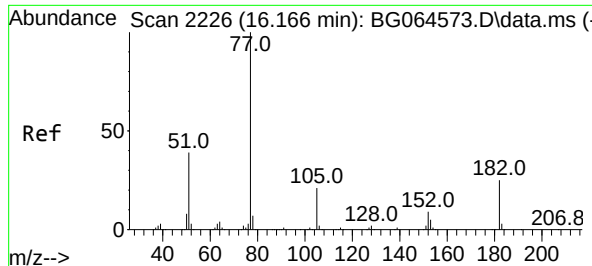


#62
4-Nitroaniline
Concen: 88.462 ng
RT: 15.894 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



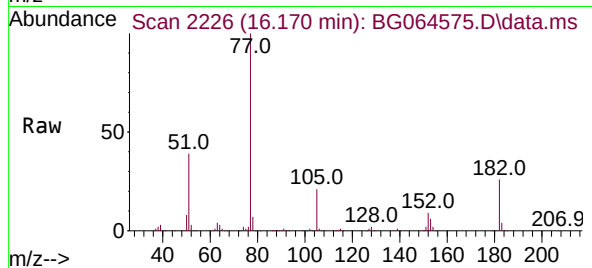
Tgt Ion:138 Resp: 173159
Ion Ratio Lower Upper
138 100
92 55.1 36.1 76.1
108 101.4 75.6 115.6





#63
Azobenzene
Concen: 75.482 ng
RT: 16.170 min Scan# 2226
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

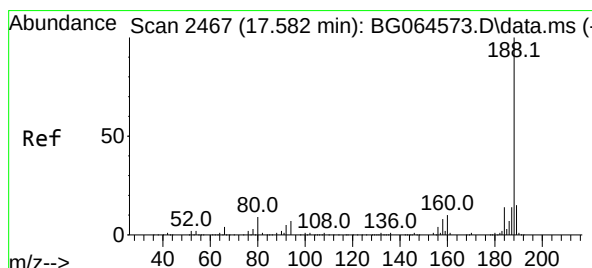
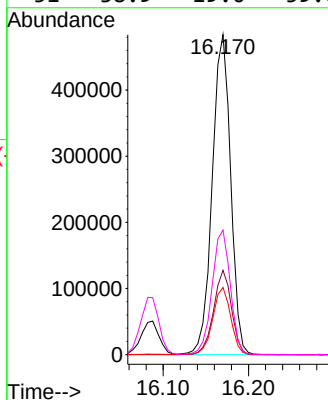
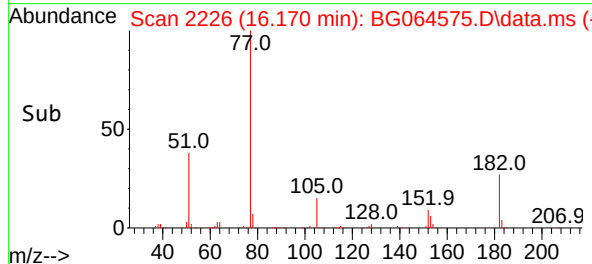
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 723988
Ion Ratio Lower Upper
77 100
182 26.3 4.9 44.9
105 21.0 1.3 41.3
51 38.9 19.0 59.0

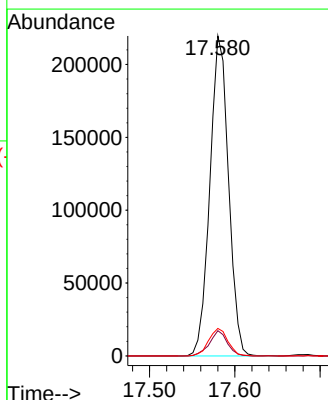
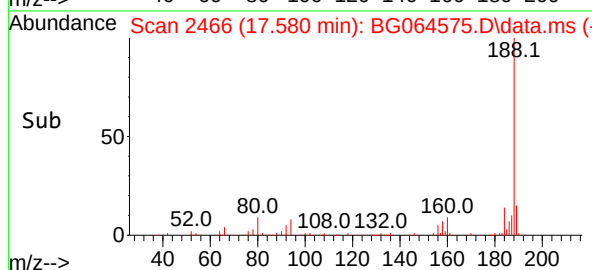
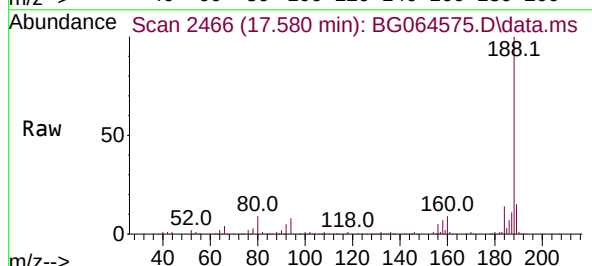
Manual Integrations
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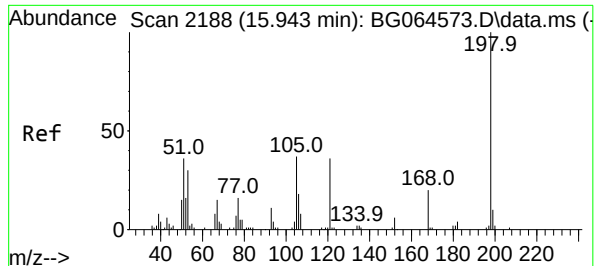
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

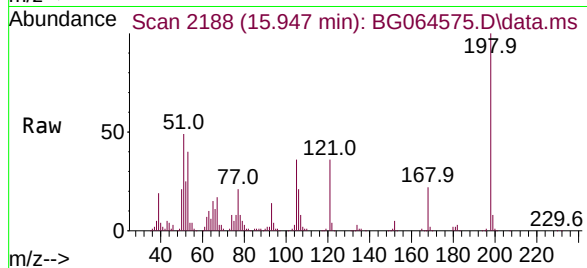
Tgt Ion:188 Resp: 333421
Ion Ratio Lower Upper
188 100
94 7.9 5.7 8.5
80 8.6 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 80.450 ng
RT: 15.947 min Scan# 2188
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

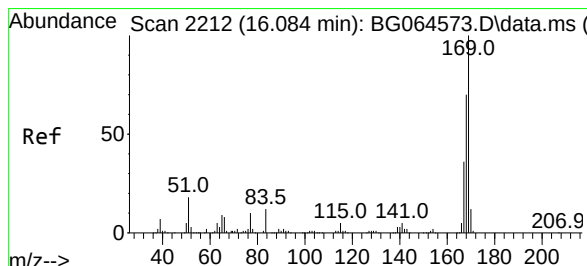
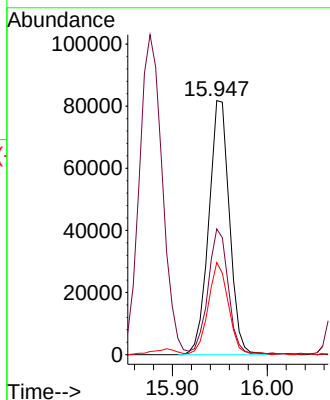
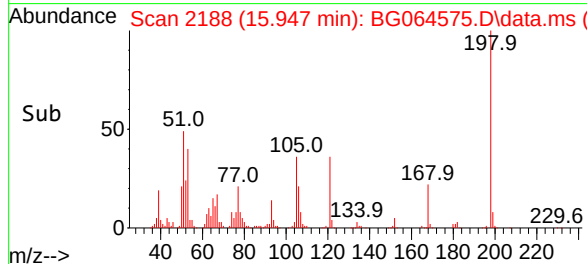
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



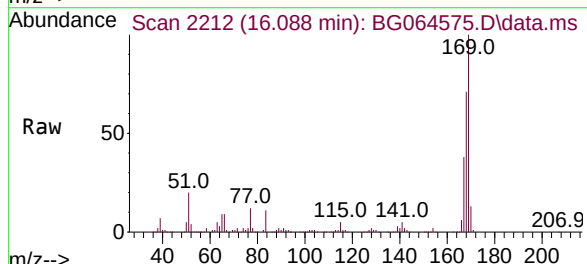
Tgt Ion:198 Resp: 12410
Ion Ratio Lower Upper
198 100
51 49.5 24.7 64.7
105 36.3 18.0 58.0

Manual Integrations
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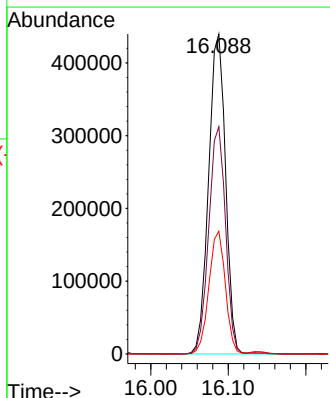
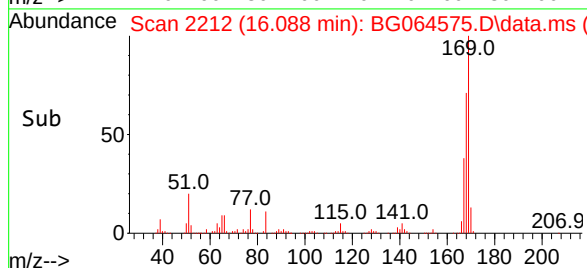
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

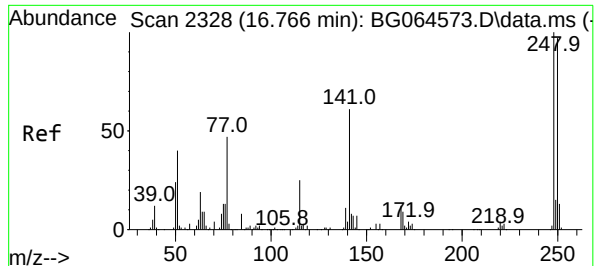


#66
n-Nitrosodiphenylamine
Concen: 74.020 ng
RT: 16.088 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



Tgt Ion:169 Resp: 666665
Ion Ratio Lower Upper
169 100
168 71.0 56.3 84.5
167 38.3 29.0 43.6





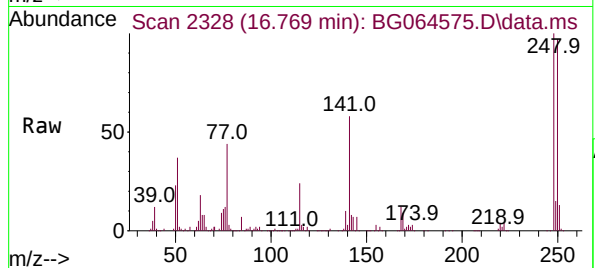
#67
4-Bromophenyl-phenylether
Concen: 75.762 ng
RT: 16.769 min Scan# 2328
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080



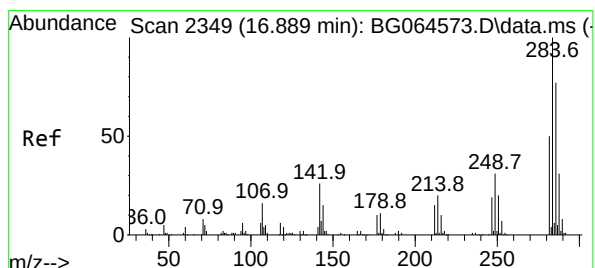
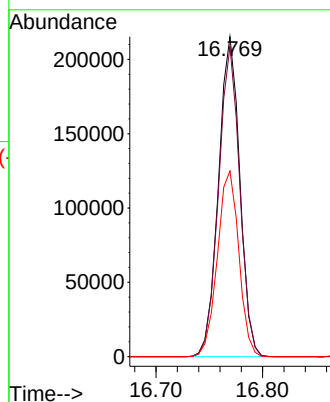
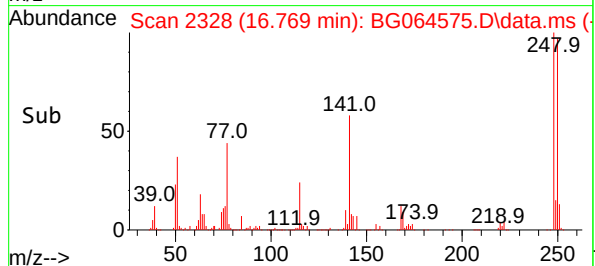
Tgt Ion:248 Resp: 299348
Ion Ratio Lower Upper
248 100
250 96.9 77.7 116.5
141 58.0 48.6 72.8

Manual Integrations

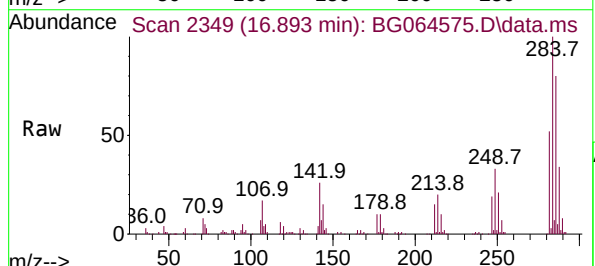
APPROVED

Reviewed By :Rahul Chavli 10/27/2025

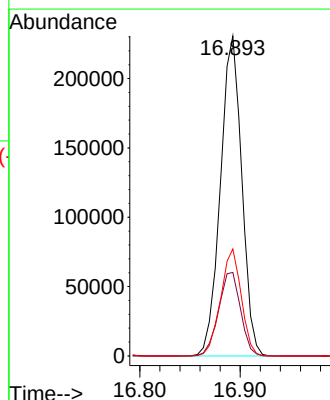
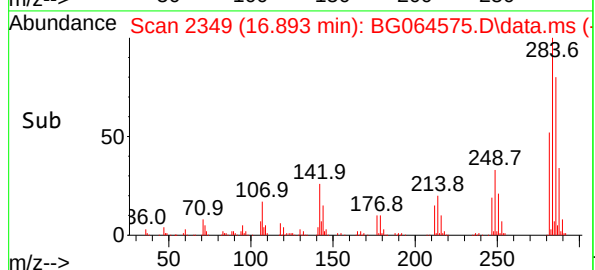
Supervised By :Jagrut Upadhyay 10/27/2025

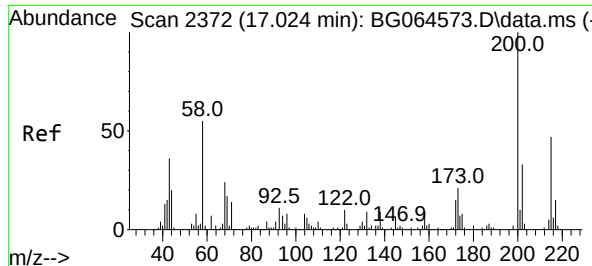


#68
Hexachlorobenzene
Concen: 75.724 ng
RT: 16.893 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



Tgt Ion:284 Resp: 341338
Ion Ratio Lower Upper
284 100
142 26.1 21.0 31.6
249 35.4 24.9 37.3





#69

Atrazine

Concen: 72.745 ng

RT: 17.028 min Scan# 2372

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:200 Resp: 281950

Ion Ratio Lower Upper

200 100

173 22.2 0.9 40.9

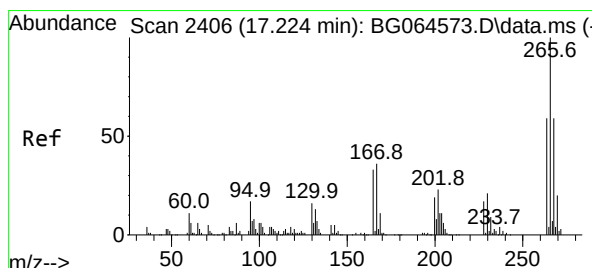
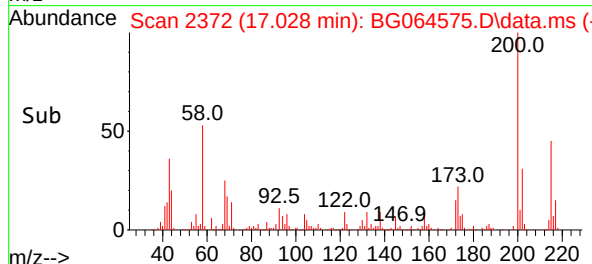
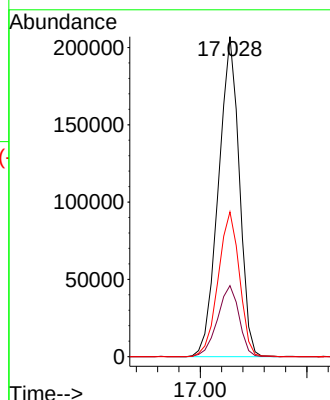
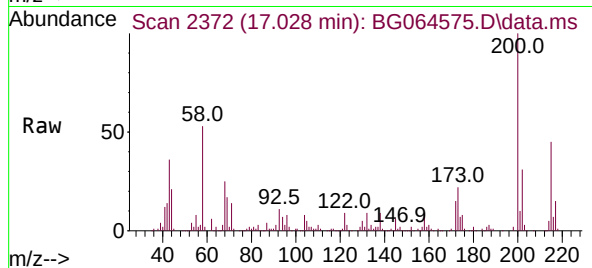
215 45.2 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#70

Pentachlorophenol

Concen: 83.771 ng

RT: 17.228 min Scan# 2406

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

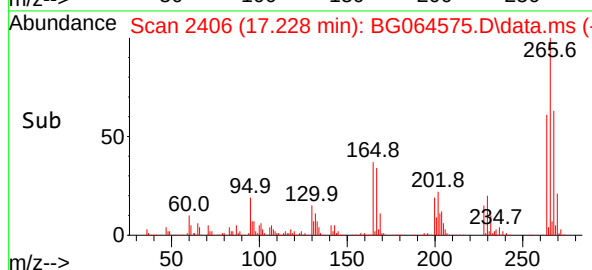
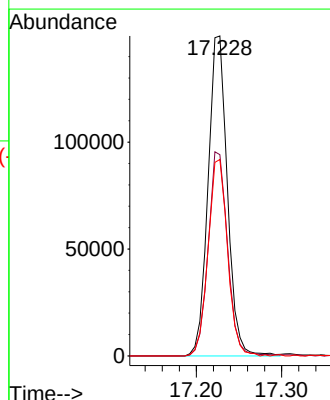
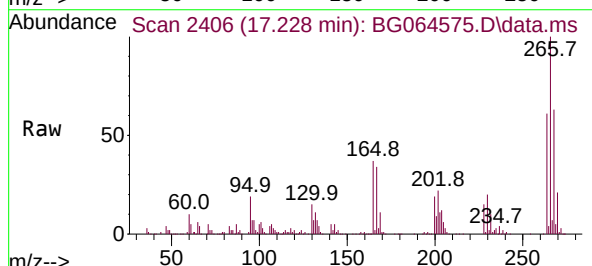
Tgt Ion:266 Resp: 235472

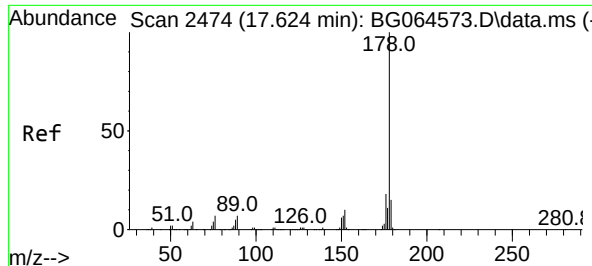
Ion Ratio Lower Upper

266 100

268 67.7 50.3 75.5

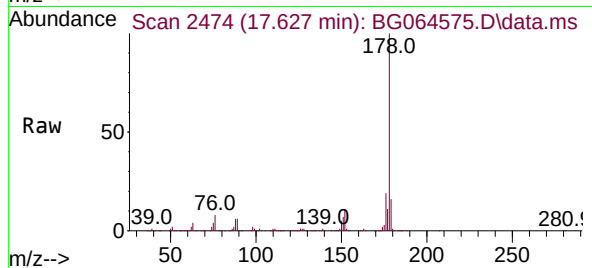
264 65.8 47.3 70.9





#71
Phenanthrene
Concen: 73.525 ng
RT: 17.627 min Scan# 2474
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

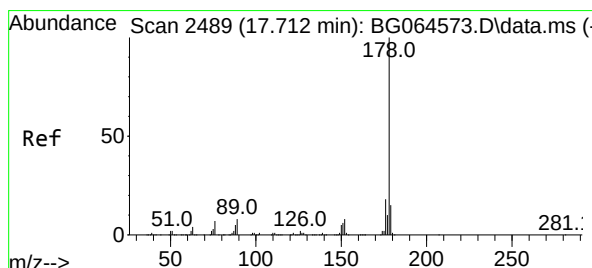
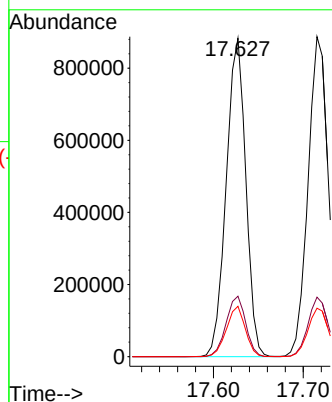
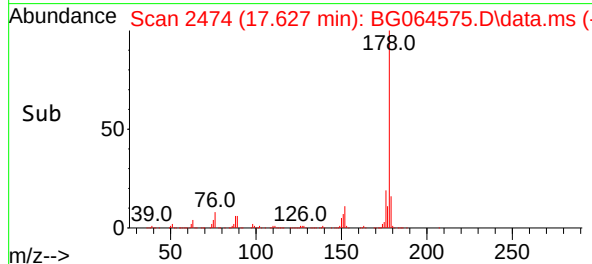
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 1340610
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.8 12.2 18.4

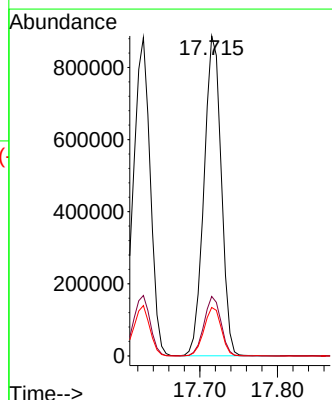
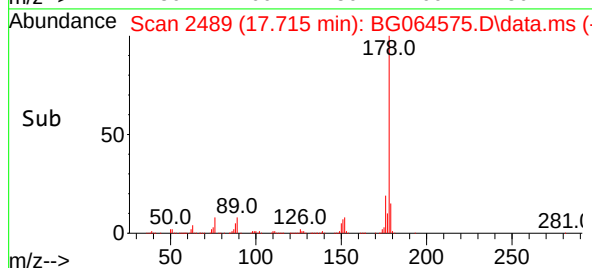
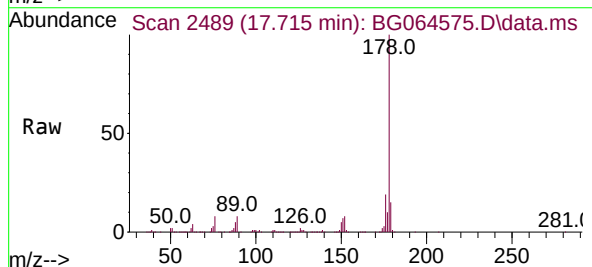
Manual Integrations
APPROVED

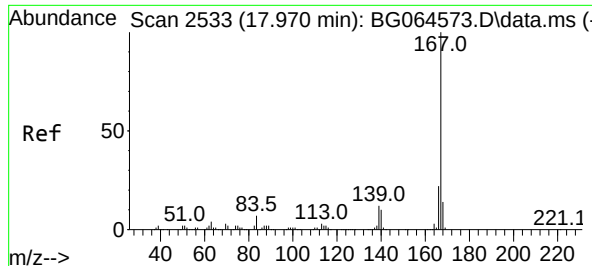
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#72
Anthracene
Concen: 73.704 ng
RT: 17.715 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

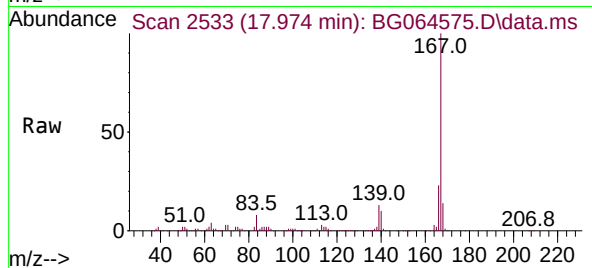
Tgt Ion:178 Resp: 1367044
Ion Ratio Lower Upper
178 100
176 18.6 14.4 21.6
179 15.1 12.4 18.6





#73
Carbazole
Concen: 73.122 ng
RT: 17.974 min Scan# 2533
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

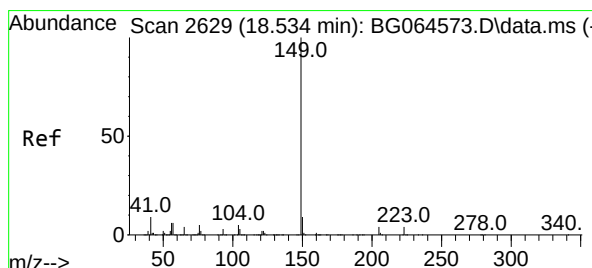
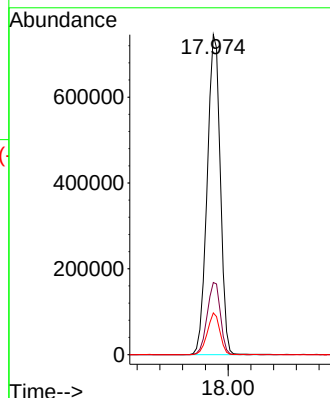
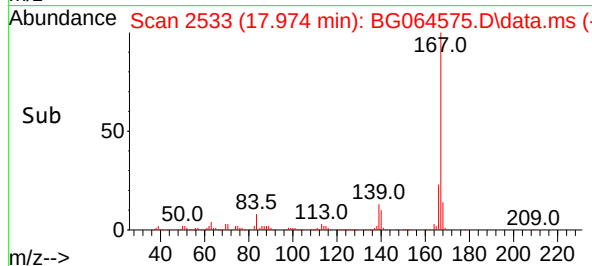
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:167 Resp: 1195960
Ion Ratio Lower Upper
167 100
166 22.5 17.9 26.9
139 13.0 9.7 14.5

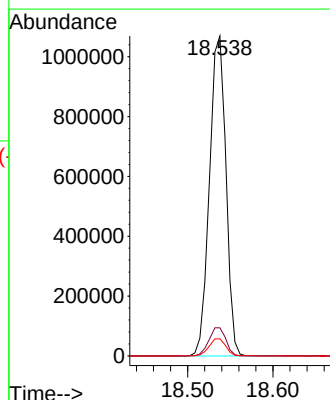
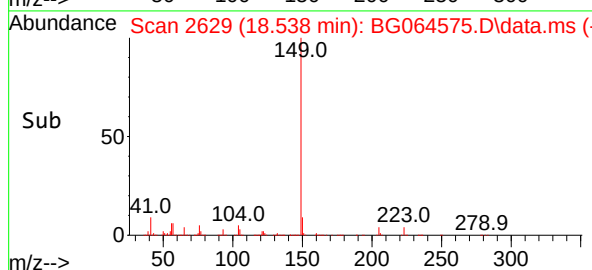
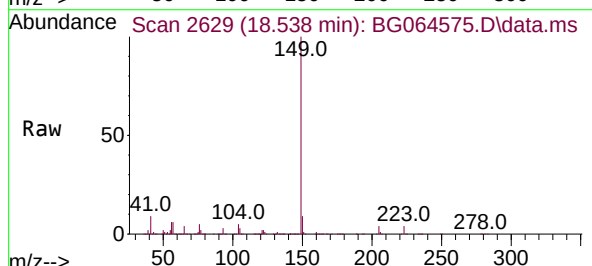
Manual Integrations
APPROVED

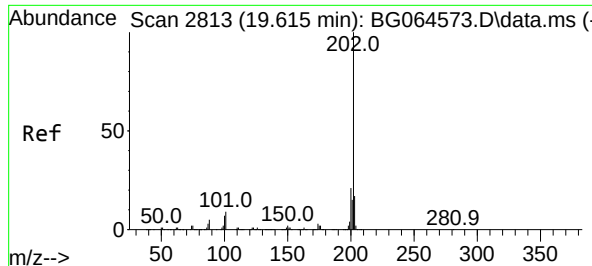
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#74
Di-n-butylphthalate
Concen: 75.790 ng
RT: 18.538 min Scan# 2629
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

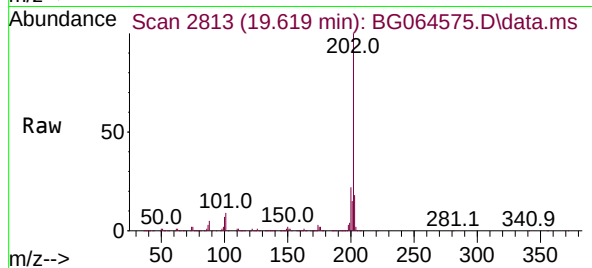
Tgt Ion:149 Resp: 1433446
Ion Ratio Lower Upper
149 100
150 8.8 7.0 10.6
104 5.4 4.1 6.1





#75
Fluoranthene
Concen: 72.835 ng
RT: 19.619 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

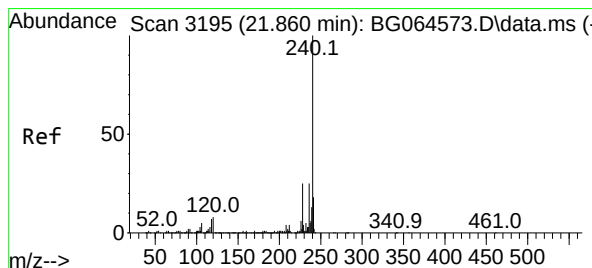
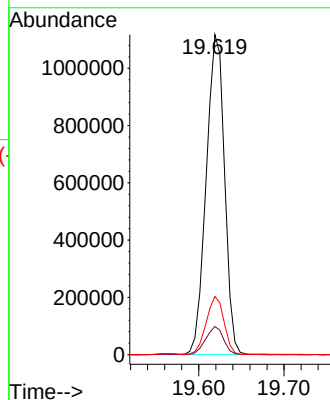
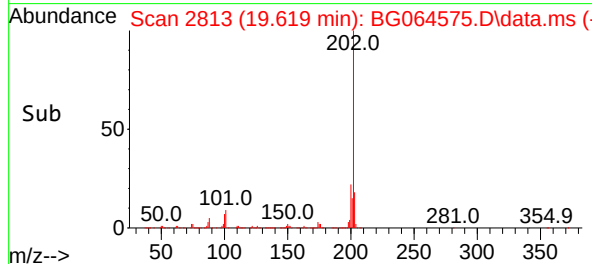
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 1663673
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.7
203 18.2 0.0 37.0

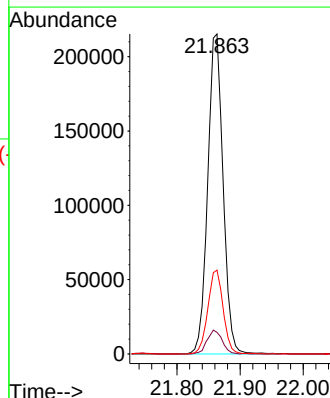
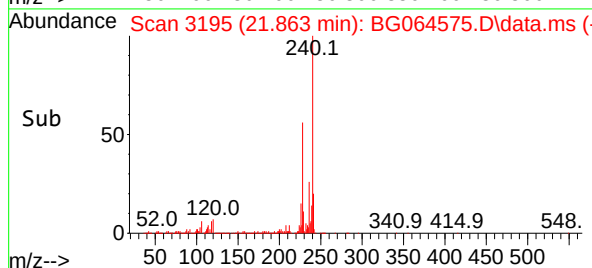
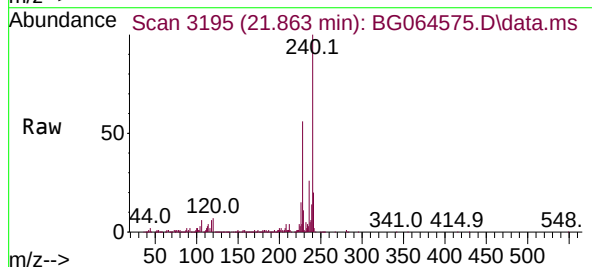
Manual Integrations
APPROVED

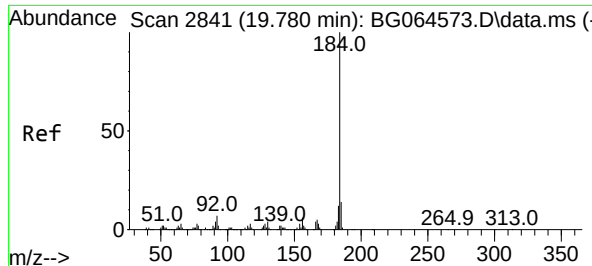
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.863 min Scan# 3195
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

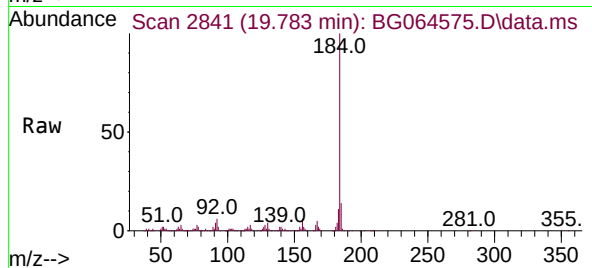
Tgt Ion:240 Resp: 363291
Ion Ratio Lower Upper
240 100
120 6.7 6.5 9.7
236 26.2 20.2 30.2





#77
Benzidine
Concen: 68.376 ng
RT: 19.783 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

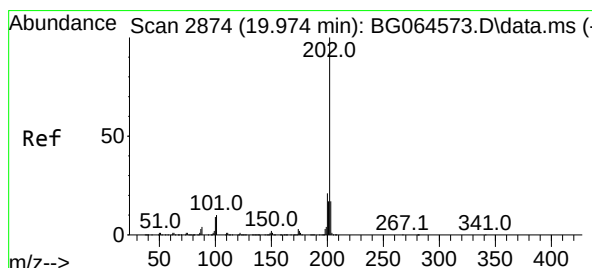
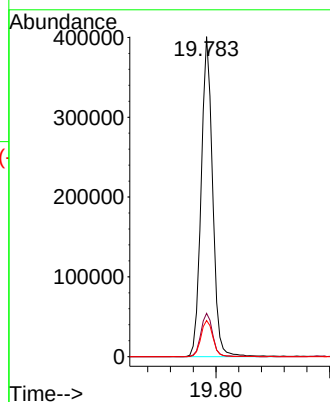
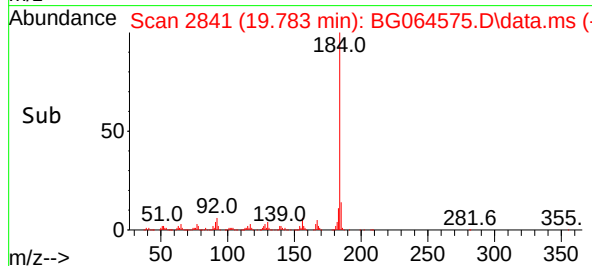
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:184 Resp: 556525
Ion Ratio Lower Upper
184 100
185 13.5 11.4 17.2
183 11.3 9.4 14.2

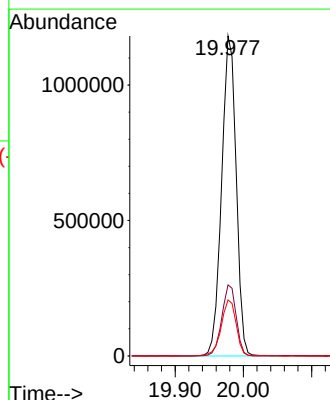
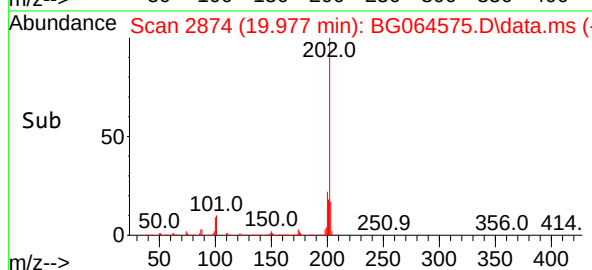
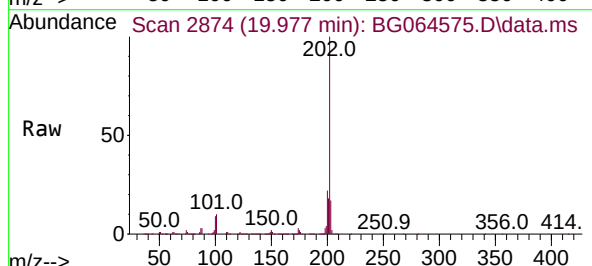
Manual Integrations
APPROVED

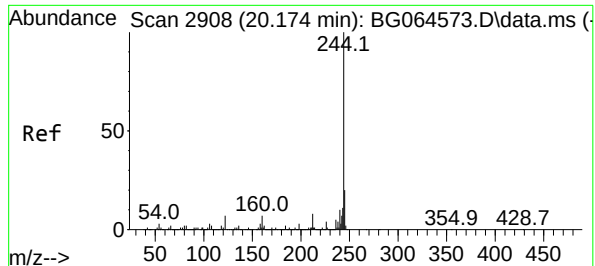
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#78
Pyrene
Concen: 73.215 ng
RT: 19.977 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

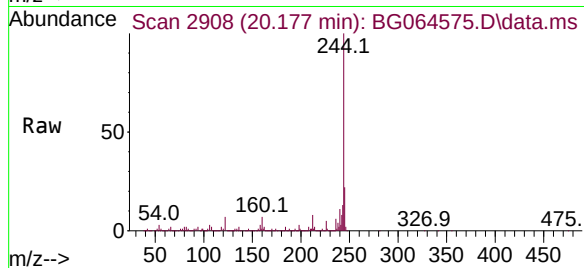
Tgt Ion:202 Resp: 1737788
Ion Ratio Lower Upper
202 100
200 22.2 17.0 25.4
203 17.5 13.8 20.6





#79
Terphenyl-d14
Concen: 140.125 ng
RT: 20.177 min Scan# 2908
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

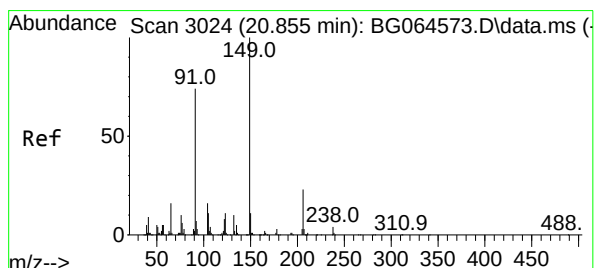
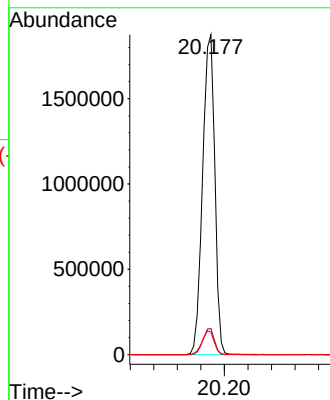
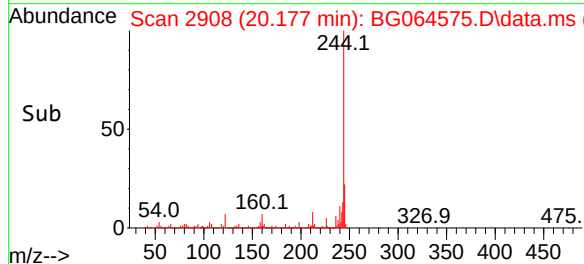
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



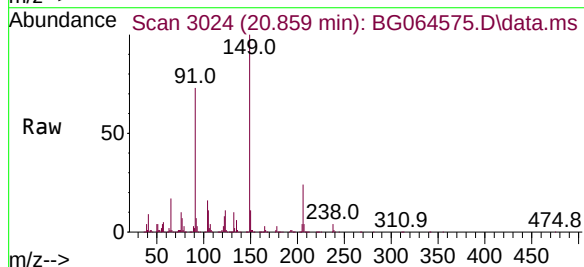
Tgt Ion:244 Resp: 2697491
Ion Ratio Lower Upper
244 100
212 8.1 6.1 9.1
122 7.0 5.6 8.4

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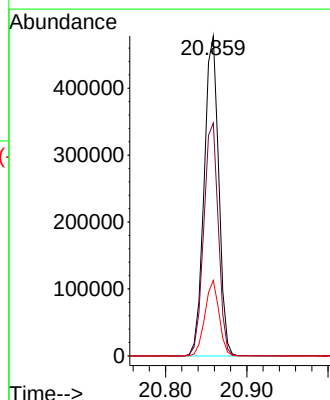
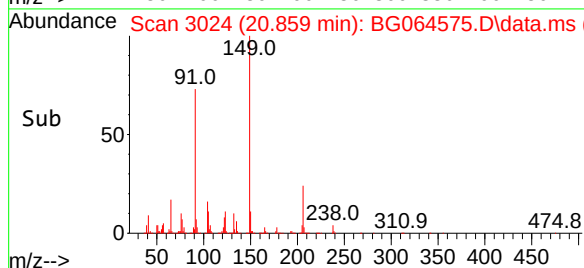
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

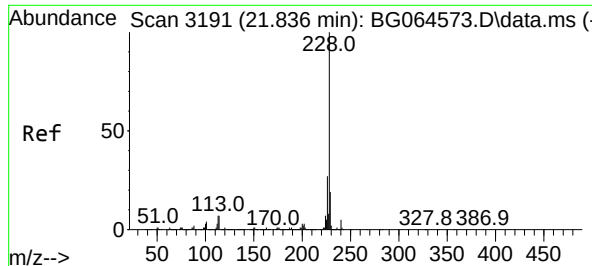


#80
Butylbenzylphthalate
Concen: 82.988 ng
RT: 20.859 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



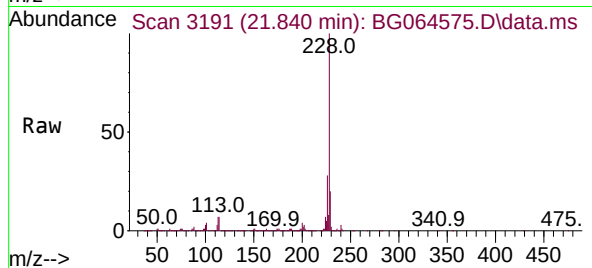
Tgt Ion:149 Resp: 595333
Ion Ratio Lower Upper
149 100
91 72.8 59.2 88.8
206 23.6 18.1 27.1





#81
Benzo(a)anthracene
Concen: 74.959 ng
RT: 21.840 min Scan# 3191
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

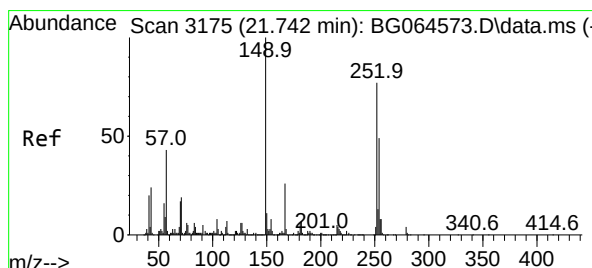
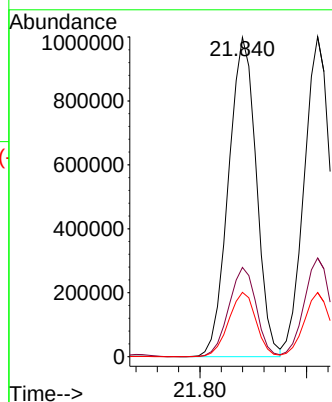
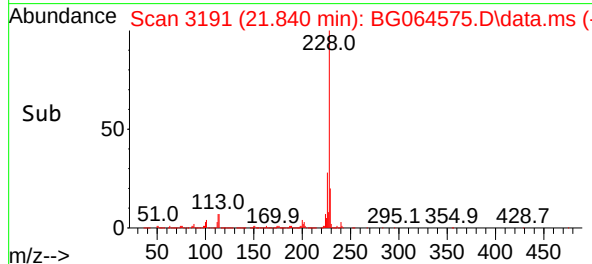
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:228 Resp: 1805628
Ion Ratio Lower Upper
228 100
226 28.0 21.9 32.9
229 20.1 15.6 23.4

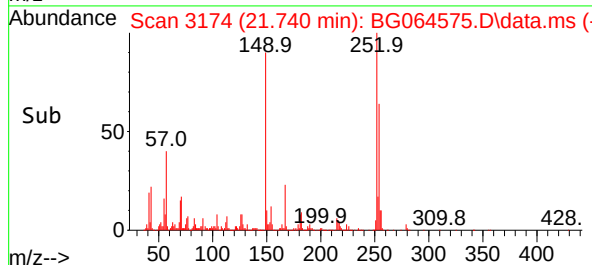
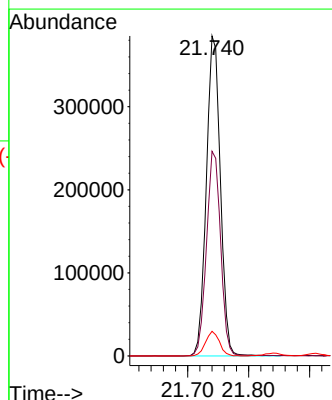
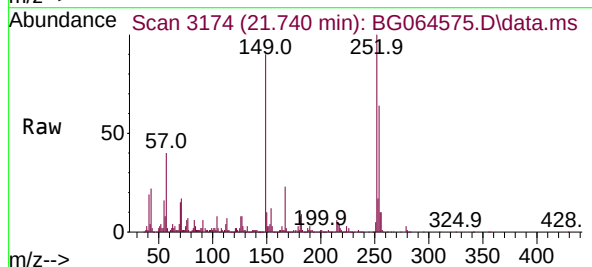
Manual Integrations
APPROVED

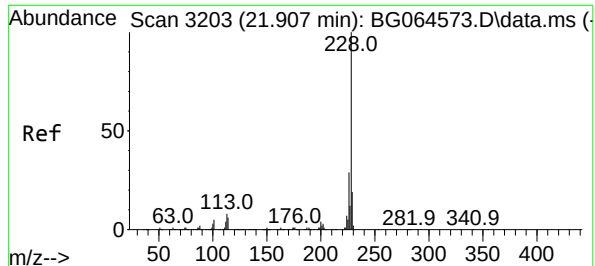
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 76.524 ng
RT: 21.740 min Scan# 3174
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 615546
Ion Ratio Lower Upper
252 100
254 63.9 50.8 76.2
126 7.7 5.8 8.6





#83

Chrysene

Concen: 74.368 ng

RT: 21.910 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:228 Resp: 170453

Ion Ratio Lower Upper

228 100

226 30.8 23.3 34.9

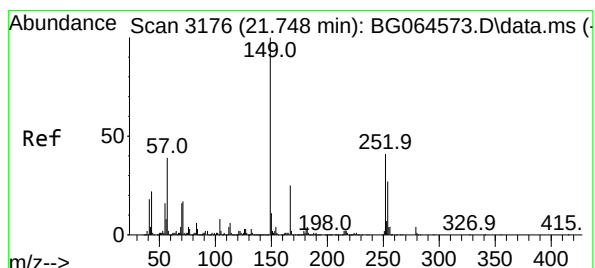
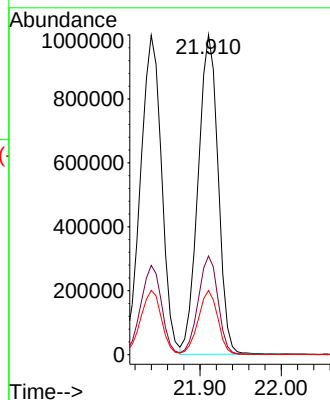
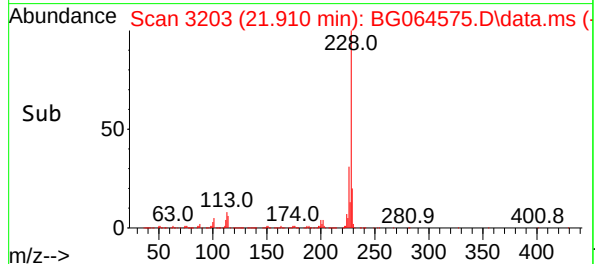
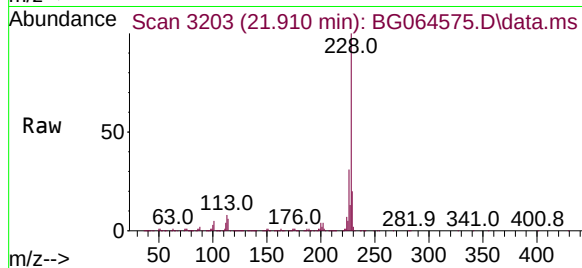
229 20.0 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 79.672 ng

RT: 21.752 min Scan# 3176

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

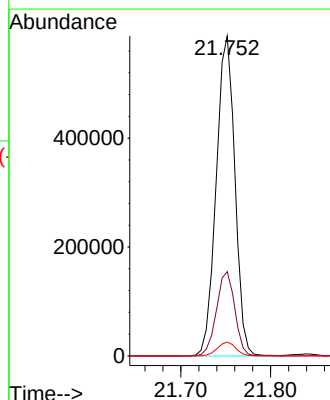
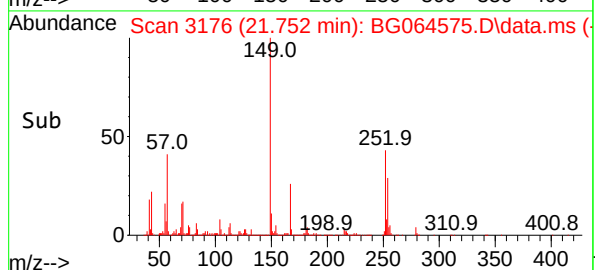
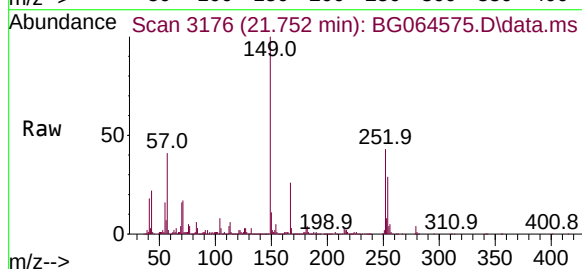
Tgt Ion:149 Resp: 854027

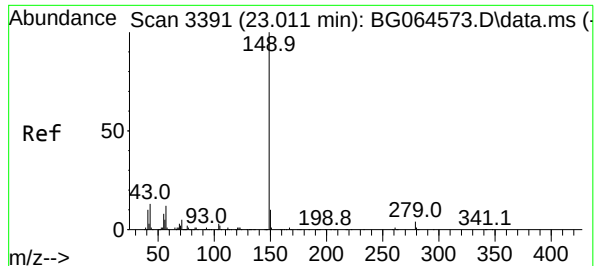
Ion Ratio Lower Upper

149 100

167 26.3 20.0 30.0

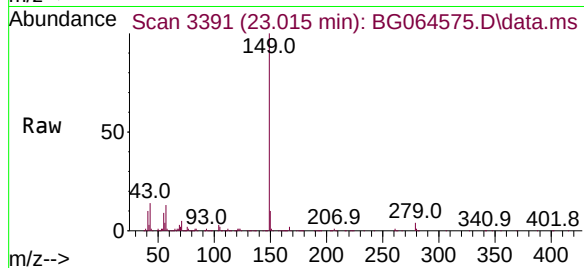
279 4.3 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 79.289 ng
RT: 23.015 min Scan# 3391
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

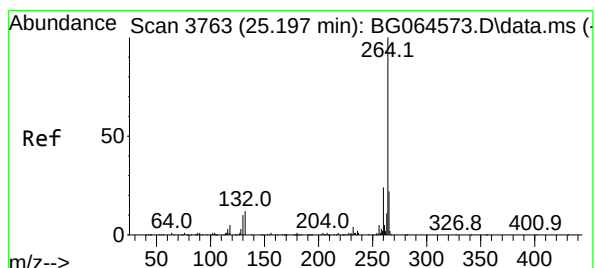
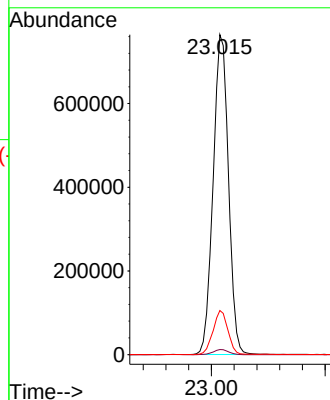
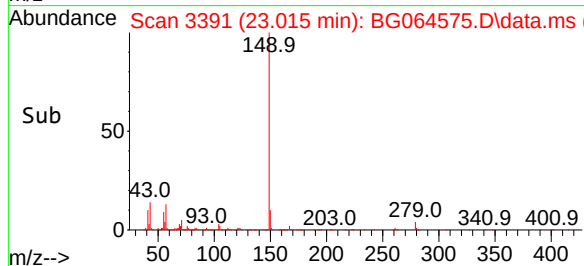
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 1432956
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.5 10.8 16.2

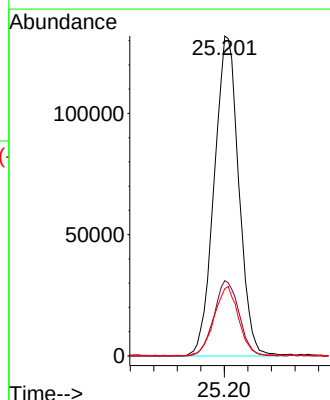
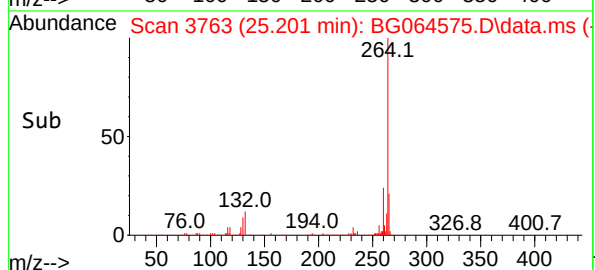
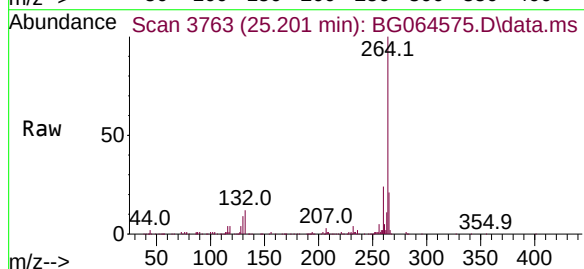
Manual Integrations
APPROVED

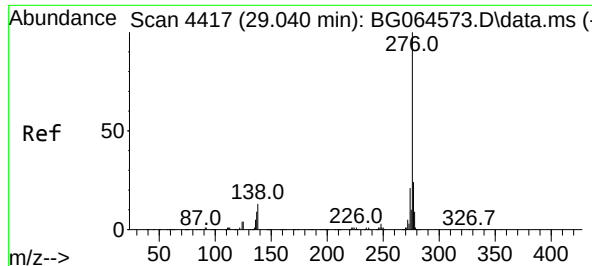
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.201 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

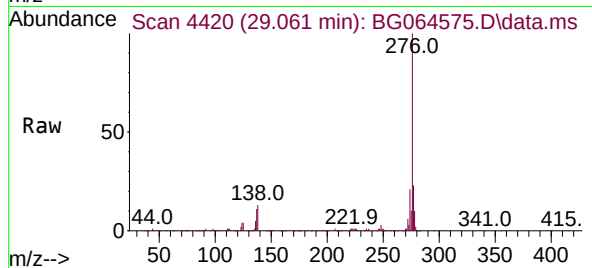
Tgt Ion:264 Resp: 382372
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.4
265 21.0 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 76.663 ng
RT: 29.061 min Scan# 4417
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

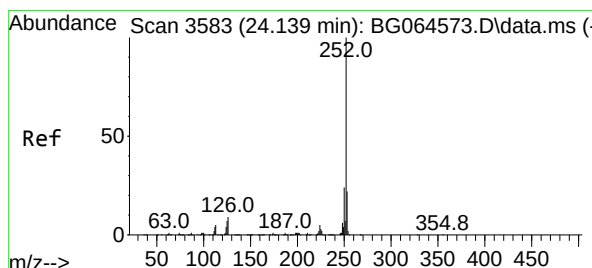
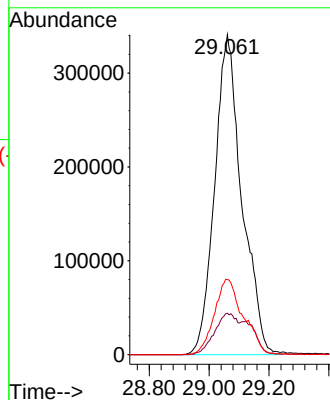
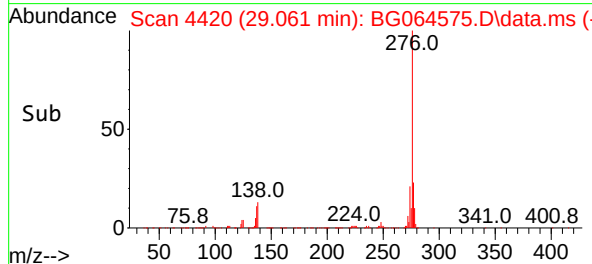
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 276 Resp: 2156428
Ion Ratio Lower Upper
276 100
138 10.9 10.8 16.2
277 25.2 20.1 30.1

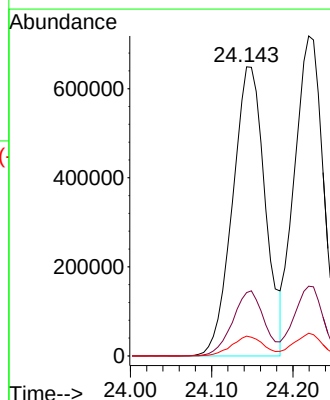
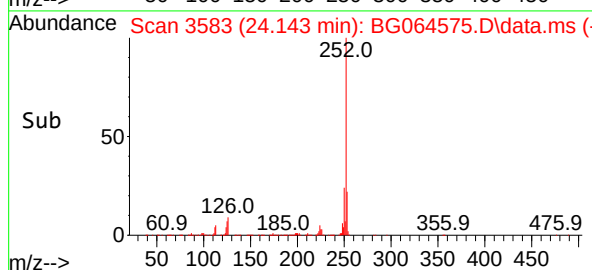
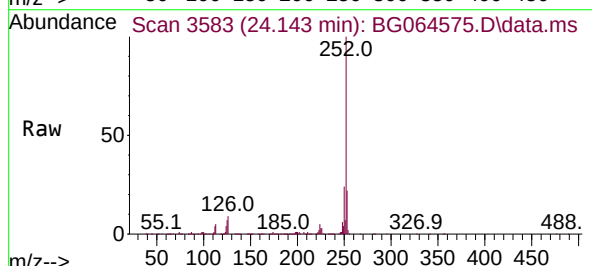
Manual Integrations
APPROVED

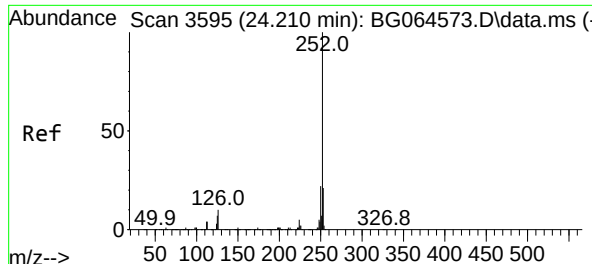
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#88
Benzo(b)fluoranthene
Concen: 77.199 ng
RT: 24.143 min Scan# 3583
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 252 Resp: 1810094
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 6.8 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 74.916 ng

RT: 24.219 min Scan# 3596

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1757758

Ion Ratio Lower Upper

252 100

253 21.8 16.8 25.2

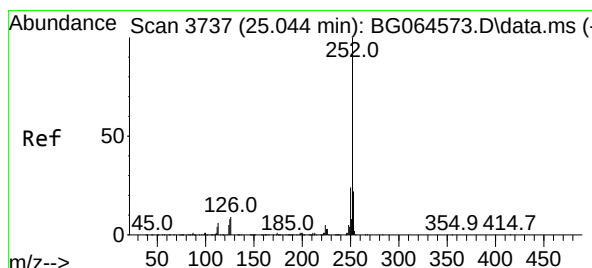
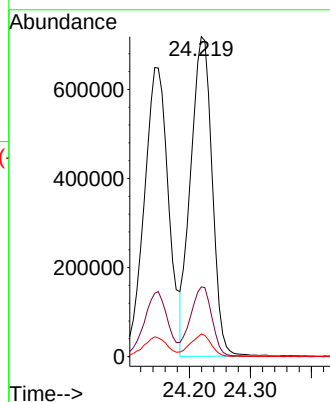
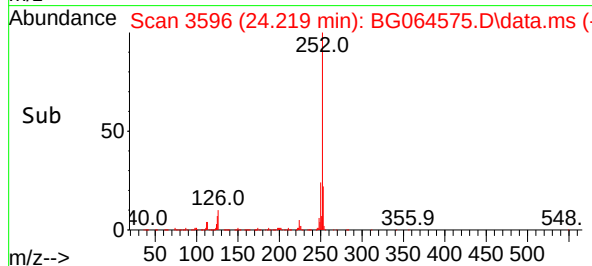
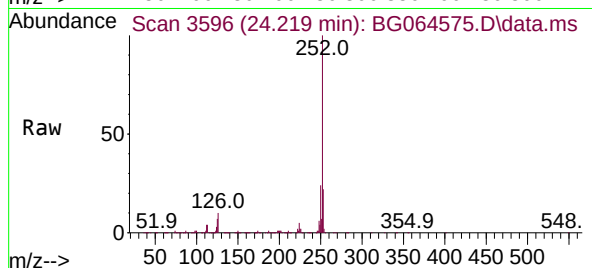
125 7.1 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 76.546 ng

RT: 25.060 min Scan# 3739

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

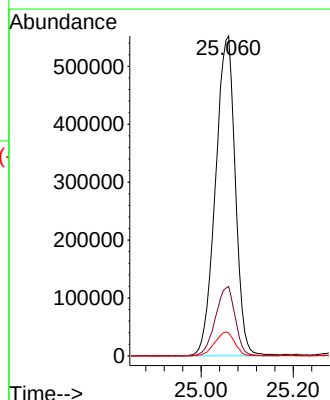
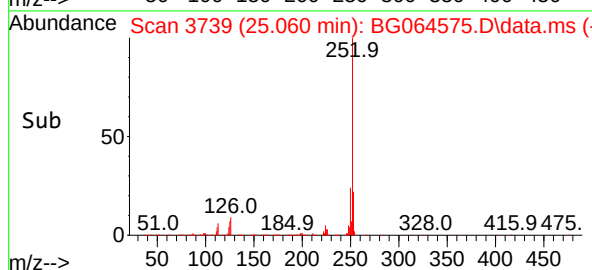
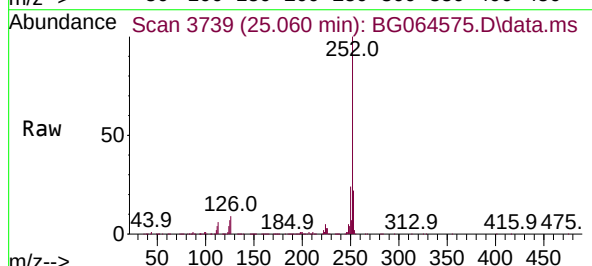
Tgt Ion:252 Resp: 1649779

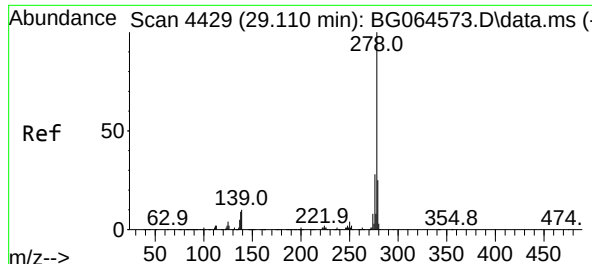
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

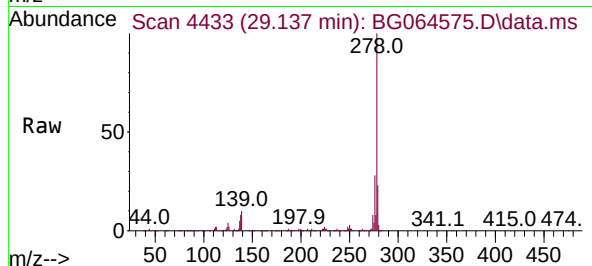
125 7.2 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 76.486 ng
RT: 29.137 min Scan# 4429
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

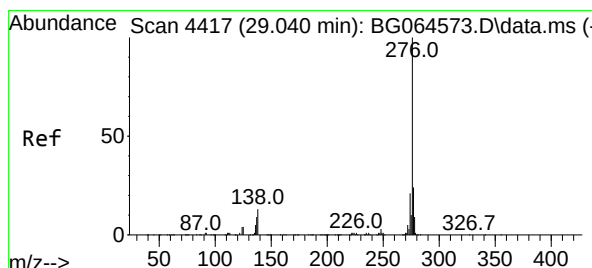
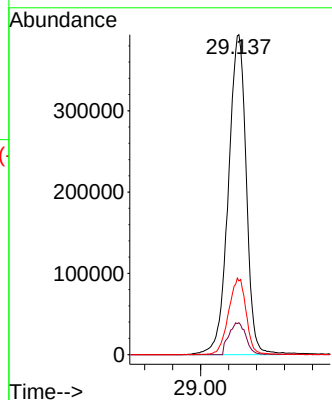
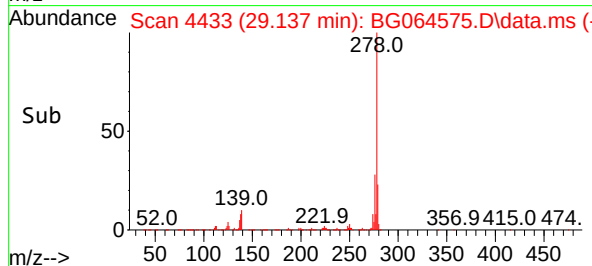
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 278 Resp: 1747890
Ion Ratio Lower Upper
278 100
139 10.0 8.0 12.0
279 23.0 19.8 29.6

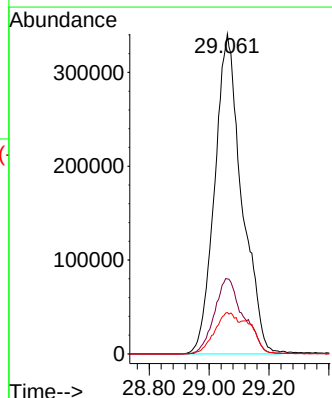
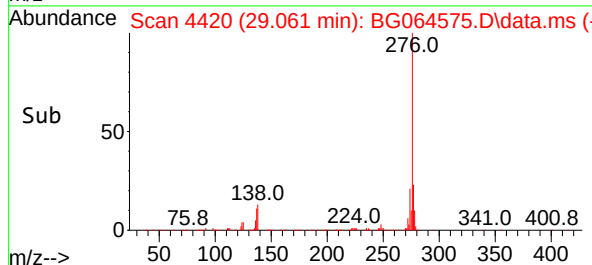
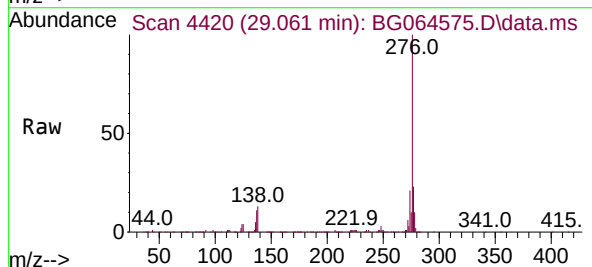
Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 76.663 ng
RT: 29.061 min Scan# 4420
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 276 Resp: 2156428
Ion Ratio Lower Upper
276 100
277 23.4 19.2 28.8
138 12.9 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064576.D
 Acq On : 24 Oct 2025 15:32
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:31 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	43774	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	182273	20.000	ng	0.00
39) Acenaphthene-d10	14.846	164	142032	20.000	ng	0.00
64) Phenanthrene-d10	17.584	188	343365	20.000	ng	0.00
76) Chrysene-d12	21.861	240	367592	20.000	ng	0.00
86) Perylene-d12	25.210	264	385865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	249333	95.606	ng	0.00
7) Phenol-d6	7.354	99	349586	97.687	ng	0.00
23) Nitrobenzene-d5	9.387	82	324249	106.847	ng	0.00
42) 2,4,6-Tribromophenol	16.326	330	207294	101.122	ng	0.00
45) 2-Fluorobiphenyl	13.477	172	877315	93.626	ng	0.00
79) Terphenyl-d14	20.175	244	1814661	93.162	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.588	88	51872	44.926	ng	99
3) Pyridine	3.999	79	161000	46.434	ng	96
4) n-Nitrosodimethylamine	3.905	42	85377	45.917	ng	92
6) Aniline	7.536	93	228687	46.963	ng	99
8) 2-Chlorophenol	7.777	128	134062	49.112	ng	96
9) Benzaldehyde	7.343	77	91457	46.812	ng	96
10) Phenol	7.384	94	192663	48.681	ng	98
11) bis(2-Chloroethyl)ether	7.536	93	228687	46.963	ng	97
12) 1,3-Dichlorobenzene	8.112	146	146905	46.758	ng	98
13) 1,4-Dichlorobenzene	8.259	146	151083	47.294	ng	93
14) 1,2-Dichlorobenzene	8.582	146	143986	46.729	ng	96
15) Benzyl Alcohol	8.447	79	142880	48.417	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.741	45	361264	47.332	ng	99
17) 2-Methylphenol	8.453	107	74046	50.198	ng	96
18) Hexachloroethane	9.328	117	54330	48.463	ng	94
19) n-Nitroso-di-n-propyla...	9.029	70	122051	49.350	ng	97
20) 3+4-Methylphenols	8.982	107	176415	47.740	ng	99
22) Acetophenone	9.046	105	234956	47.155	ng	# 100
24) Nitrobenzene	9.428	77	171837	52.060	ng	96
25) Isophorone	9.957	82	348174	47.813	ng	97
26) 2-Nitrophenol	10.145	139	61611	48.353	ng	90
27) 2,4-Dimethylphenol	10.198	122	140852m	50.979	ng	
28) bis(2-Chloroethoxy)met...	10.439	93	194038	46.800	ng	99
29) 2,4-Dichlorophenol	10.680	162	148850	51.062	ng	94
30) 1,2,4-Trichlorobenzene	10.909	180	159207	48.068	ng	94
31) Naphthalene	11.103	128	471891	46.695	ng	98
32) Benzoic acid	10.321	122	97652m	48.883	ng	
33) 4-Chloroaniline	11.191	127	186814	47.560	ng	98
34) Hexachlorobutadiene	11.397	225	123596	47.716	ng	98
35) Caprolactam	11.961	113	53689	48.020	ng	# 93
36) 4-Chloro-3-methylphenol	12.296	107	171120	48.836	ng	98
37) 2-Methylnaphthalene	12.695	142	351946	47.435	ng	97
38) 1-Methylnaphthalene	12.913	142	342687	46.939	ng	95
40) 1,2,4,5-Tetrachloroben...	13.054	216	224658	47.131	ng	99
41) Hexachlorocyclopentadiene	13.042	237	105411	49.131	ng	98
43) 2,4,6-Trichlorophenol	13.283	196	141505	51.898	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064576.D
 Acq On : 24 Oct 2025 15:32
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:31 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

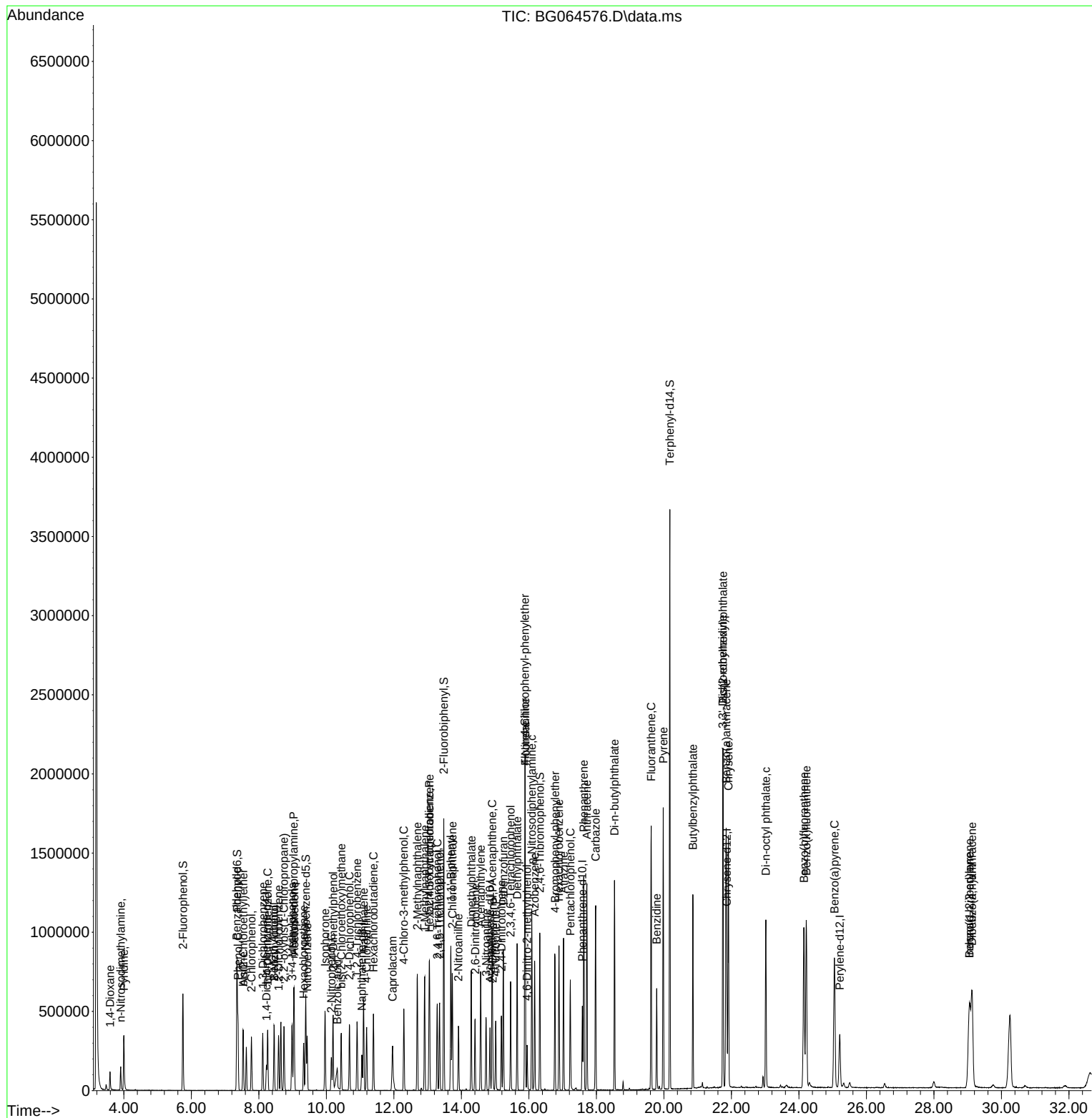
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.353	196	157315	49.997	ng	96
46) 1,1'-Biphenyl	13.688	154	470676	46.613	ng	99
47) 2-Chloronaphthalene	13.729	162	359811	47.208	ng	99
48) 2-Nitroaniline	13.911	65	121908	47.668	ng	92
49) Acenaphthylene	14.569	152	565771	47.060	ng	99
50) Dimethylphthalate	14.293	163	519303	47.781	ng	99
51) 2,6-Dinitrotoluene	14.405	165	86665	48.306	ng	99
52) Acenaphthene	14.910	154	388012	47.239	ng	99
53) 3-Nitroaniline	14.734	138	99748	53.405	ng	96
54) 2,4-Dinitrophenol	14.928	184	49318	47.268	ng	89
55) Dibenzofuran	15.239	168	615553	46.355	ng	99
56) 4-Nitrophenol	15.016	139	88609	51.169	ng	95
57) 2,4-Dinitrotoluene	15.186	165	132374	47.759	ng	# 99
58) Fluorene	15.891	166	481625	46.441	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.457	232	157783	52.440	ng	99
60) Diethylphthalate	15.650	149	527594	47.543	ng	100
61) 4-Chlorophenyl-phenyle...	15.880	204	271068	46.576	ng	98
62) 4-Nitroaniline	15.891	138	110067	52.970	ng	98
63) Azobenzene	16.168	77	475203	46.671	ng	99
65) 4,6-Dinitro-2-methylph...	15.944	198	71672	47.500	ng	95
66) n-Nitrosodiphenylamine	16.085	169	444824	47.959	ng	99
67) 4-Bromophenyl-phenylether	16.773	248	196226	48.225	ng	96
68) Hexachlorobenzene	16.890	284	223018	48.043	ng	94
69) Atrazine	17.025	200	187862	47.066	ng	96
70) Pentachlorophenol	17.225	266	147427	50.930	ng	95
71) Phenanthrene	17.625	178	875415	46.621	ng	99
72) Anthracene	17.719	178	893629	46.785	ng	99
73) Carbazole	17.977	167	781031	46.370	ng	100
74) Di-n-butylphthalate	18.535	149	930281	47.762	ng	100
75) Fluoranthene	19.622	202	1092855	46.459	ng	99
77) Benzidine	19.787	184	382418	46.435	ng	100
78) Pyrene	19.981	202	1133345	47.190	ng	99
80) Butylbenzylphthalate	20.856	149	374611	51.609	ng	100
81) Benzo(a)anthracene	21.843	228	1151242	47.234	ng	99
82) 3,3'-Dichlorobenzidine	21.743	252	389240	47.824	ng	97
83) Chrysene	21.908	228	1091456	47.062	ng	98
84) Bis(2-ethylhexyl)phtha...	21.749	149	537716	49.576	ng	98
85) Di-n-octyl phthalate	23.018	149	896763	49.039	ng	99
87) Indeno(1,2,3-cd)pyrene	29.052	276	1346188	47.425	ng	97
88) Benzo(b)fluoranthene	24.146	252	1131250	47.810	ng	100
89) Benzo(k)fluoranthene	24.217	252	1110490	46.901	ng	98
90) Benzo(a)pyrene	25.051	252	1029605	47.339	ng	99
91) Dibenzo(a,h)anthracene	29.129	278	1090407	47.283	ng	99
92) Benzo(g,h,i)perylene	29.052	276	1346188	47.425	ng	100

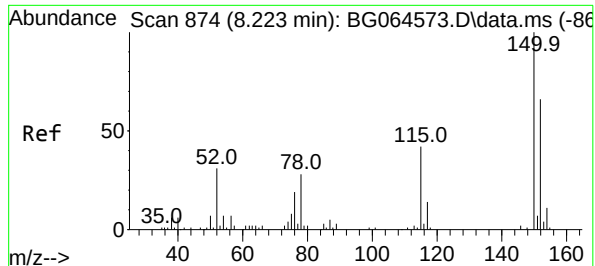
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

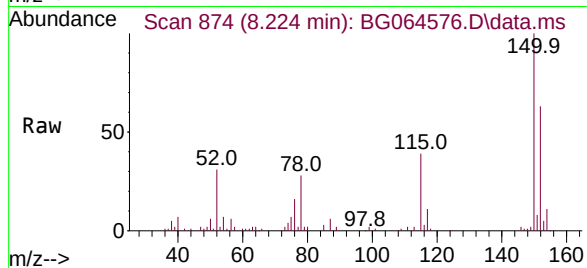
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

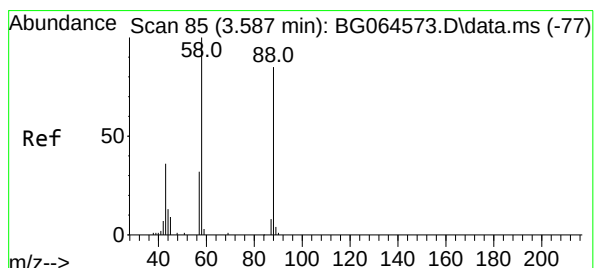
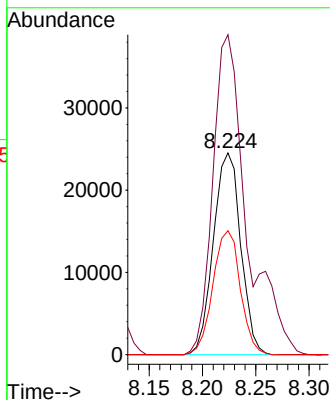
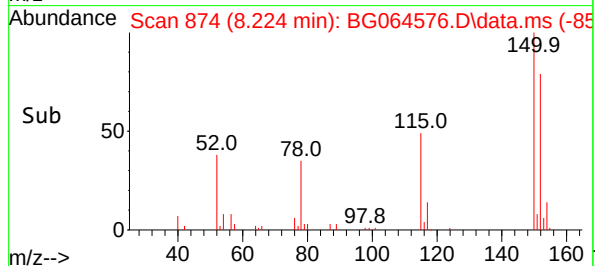
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 43774
Ion Ratio Lower Upper
152 100
150 158.7 122.2 183.4
115 61.5 50.8 76.2

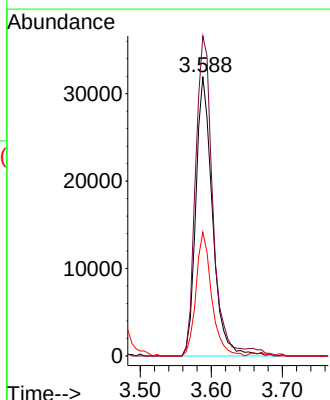
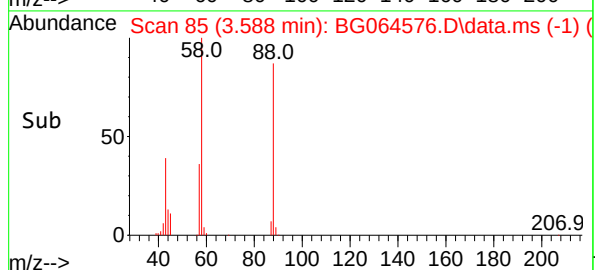
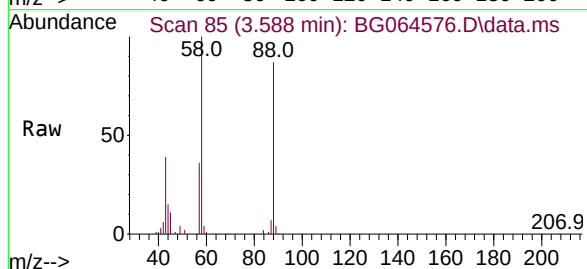
Manual Integrations
APPROVED

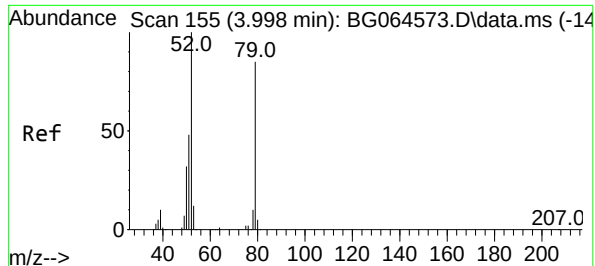
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#2
1,4-Dioxane
Concen: 44.926 ng
RT: 3.588 min Scan# 85
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

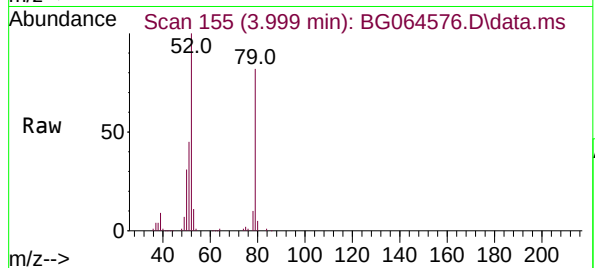
Tgt Ion: 88 Resp: 51872
Ion Ratio Lower Upper
88 100
58 116.7 92.4 138.6
43 41.6 33.0 49.6





#3
Pyridine
Concen: 46.434 ng
RT: 3.999 min Scan# 155
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

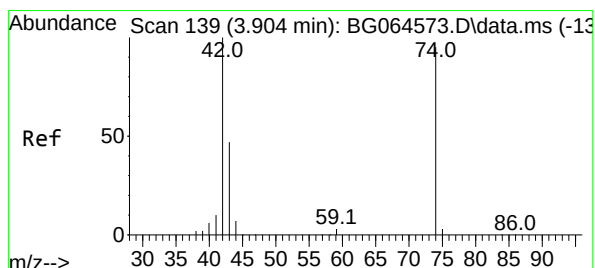
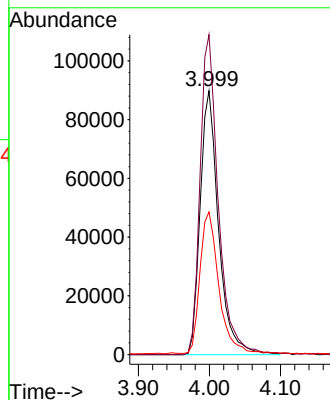
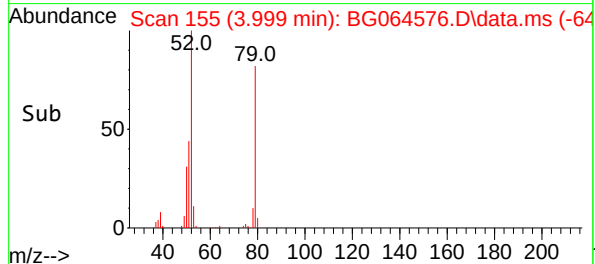
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 79 Resp: 161000
Ion Ratio Lower Upper
79 100
52 121.3 94.2 141.2
51 54.1 46.1 69.1

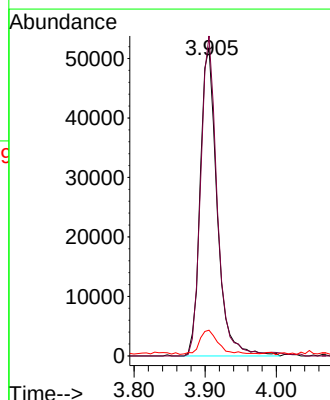
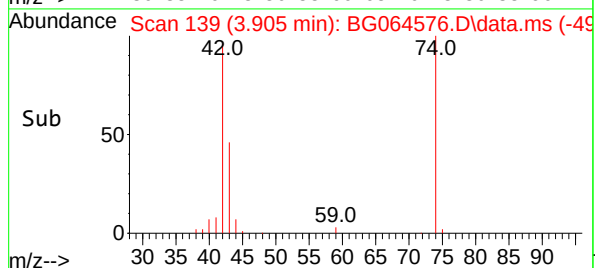
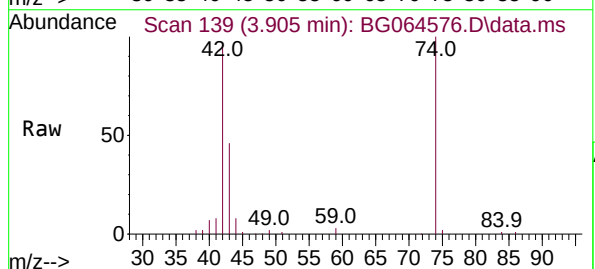
Manual Integrations
APPROVED

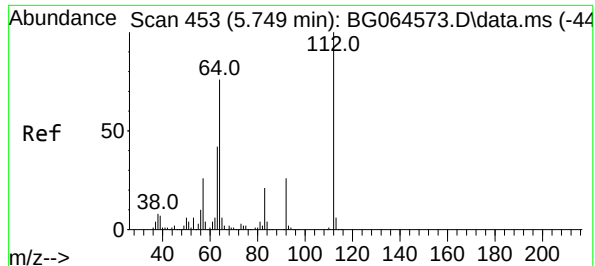
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#4
n-Nitrosodimethylamine
Concen: 45.917 ng
RT: 3.905 min Scan# 139
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

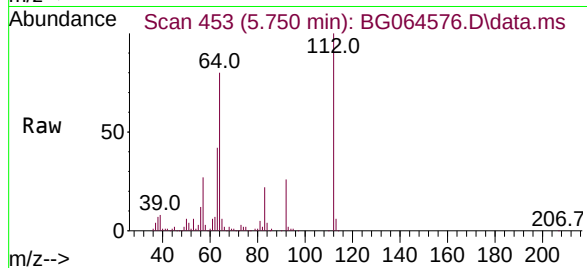
Tgt Ion: 42 Resp: 85377
Ion Ratio Lower Upper
42 100
74 103.9 76.1 114.1
44 8.4 6.3 9.5





#5
2-Fluorophenol
Concen: 95.606 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

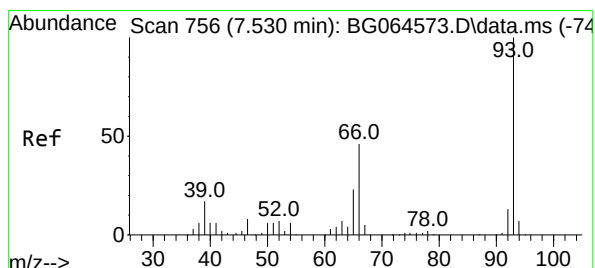
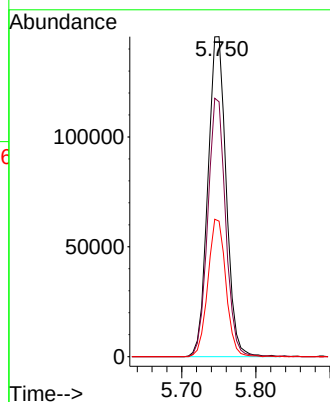
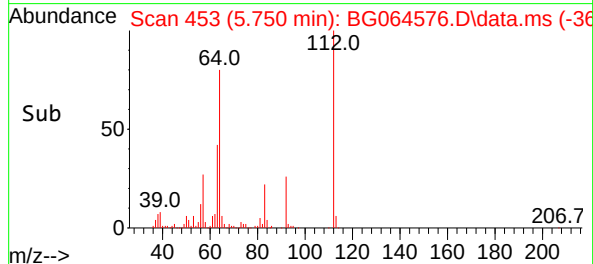
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 112 Resp: 249333
Ion Ratio Lower Upper
112 100
64 79.6 60.7 91.1
63 42.3 33.4 50.0

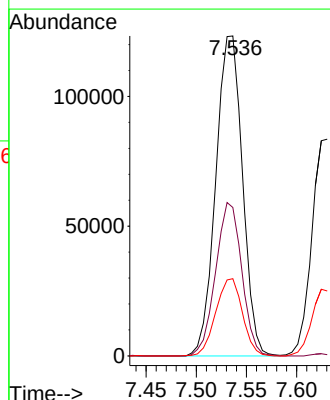
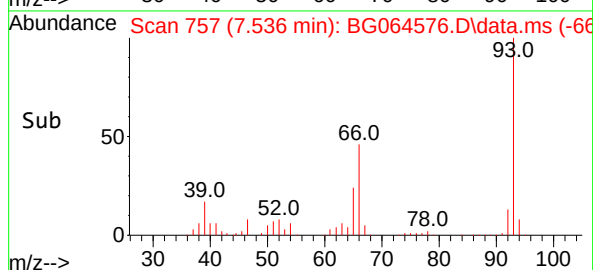
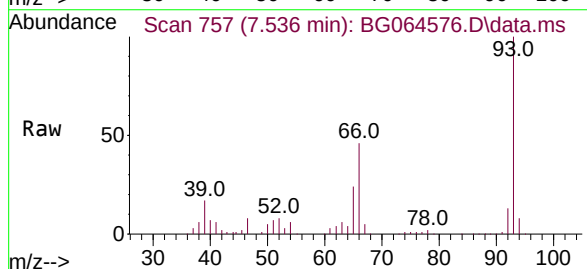
Manual Integrations
APPROVED

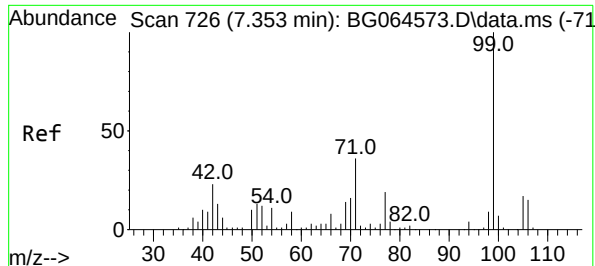
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 46.963 ng
RT: 7.536 min Scan# 757
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 228687
Ion Ratio Lower Upper
93 100
66 46.4 37.0 55.6
65 24.1 18.3 27.5





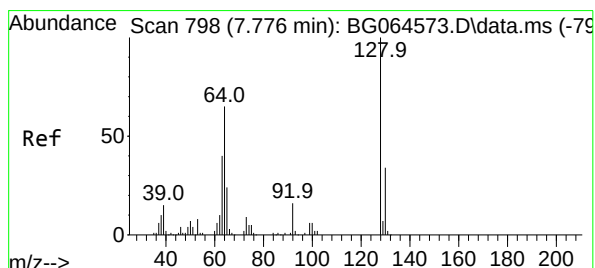
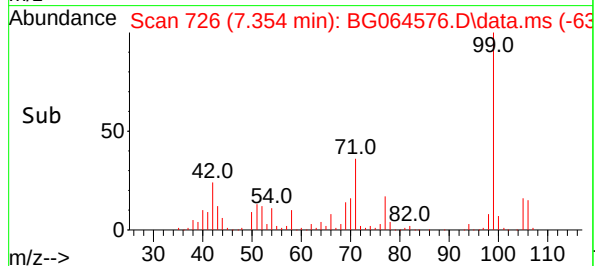
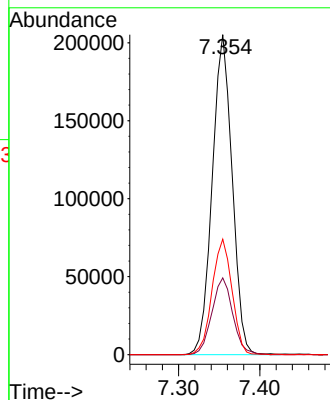
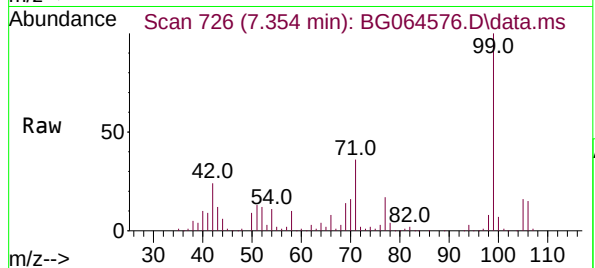
#7
Phenol-d6
Concen: 97.687 ng
RT: 7.354 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 349586
Ion Ratio Lower Upper
99 100
42 24.0 18.3 27.5
71 36.1 28.6 43.0

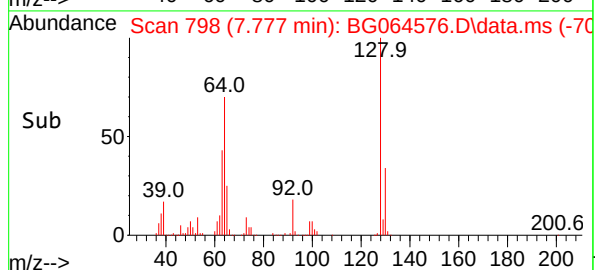
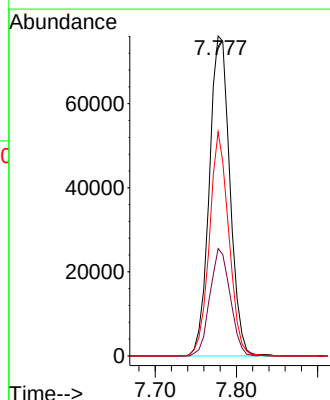
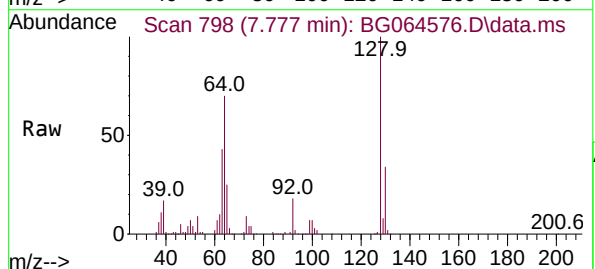
Manual Integrations
APPROVED

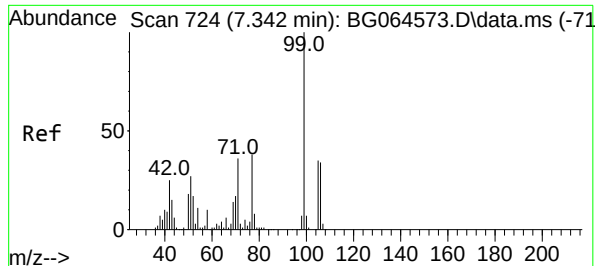
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#8
2-Chlorophenol
Concen: 49.112 ng
RT: 7.777 min Scan# 798
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

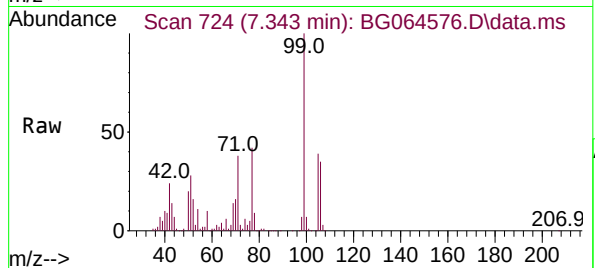
Tgt Ion:128 Resp: 134062
Ion Ratio Lower Upper
128 100
130 33.5 13.5 53.5
64 70.0 45.2 85.2





#9
Benzaldehyde
Concen: 46.812 ng
RT: 7.343 min Scan# 711
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

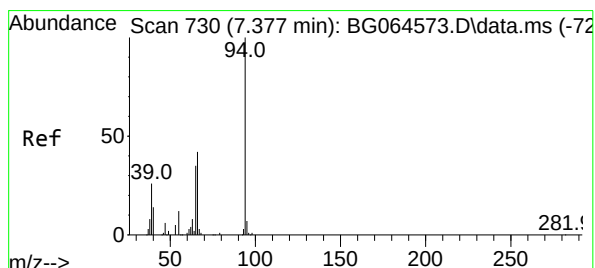
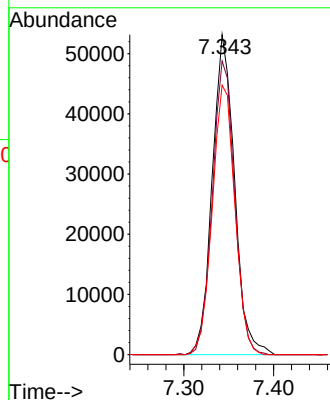
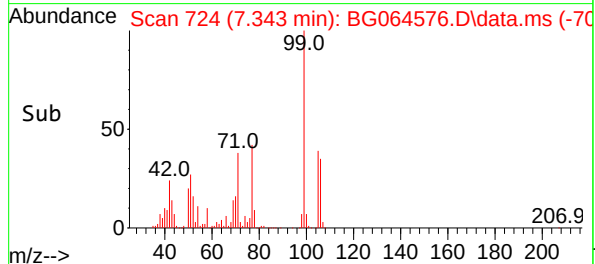
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



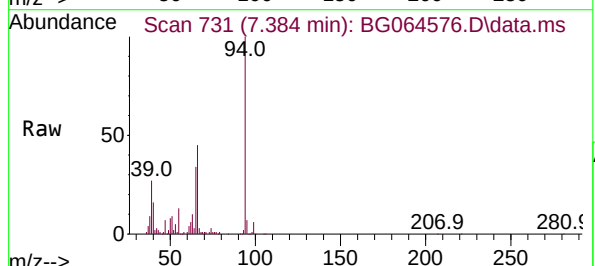
Tgt Ion: 77 Resp: 91452
Ion Ratio Lower Upper
77 100
105 91.7 72.9 112.9
106 84.2 70.8 110.8

Manual Integrations
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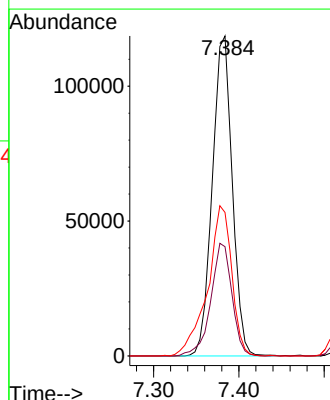
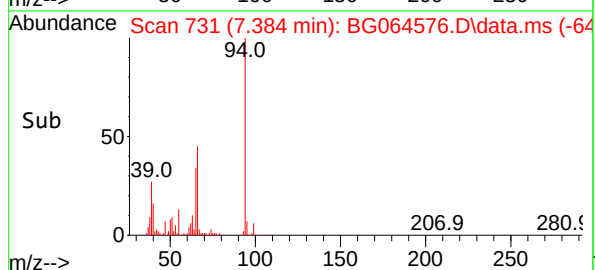
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

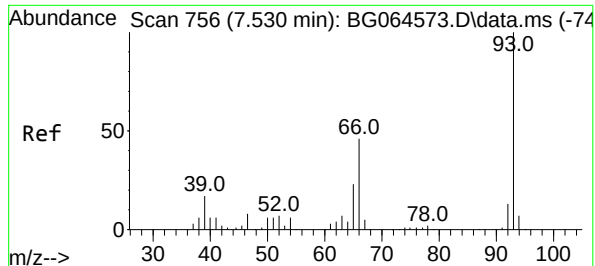


#10
Phenol
Concen: 48.681 ng
RT: 7.384 min Scan# 731
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



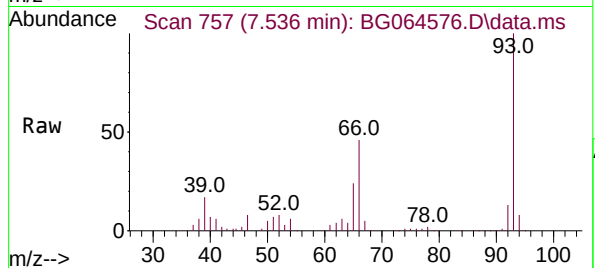
Tgt Ion: 94 Resp: 192663
Ion Ratio Lower Upper
94 100
65 34.1 15.8 55.8
66 44.8 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 46.963 ng
RT: 7.536 min Scan# 757
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

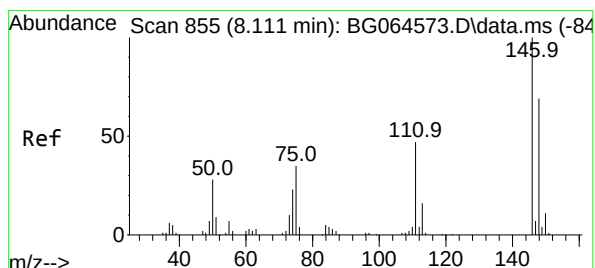
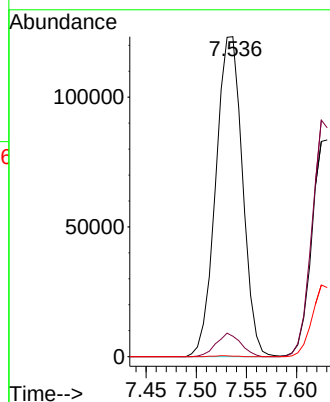
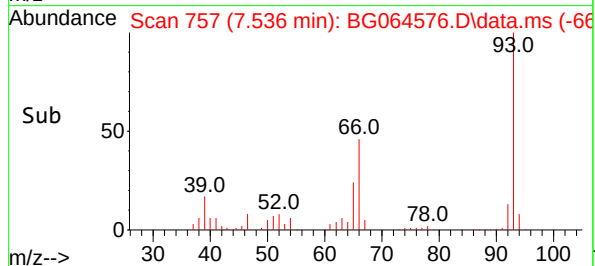
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



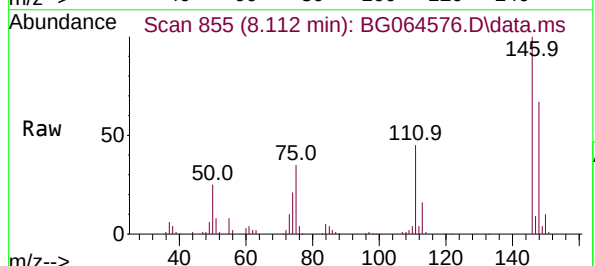
Tgt Ion: 93 Resp: 22868
Ion Ratio Lower Upper
93 100
63 6.4 0.0 27.4
95 0.1 0.0 20.2

Manual Integrations
APPROVED

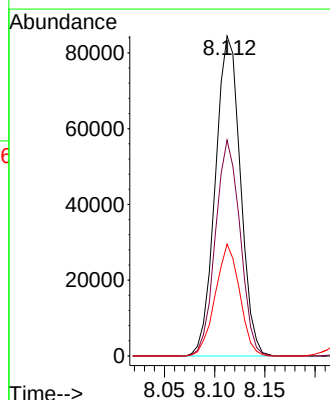
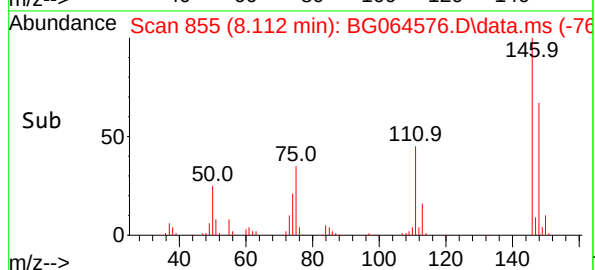
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

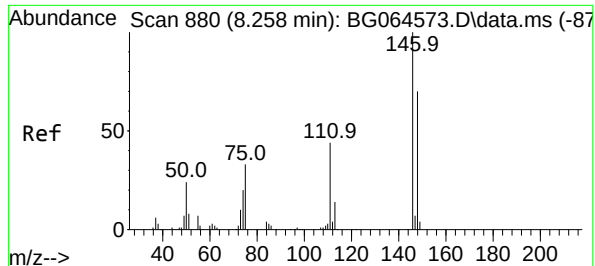


#12
1,3-Dichlorobenzene
Concen: 46.758 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



Tgt Ion:146 Resp: 146905
Ion Ratio Lower Upper
146 100
148 67.4 55.3 82.9
75 34.9 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 47.294 ng

RT: 8.259 min Scan# 880

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 151083

Ion Ratio Lower Upper

146 100

148 62.7 56.2 84.4

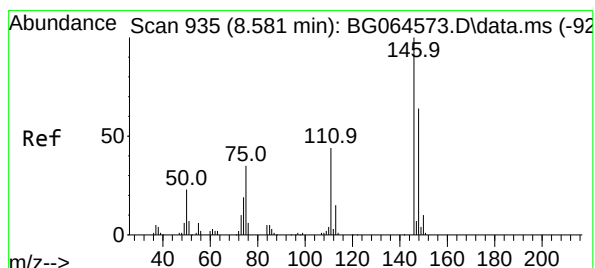
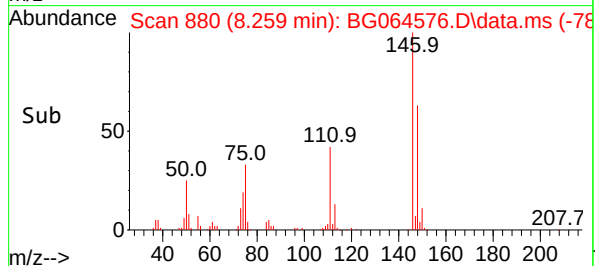
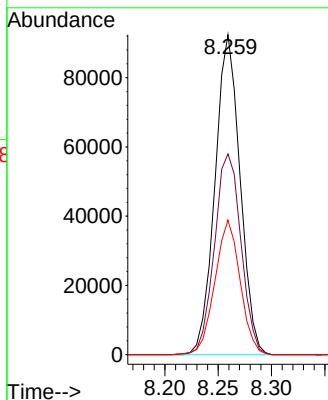
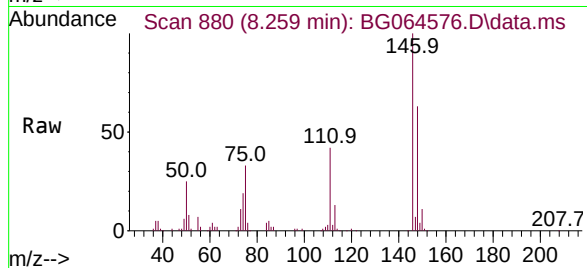
111 42.0 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 46.729 ng

RT: 8.582 min Scan# 935

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

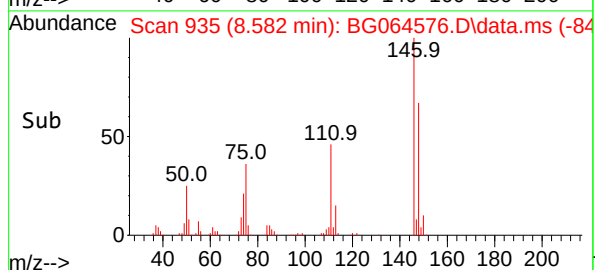
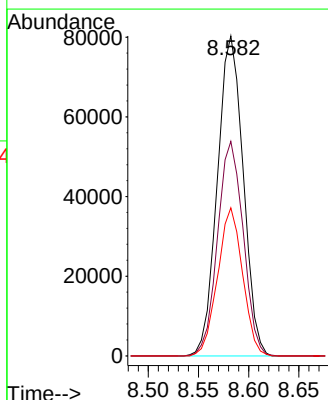
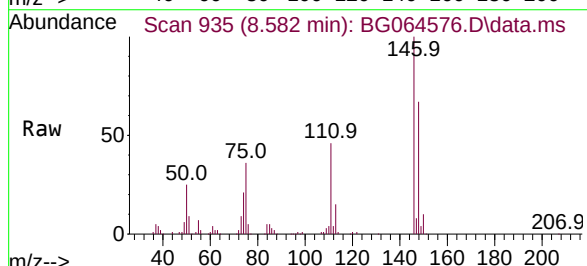
Tgt Ion:146 Resp: 143986

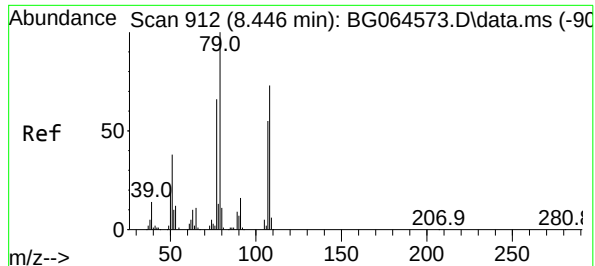
Ion Ratio Lower Upper

146 100

148 67.0 51.5 77.3

111 46.3 35.0 52.6





#15

Benzyl Alcohol

Concen: 48.417 ng

RT: 8.447 min Scan# 912

Delta R.T. -0.008 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 142880

Ion Ratio Lower Upper

79 100

108 71.2 58.1 87.1

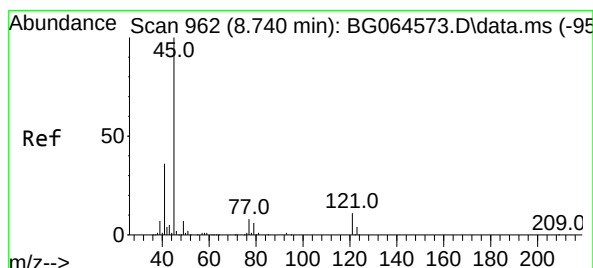
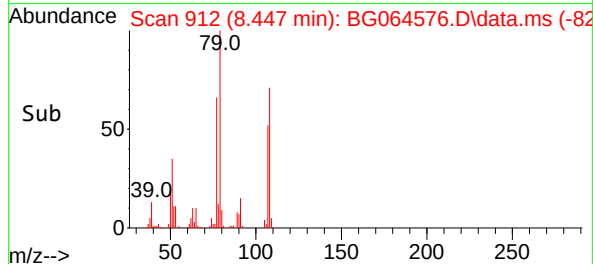
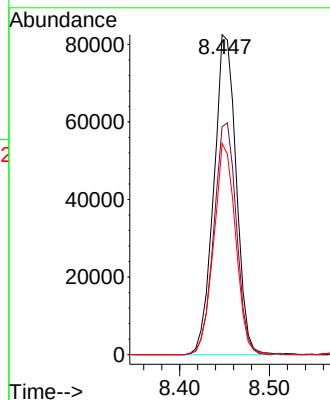
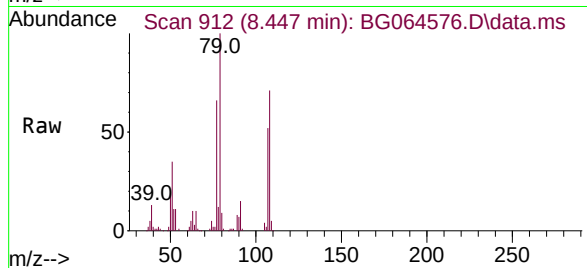
77 66.0 52.8 79.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.332 ng

RT: 8.741 min Scan# 962

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

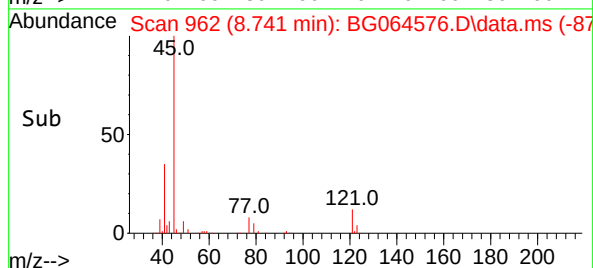
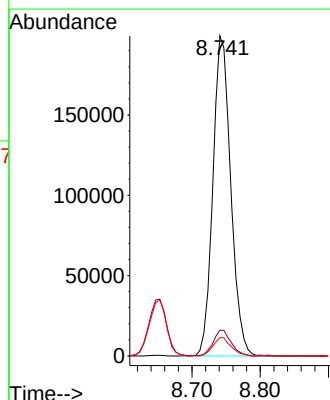
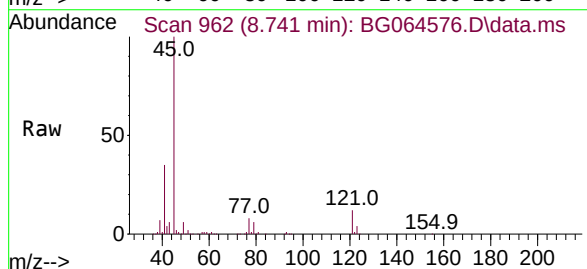
Tgt Ion: 45 Resp: 361264

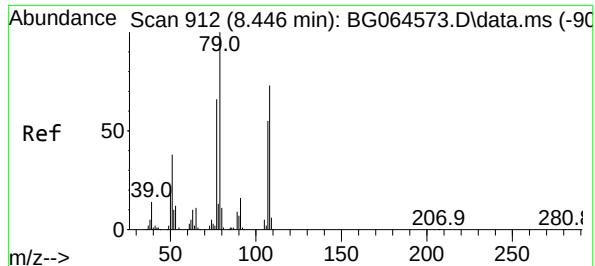
Ion Ratio Lower Upper

45 100

77 8.0 0.0 28.5

79 5.7 0.0 25.6





#17

2-Methylphenol

Concen: 50.198 ng

RT: 8.453 min Scan# 91

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:107 Resp: 74046

Ion Ratio Lower Upper

107 100

108 139.7 106.4 159.6

77 120.8 96.7 145.1

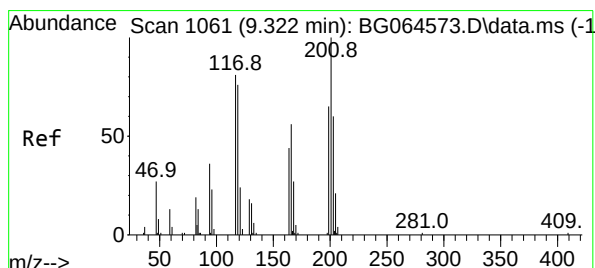
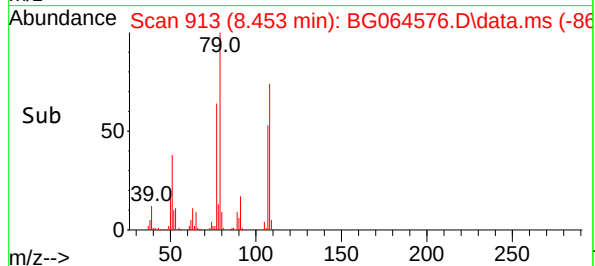
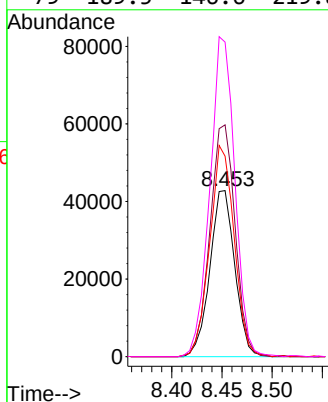
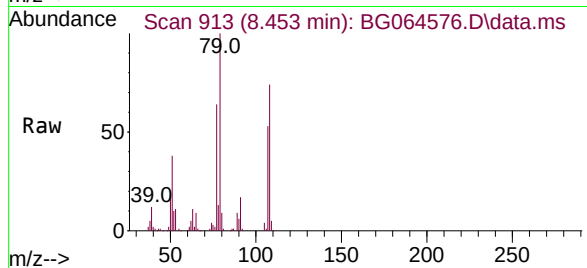
79 189.5 146.6 219.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 48.463 ng

RT: 9.328 min Scan# 1062

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

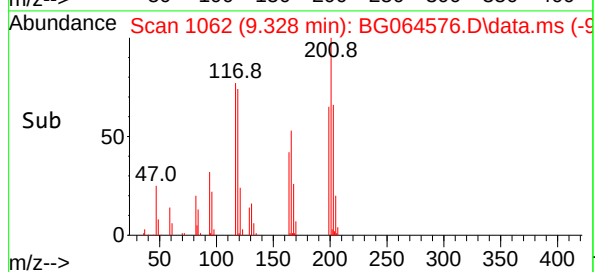
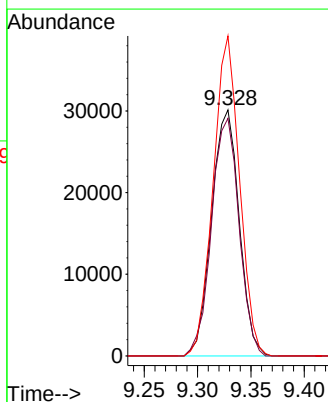
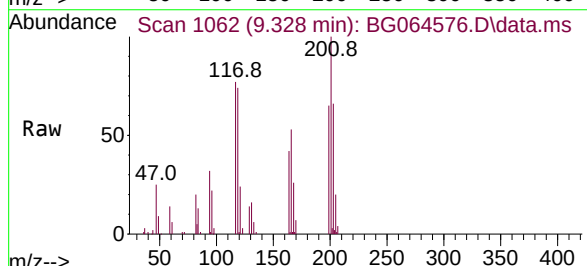
Tgt Ion:117 Resp: 54330

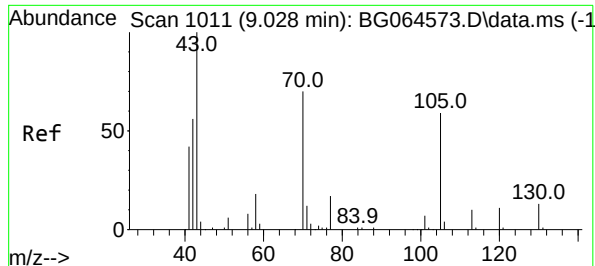
Ion Ratio Lower Upper

117 100

119 96.5 75.4 113.2

201 134.0 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 49.350 ng

RT: 9.029 min Scan# 1011

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 12205

Ion Ratio Lower Upper

70 100

42 78.6 65.2 97.8

101 8.8 7.9 11.9

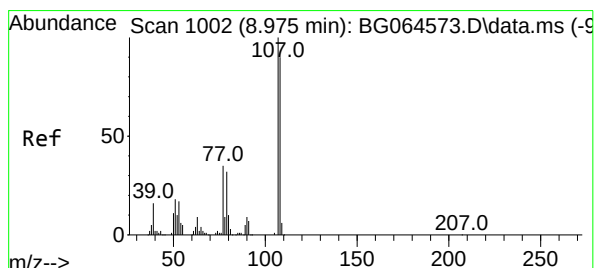
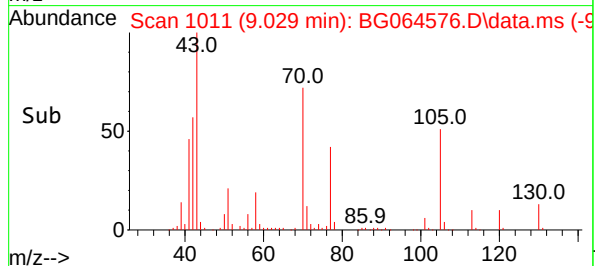
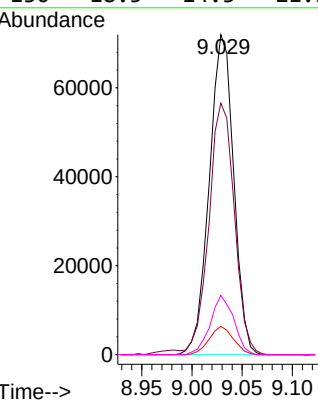
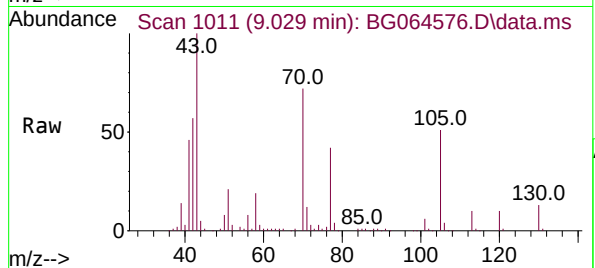
130 18.5 14.3 21.5

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 47.740 ng

RT: 8.982 min Scan# 1003

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 176415

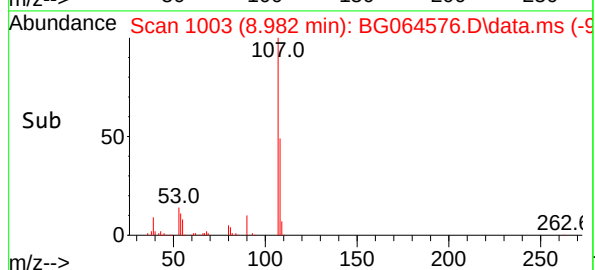
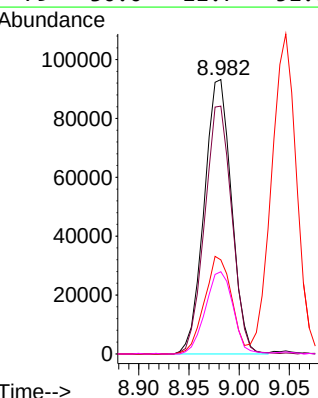
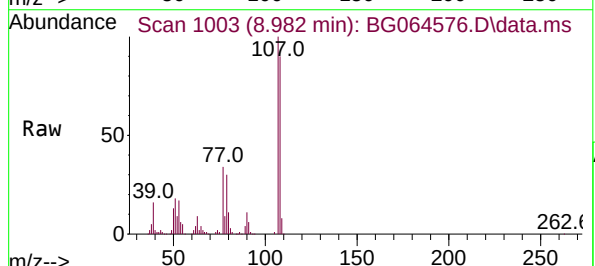
Ion Ratio Lower Upper

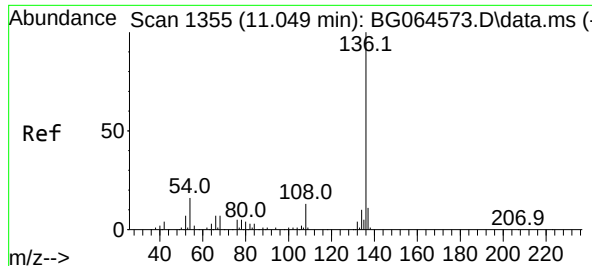
107 100

108 90.4 70.3 110.3

77 34.2 14.6 54.6

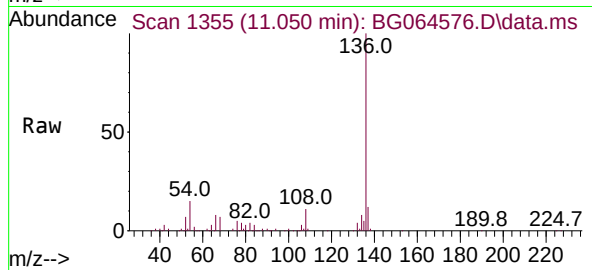
79 30.0 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1355
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

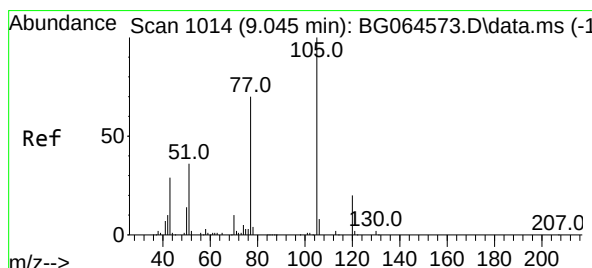
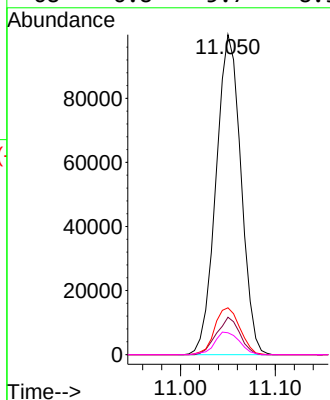
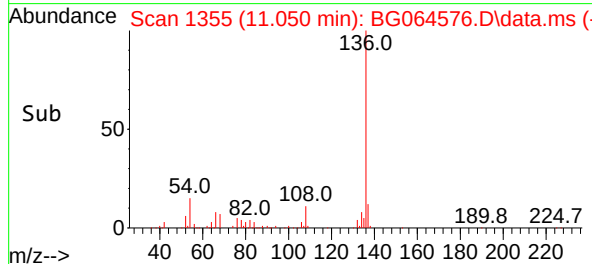
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:136 Resp: 182273
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 14.6 12.6 19.0
68 6.8 5.7 8.5

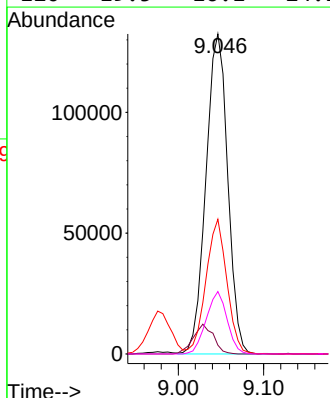
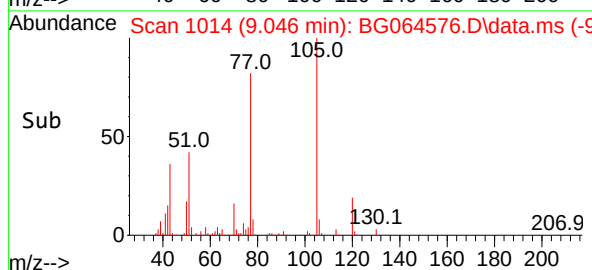
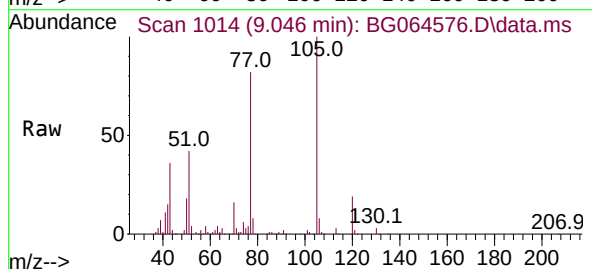
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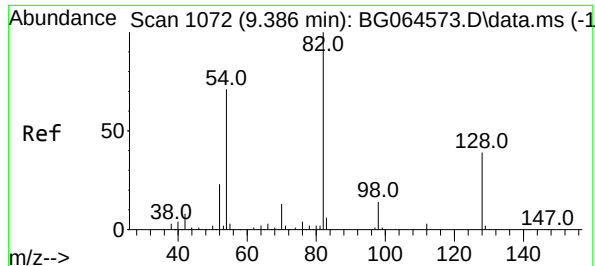
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#22
Acetophenone
Concen: 47.155 ng
RT: 9.046 min Scan# 1014
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:105 Resp: 234956
Ion Ratio Lower Upper
105 100
71 2.8 1.5 2.3#
51 42.1 33.7 50.5
120 19.5 16.1 24.1





#23

Nitrobenzene-d5

Concen: 106.847 ng

RT: 9.387 min Scan# 1072

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 324249

Ion Ratio Lower Upper

82 100

128 37.9 31.3 46.9

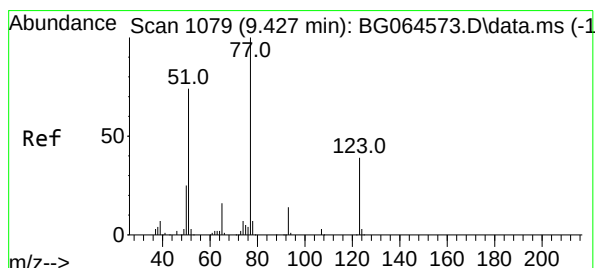
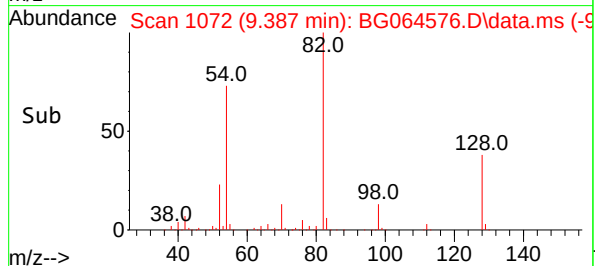
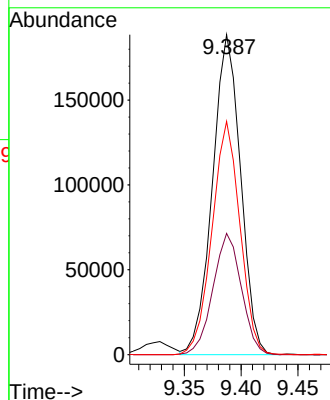
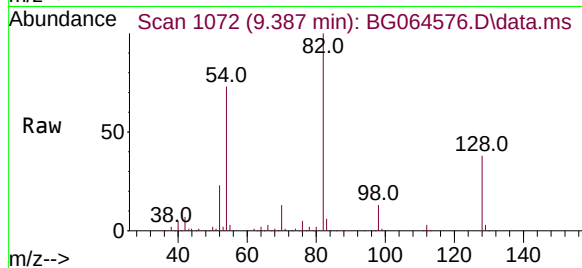
54 72.9 56.6 84.8

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 52.060 ng

RT: 9.428 min Scan# 1079

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

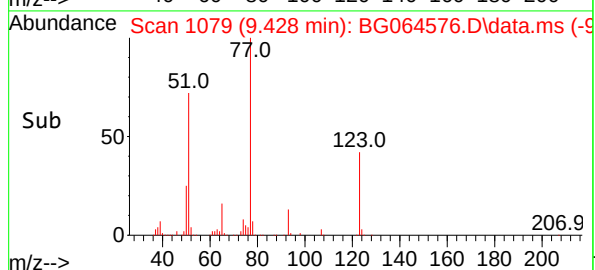
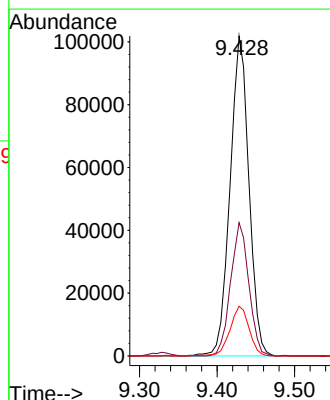
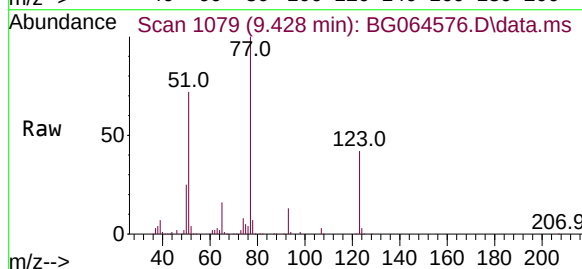
Tgt Ion: 77 Resp: 171837

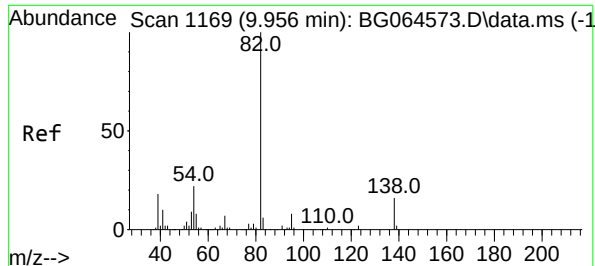
Ion Ratio Lower Upper

77 100

123 41.6 31.0 46.6

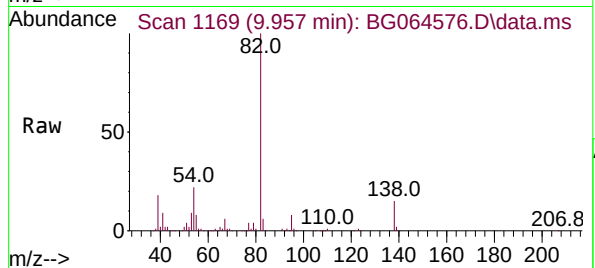
65 15.5 12.7 19.1





#25
Isophorone
Concen: 47.813 ng
RT: 9.957 min Scan# 1169
Delta R.T. -0.009 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

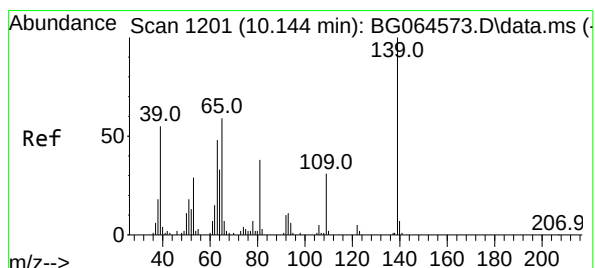
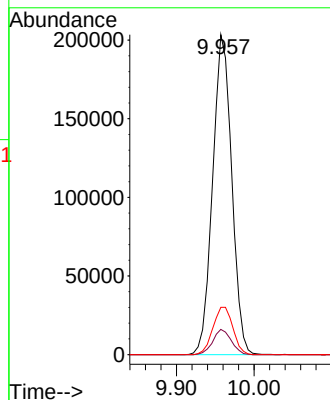
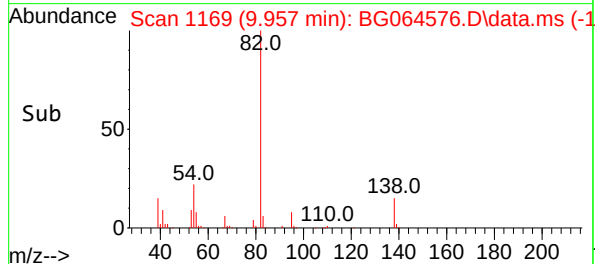
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



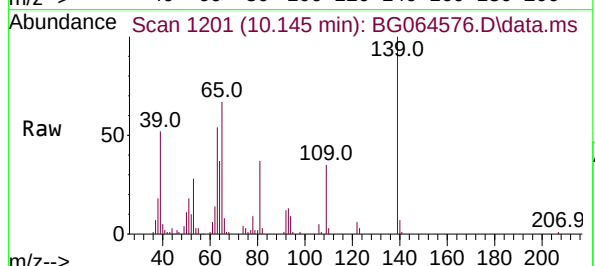
Tgt Ion: 82 Resp: 348174
Ion Ratio Lower Upper
82 100
95 7.9 6.1 9.1
138 14.8 13.0 19.4

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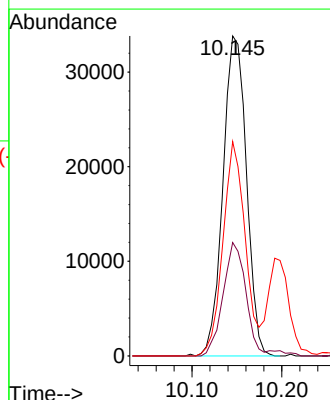
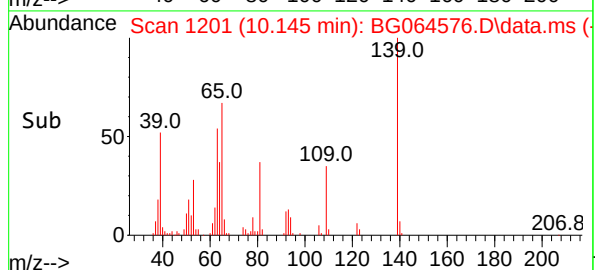
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

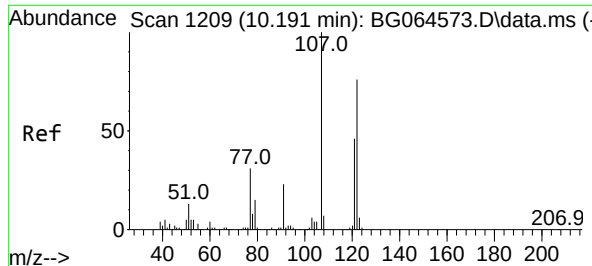


#26
2-Nitrophenol
Concen: 48.353 ng
RT: 10.145 min Scan# 1201
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



Tgt Ion:139 Resp: 61611
Ion Ratio Lower Upper
139 100
109 35.4 24.6 37.0
65 67.0 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 50.979 ng m

RT: 10.198 min Scan# 1209

Delta R.T. 0.003 min

Lab File: BG064576.D

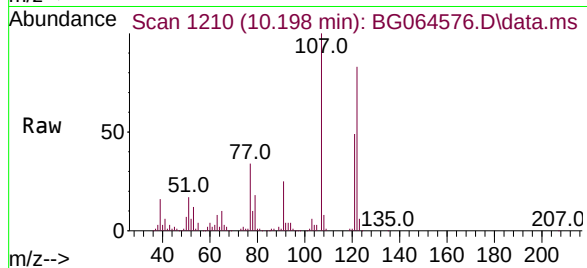
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050



Tgt Ion:122 Resp: 140852

Ion Ratio Lower Upper

122 100

107 121.2 103.0 154.4

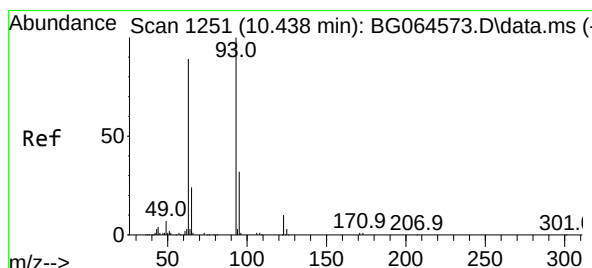
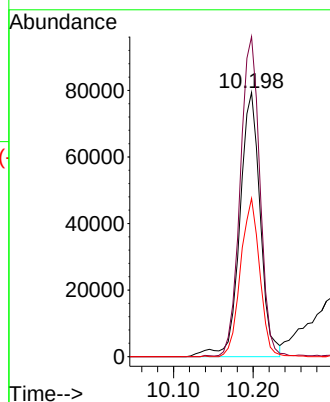
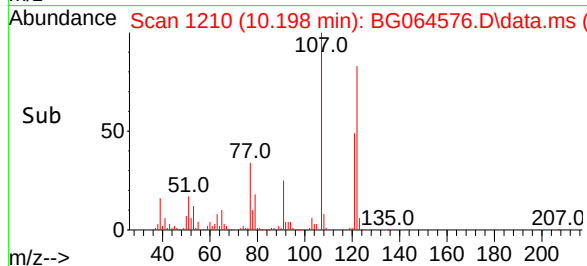
121 59.9 47.8 71.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#28

bis(2-Chloroethoxy)methane

Concen: 46.800 ng

RT: 10.439 min Scan# 1251

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

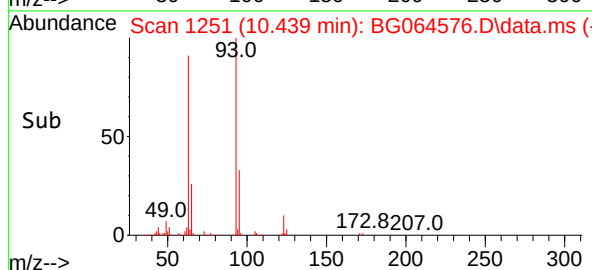
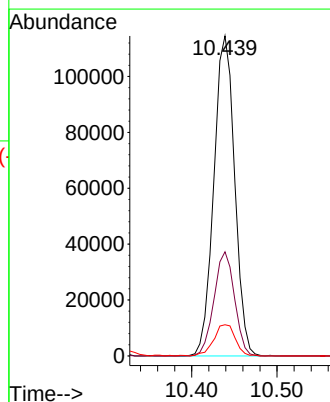
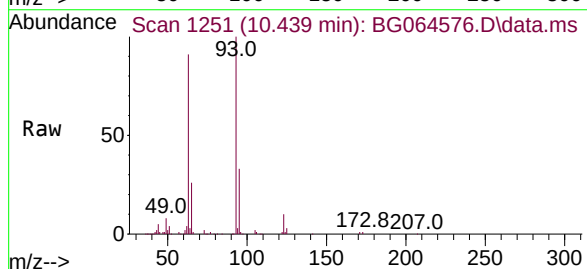
Tgt Ion: 93 Resp: 194038

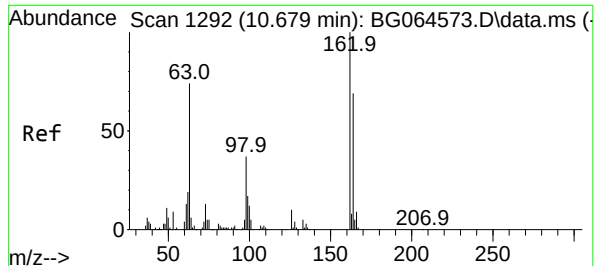
Ion Ratio Lower Upper

93 100

95 32.5 25.4 38.2

123 9.7 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 51.062 ng

RT: 10.680 min Scan# 1292

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 148850

Ion Ratio Lower Upper

162 100

164 63.1 48.7 88.7

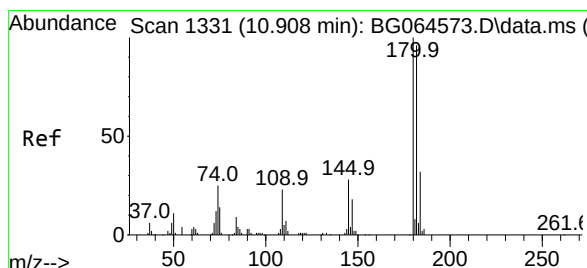
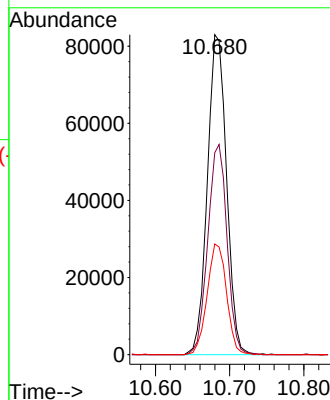
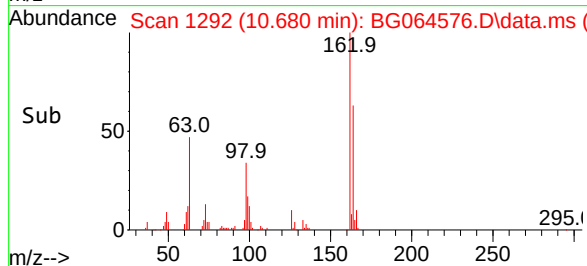
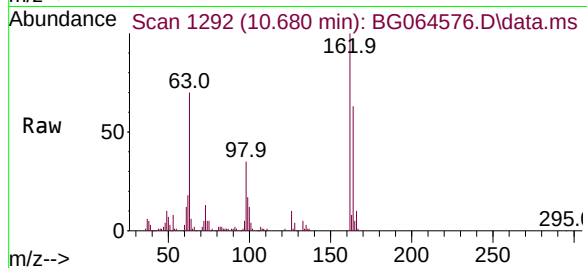
98 34.6 16.9 56.9

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 48.068 ng

RT: 10.909 min Scan# 1331

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

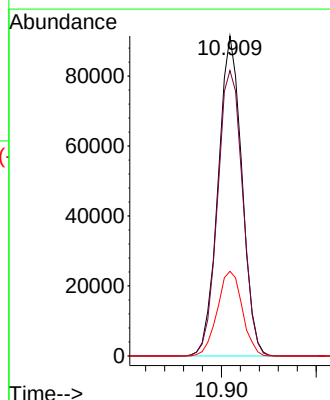
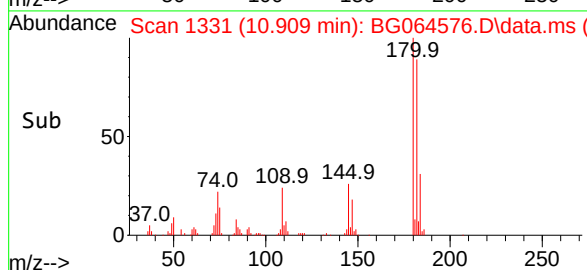
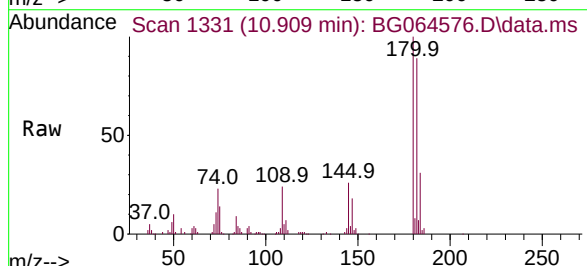
Tgt Ion:180 Resp: 159207

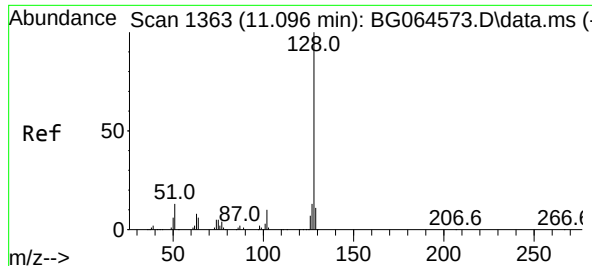
Ion Ratio Lower Upper

180 100

182 89.2 76.9 115.3

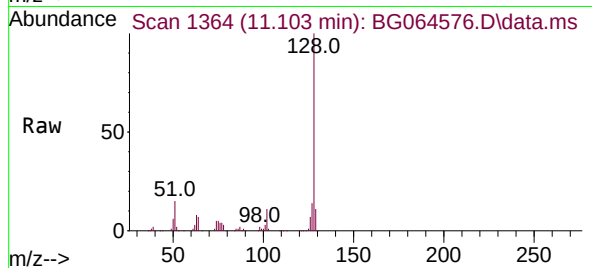
145 26.4 22.1 33.1





#31
Naphthalene
Concen: 46.695 ng
RT: 11.103 min Scan# 1363
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

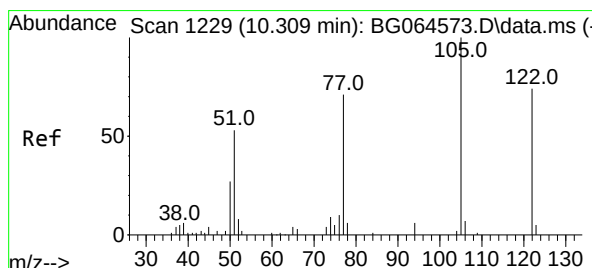
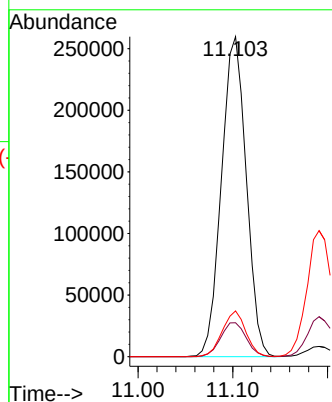
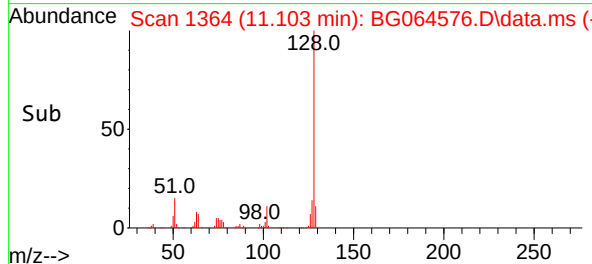
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:128 Resp: 47189
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 14.3 10.6 15.8

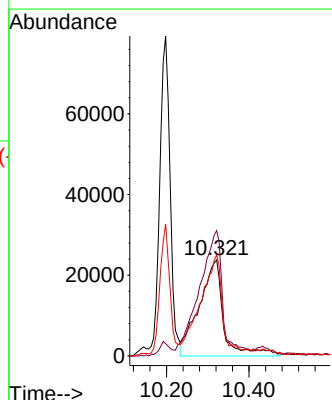
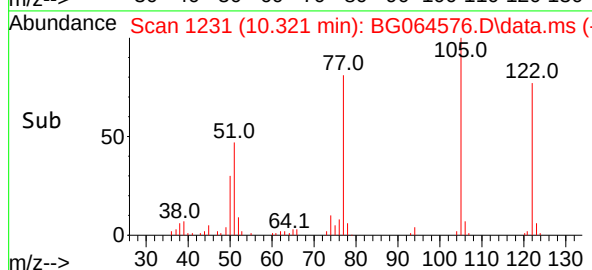
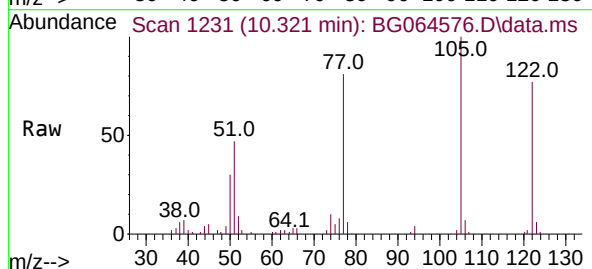
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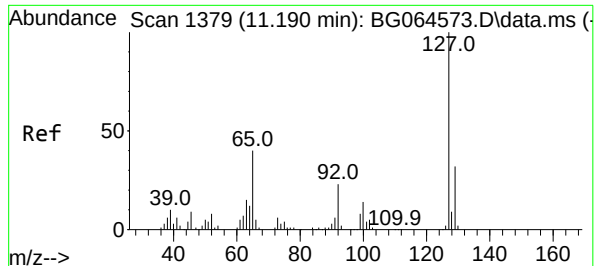
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 48.883 ng m
RT: 10.321 min Scan# 1231
Delta R.T. -0.021 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

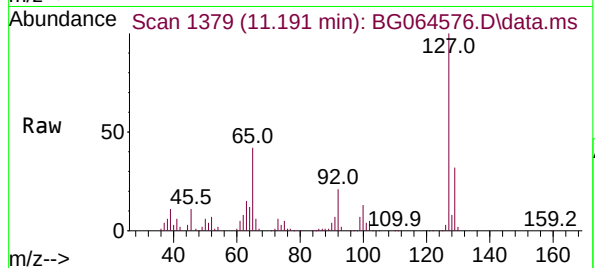
Tgt Ion:122 Resp: 97652
Ion Ratio Lower Upper
122 100
105 130.6 104.2 144.2
77 105.4 70.2 110.2





#33
4-Chloroaniline
Concen: 47.560 ng
RT: 11.191 min Scan# 1379
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

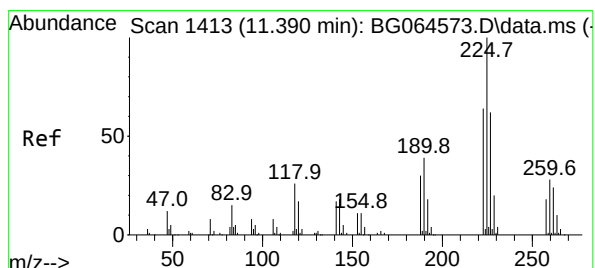
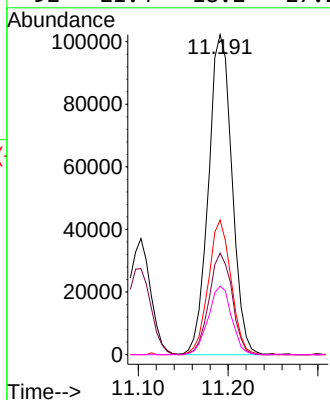
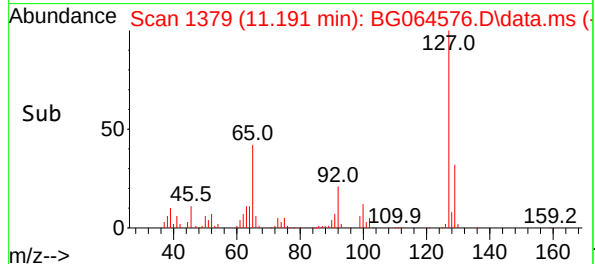
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



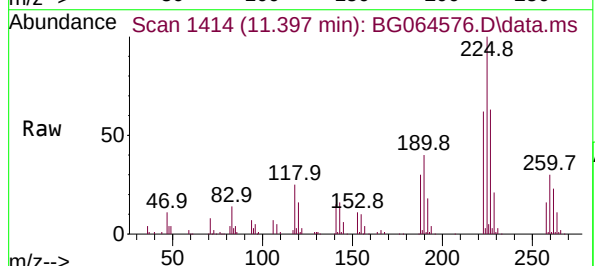
Tgt Ion:127 Resp: 186814
Ion Ratio Lower Upper
127 100
129 31.7 25.5 38.3
65 42.0 32.2 48.4
92 21.4 18.2 27.2

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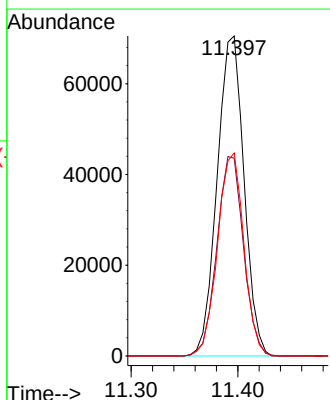
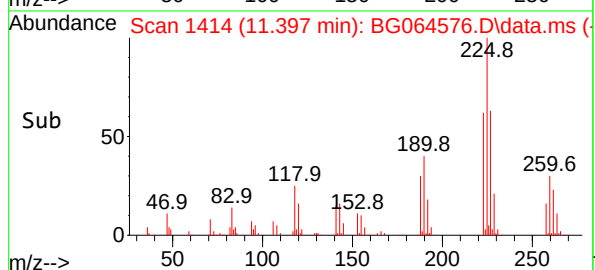
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

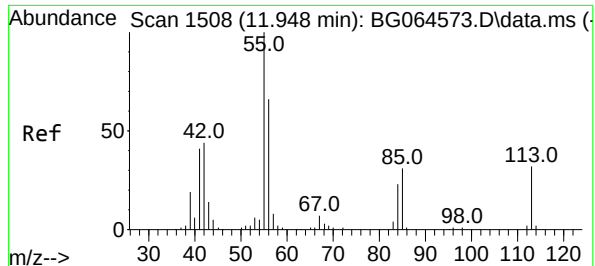


#34
Hexachlorobutadiene
Concen: 47.716 ng
RT: 11.397 min Scan# 1414
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



Tgt Ion:225 Resp: 123596
Ion Ratio Lower Upper
225 100
223 59.0 48.8 73.2
227 63.1 49.5 74.3





#35
Caprolactam
Concen: 48.020 ng
RT: 11.961 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

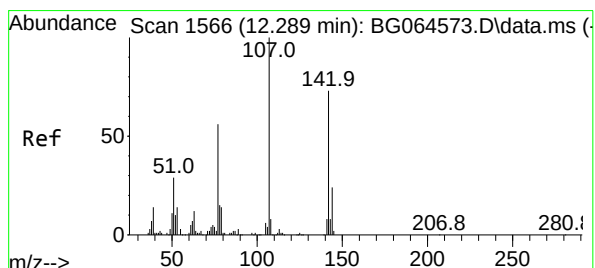
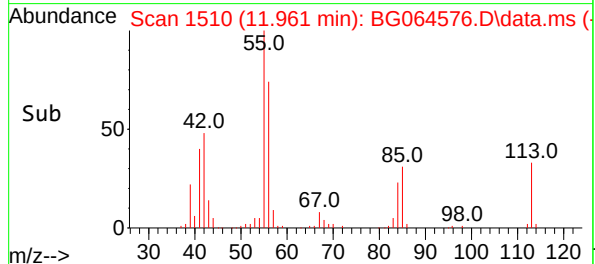
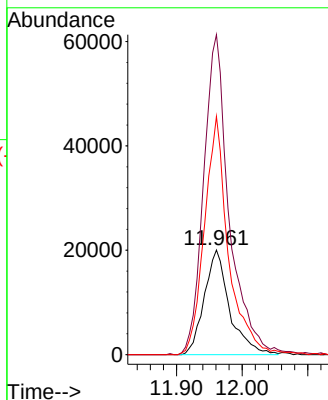
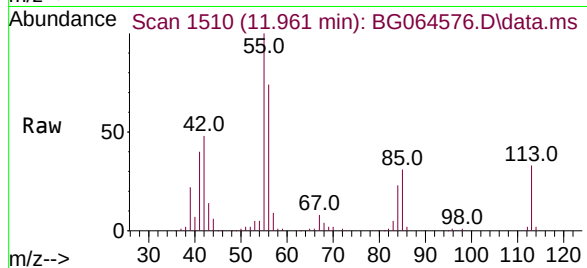
Tgt Ion	Ratio	Lower	Upper
113	100		
55	305.8	290.1	330.1
56	227.6	183.8	223.8

Manual Integrations

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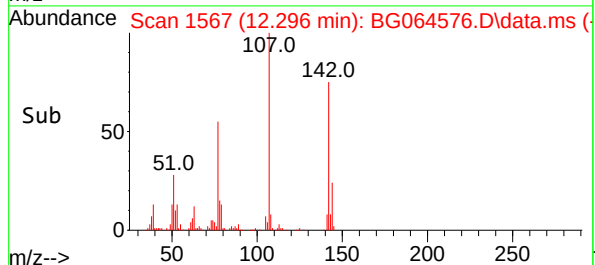
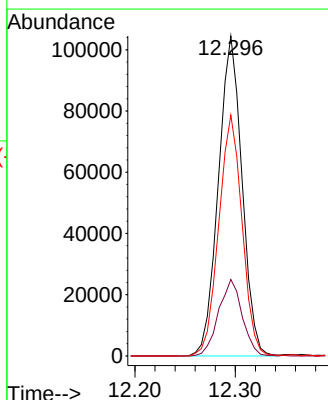
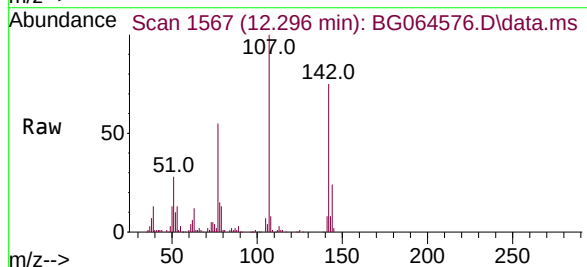
Reviewed By :Rahul Chavli 10/27/2025

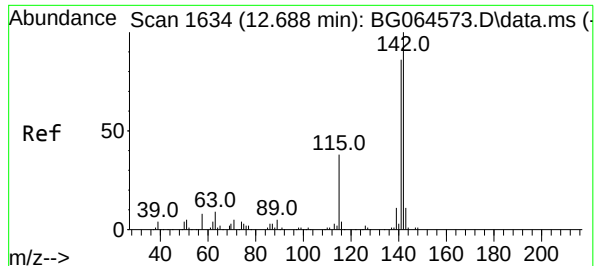
Supervised By :Jagrut Upadhyay 10/27/2025



#36
4-Chloro-3-methylphenol
Concen: 48.836 ng
RT: 12.296 min Scan# 1567
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	75.2	58.6	87.8





#37

2-Methylnaphthalene

Concen: 47.435 ng

RT: 12.695 min Scan# 1635

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

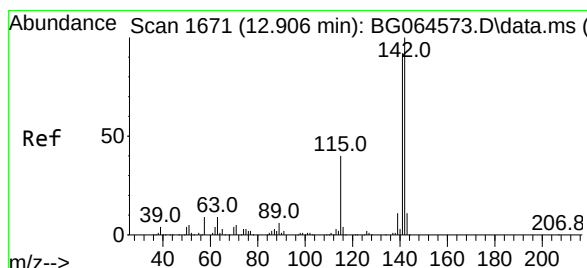
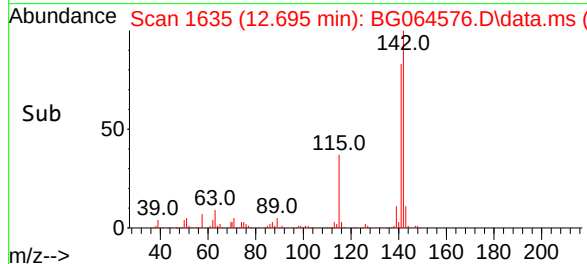
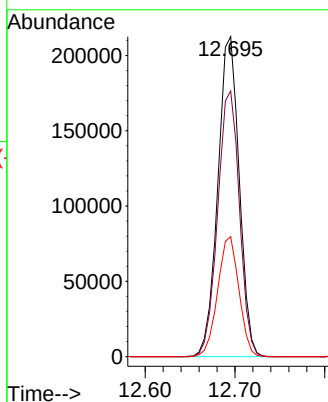
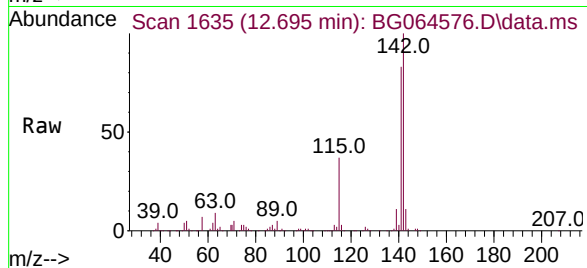
Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.0	68.9	103.3
115	37.5	30.6	46.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#38

1-Methylnaphthalene

Concen: 46.939 ng

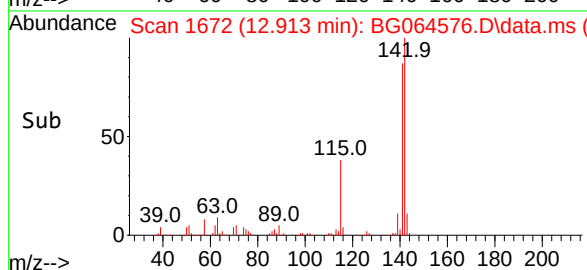
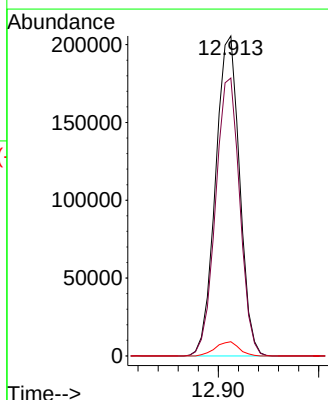
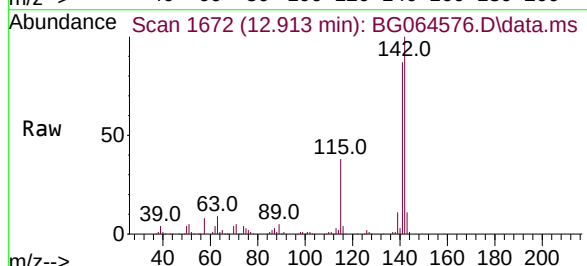
RT: 12.913 min Scan# 1672

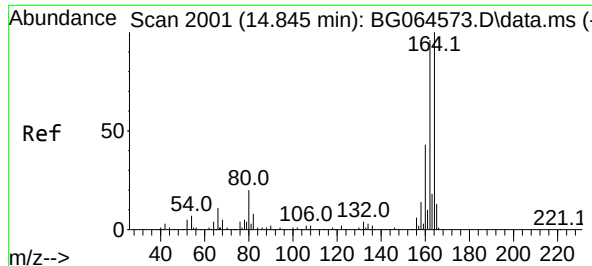
Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.8	73.3	109.9
116	4.4	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.846 min Scan# 2001

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:164 Resp: 142032

Ion Ratio Lower Upper

164 100

162 101.1 77.0 115.6

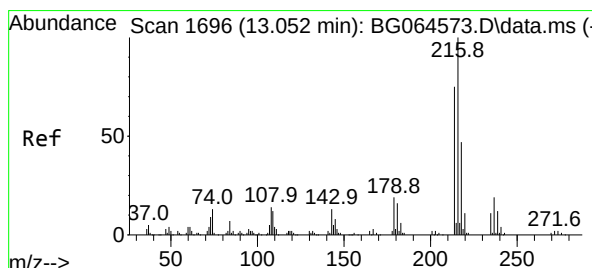
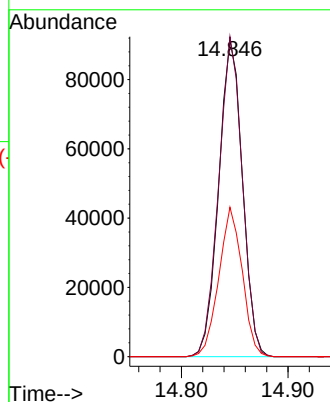
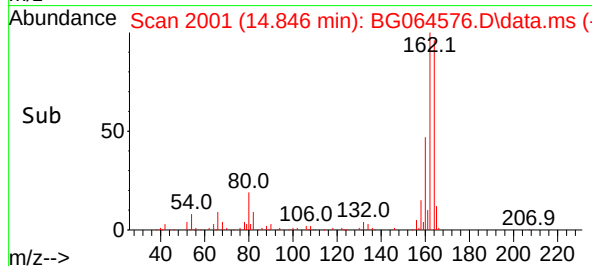
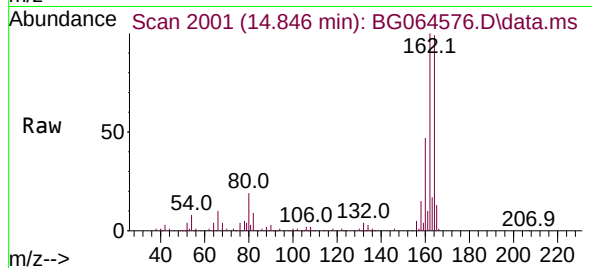
160 47.2 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.131 ng

RT: 13.054 min Scan# 1696

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Tgt Ion:216 Resp: 224658

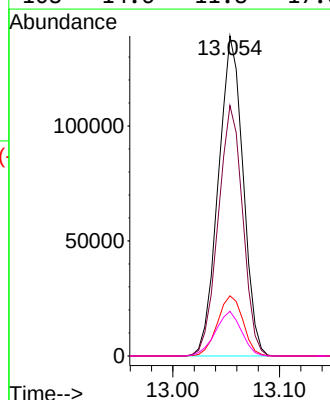
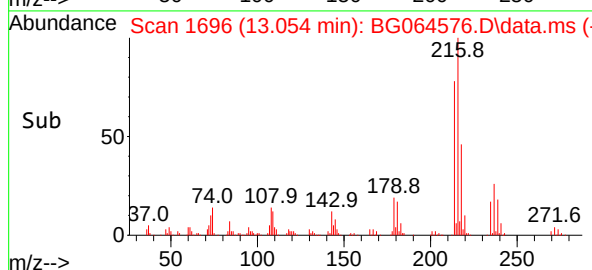
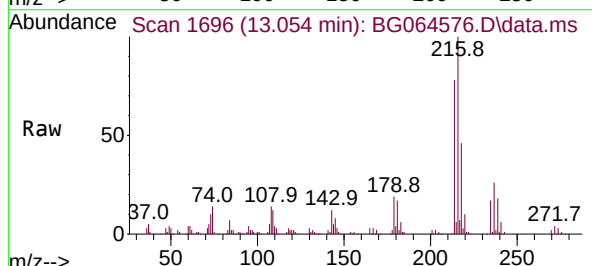
Ion Ratio Lower Upper

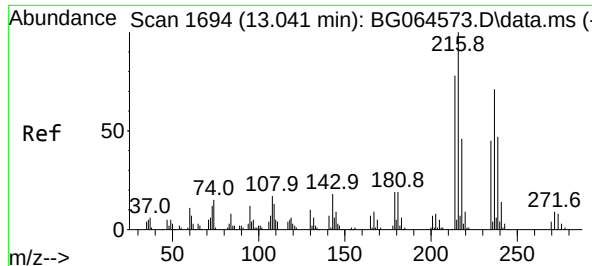
216 100

214 77.5 61.4 92.2

179 19.4 15.4 23.0

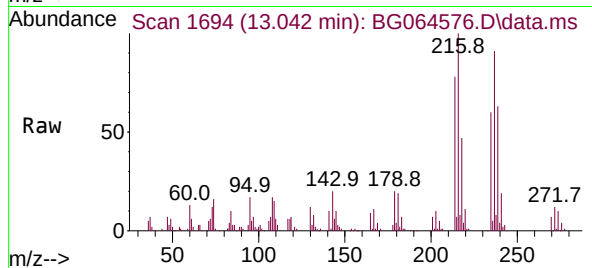
108 14.6 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 49.131 ng
RT: 13.042 min Scan# 10
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

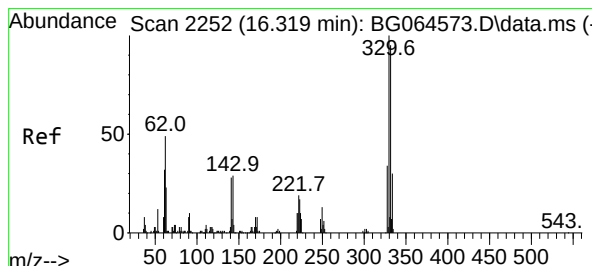
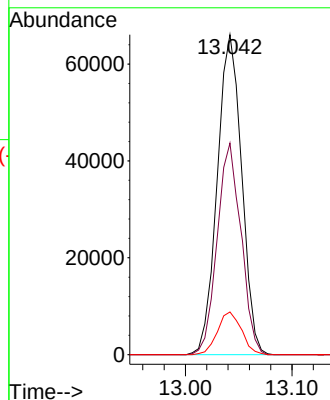
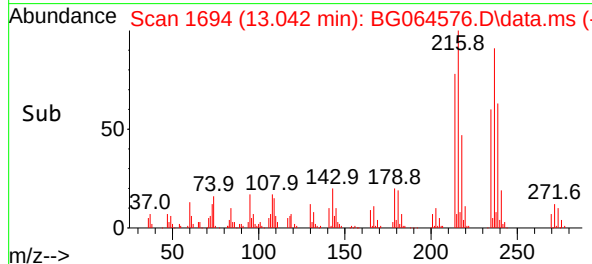
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



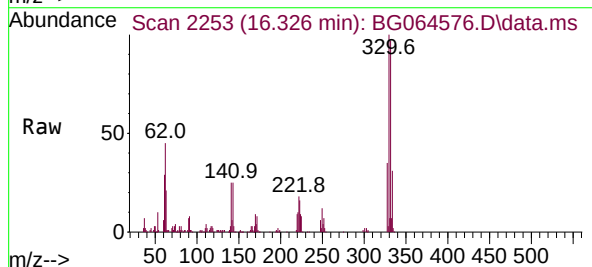
Tgt Ion:237 Resp: 10541
Ion Ratio Lower Upper
237 100
235 66.1 44.1 84.1
272 13.3 0.0 32.4

Manual Integrations
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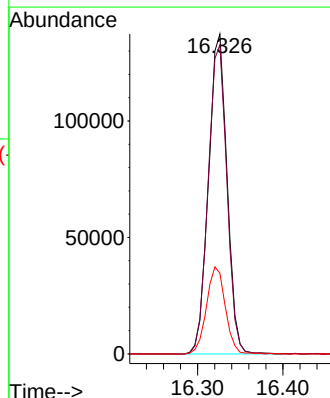
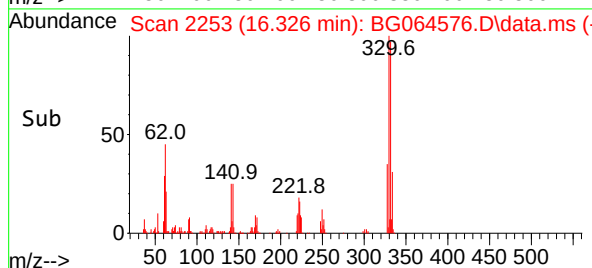
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

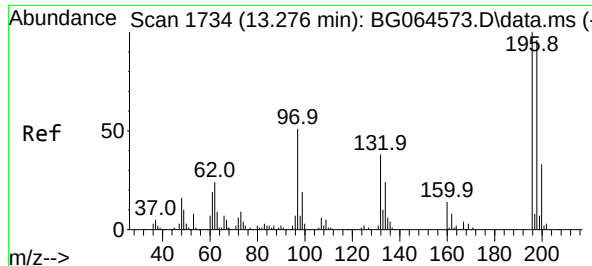


#42
2,4,6-Tribromophenol
Concen: 101.122 ng
RT: 16.326 min Scan# 2253
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



Tgt Ion:330 Resp: 207294
Ion Ratio Lower Upper
330 100
332 97.5 78.0 117.0
141 27.6 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 51.898 ng

RT: 13.283 min Scan# 1735

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:196 Resp: 141505

Ion Ratio Lower Upper

196 100

198 98.3 76.6 115.0

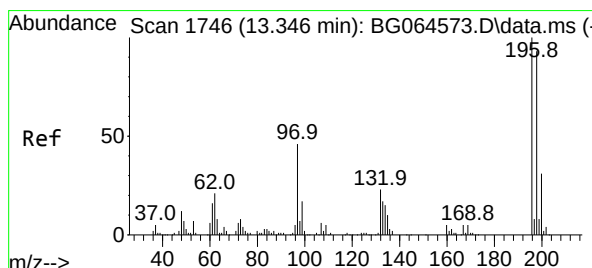
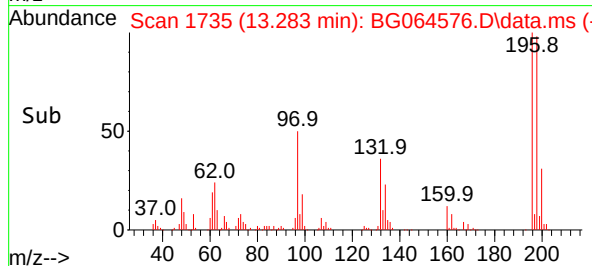
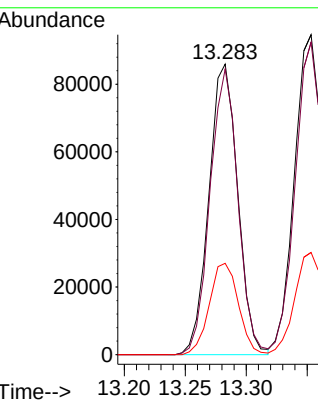
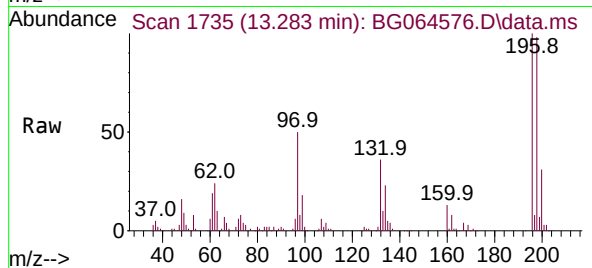
200 31.4 26.0 39.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

Concen: 49.997 ng

RT: 13.353 min Scan# 1747

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Tgt Ion:196 Resp: 157315

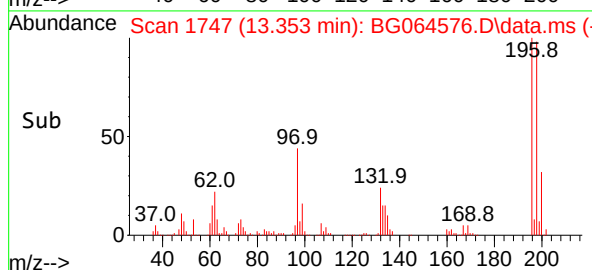
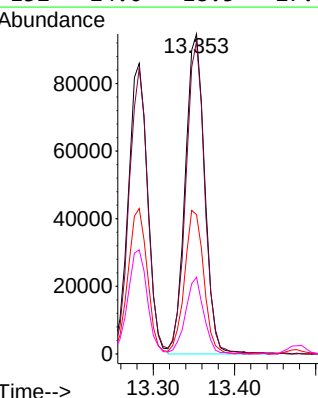
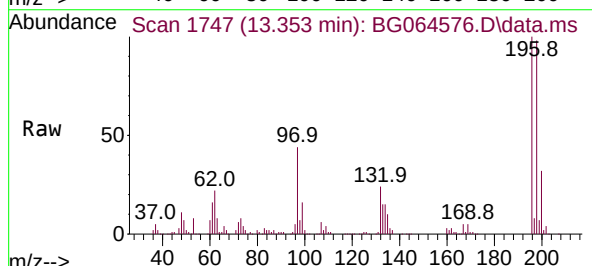
Ion Ratio Lower Upper

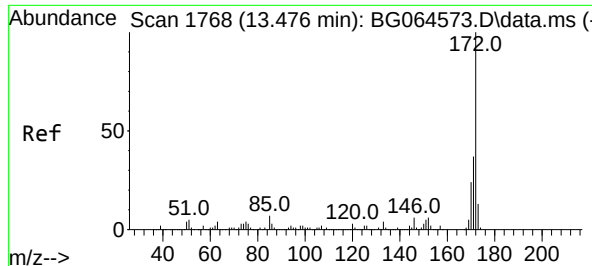
196 100

198 97.6 74.2 111.4

97 43.5 37.0 55.6

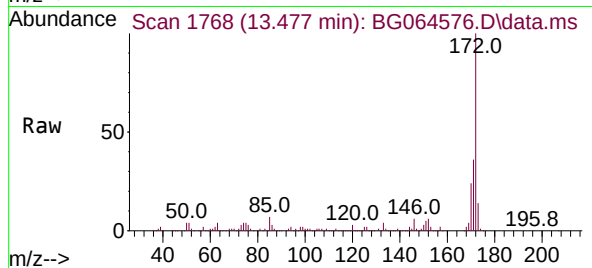
132 24.0 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 93.626 ng
RT: 13.477 min Scan# 1768
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

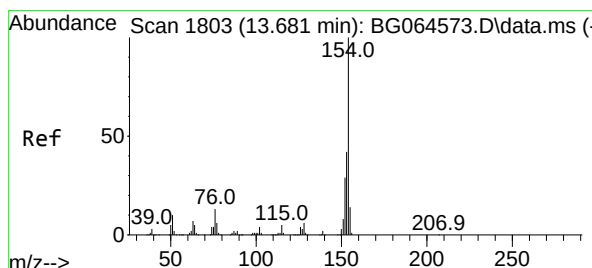
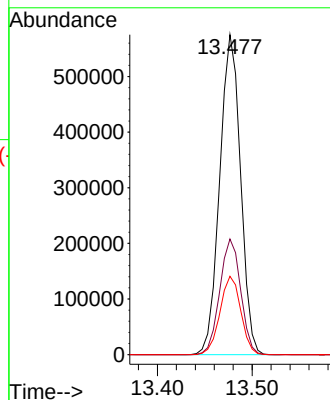
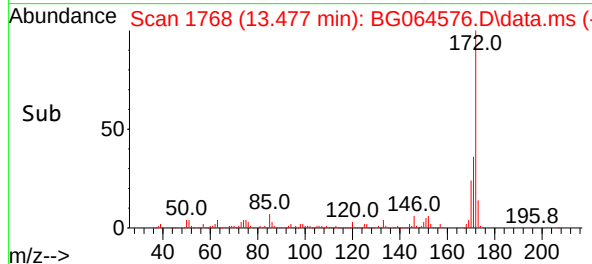
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



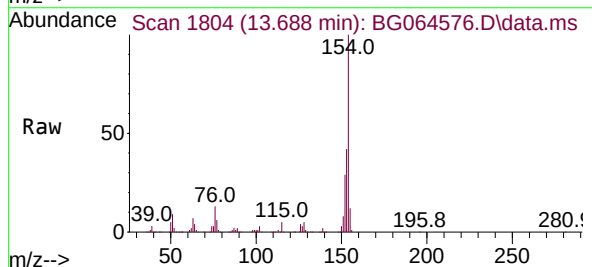
Tgt Ion:172 Resp: 877315
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.5 19.1 28.7

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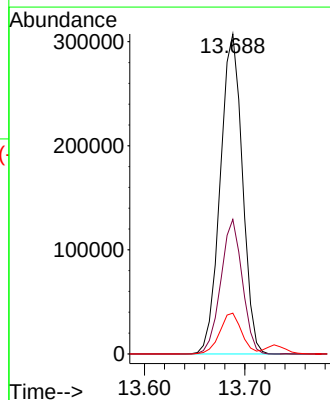
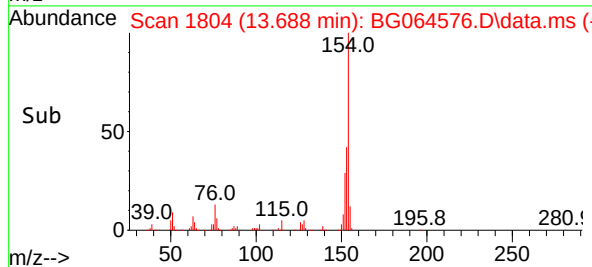
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

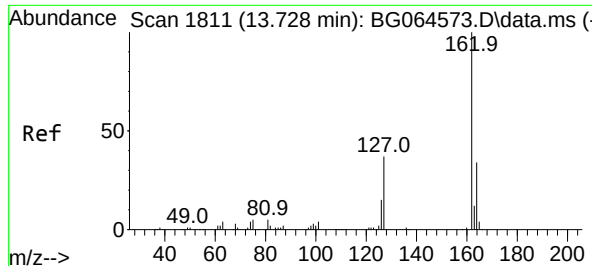


#46
1,1'-Biphenyl
Concen: 46.613 ng
RT: 13.688 min Scan# 1804
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



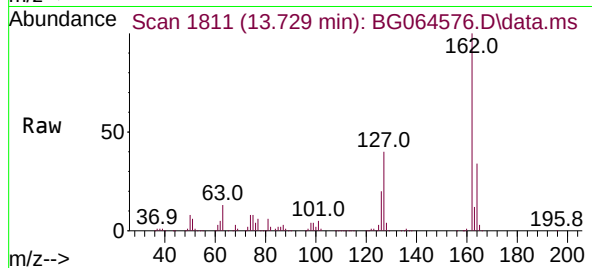
Tgt Ion:154 Resp: 470676
Ion Ratio Lower Upper
154 100
153 42.0 22.4 62.4
76 12.8 0.0 33.5





#47
2-Chloronaphthalene
Concen: 47.208 ng
RT: 13.729 min Scan# 1811
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

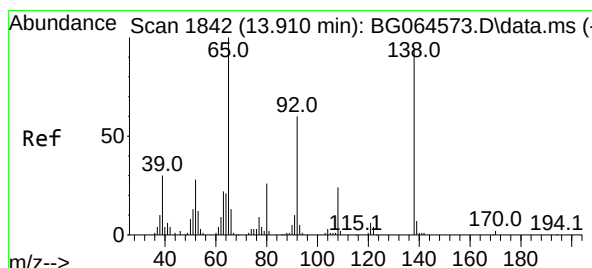
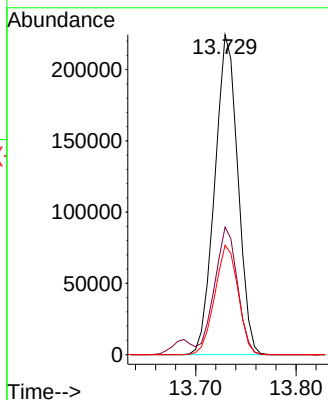
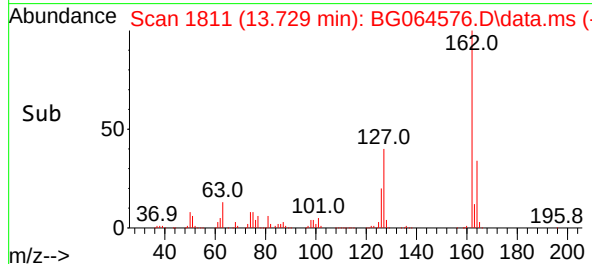
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



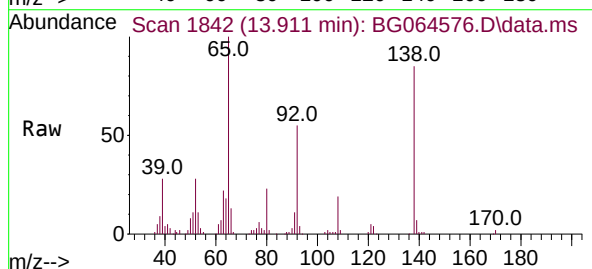
Tgt Ion:162 Resp: 359811
Ion Ratio Lower Upper
162 100
127 39.8 32.2 48.2
164 34.2 27.5 41.3

Manual Integrations
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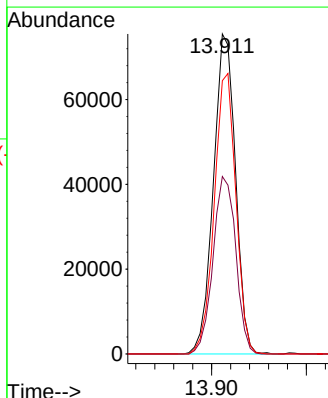
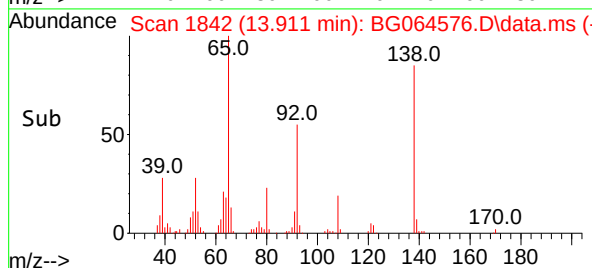
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

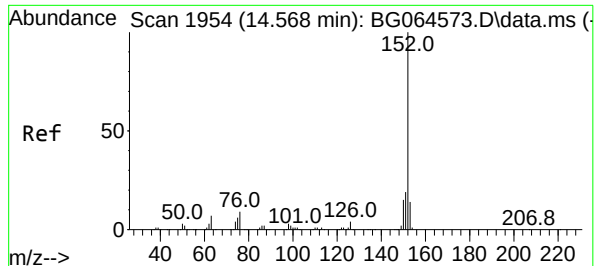


#48
2-Nitroaniline
Concen: 47.668 ng
RT: 13.911 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



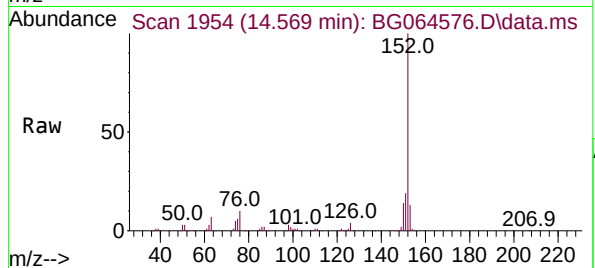
Tgt Ion: 65 Resp: 121908
Ion Ratio Lower Upper
65 100
92 55.4 48.3 72.5
138 85.4 74.9 112.3





#49
Acenaphthylene
Concen: 47.060 ng
RT: 14.569 min Scan# 1954
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

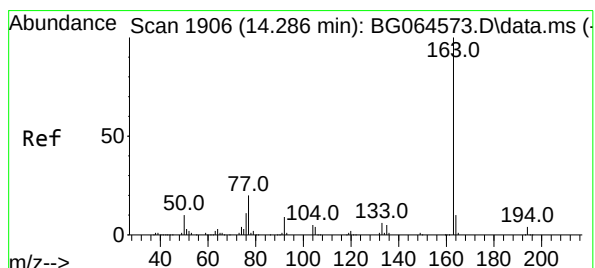
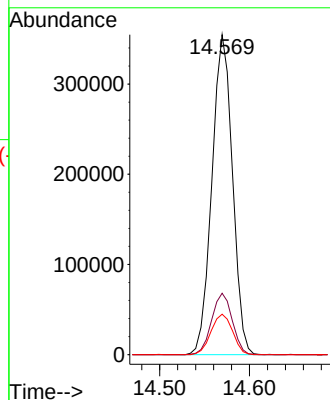
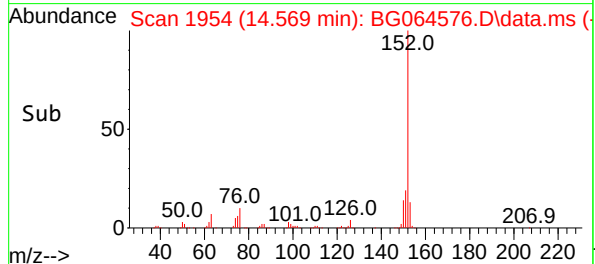
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



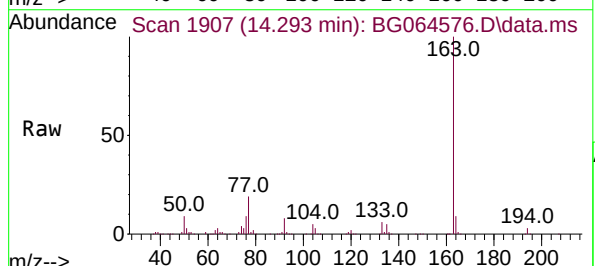
Tgt Ion:152 Resp: 56577
Ion Ratio Lower Upper
152 100
151 19.2 15.4 23.2
153 12.6 11.0 16.4

Manual Integrations
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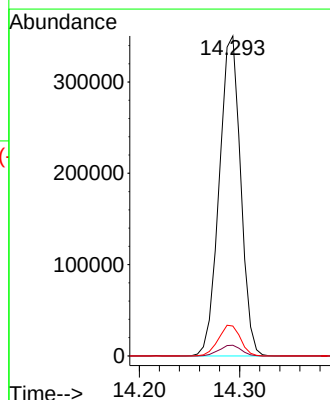
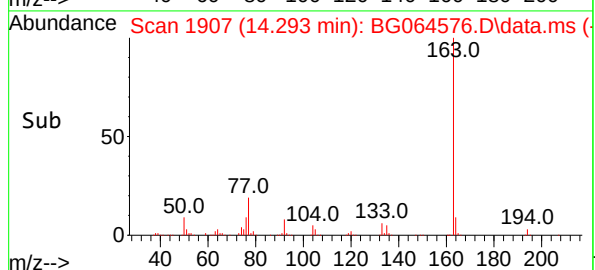
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

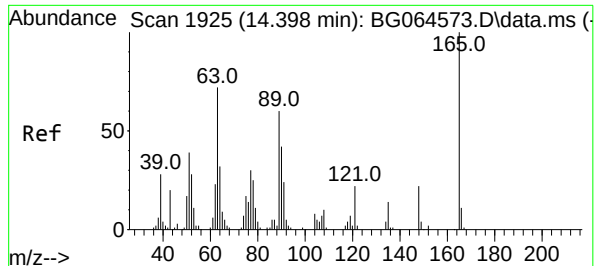


#50
Dimethylphthalate
Concen: 47.781 ng
RT: 14.293 min Scan# 1907
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



Tgt Ion:163 Resp: 519303
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 9.3 7.7 11.5





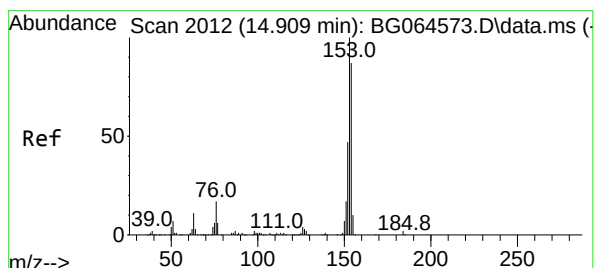
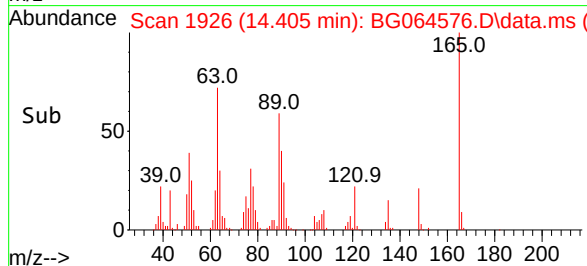
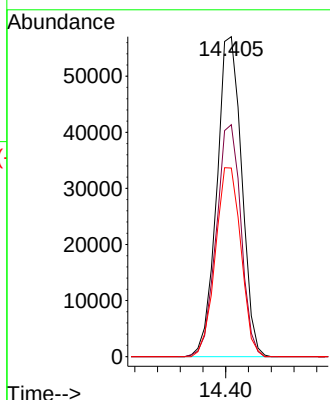
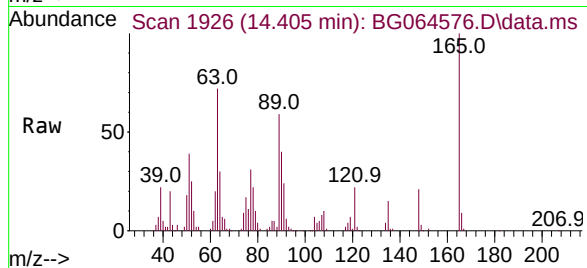
#51
2,6-Dinitrotoluene
Concen: 48.306 ng
RT: 14.405 min Scan# 1925
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 8666
Ion Ratio Lower Upper
165 100
63 72.5 57.4 86.0
89 58.9 47.8 71.8

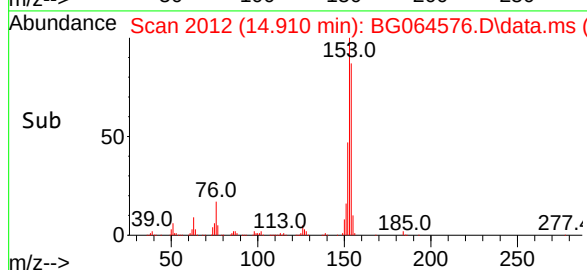
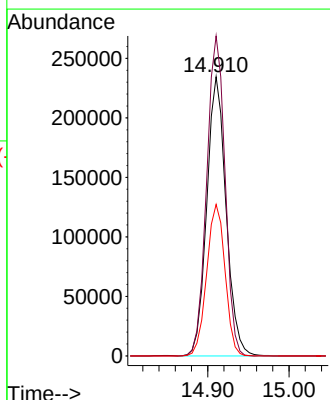
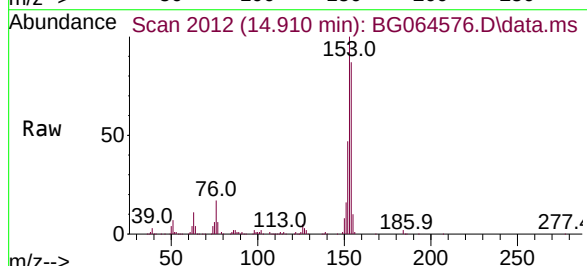
Manual Integrations
APPROVED

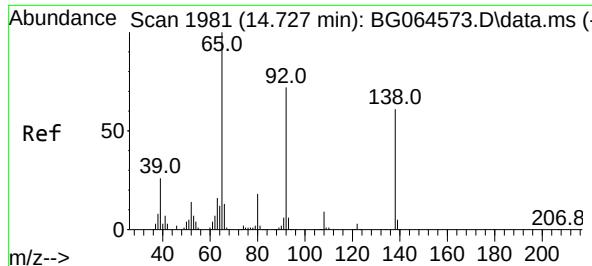
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#52
Acenaphthene
Concen: 47.239 ng
RT: 14.910 min Scan# 2012
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:154 Resp: 388012
Ion Ratio Lower Upper
154 100
153 114.6 92.2 138.4
152 54.3 43.2 64.8





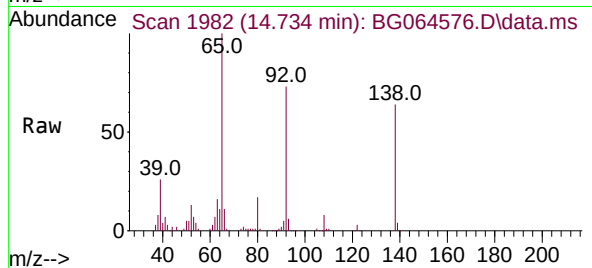
#53
3-Nitroaniline
Concen: 53.405 ng
RT: 14.734 min Scan# 1981
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

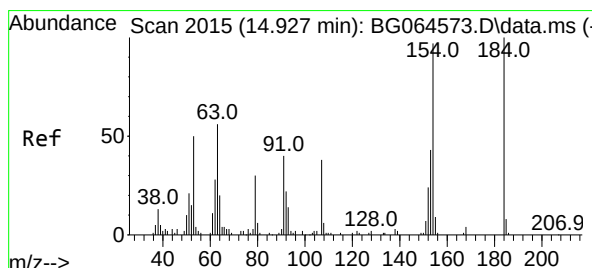
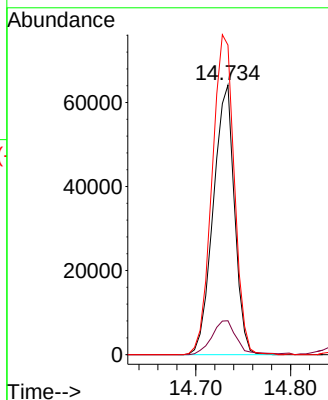
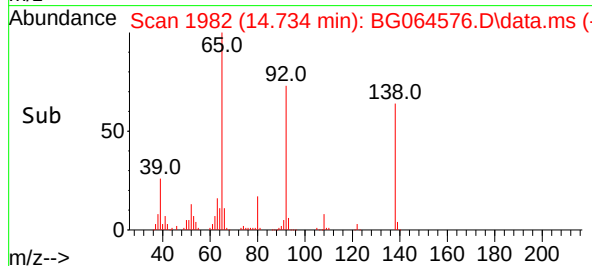
SSTDICC050



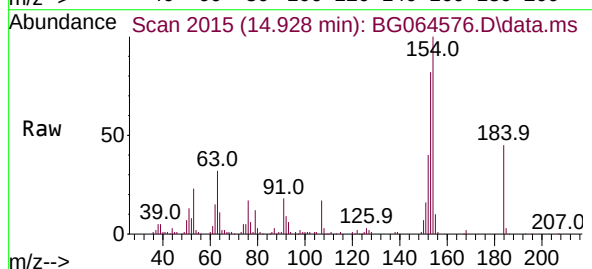
Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.6	11.4	17.0
92	114.8	95.3	142.9

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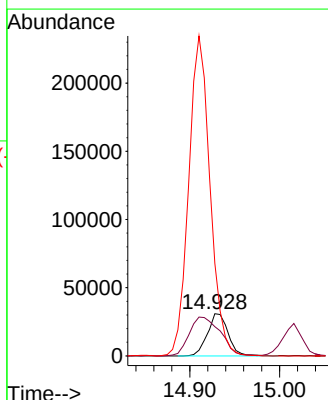
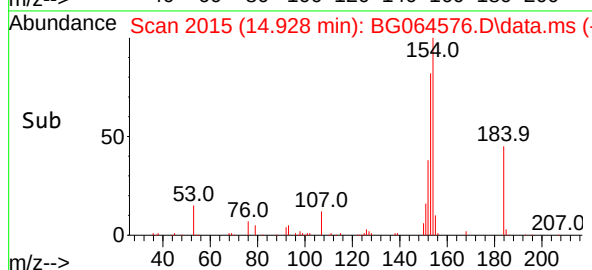
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

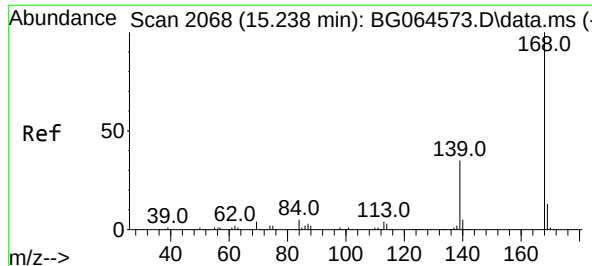


#54
2,4-Dinitrophenol
Concen: 47.268 ng
RT: 14.928 min Scan# 2015
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



Tgt Ion	Ratio	Lower	Upper
184	100		
63	69.5	56.6	85.0
154	219.8	158.6	238.0





#55

Dibenzenofuran

Concen: 46.355 ng

RT: 15.239 min Scan# 2068

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:168 Resp: 61555

Ion Ratio Lower Upper

168 100

139 35.5 27.8 41.8

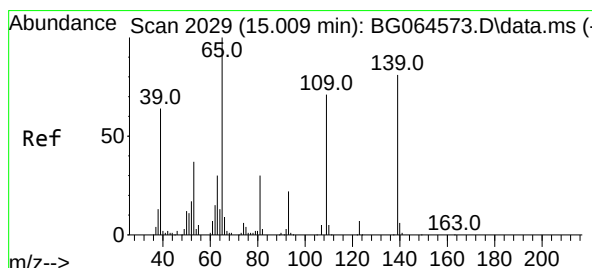
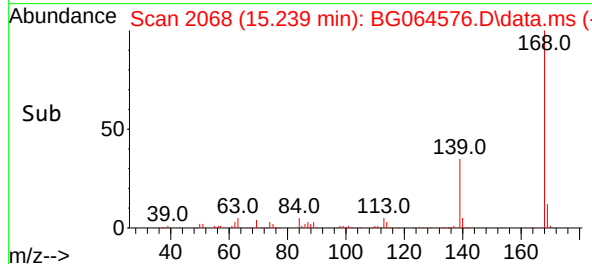
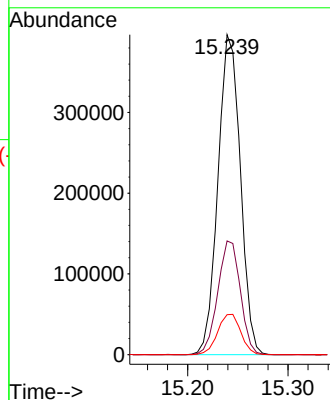
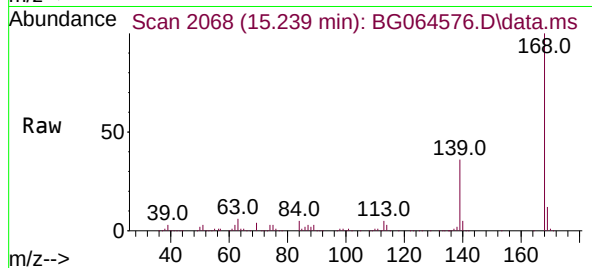
169 12.5 10.3 15.5

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#56

4-Nitrophenol

Concen: 51.169 ng

RT: 15.016 min Scan# 2030

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

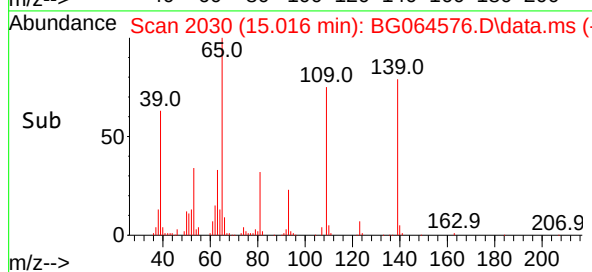
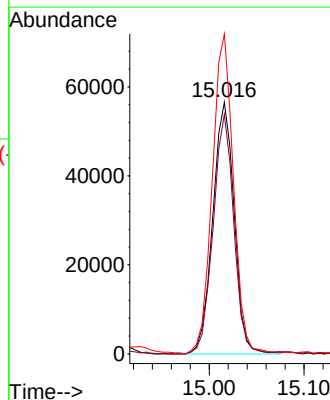
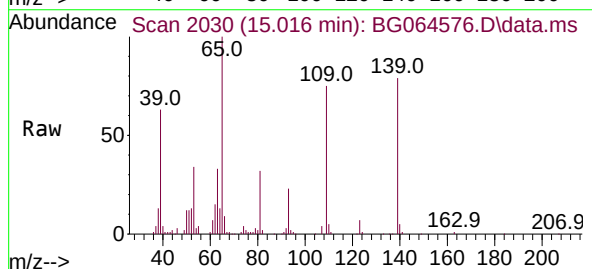
Tgt Ion:139 Resp: 88609

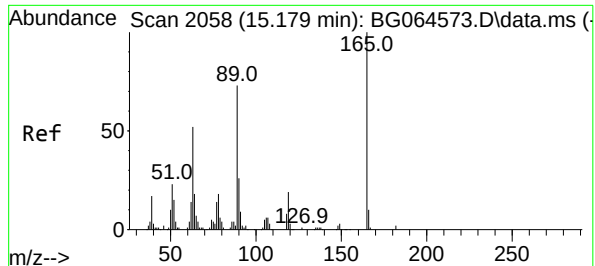
Ion Ratio Lower Upper

139 100

109 95.2 67.8 107.8

65 127.2 103.7 143.7





#57

2,4-Dinitrotoluene

Concen: 47.759 ng

RT: 15.186 min Scan# 2058

Delta R.T. -0.003 min

Lab File: BG064576.D

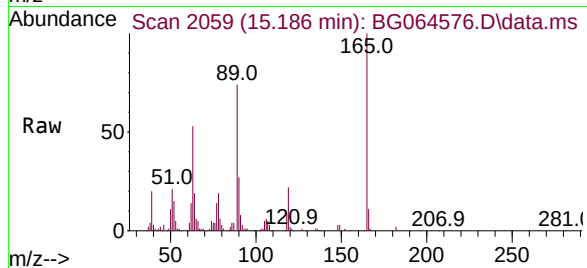
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050



Tgt Ion:165 Resp: 132374

Ion Ratio Lower Upper

165 100

63 52.8 41.8 62.8

89 73.6 58.1 87.1

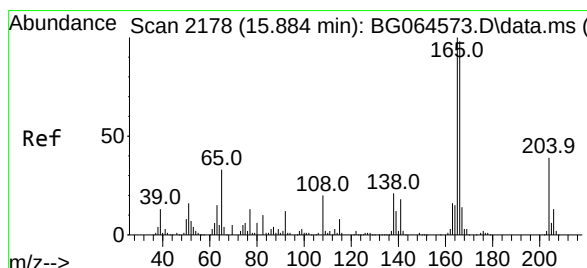
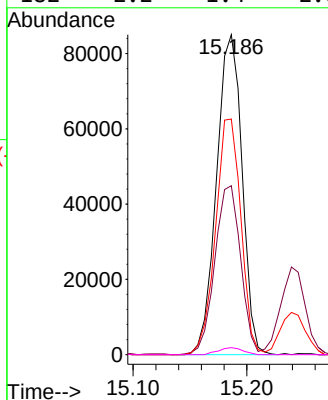
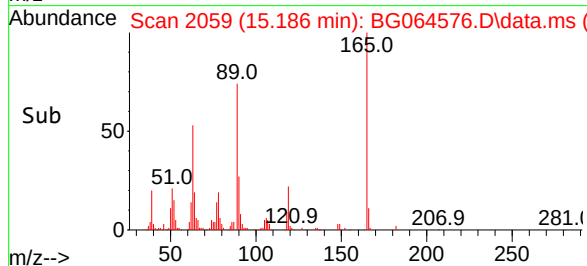
182 2.2 1.4 2.0#

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#58

Fluorene

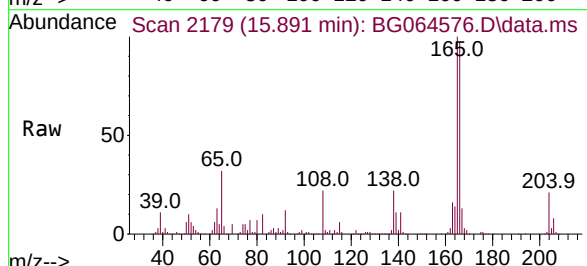
Concen: 46.441 ng

RT: 15.891 min Scan# 2179

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32



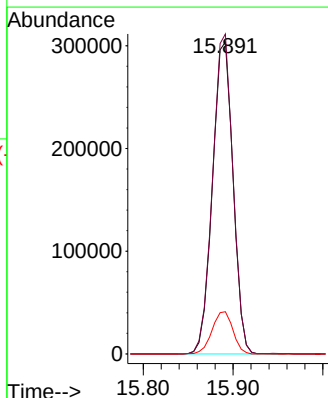
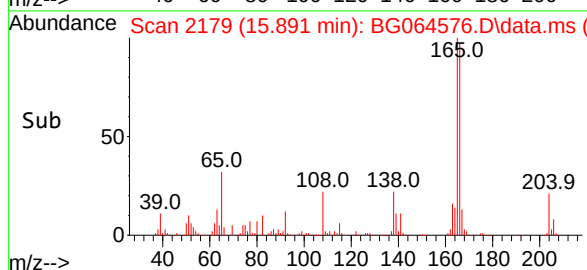
Tgt Ion:166 Resp: 481625

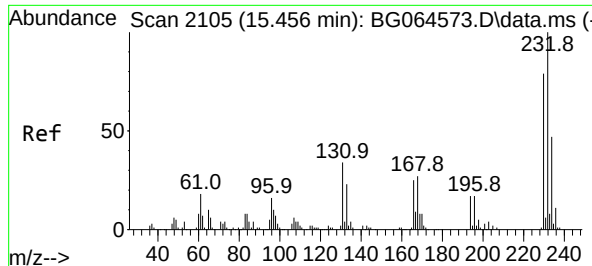
Ion Ratio Lower Upper

166 100

165 102.6 81.5 122.3

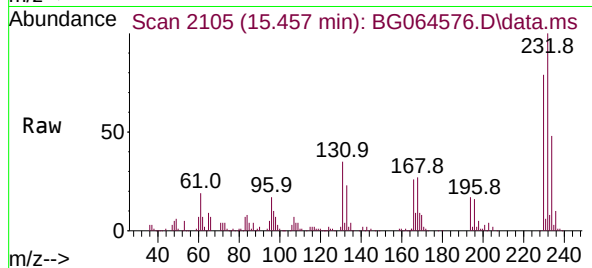
167 13.5 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.440 ng
RT: 15.457 min Scan# 2105
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

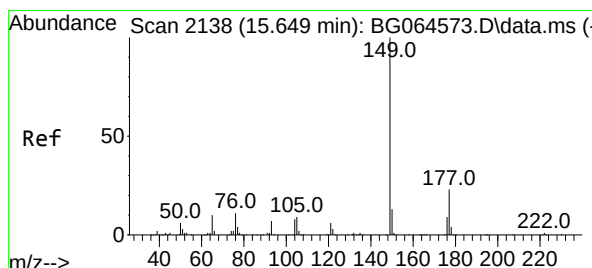
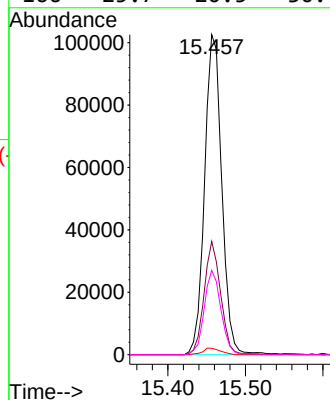
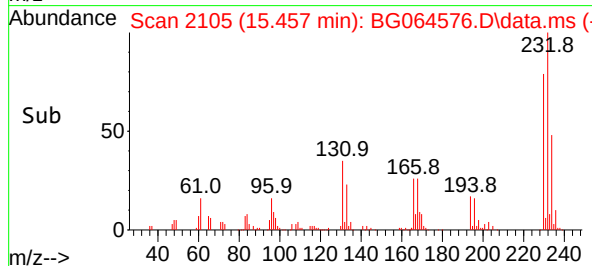
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



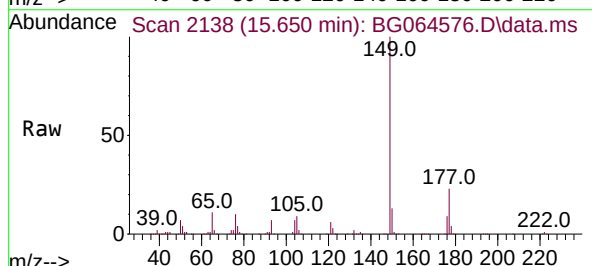
Tgt Ion:232 Resp: 157783
Ion Ratio Lower Upper
232 100
131 33.9 26.7 40.1
130 2.1 1.6 2.4
166 25.7 20.5 30.7

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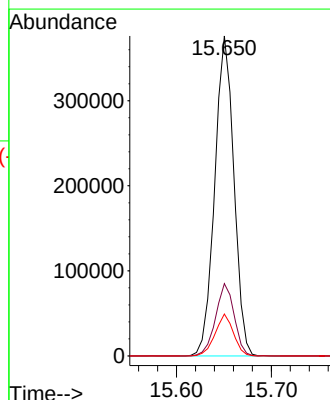
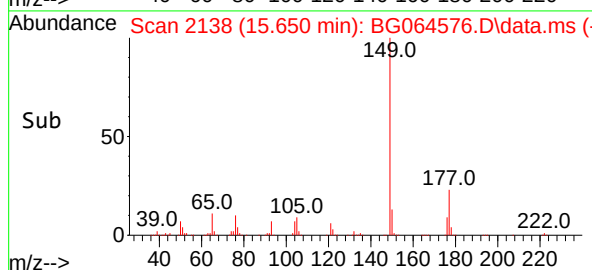
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

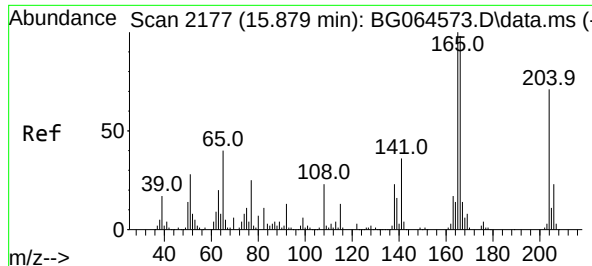


#60
Diethylphthalate
Concen: 47.543 ng
RT: 15.650 min Scan# 2138
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



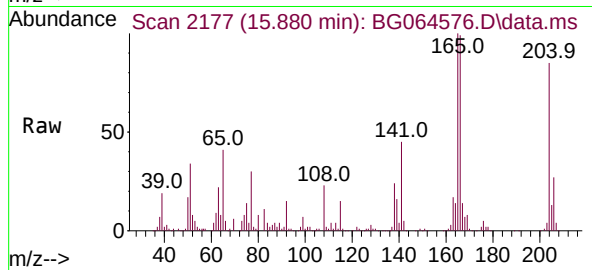
Tgt Ion:149 Resp: 527594
Ion Ratio Lower Upper
149 100
177 22.6 18.0 27.0
150 13.1 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 46.576 ng
RT: 15.880 min Scan# 2177
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

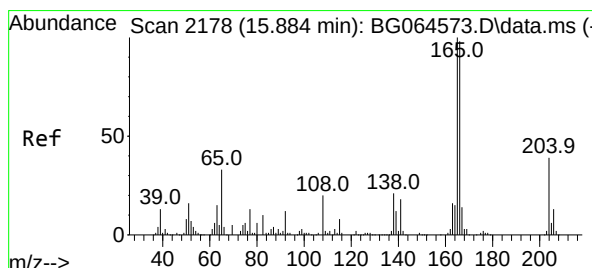
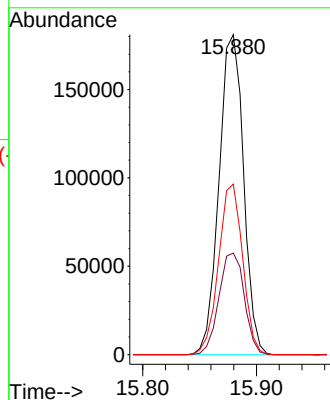
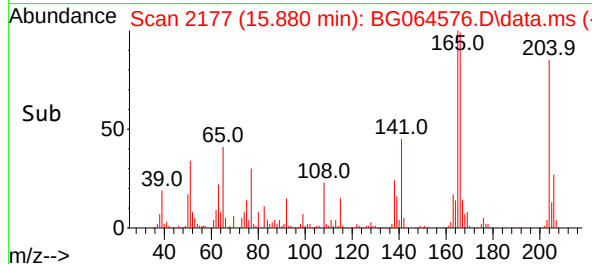
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:204 Resp: 271068
Ion Ratio Lower Upper
204 100
206 31.7 25.6 38.4
141 53.3 40.6 60.8

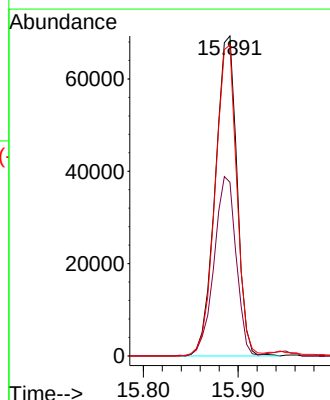
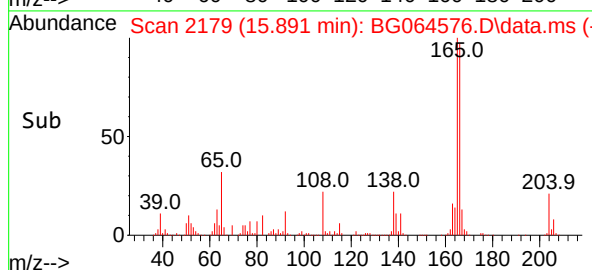
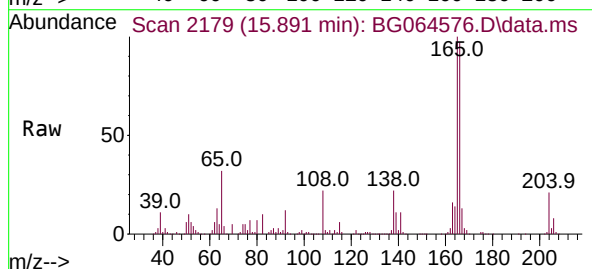
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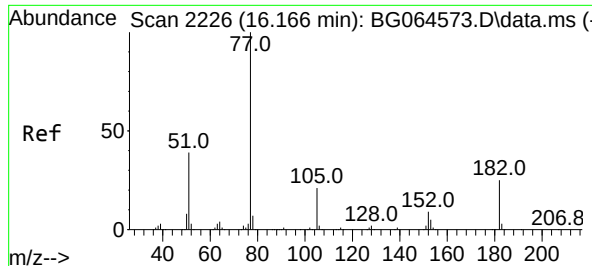
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#62
4-Nitroaniline
Concen: 52.970 ng
RT: 15.891 min Scan# 2179
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

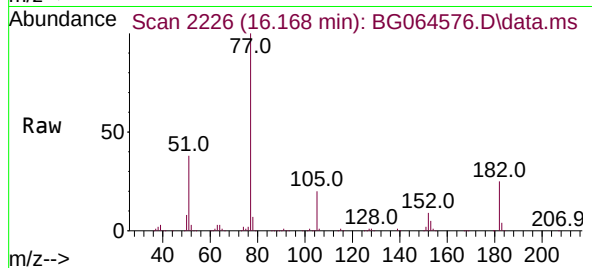
Tgt Ion:138 Resp: 110067
Ion Ratio Lower Upper
138 100
92 54.3 36.1 76.1
108 97.2 75.6 115.6





#63
Azobenzene
Concen: 46.671 ng
RT: 16.168 min Scan# 2226
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

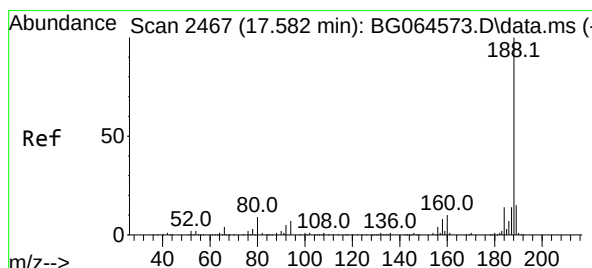
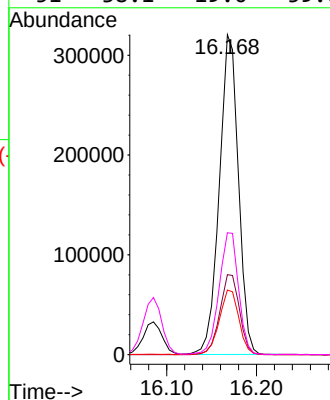
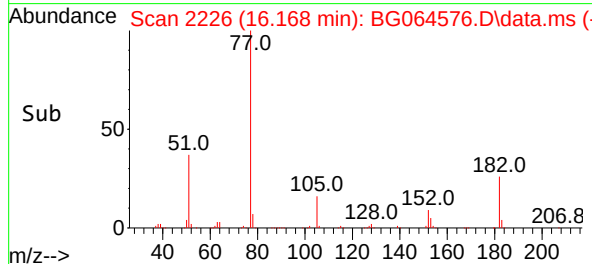
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 475203
Ion Ratio Lower Upper
77 100
182 25.0 4.9 44.9
105 20.2 1.3 41.3
51 38.1 19.0 59.0

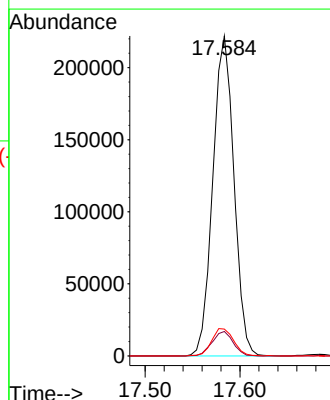
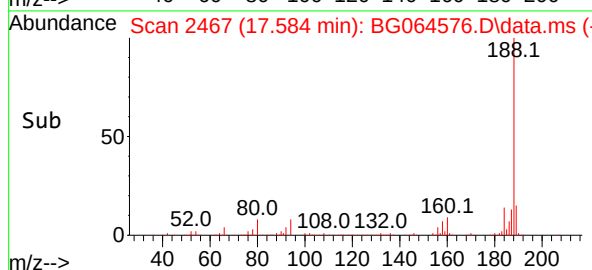
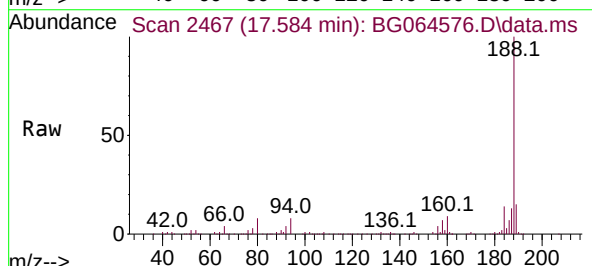
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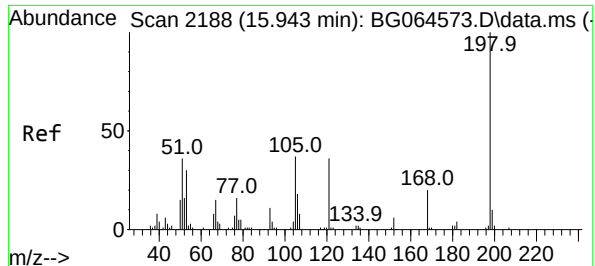
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.584 min Scan# 2467
Delta R.T. 0.004 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:188 Resp: 343365
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 8.4 6.8 10.2





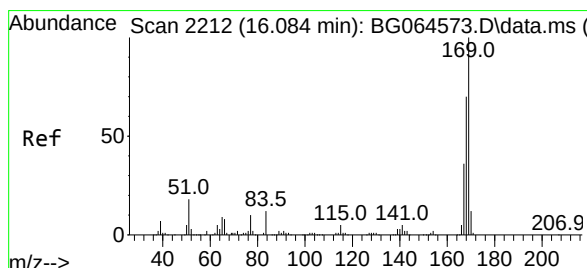
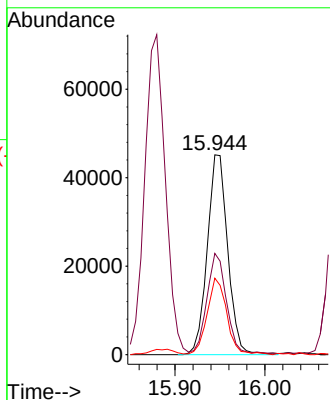
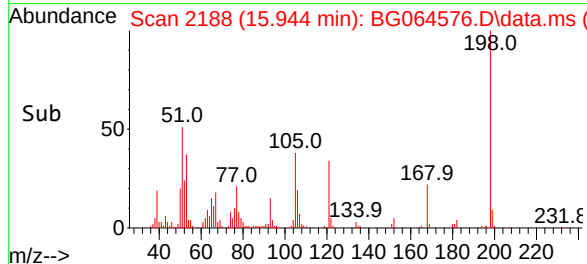
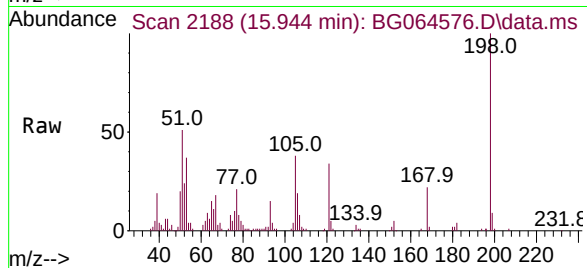
#65
4,6-Dinitro-2-methylphenol
Concen: 47.500 ng
RT: 15.944 min Scan# 2188
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :
BNA_G
ClientSampleId :
SSTDIC050

Tgt Ion:198 Resp: 71672
Ion Ratio Lower Upper
198 100
51 50.7 24.7 64.7
105 38.3 18.0 58.0

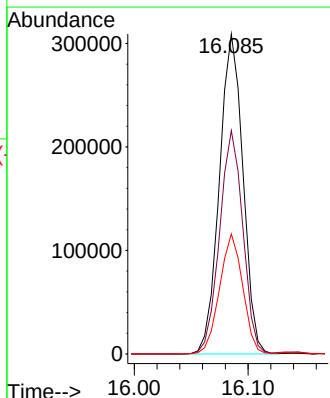
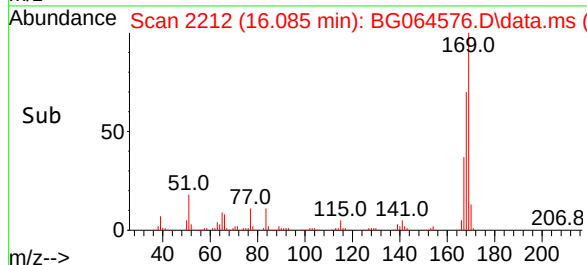
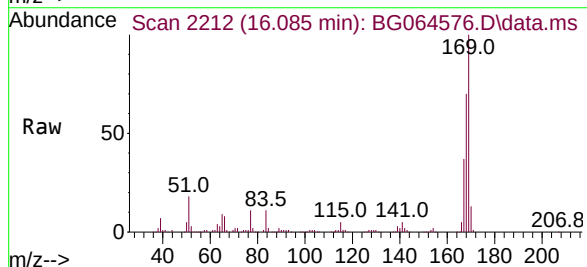
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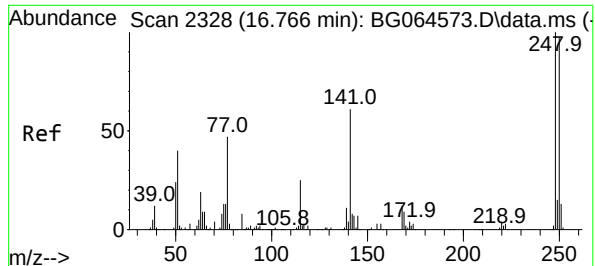
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#66
n-Nitrosodiphenylamine
Concen: 47.959 ng
RT: 16.085 min Scan# 2212
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:169 Resp: 444824
Ion Ratio Lower Upper
169 100
168 69.8 56.3 84.5
167 37.5 29.0 43.6





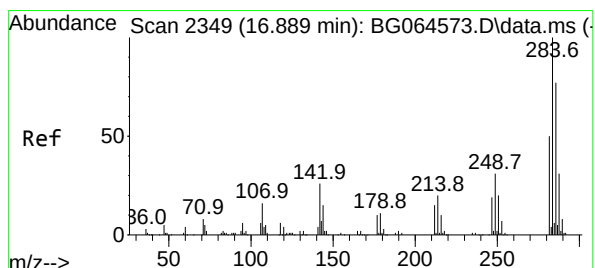
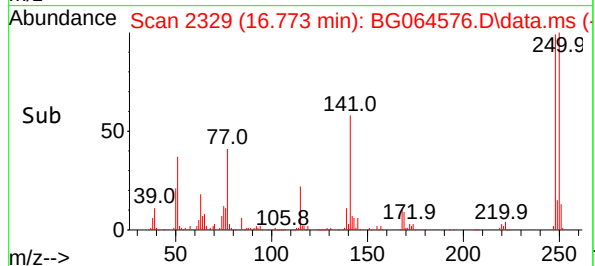
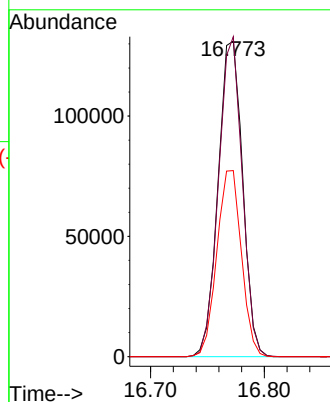
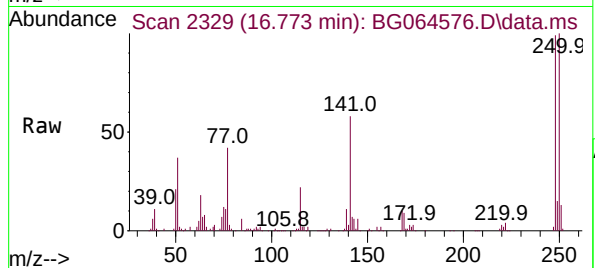
#67
4-Bromophenyl-phenylether
Concen: 48.225 ng
RT: 16.773 min Scan# 2328
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 196226
Ion Ratio Lower Upper
248 100
250 101.5 77.7 116.5
141 59.0 48.6 72.8

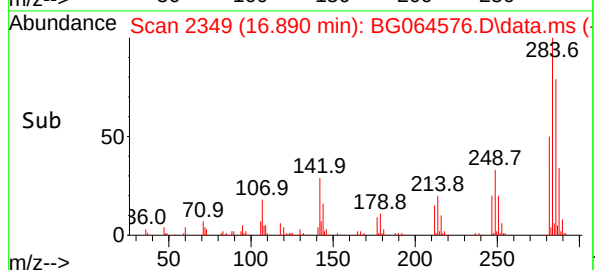
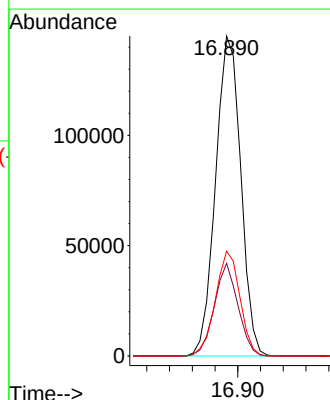
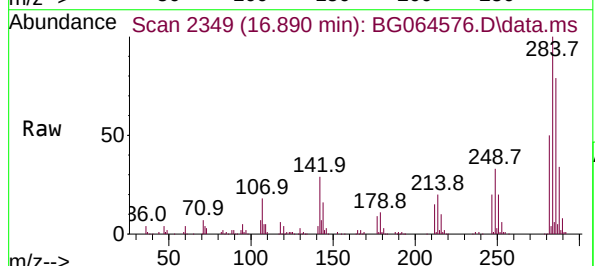
Manual Integrations
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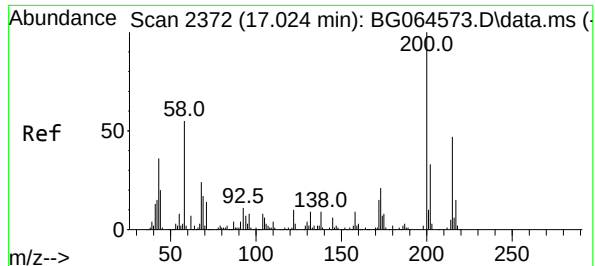
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#68
Hexachlorobenzene
Concen: 48.043 ng
RT: 16.890 min Scan# 2349
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:284 Resp: 223018
Ion Ratio Lower Upper
284 100
142 28.9 21.0 31.6
249 35.3 24.9 37.3





#69

Atrazine

Concen: 47.066 ng

RT: 17.025 min Scan# 2372

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:200 Resp: 187862

Ion Ratio Lower Upper

200 100

173 22.9 0.9 40.9

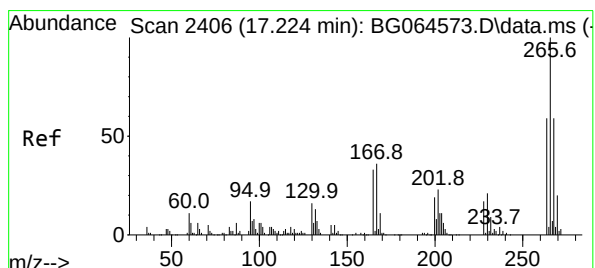
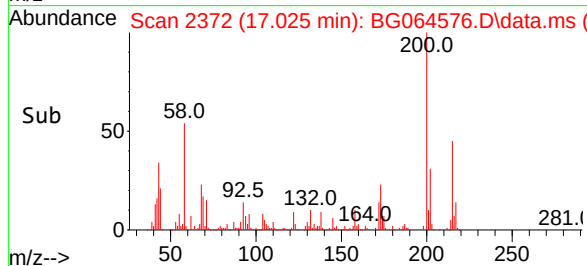
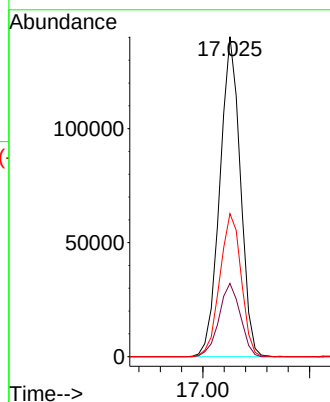
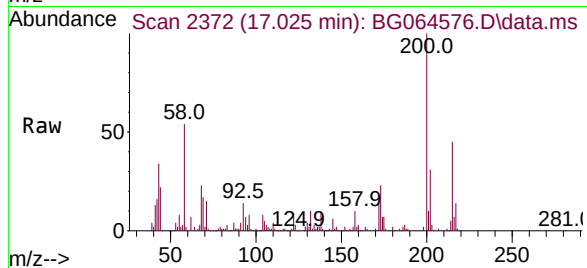
215 44.7 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#70

Pentachlorophenol

Concen: 50.930 ng

RT: 17.225 min Scan# 2406

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

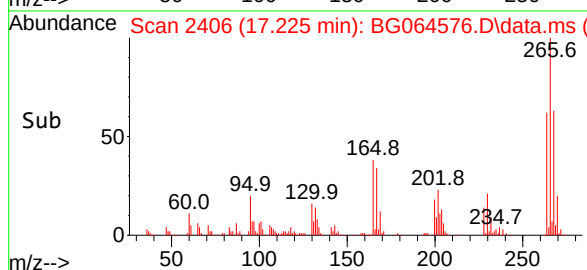
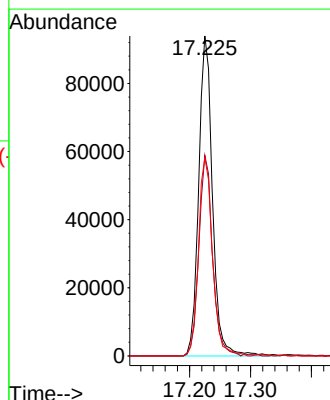
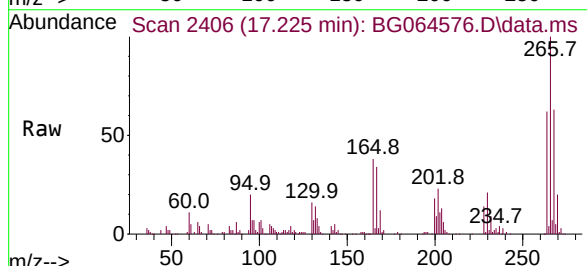
Tgt Ion:266 Resp: 147427

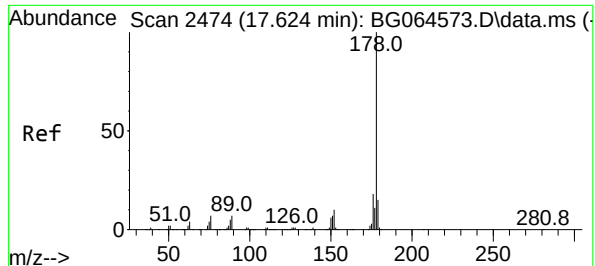
Ion Ratio Lower Upper

266 100

268 67.9 50.3 75.5

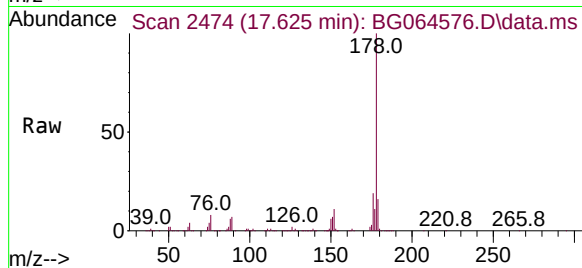
264 62.0 47.3 70.9





#71
Phenanthrene
Concen: 46.621 ng
RT: 17.625 min Scan# 2474
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

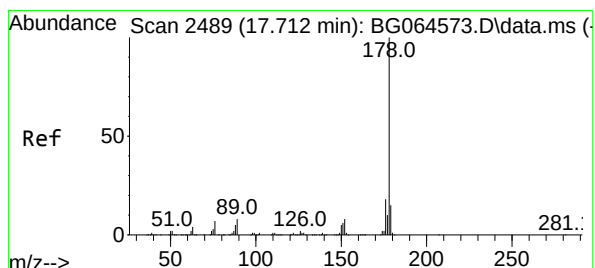
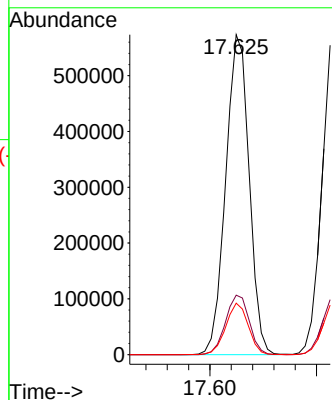
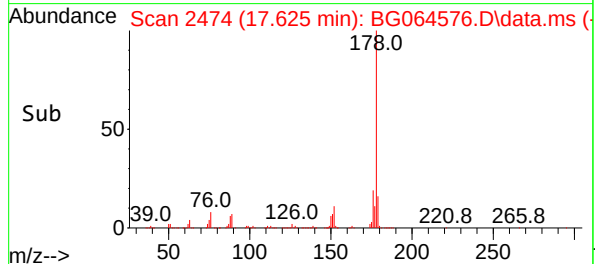
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



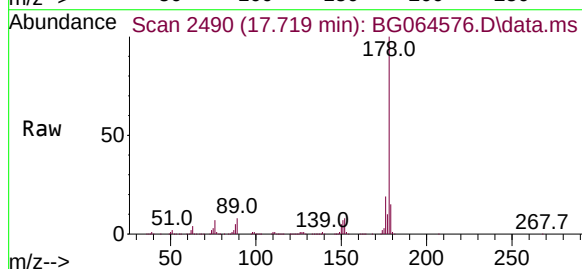
Tgt Ion:178 Resp: 875415
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 16.1 12.2 18.4

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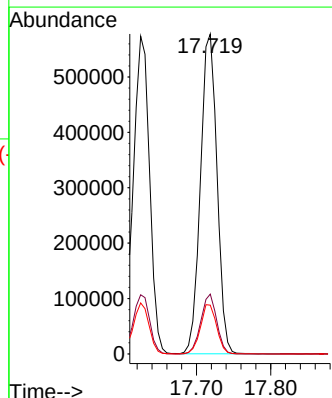
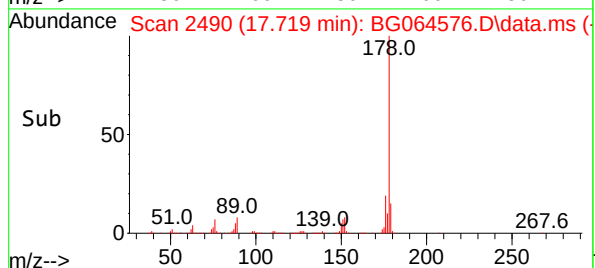
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

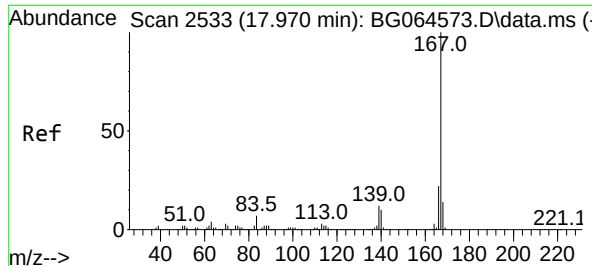


#72
Anthracene
Concen: 46.785 ng
RT: 17.719 min Scan# 2490
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



Tgt Ion:178 Resp: 893629
Ion Ratio Lower Upper
178 100
176 18.7 14.4 21.6
179 15.2 12.4 18.6





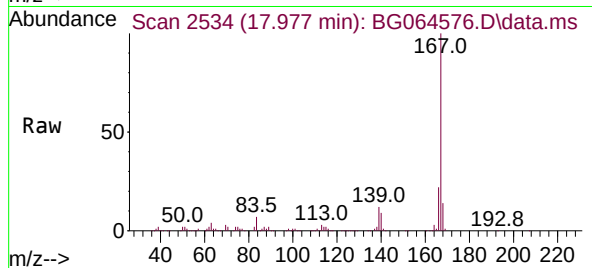
#73
Carbazole
Concen: 46.370 ng
RT: 17.977 min Scan# 2534
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

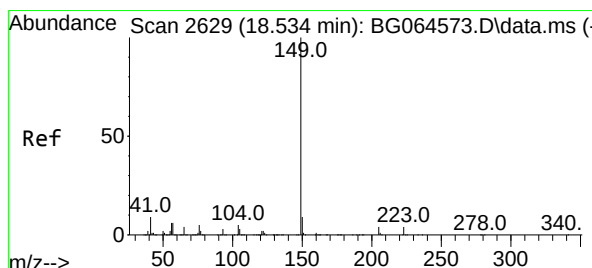
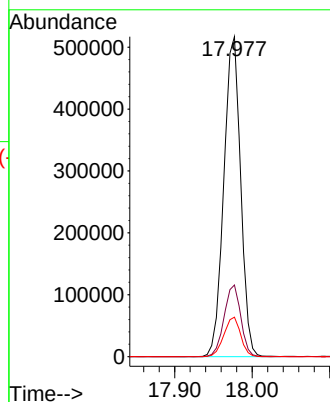
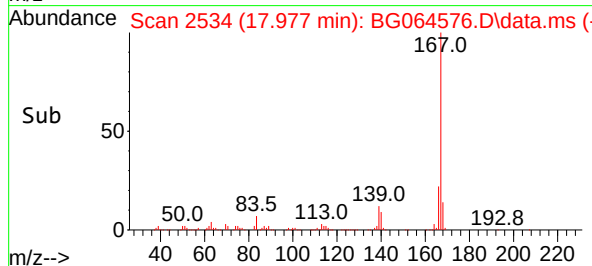
SSTDICC050



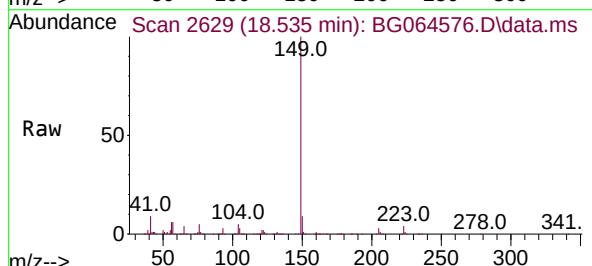
Tgt Ion:167 Resp: 781031
Ion Ratio Lower Upper
167 100
166 22.4 17.9 26.9
139 12.3 9.7 14.5

Manual Integrations
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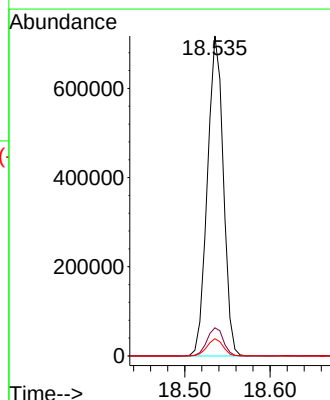
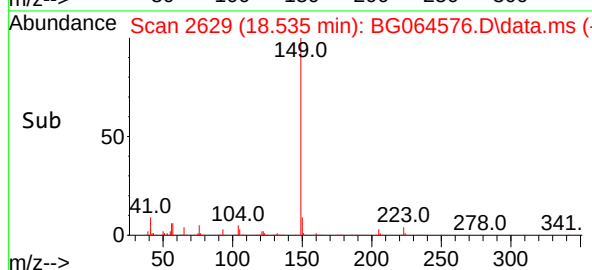
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

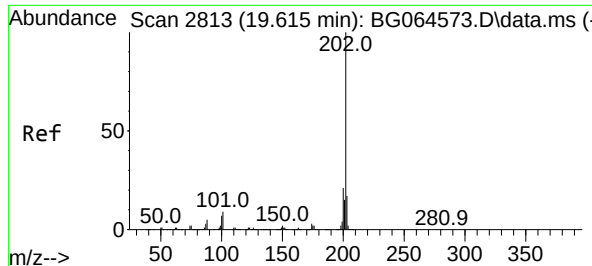


#74
Di-n-butylphthalate
Concen: 47.762 ng
RT: 18.535 min Scan# 2629
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



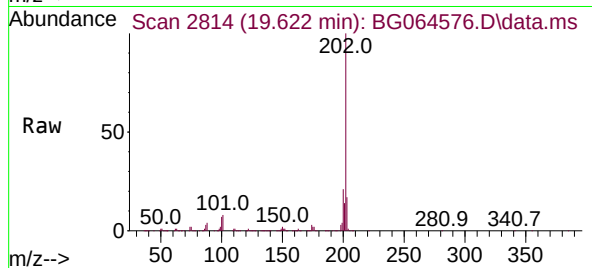
Tgt Ion:149 Resp: 930281
Ion Ratio Lower Upper
149 100
150 8.8 7.0 10.6
104 5.4 4.1 6.1





#75
Fluoranthene
Concen: 46.459 ng
RT: 19.622 min Scan# 2813
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

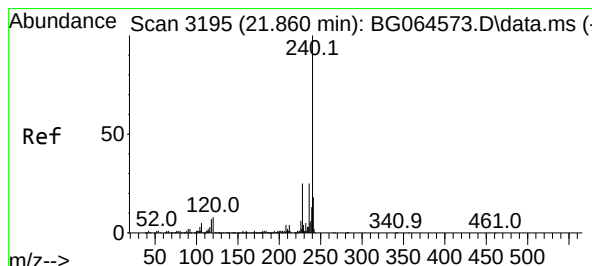
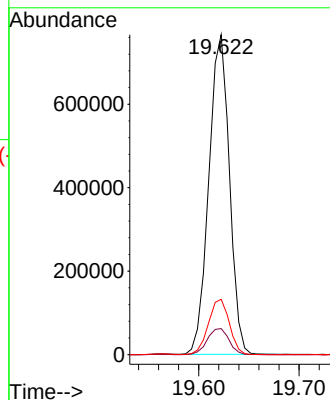
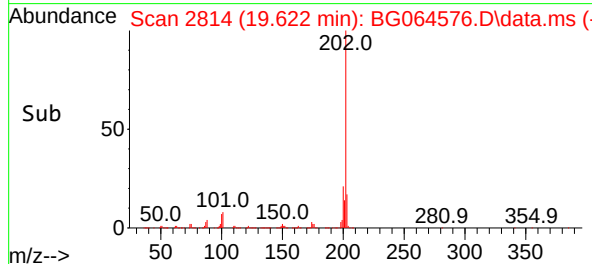
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 1092855
Ion Ratio Lower Upper
202 100
101 8.2 0.0 28.7
203 17.3 0.0 37.0

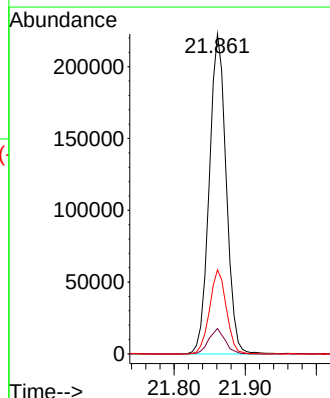
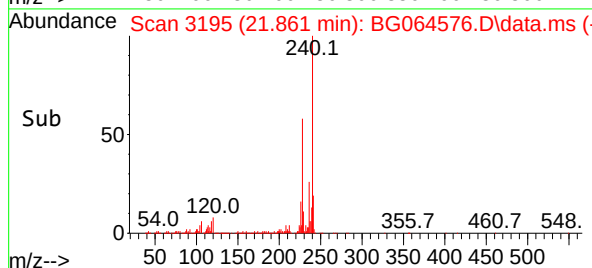
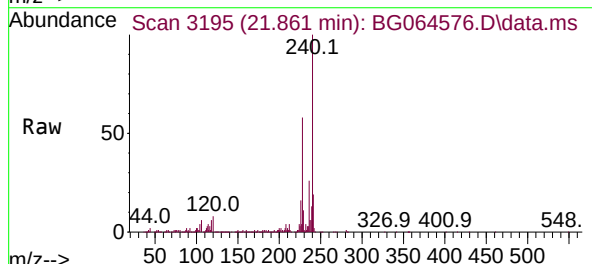
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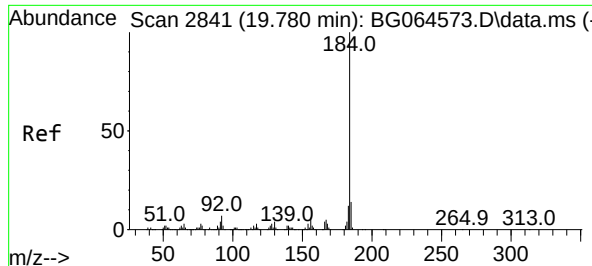
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3195
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

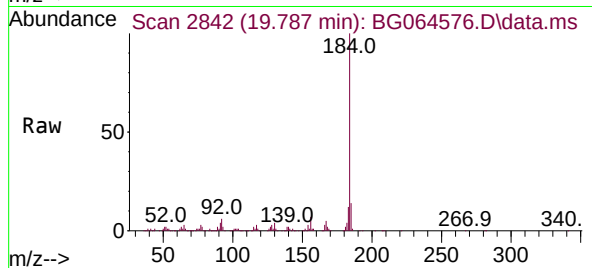
Tgt Ion:240 Resp: 367592
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 26.3 20.2 30.2





#77
Benzidine
Concen: 46.435 ng
RT: 19.787 min Scan# 2841
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

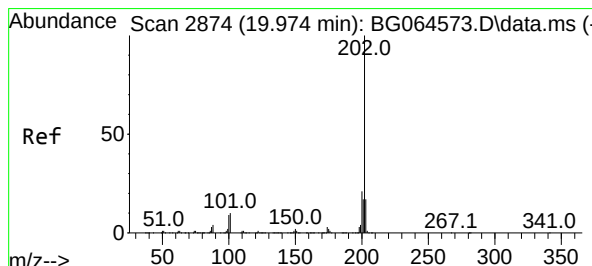
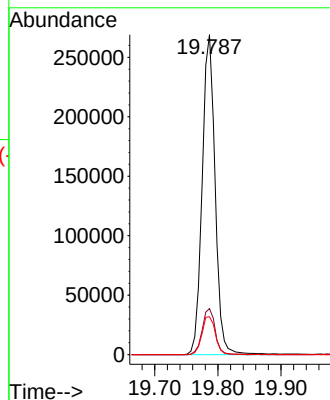
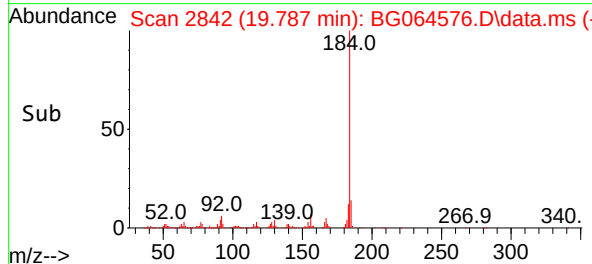
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 382418
Ion Ratio Lower Upper
184 100
185 14.4 11.4 17.2
183 11.8 9.4 14.2

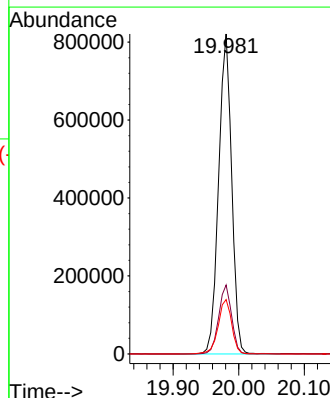
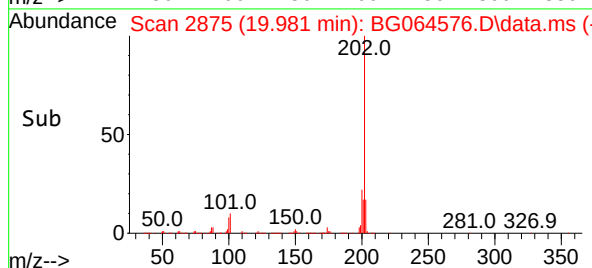
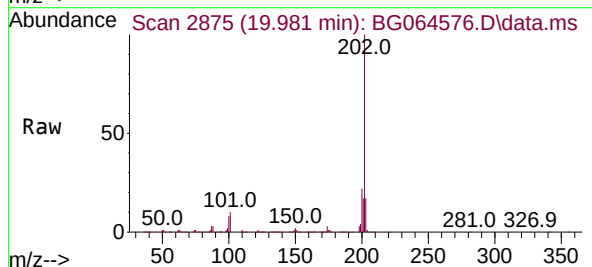
Manual Integrations
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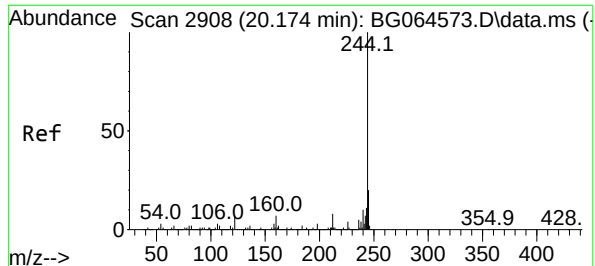
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#78
Pyrene
Concen: 47.190 ng
RT: 19.981 min Scan# 2875
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

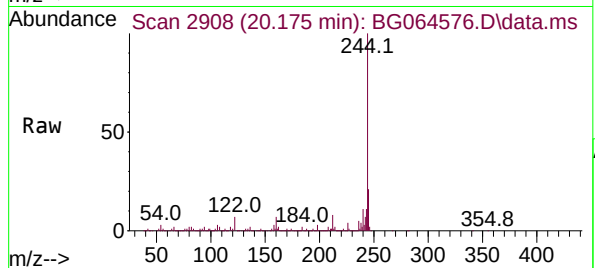
Tgt Ion:202 Resp: 1133345
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 17.0 13.8 20.6





#79
Terphenyl-d14
Concen: 93.162 ng
RT: 20.175 min Scan# 2908
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

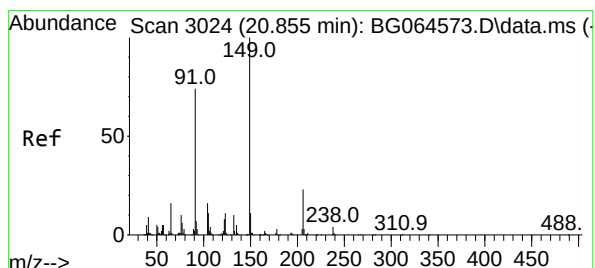
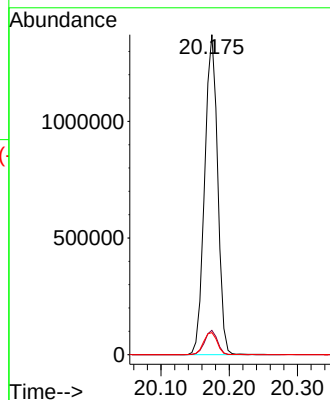
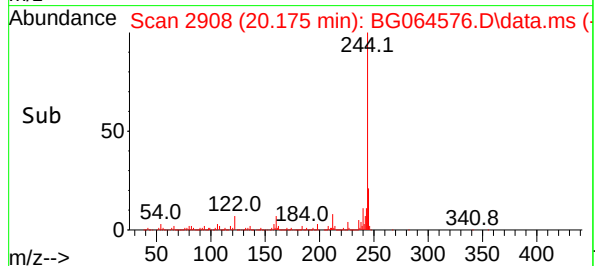
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:244 Resp: 1814663
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 6.9 5.6 8.4

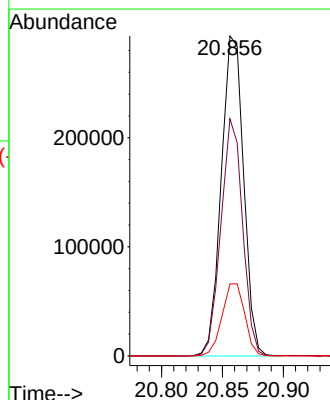
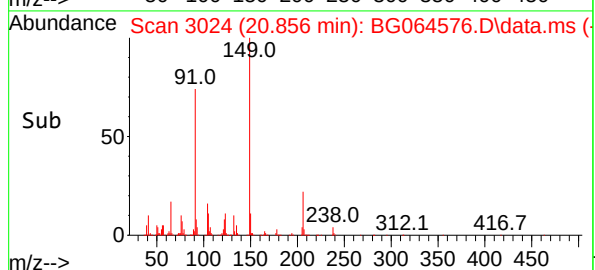
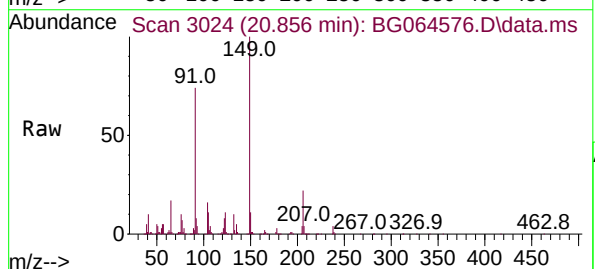
Manual Integrations
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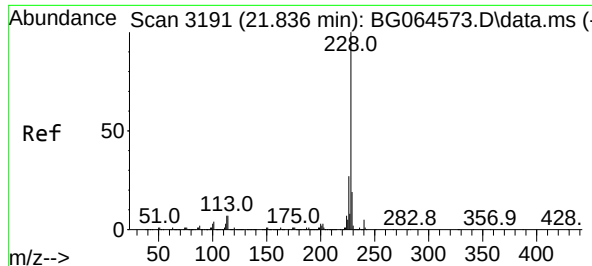
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#80
Butylbenzylphthalate
Concen: 51.609 ng
RT: 20.856 min Scan# 3024
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

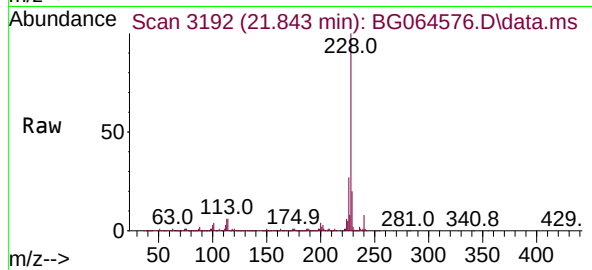
Tgt Ion:149 Resp: 374611
Ion Ratio Lower Upper
149 100
91 74.1 59.2 88.8
206 22.5 18.1 27.1





#81
Benzo(a)anthracene
Concen: 47.234 ng
RT: 21.843 min Scan# 3191
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

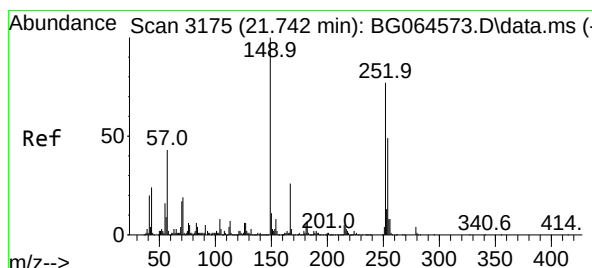
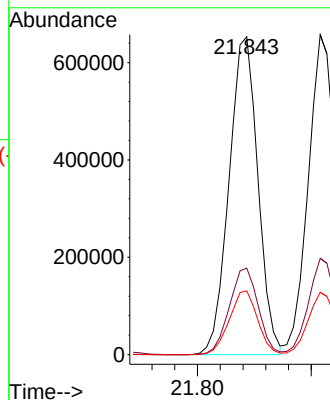
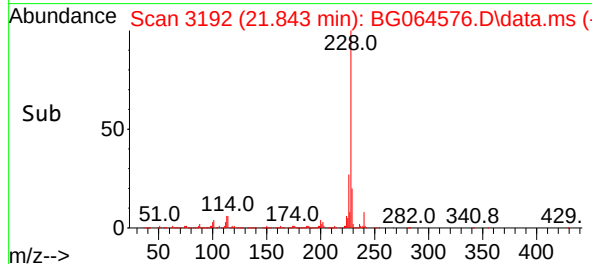
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 1151242
Ion Ratio Lower Upper
228 100
226 27.2 21.9 32.9
229 20.1 15.6 23.4

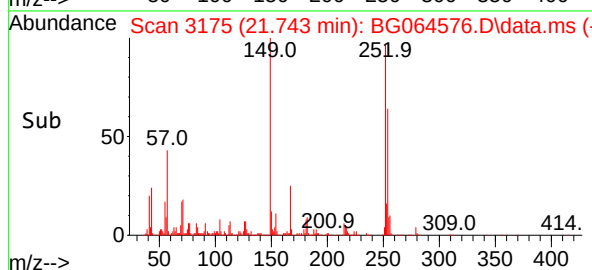
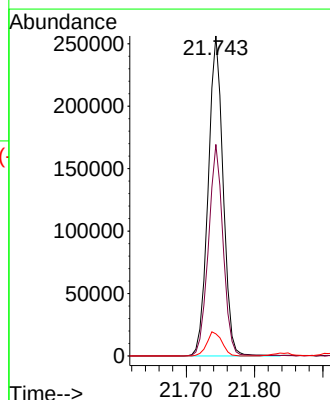
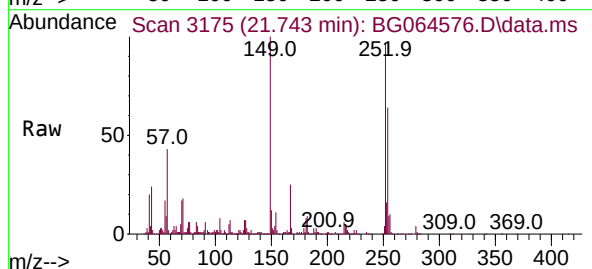
Manual Integrations
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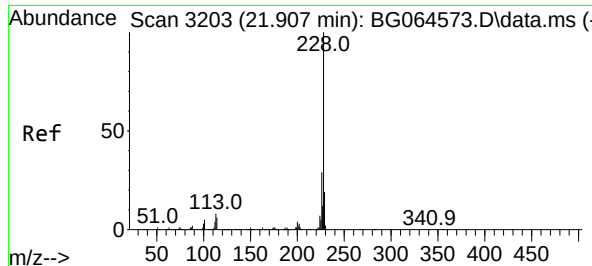
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 47.824 ng
RT: 21.743 min Scan# 3175
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 389240
Ion Ratio Lower Upper
252 100
254 66.1 50.8 76.2
126 6.9 5.8 8.6





#83

Chrysene

Concen: 47.062 ng

RT: 21.908 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:228 Resp: 1091456

Ion Ratio Lower Upper

228 100

226 30.1 23.3 34.9

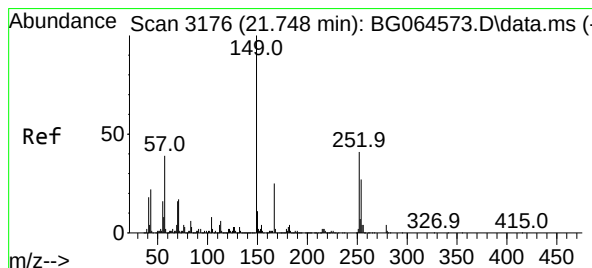
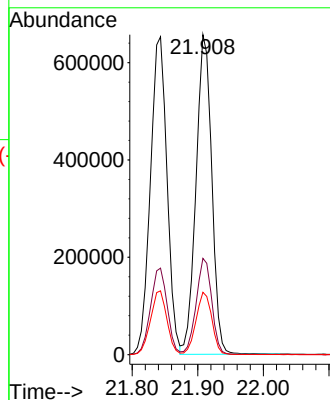
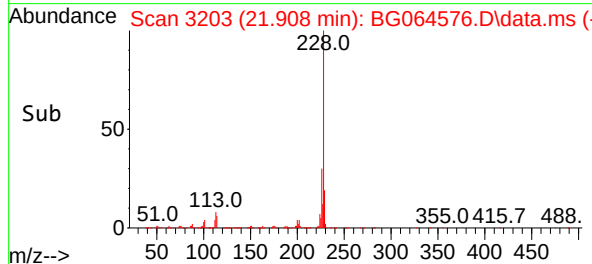
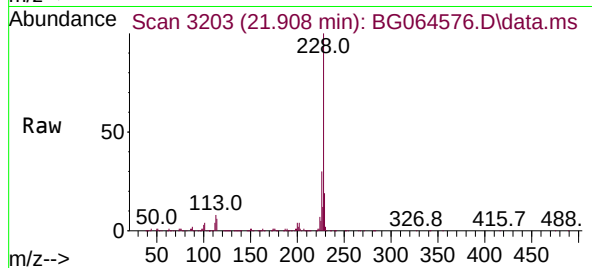
229 19.5 15.2 22.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.576 ng

RT: 21.749 min Scan# 3176

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

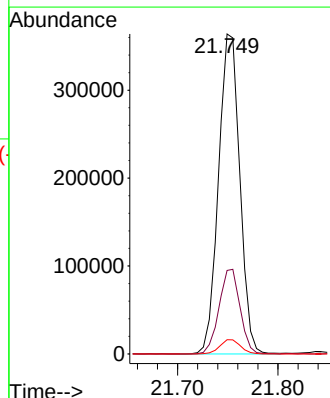
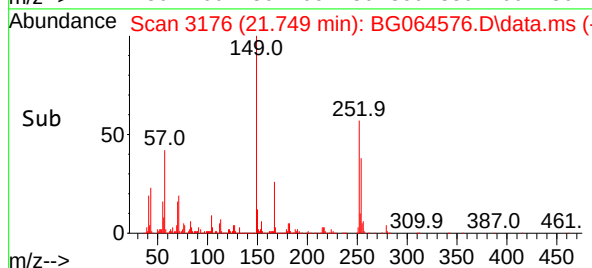
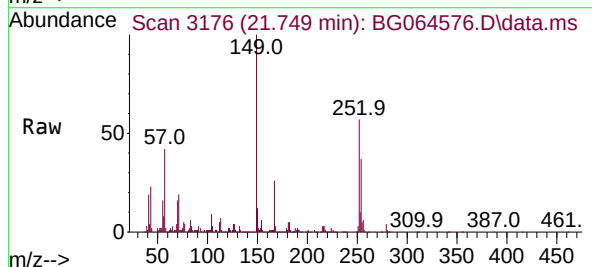
Tgt Ion:149 Resp: 537716

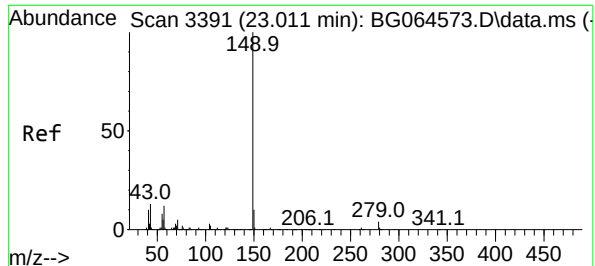
Ion Ratio Lower Upper

149 100

167 26.1 20.0 30.0

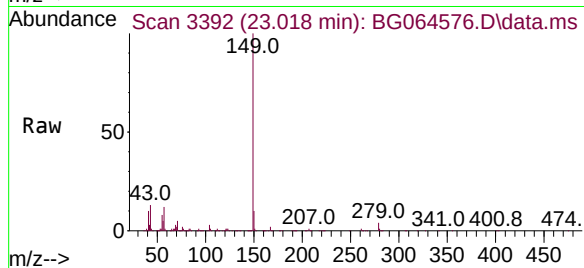
279 4.4 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 49.039 ng
RT: 23.018 min Scan# 3391
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

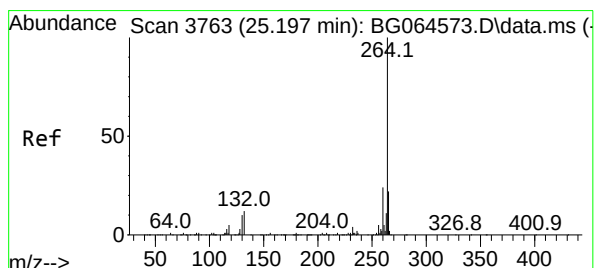
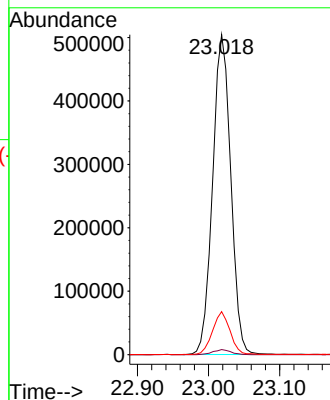
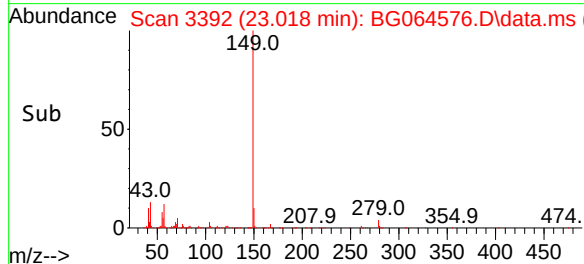
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



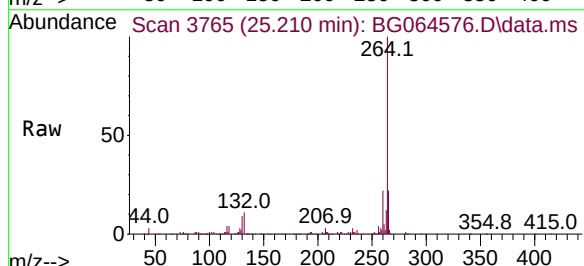
Tgt Ion:149 Resp: 896763
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 13.1 10.8 16.2

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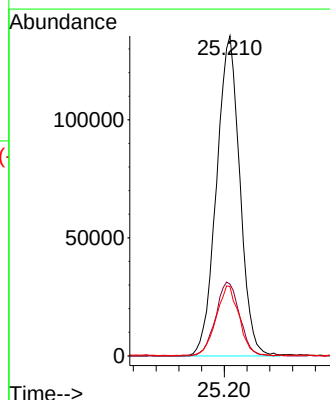
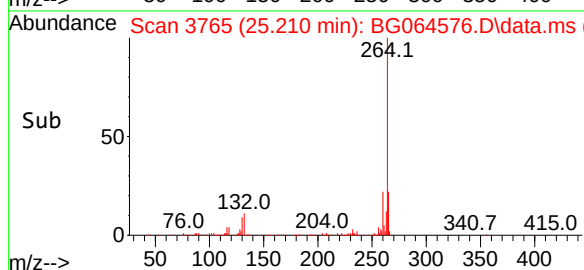
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

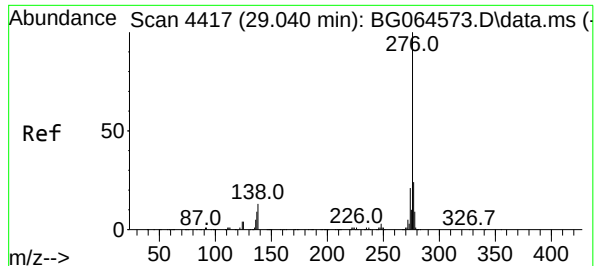


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.210 min Scan# 3765
Delta R.T. 0.009 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



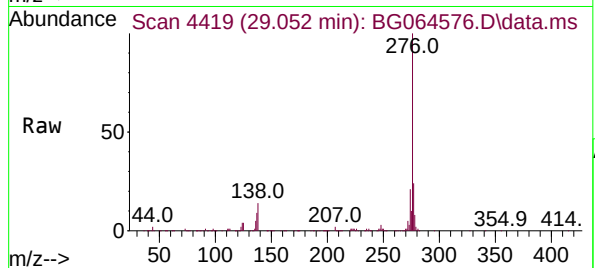
Tgt Ion:264 Resp: 385865
Ion Ratio Lower Upper
264 100
260 22.4 19.0 28.4
265 21.7 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 47.425 ng
RT: 29.052 min Scan# 4417
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

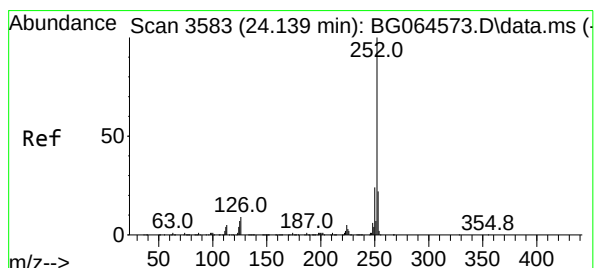
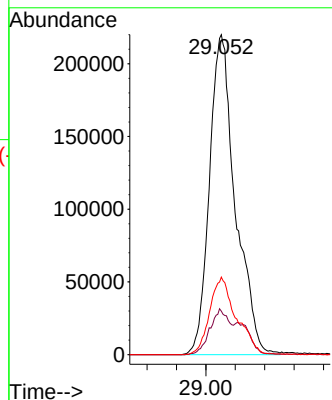
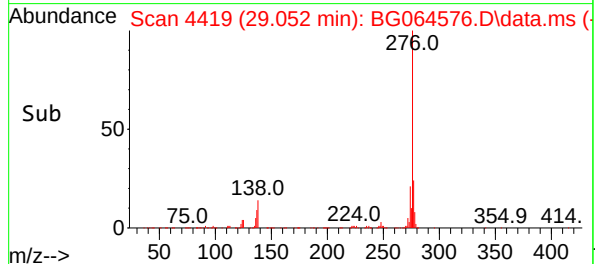
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 276 Resp: 1346188
Ion Ratio Lower Upper
276 100
138 10.9 10.8 16.2
277 24.8 20.1 30.1

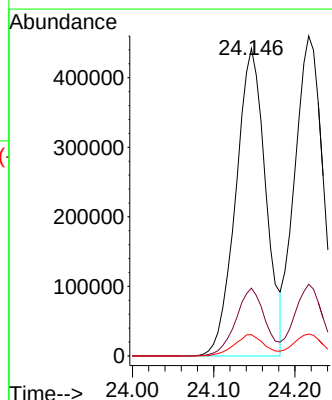
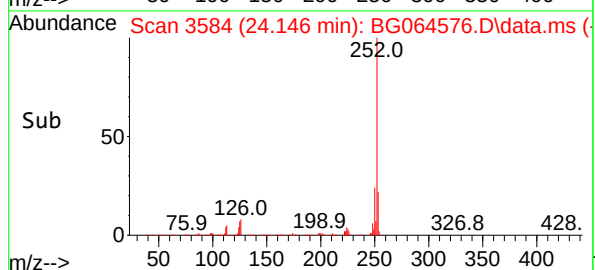
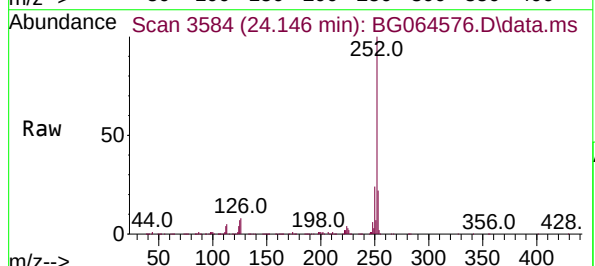
Manual Integrations
APPROVED

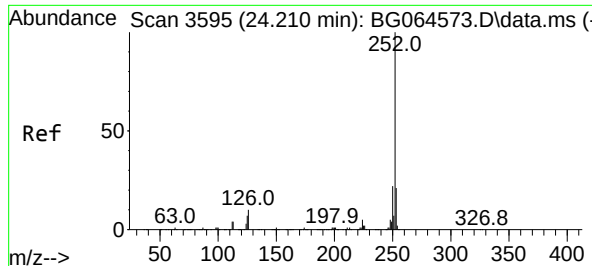
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#88
Benzo(b)fluoranthene
Concen: 47.810 ng
RT: 24.146 min Scan# 3584
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 252 Resp: 1131250
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 6.9 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 46.901 ng

RT: 24.217 min Scan# 3596

Delta R.T. -0.003 min

Lab File: BG064576.D

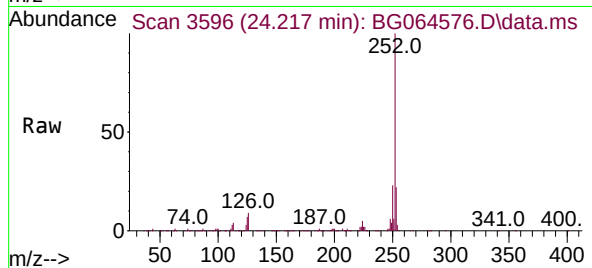
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050



Tgt Ion:252 Resp: 1110490

Ion Ratio Lower Upper

252 100

253 22.4 16.8 25.2

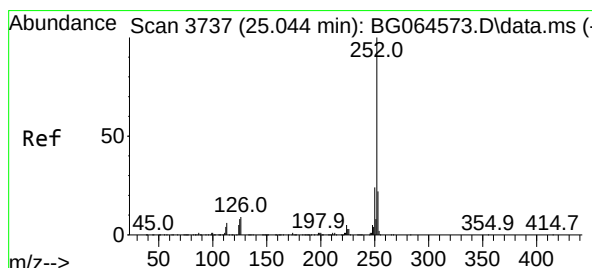
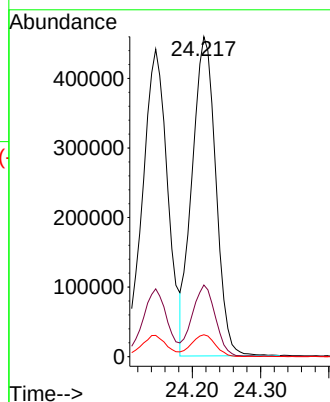
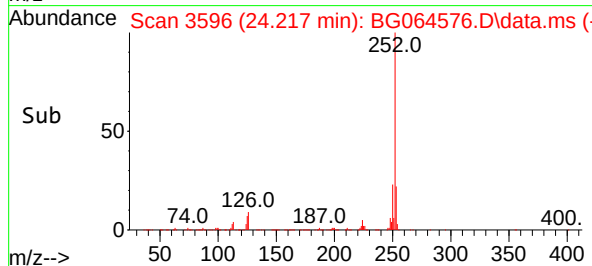
125 6.8 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 47.339 ng

RT: 25.051 min Scan# 3738

Delta R.T. -0.008 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

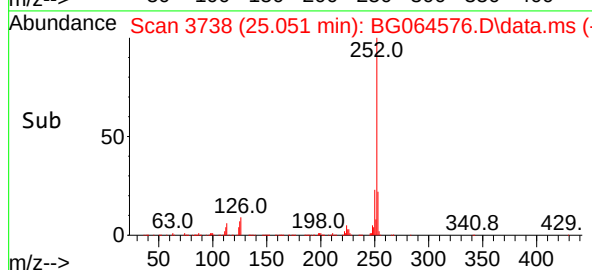
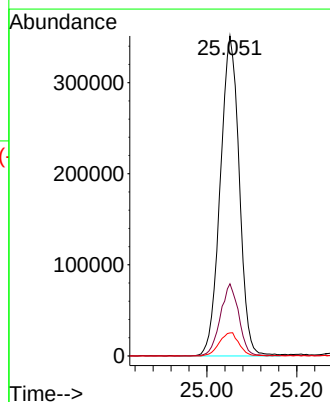
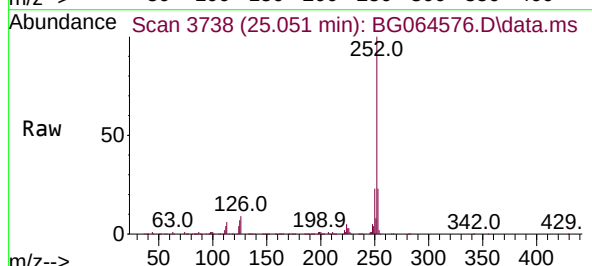
Tgt Ion:252 Resp: 1029605

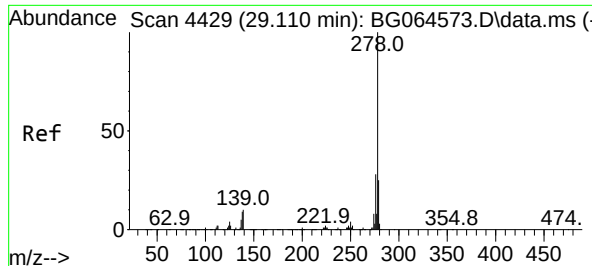
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

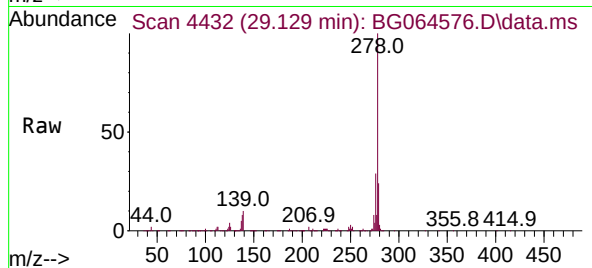
125 7.2 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 47.283 ng
RT: 29.129 min Scan# 4419
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

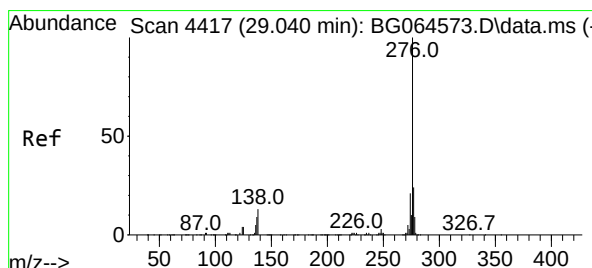
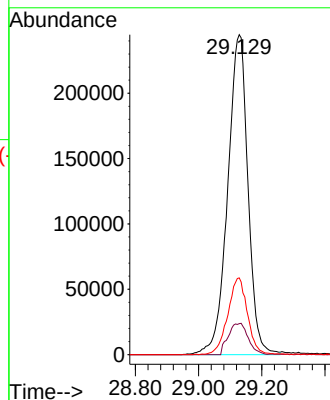
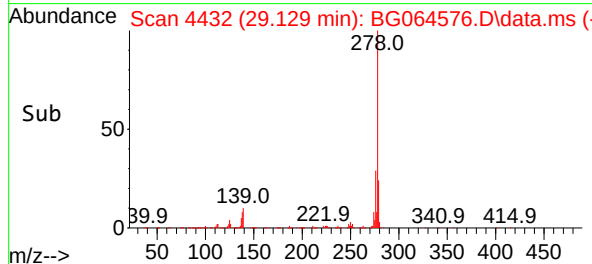
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:278 Resp: 109040
Ion Ratio Lower Upper
278 100
139 9.7 8.0 12.0
279 24.0 19.8 29.6

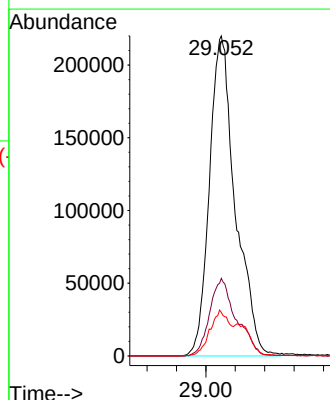
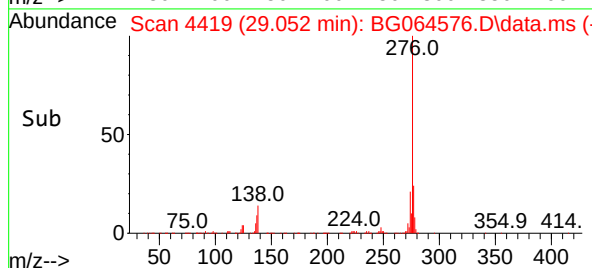
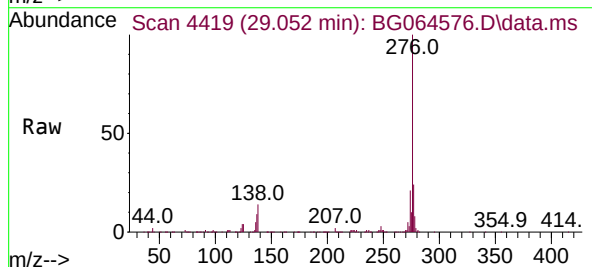
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 47.425 ng
RT: 29.052 min Scan# 4419
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 1346188
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 13.6 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:24:36 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	37186	20.000	ng	0.00
21) Naphthalene-d8	11.048	136	157125	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	124202	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	290051	20.000	ng	0.00
76) Chrysene-d12	21.859	240	293608	20.000	ng	0.00
86) Perylene-d12	25.202	264	306886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	156266	70.535	ng	0.00
7) Phenol-d6	7.353	99	225294	74.109	ng	0.00
23) Nitrobenzene-d5	9.386	82	200749	76.738	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	134578	75.074	ng	0.00
45) 2-Fluorobiphenyl	13.475	172	594887	72.599	ng	0.00
79) Terphenyl-d14	20.173	244	1151597	74.019	ng	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.586	88	33172	33.820	ng	97
3) Pyridine	3.998	79	98123	33.313	ng	95
4) n-Nitrosodimethylamine	3.898	42	56903	36.025	ng	98
6) Aniline	7.529	93	157683	38.118	ng	99
8) 2-Chlorophenol	7.776	128	85755	36.981	ng	96
9) Benzaldehyde	7.341	77	84516	50.923	ng	95
10) Phenol	7.376	94	122412	36.410	ng	98
11) bis(2-Chloroethyl)ether	7.529	93	157683	38.118	ng	99
12) 1,3-Dichlorobenzene	8.111	146	96308	36.085	ng	94
13) 1,4-Dichlorobenzene	8.257	146	102132	37.635	ng	96
14) 1,2-Dichlorobenzene	8.581	146	96651	36.924	ng	97
15) Benzyl Alcohol	8.445	79	95250	37.995	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.745	45	234476	36.163	ng	98
17) 2-Methylphenol	8.445	107	48801	38.945	ng	95
18) Hexachloroethane	9.327	117	34040	35.743	ng	96
19) n-Nitroso-di-n-propyla...	9.027	70	83140	39.572	ng	96
20) 3+4-Methylphenols	8.974	107	118917	37.882	ng	96
22) Acetophenone	9.045	105	162385	37.806	ng	97
24) Nitrobenzene	9.427	77	111836	39.305	ng	97
25) Isophorone	9.955	82	236860	37.733	ng	99
26) 2-Nitrophenol	10.143	139	38013	35.498	ng	97
27) 2,4-Dimethylphenol	10.196	122	98450m	41.336	ng	
28) bis(2-Chloroethoxy)met...	10.437	93	132072	36.953	ng	99
29) 2,4-Dichlorophenol	10.684	162	95966	38.190	ng	97
30) 1,2,4-Trichlorobenzene	10.907	180	108339	37.945	ng	97
31) Naphthalene	11.101	128	311084	35.709	ng	100
32) Benzoic acid	10.296	122	62191m	37.924	ng	
33) 4-Chloroaniline	11.189	127	139799	41.287	ng	99
34) Hexachlorobutadiene	11.389	225	78691	35.242	ng	97
35) Caprolactam	11.941	113	35011	36.326	ng	93
36) 4-Chloro-3-methylphenol	12.294	107	114927	38.049	ng	98
37) 2-Methylnaphthalene	12.693	142	213545	33.388	ng	98
38) 1-Methylnaphthalene	12.911	142	224857	35.729	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	154838	37.146	ng	99
41) Hexachlorocyclopentadiene	13.040	237	95065	50.669	ng	98
43) 2,4,6-Trichlorophenol	13.281	196	92335	38.726	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:24:36 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

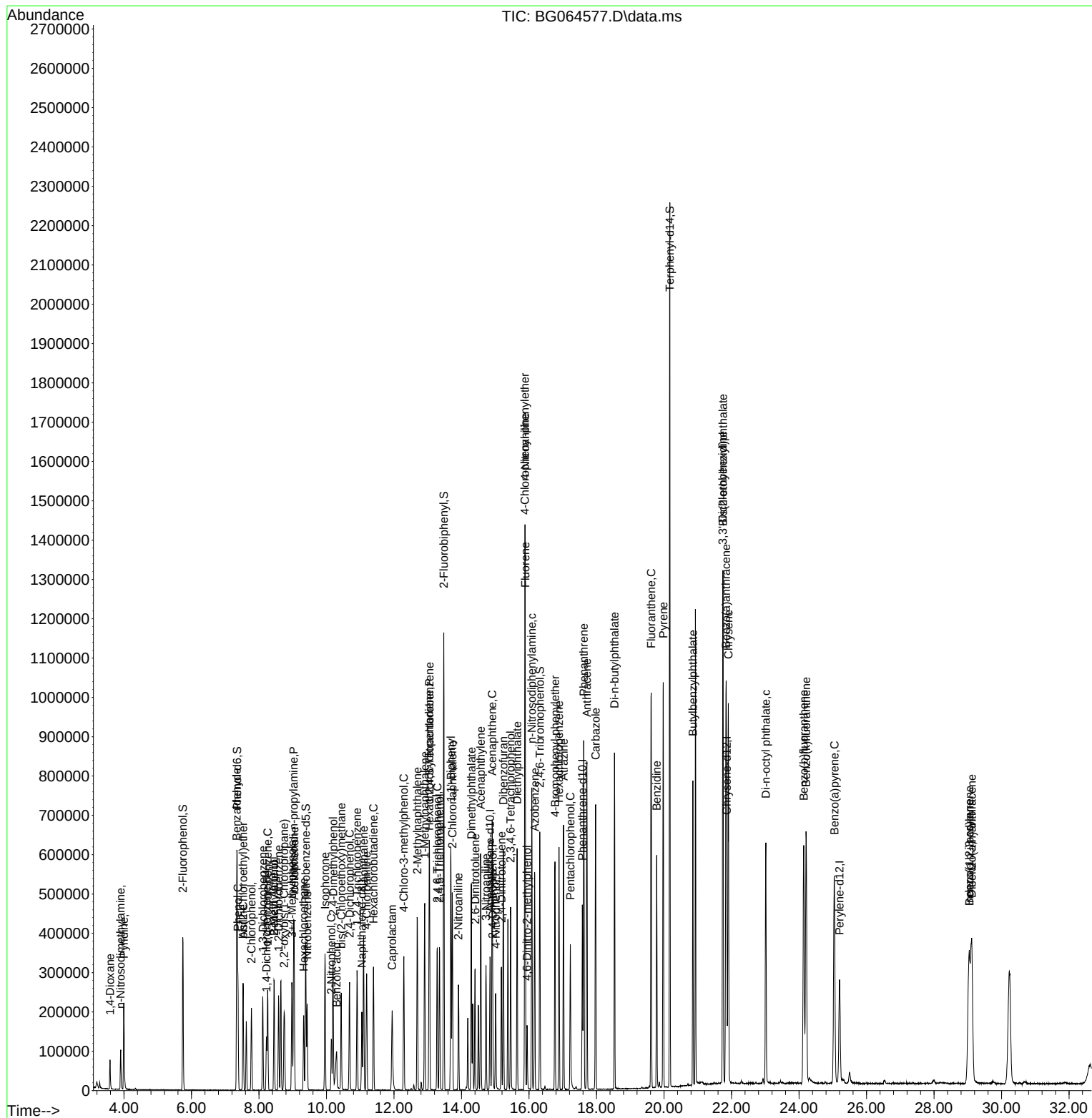
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	102433	37.228	ng	99
46) 1,1'-Biphenyl	13.686	154	329629	37.331	ng	99
47) 2-Chloronaphthalene	13.727	162	241311	36.205	ng	97
48) 2-Nitroaniline	13.910	65	78927	36.129	ng	96
49) Acenaphthylene	14.568	152	435836	41.457	ng	98
50) Dimethylphthalate	14.292	163	350600	36.890	ng	100
51) 2,6-Dinitrotoluene	14.403	165	61784	39.971	ng	100
52) Acenaphthene	14.908	154	253833	35.340	ng	98
53) 3-Nitroaniline	14.726	138	68729	42.080	ng	99
54) 2,4-Dinitrophenol	14.926	184	29394	33.991	ng	# 56
55) Dibenzofuran	15.237	168	419154	36.096	ng	97
56) 4-Nitrophenol	15.014	139	51210	33.818	ng	92
57) 2,4-Dinitrotoluene	15.185	165	85201	35.957	ng	96
58) Fluorene	15.890	166	328636	36.238	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	106626	40.525	ng	97
60) Diethylphthalate	15.649	149	348964	35.961	ng	99
61) 4-Chlorophenyl-phenyle...	15.878	204	182714	35.902	ng	99
62) 4-Nitroaniline	15.884	138	68807	37.867	ng	97
63) Azobenzene	16.172	77	323432	36.325	ng	97
65) 4,6-Dinitro-2-methylph...	15.943	198	42391	34.885	ng	94
66) n-Nitrosodiphenylamine	16.084	169	300274	38.325	ng	98
67) 4-Bromophenyl-phenylether	16.771	248	130765	38.044	ng	97
68) Hexachlorobenzene	16.888	284	144974	36.971	ng	96
69) Atrazine	17.024	200	130007	38.558	ng	96
70) Pentachlorophenol	17.223	266	85166	34.829	ng	90
71) Phenanthrene	17.623	178	569825	35.925	ng	99
72) Anthracene	17.717	178	584246	36.210	ng	99
73) Carbazole	17.975	167	498849	35.061	ng	99
74) Di-n-butylphthalate	18.534	149	570718	34.688	ng	99
75) Fluoranthene	19.621	202	676996	34.070	ng	99
77) Benzidine	19.785	184	356547	54.203	ng	99
78) Pyrene	19.979	202	693068	36.130	ng	99
80) Butylbenzylphthalate	20.854	149	224386	38.702	ng	98
81) Benzo(a)anthracene	21.836	228	706428	36.287	ng	99
82) 3,3'-Dichlorobenzidine	21.742	252	265324	40.813	ng	96
83) Chrysene	21.906	228	658217	35.533	ng	98
84) Bis(2-ethylhexyl)phtha...	21.747	149	324614	37.470	ng	96
85) Di-n-octyl phthalate	23.017	149	527097	36.087	ng	99
87) Indeno(1,2,3-cd)pyrene	29.045	276	820974	36.366	ng	99
88) Benzo(b)fluoranthene	24.139	252	681881	36.235	ng	99
89) Benzo(k)fluoranthene	24.209	252	701500	37.252	ng	99
90) Benzo(a)pyrene	25.049	252	652126	37.700	ng	98
91) Dibenzo(a,h)anthracene	29.121	278	674510	36.776	ng	96
92) Benzo(g,h,i)perylene	29.045	276	820974	36.366	ng	97

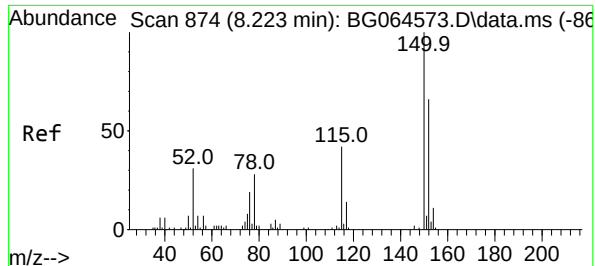
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations

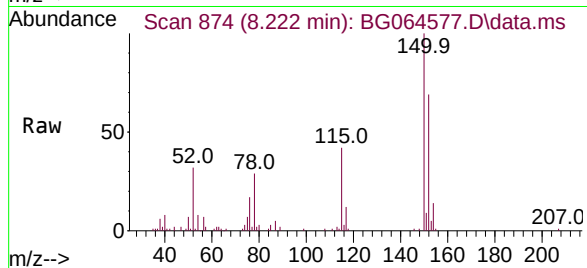
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jaagrut Upadhyay 10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.222 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

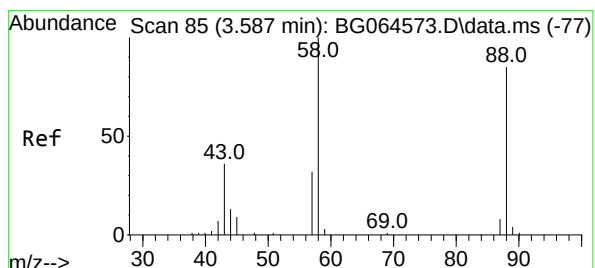
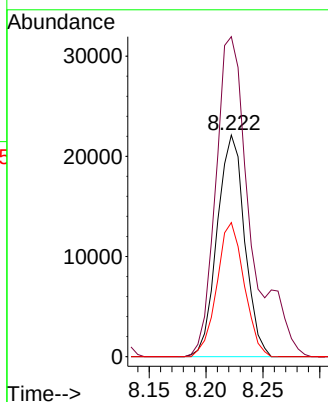
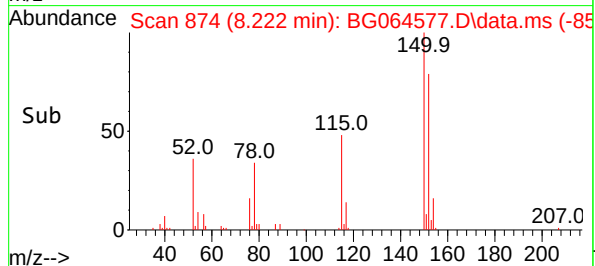
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:152 Resp: 37186
Ion Ratio Lower Upper
152 100
150 144.5 122.2 183.4
115 60.5 50.8 76.2

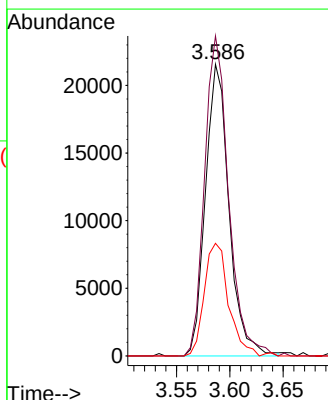
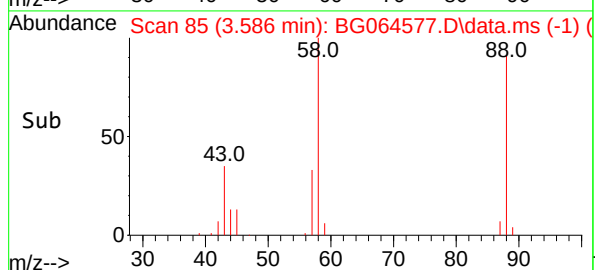
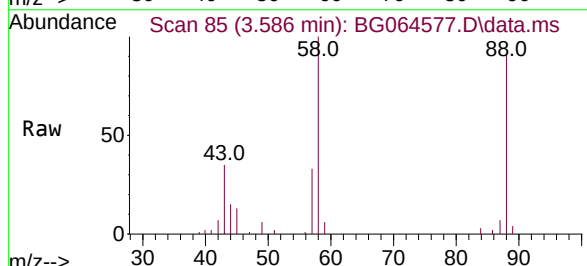
Manual Integrations
APPROVED

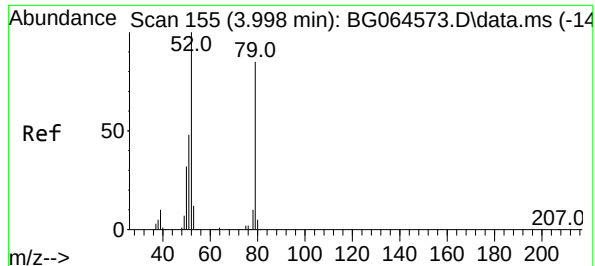
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#2
1,4-Dioxane
Concen: 33.820 ng
RT: 3.586 min Scan# 85
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

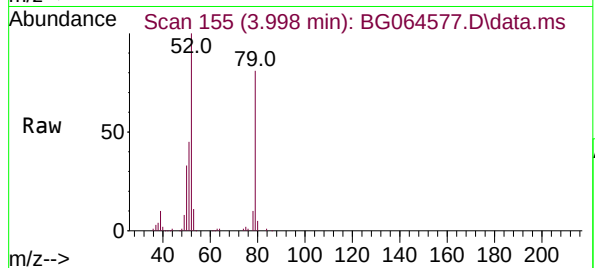
Tgt Ion: 88 Resp: 33172
Ion Ratio Lower Upper
88 100
58 111.8 92.4 138.6
43 40.1 33.0 49.6





#3
Pyridine
Concen: 33.313 ng
RT: 3.998 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

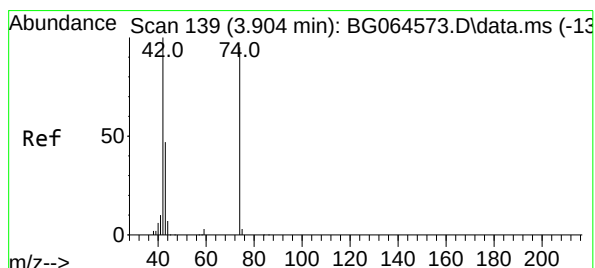
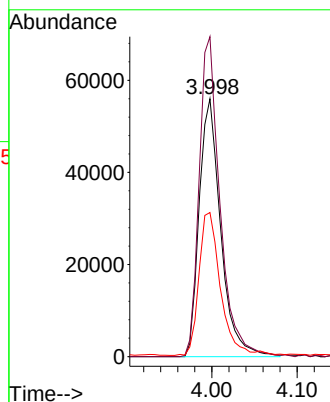
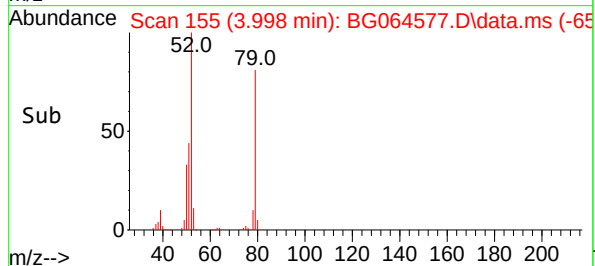
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion: 79 Resp: 98123
Ion Ratio Lower Upper
79 100
52 124.1 94.2 141.2
51 55.8 46.1 69.1

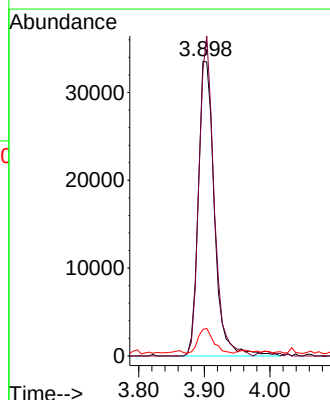
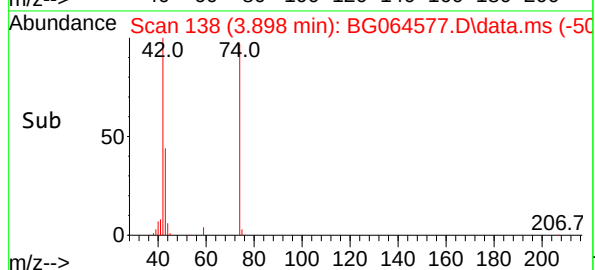
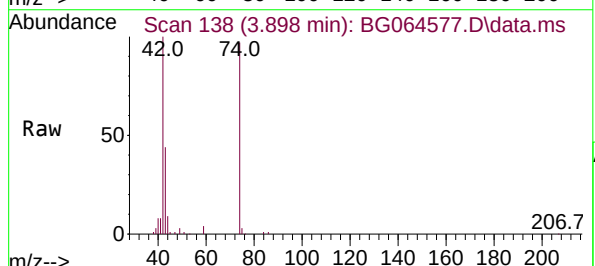
Manual Integrations
APPROVED

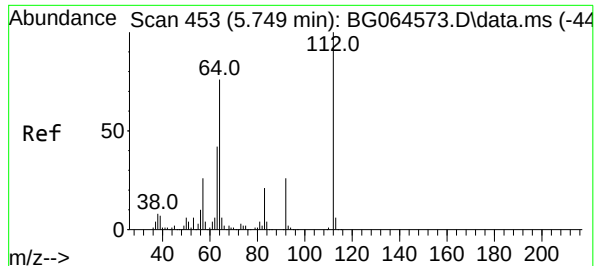
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#4
n-Nitrosodimethylamine
Concen: 36.025 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

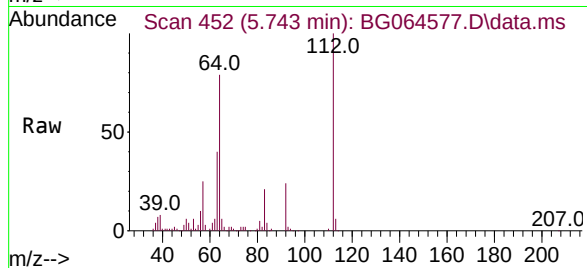
Tgt Ion: 42 Resp: 56903
Ion Ratio Lower Upper
42 100
74 97.0 76.1 114.1
44 9.0 6.3 9.5





#5
2-Fluorophenol
Concen: 70.535 ng
RT: 5.743 min Scan# 453
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

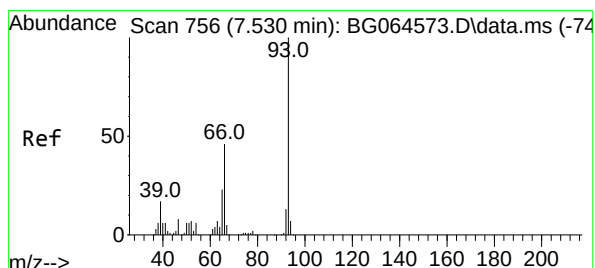
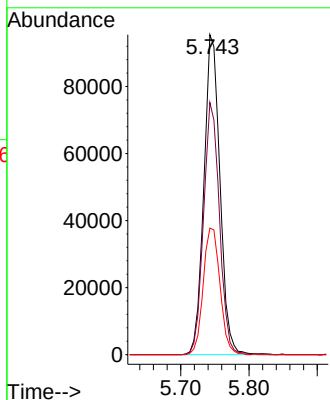
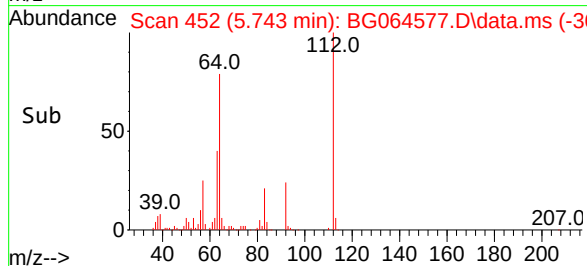
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion: 112 Resp: 156266
Ion Ratio Lower Upper
112 100
64 78.8 60.7 91.1
63 39.5 33.4 50.0

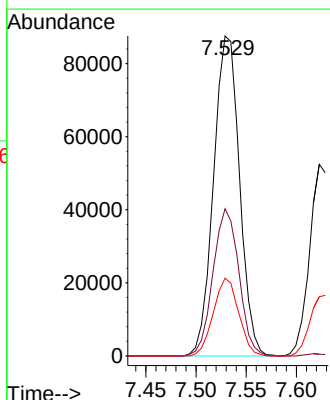
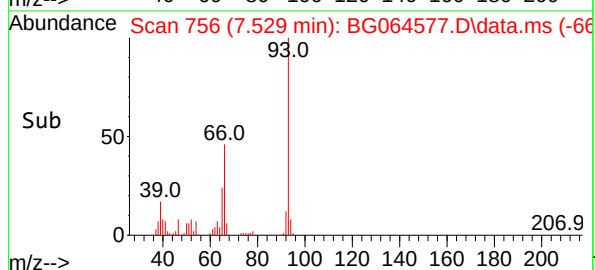
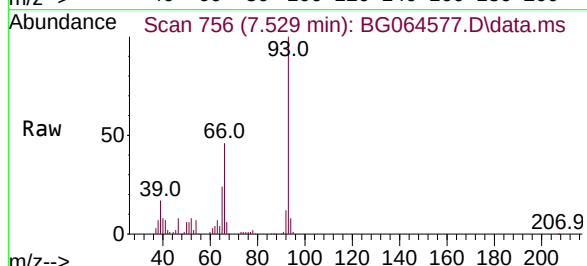
Manual Integrations
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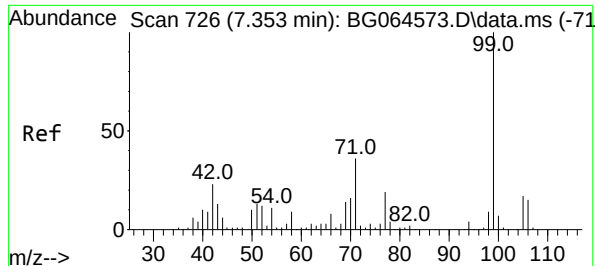
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 38.118 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 157683
Ion Ratio Lower Upper
93 100
66 46.0 37.0 55.6
65 24.3 18.3 27.5





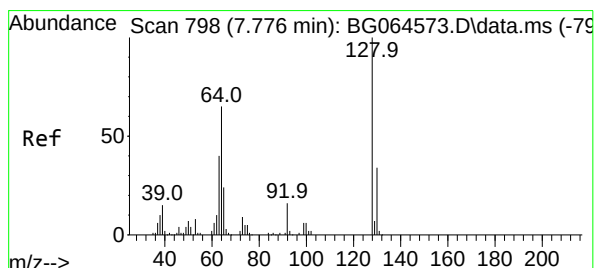
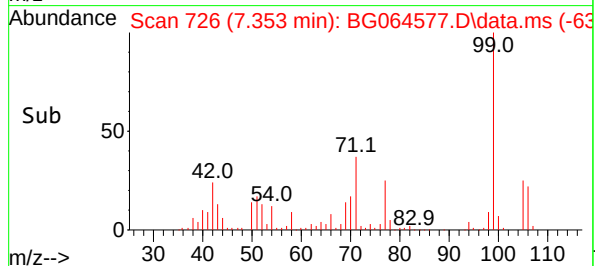
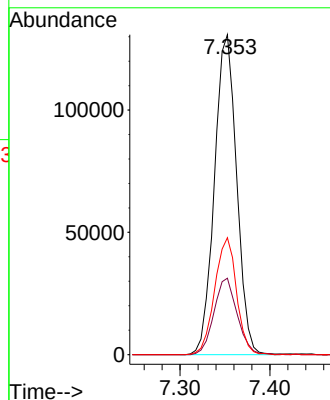
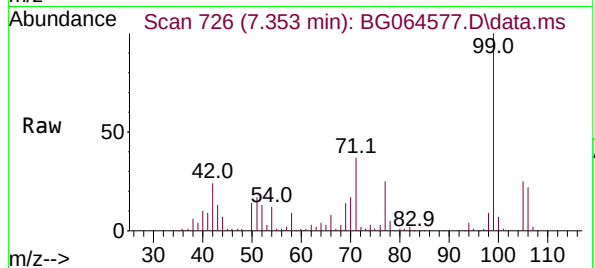
#7
Phenol-d6
Concen: 74.109 ng
RT: 7.353 min Scan# 726
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 99 Resp: 225294
Ion Ratio Lower Upper
99 100
42 23.9 18.3 27.5
71 36.5 28.6 43.0

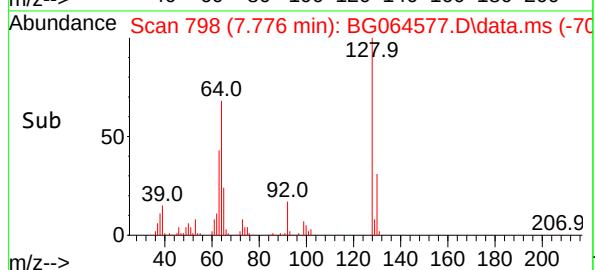
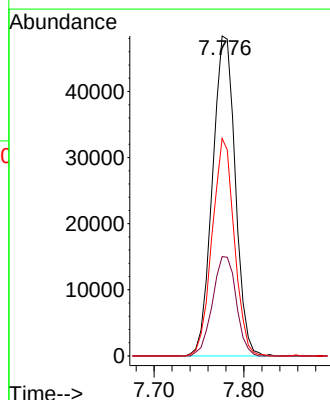
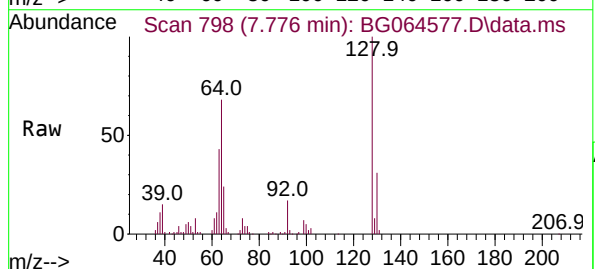
Manual Integrations
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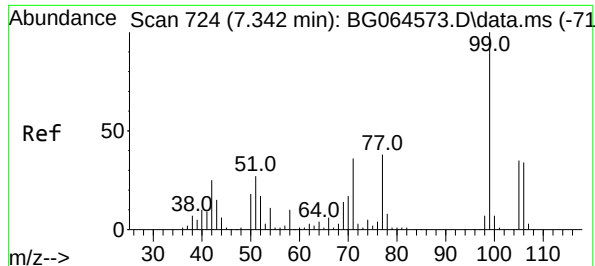
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#8
2-Chlorophenol
Concen: 36.981 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

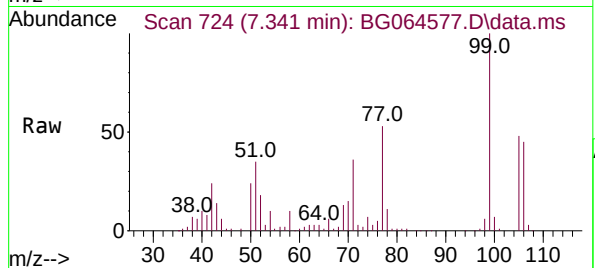
Tgt Ion:128 Resp: 85755
Ion Ratio Lower Upper
128 100
130 31.0 13.5 53.5
64 67.9 45.2 85.2





#9
Benzaldehyde
Concen: 50.923 ng
RT: 7.341 min Scan# 724
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

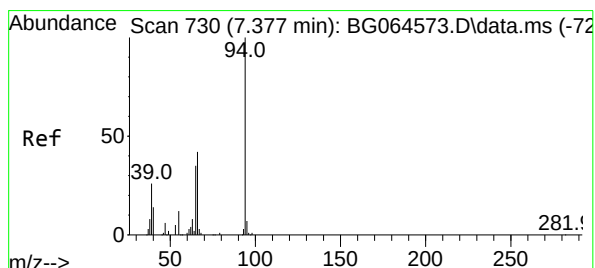
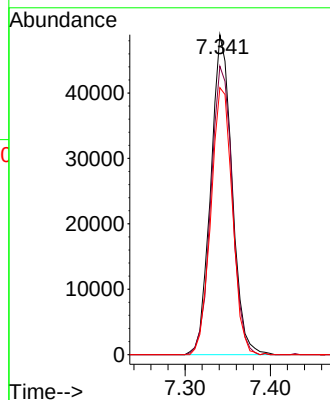
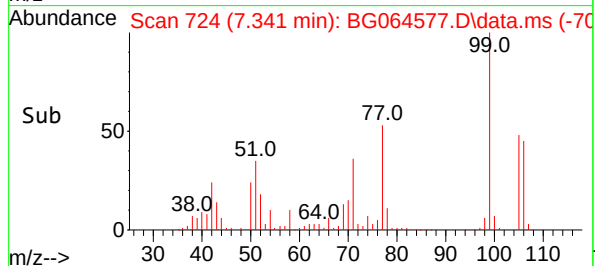
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion: 77 Resp: 84516
Ion Ratio Lower Upper
77 100
105 90.1 72.9 112.9
106 83.4 70.8 110.8

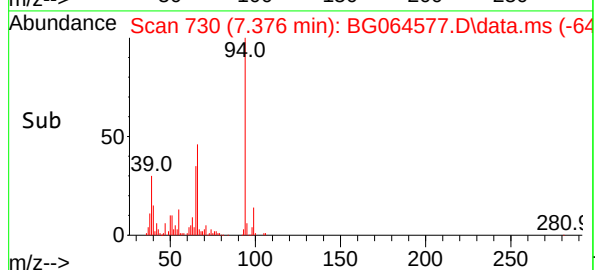
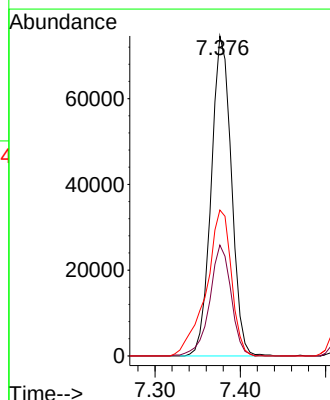
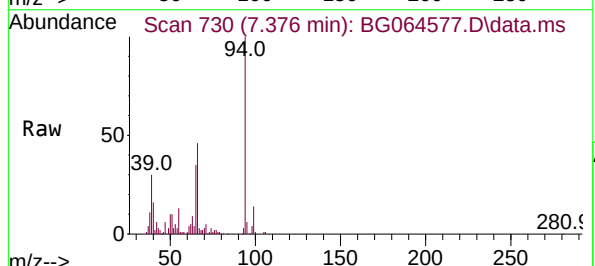
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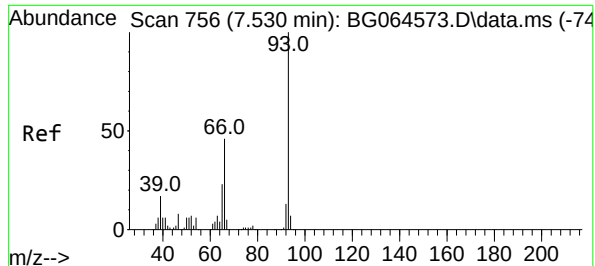
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#10
Phenol
Concen: 36.410 ng
RT: 7.376 min Scan# 730
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 94 Resp: 122412
Ion Ratio Lower Upper
94 100
65 34.6 15.8 55.8
66 45.6 24.0 64.0





#11

bis(2-Chloroethyl)ether

Concen: 38.118 ng

RT: 7.529 min Scan# 756

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Tgt Ion: 93 Resp: 157683

Ion Ratio Lower Upper

93 100

63 7.0 0.0 27.4

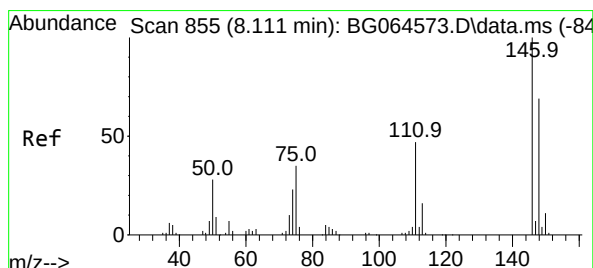
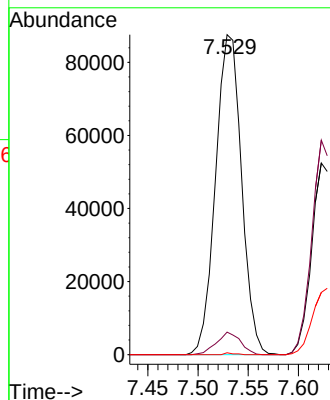
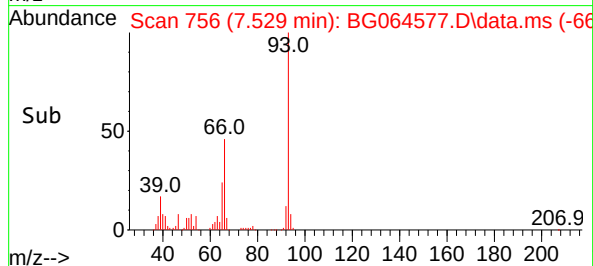
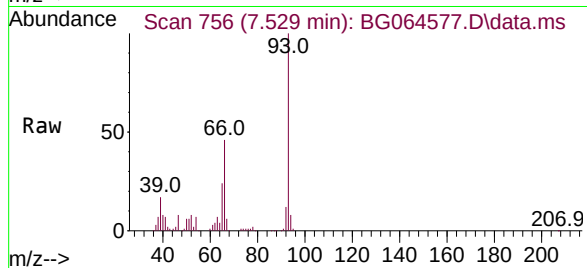
95 0.6 0.0 20.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#12

1,3-Dichlorobenzene

Concen: 36.085 ng

RT: 8.111 min Scan# 855

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

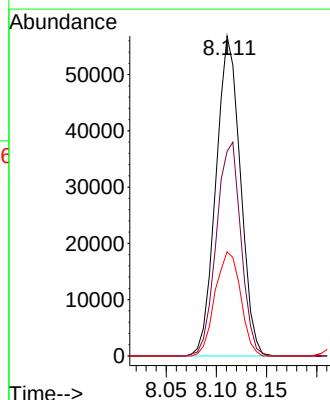
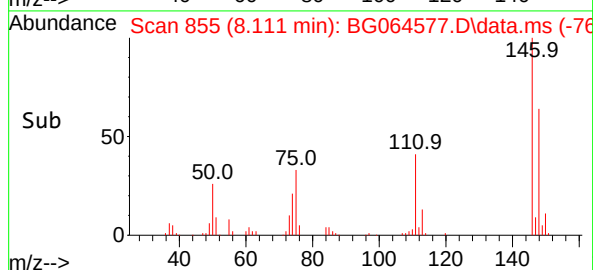
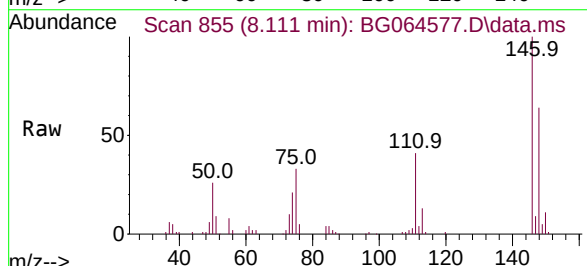
Tgt Ion:146 Resp: 96308

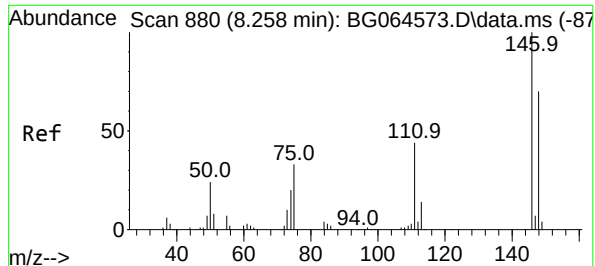
Ion Ratio Lower Upper

146 100

148 63.9 55.3 82.9

75 32.5 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 37.635 ng

RT: 8.257 min Scan# 880

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Tgt Ion:146 Resp: 102132

Ion Ratio Lower Upper

146 100

148 67.2 56.2 84.4

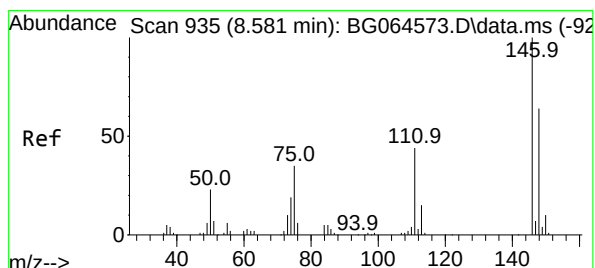
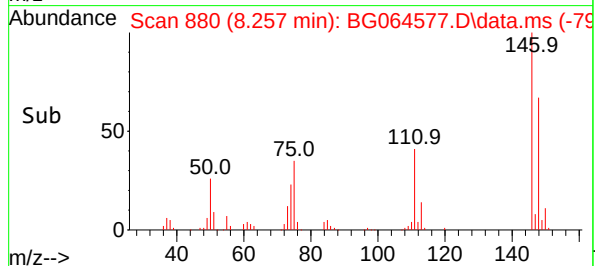
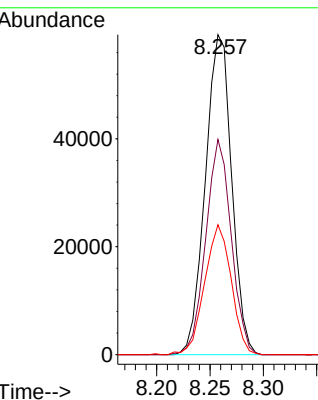
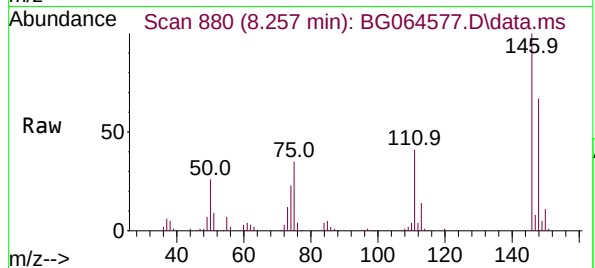
111 40.6 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 36.924 ng

RT: 8.581 min Scan# 935

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

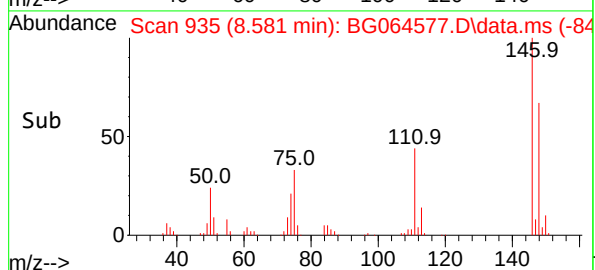
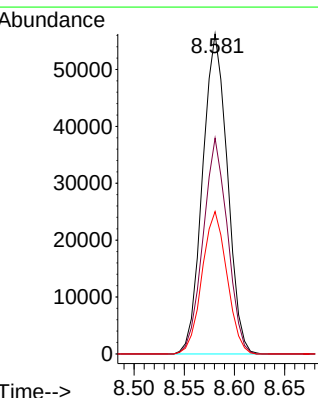
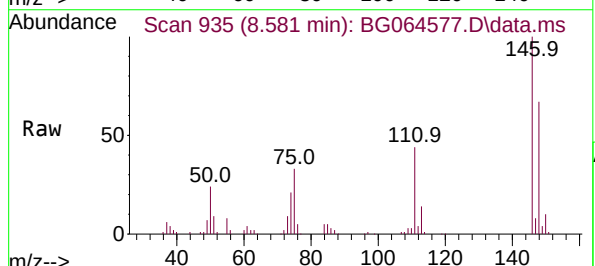
Tgt Ion:146 Resp: 96651

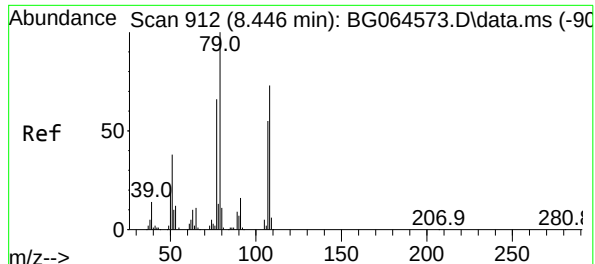
Ion Ratio Lower Upper

146 100

148 67.4 51.5 77.3

111 44.5 35.0 52.6





#15

Benzyl Alcohol

Concen: 37.995 ng

RT: 8.445 min Scan# 912

Delta R.T. -0.010 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

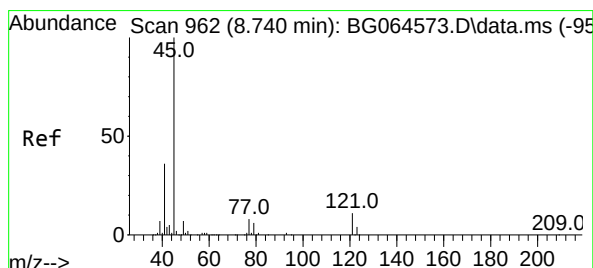
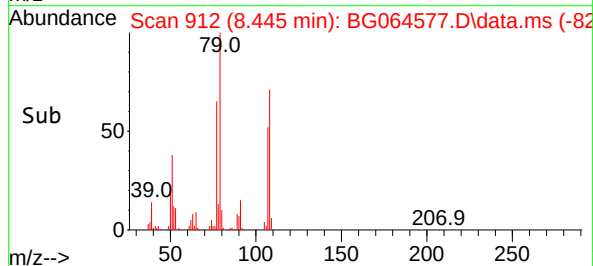
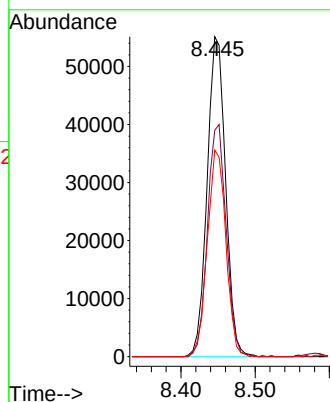
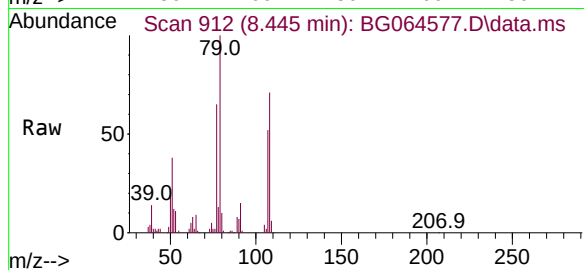
ICVBG102425

Tgt Ion:	79	Resp:	95250
Ion	Ratio	Lower	Upper
79	100		
108	70.7	58.1	87.1
77	64.5	52.8	79.2

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.163 ng

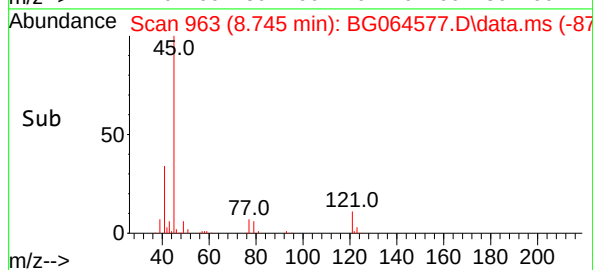
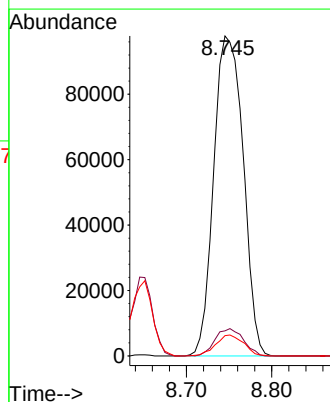
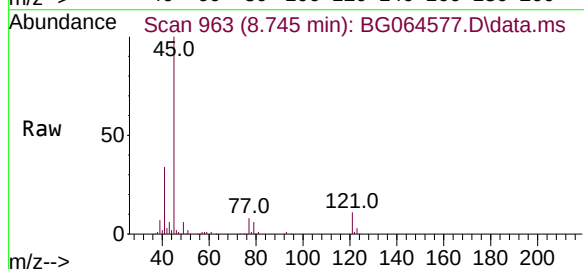
RT: 8.745 min Scan# 963

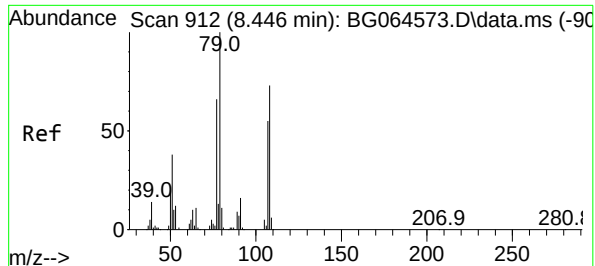
Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Tgt Ion:	45	Resp:	234476
Ion	Ratio	Lower	Upper
45	100		
77	7.8	0.0	28.5
79	6.3	0.0	25.6





#17

2-Methylphenol

Concen: 38.945 ng

RT: 8.445 min Scan# 912

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Tgt Ion:107 Resp: 4880

Ion Ratio Lower Upper

107 100

108 137.1 106.4 159.6

77 125.1 96.7 145.1

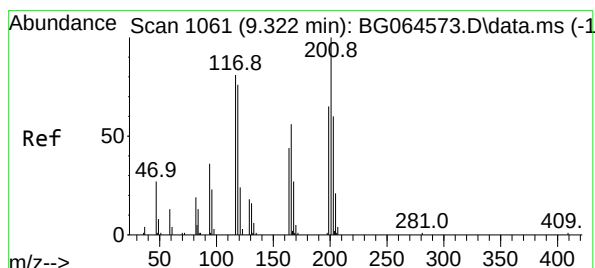
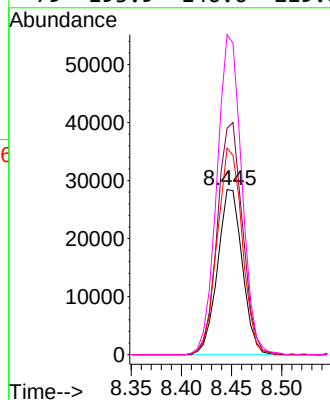
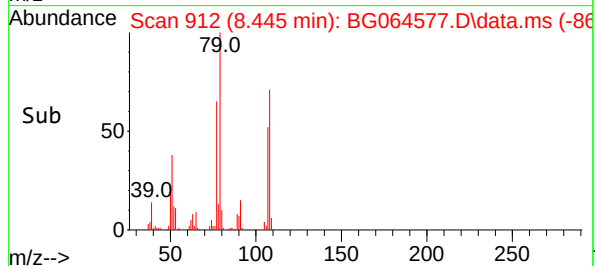
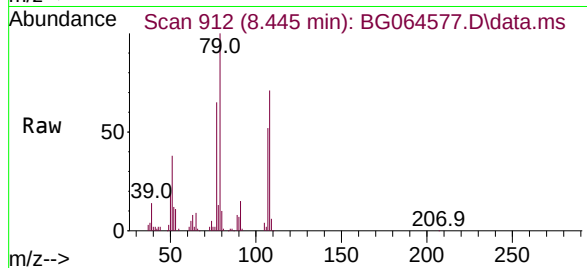
79 193.9 146.6 219.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 35.743 ng

RT: 9.327 min Scan# 1062

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

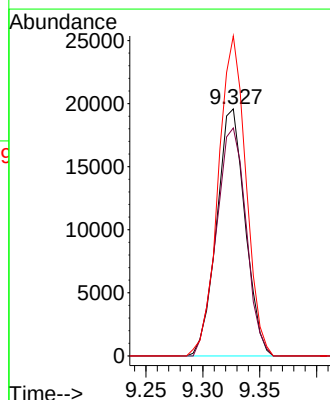
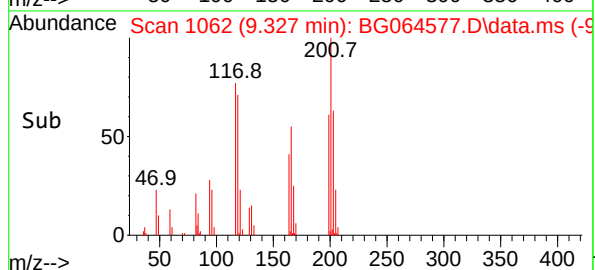
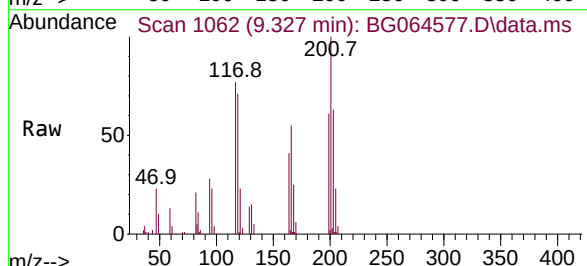
Tgt Ion:117 Resp: 34040

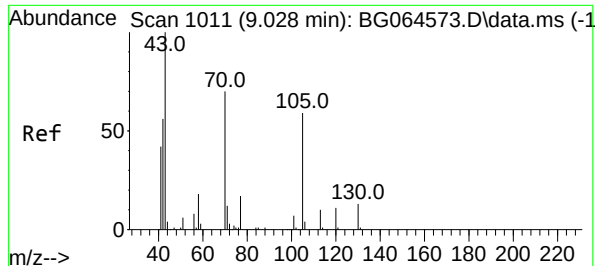
Ion Ratio Lower Upper

117 100

119 92.3 75.4 113.2

201 129.6 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 39.572 ng

RT: 9.027 min Scan# 1011

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Tgt Ion: 70 Resp: 83140

Ion Ratio Lower Upper

70 100

42 76.9 65.2 97.8

101 9.1 7.9 11.9

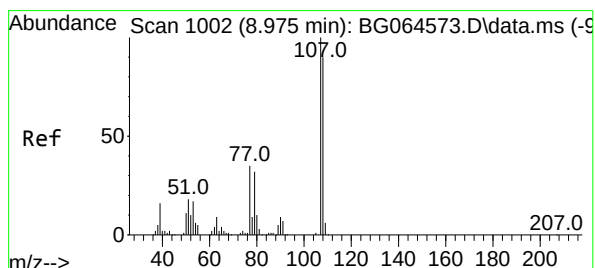
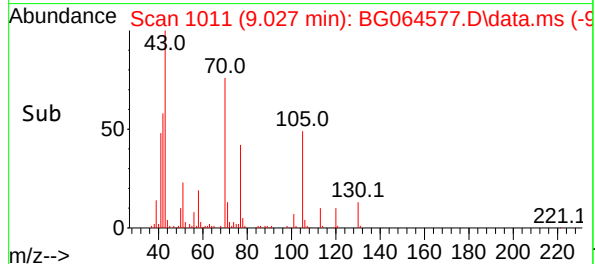
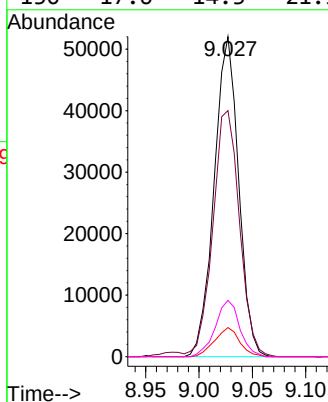
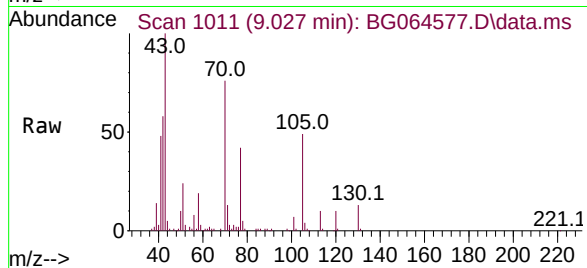
130 17.6 14.3 21.5

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 37.882 ng

RT: 8.974 min Scan# 1002

Delta R.T. -0.010 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Tgt Ion:107 Resp: 118917

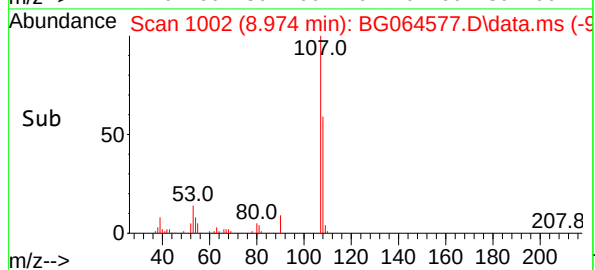
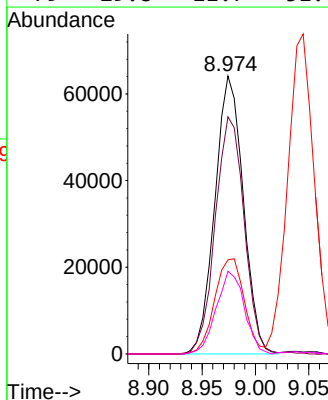
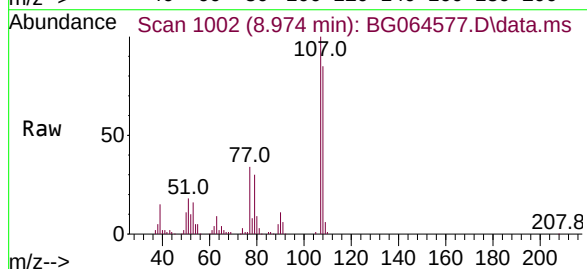
Ion Ratio Lower Upper

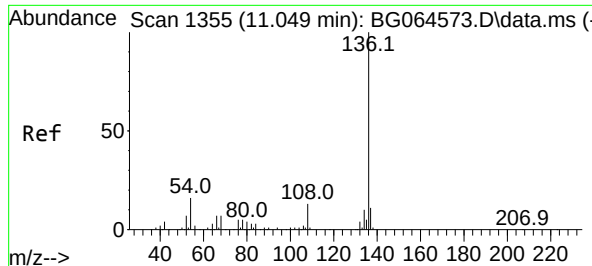
107 100

108 85.3 70.3 110.3

77 33.8 14.6 54.6

79 29.8 11.7 51.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.048 min Scan# 1355

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Tgt Ion:136 Resp: 157125

Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 15.6 12.6 19.0

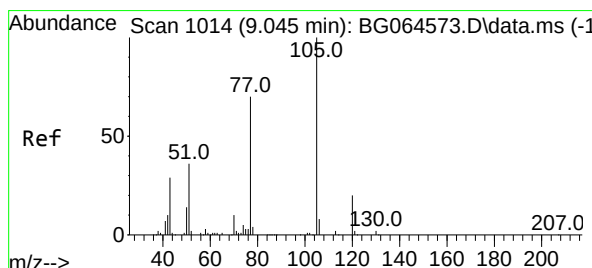
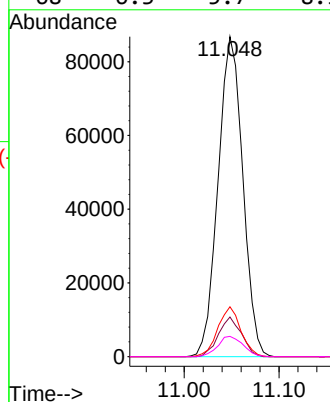
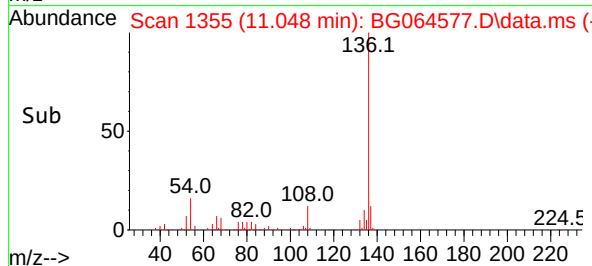
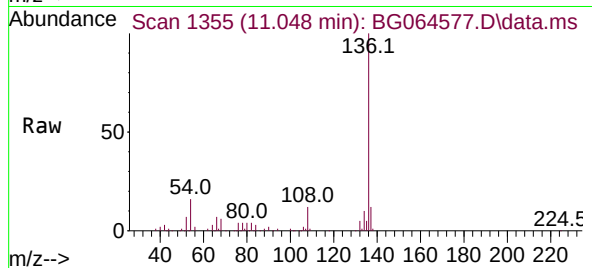
68 6.3 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#22

Acetophenone

Concen: 37.806 ng

RT: 9.045 min Scan# 1014

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Tgt Ion:105 Resp: 162385

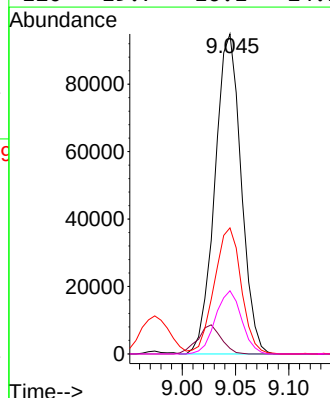
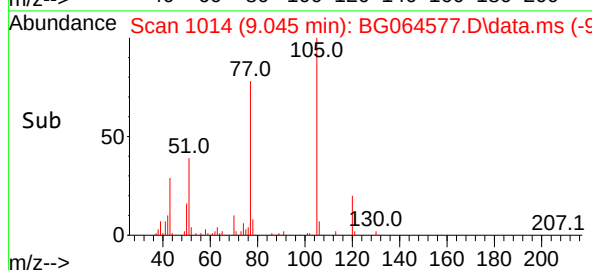
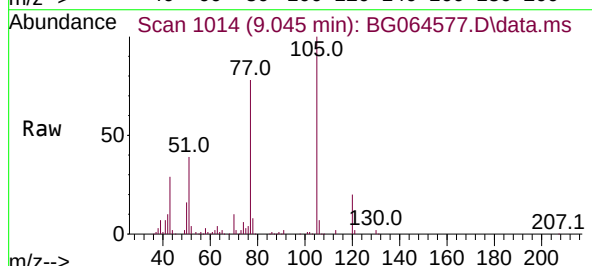
Ion Ratio Lower Upper

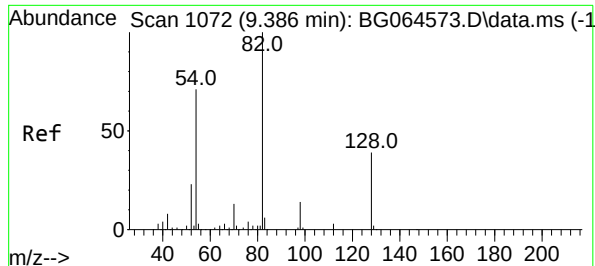
105 100

71 1.7 1.5 2.3

51 39.4 33.7 50.5

120 19.7 16.1 24.1





#23

Nitrobenzene-d5

Concen: 76.738 ng

RT: 9.386 min Scan# 1072

Delta R.T. -0.005 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Tgt Ion: 82 Resp: 200749

Ion Ratio Lower Upper

82 100

128 39.4 31.3 46.9

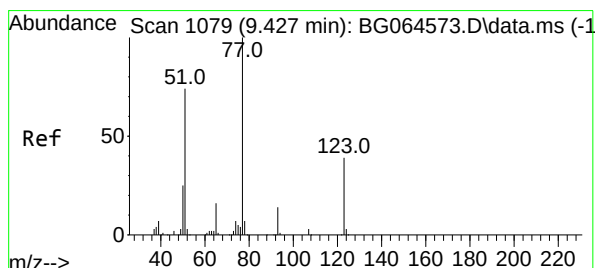
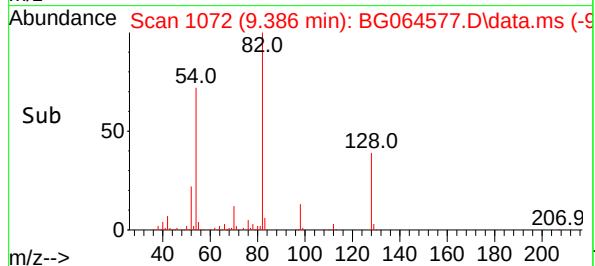
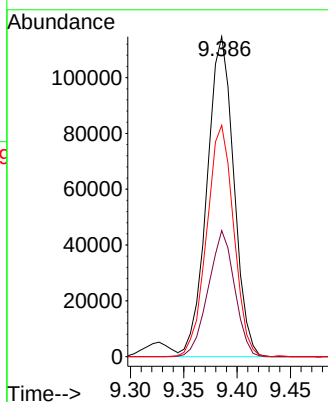
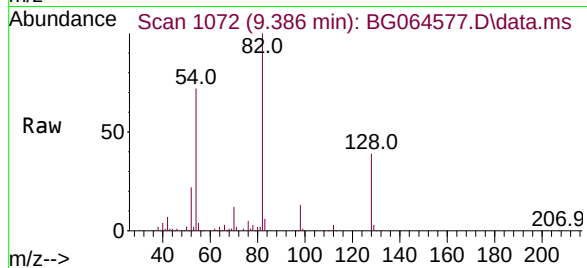
54 72.3 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 39.305 ng

RT: 9.427 min Scan# 1079

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

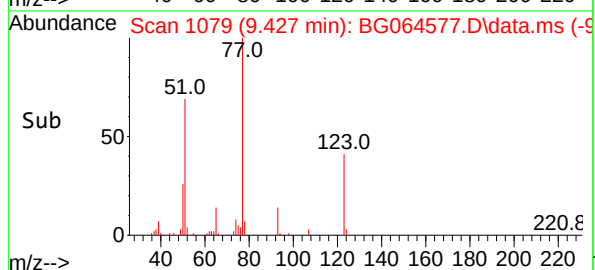
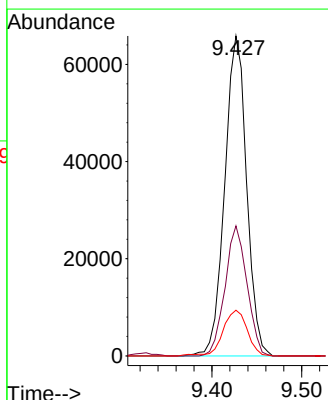
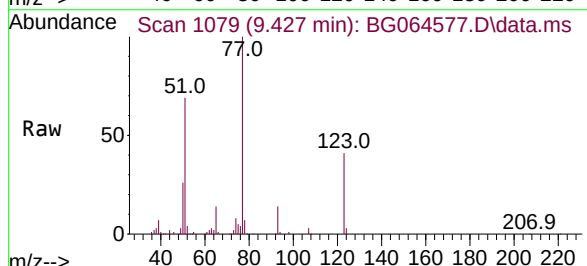
Tgt Ion: 77 Resp: 111836

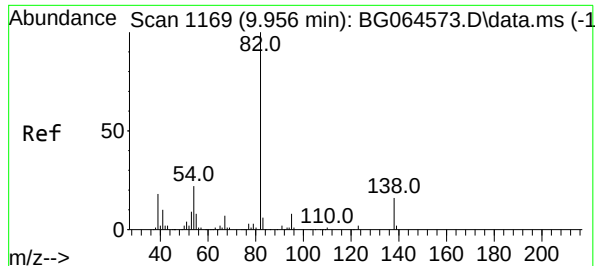
Ion Ratio Lower Upper

77 100

123 40.6 31.0 46.6

65 14.3 12.7 19.1





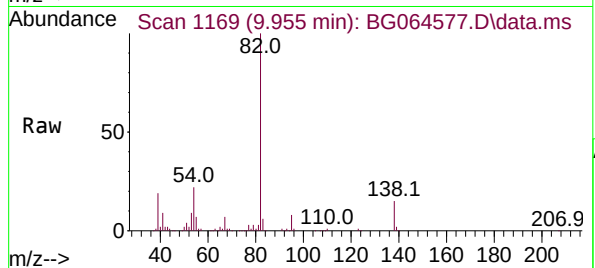
#25
Isophorone
Concen: 37.733 ng
RT: 9.955 min Scan# 1169
Delta R.T. -0.011 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

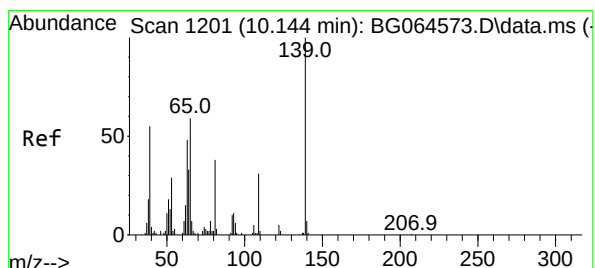
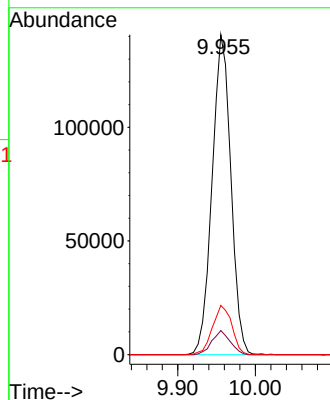
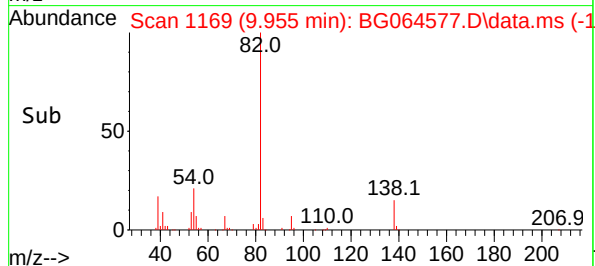


Tgt Ion: 82 Resp: 236860
Ion Ratio Lower Upper
82 100
95 7.5 6.1 9.1
138 15.4 13.0 19.4

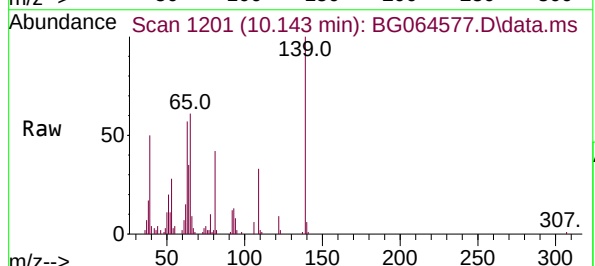
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Reviewed By :Rahul Chavli 10/27/2025

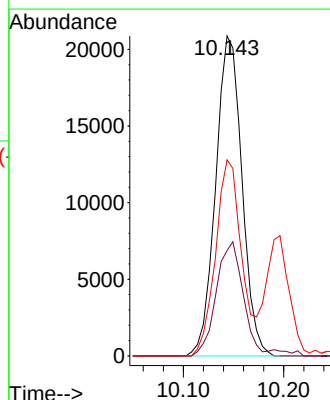
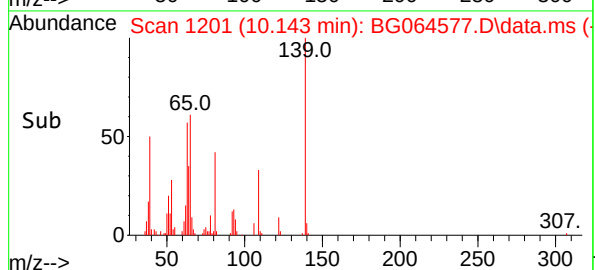
Supervised By :Jagrut Upadhyay 10/27/2025

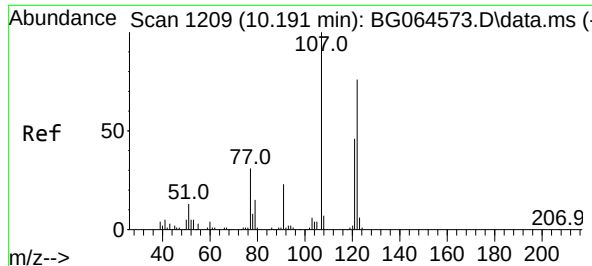


#26
2-Nitrophenol
Concen: 35.498 ng
RT: 10.143 min Scan# 1201
Delta R.T. -0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



Tgt Ion:139 Resp: 38013
Ion Ratio Lower Upper
139 100
109 32.9 24.6 37.0
65 61.3 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 41.336 ng m

RT: 10.196 min Scan# 1209

Delta R.T. 0.002 min

Lab File: BG064577.D

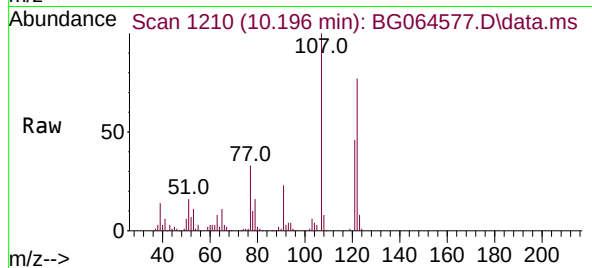
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425



Tgt Ion:122 Resp: 98450

Ion Ratio Lower Upper

122 100

107 130.3 103.0 154.4

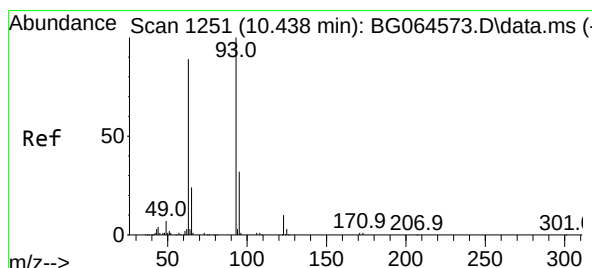
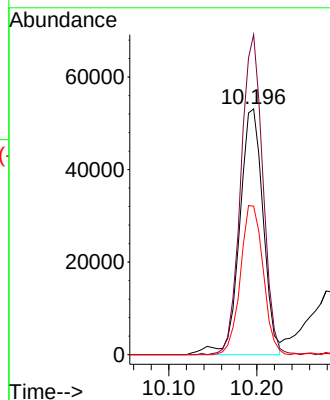
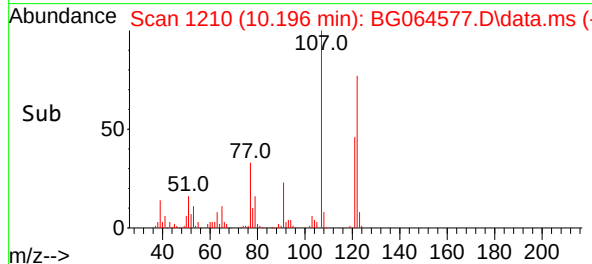
121 60.4 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#28

bis(2-Chloroethoxy)methane

Concen: 36.953 ng

RT: 10.437 min Scan# 1251

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

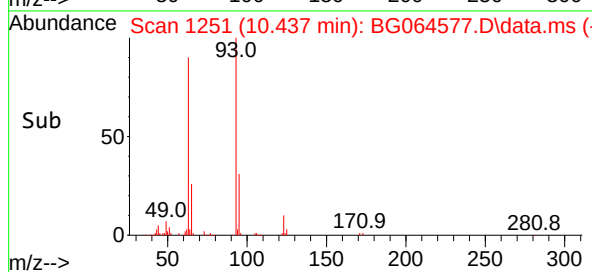
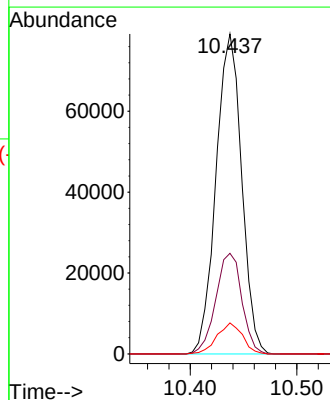
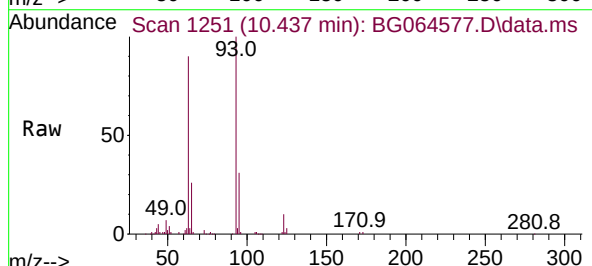
Tgt Ion: 93 Resp: 132072

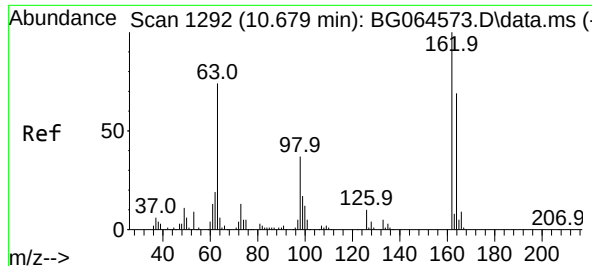
Ion Ratio Lower Upper

93 100

95 31.4 25.4 38.2

123 9.7 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 38.190 ng

RT: 10.684 min Scan# 1292

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

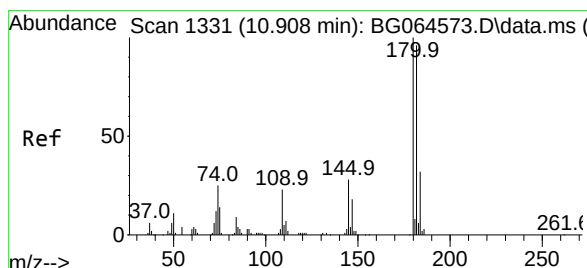
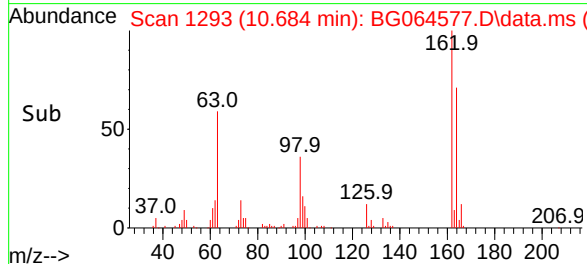
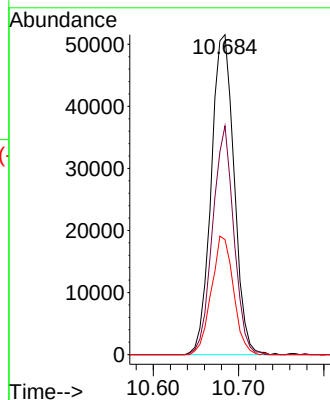
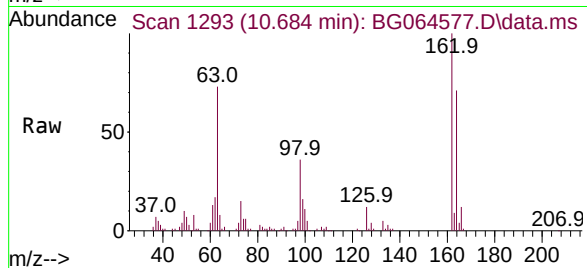
Tgt Ion:162	Resp:	9596
Ion Ratio	Lower	Upper
162	100	
164	71.5	48.7 88.7
98	35.9	16.9 56.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 37.945 ng

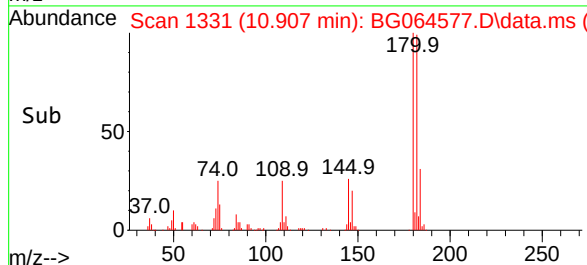
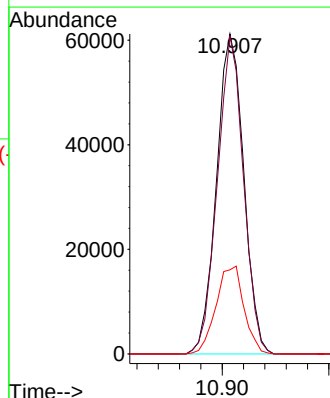
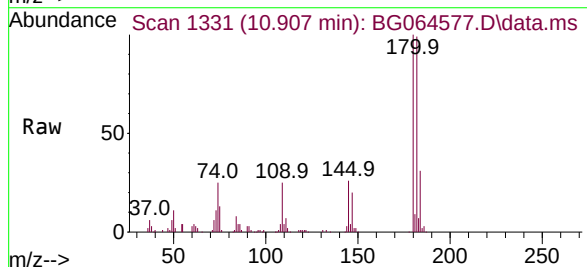
RT: 10.907 min Scan# 1331

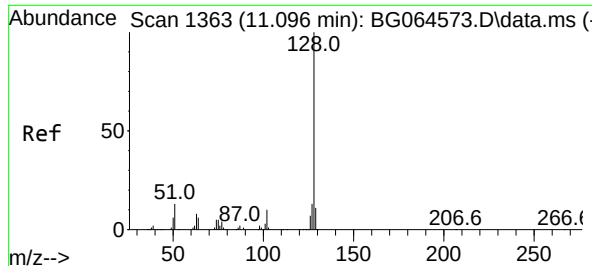
Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

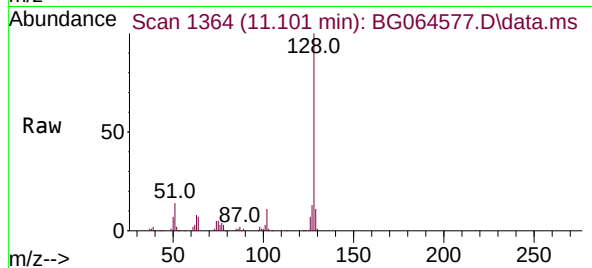
Tgt Ion:180	Resp:	108339
Ion Ratio	Lower	Upper
180	100	
182	99.3	76.9 115.3
145	26.3	22.1 33.1





#31
Naphthalene
Concen: 35.709 ng
RT: 11.101 min Scan# 1363
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

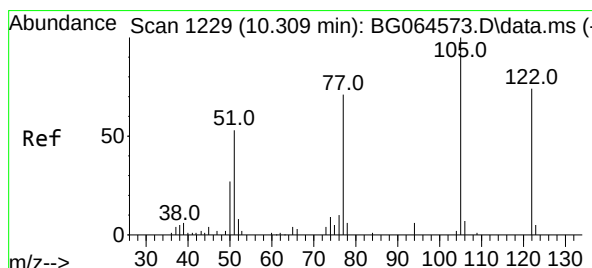
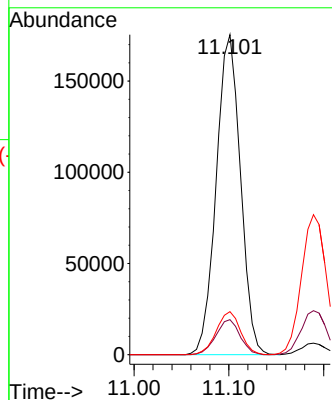
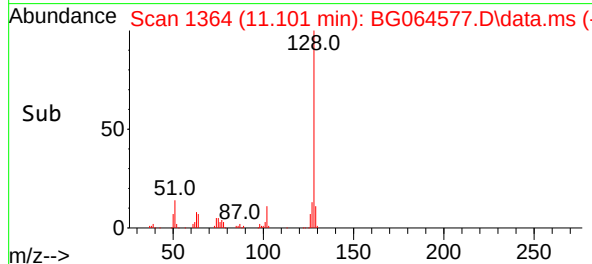
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:128 Resp: 311084
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.4 10.6 15.8

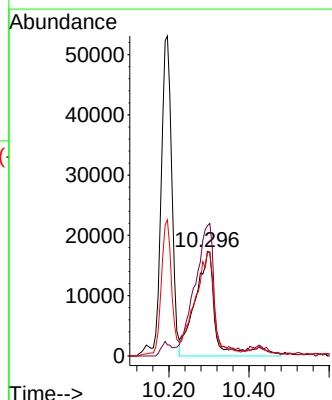
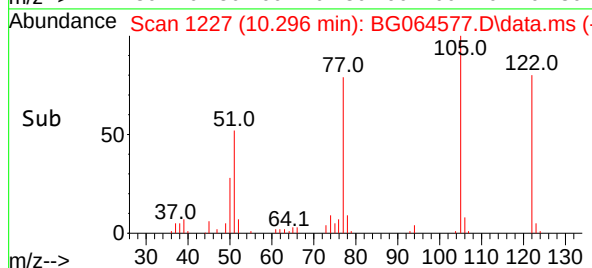
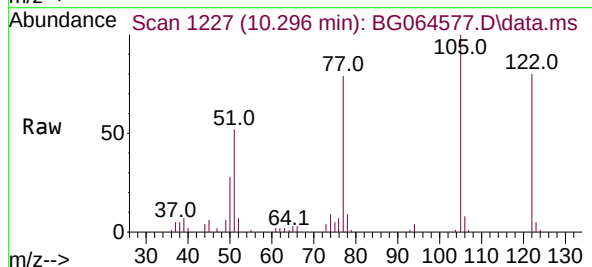
Manual Integrations
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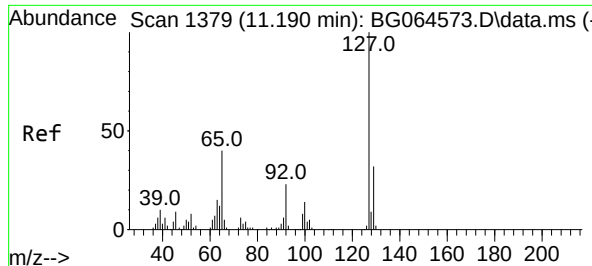
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 37.924 ng m
RT: 10.296 min Scan# 1227
Delta R.T. -0.046 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:122 Resp: 62191
Ion Ratio Lower Upper
122 100
105 124.6 104.2 144.2
77 98.8 70.2 110.2





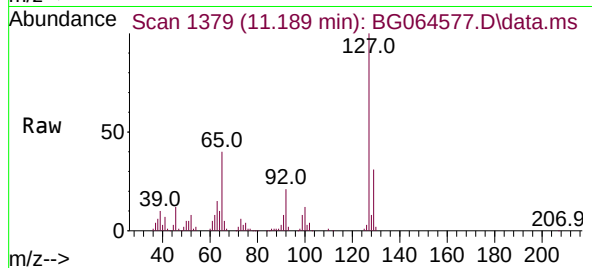
#33
4-Chloroaniline
Concen: 41.287 ng
RT: 11.189 min Scan# 1379
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

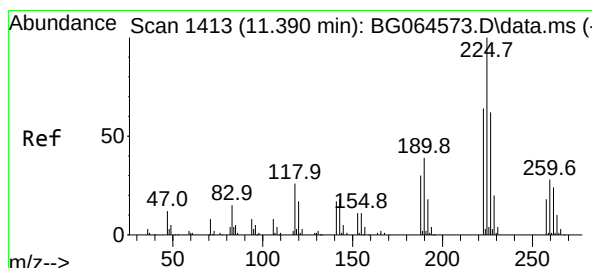
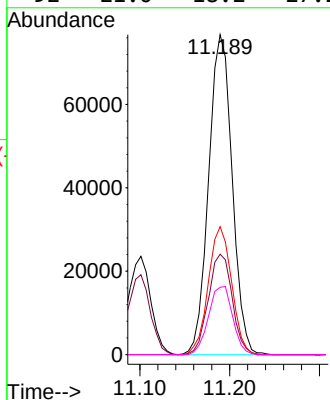
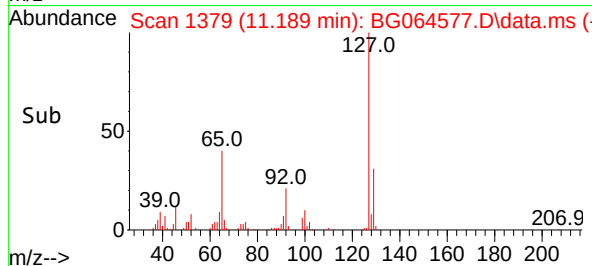


Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.5	38.3
65	40.0	32.2	48.4
92	21.0	18.2	27.2

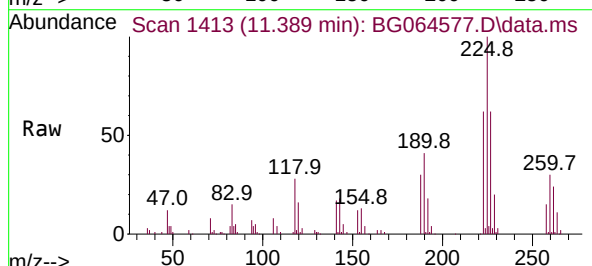
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Reviewed By :Rahul Chavli 10/27/2025

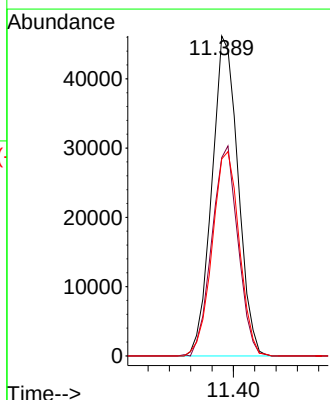
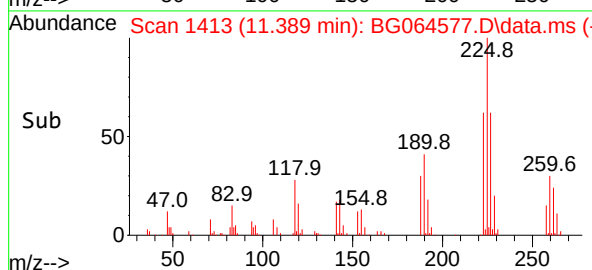
Supervised By :Jagrut Upadhyay 10/27/2025

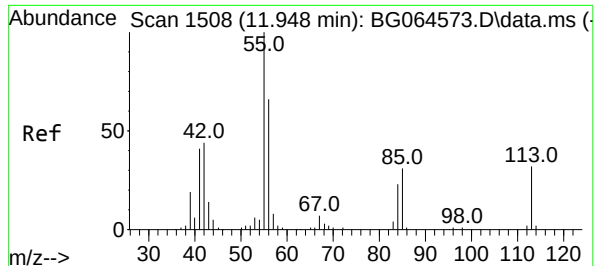


#34
Hexachlorobutadiene
Concen: 35.242 ng
RT: 11.389 min Scan# 1413
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	48.8	73.2
227	59.3	49.5	74.3





#35
Caprolactam
Concen: 36.326 ng
RT: 11.941 min Scan# 1508
Delta R.T. -0.034 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

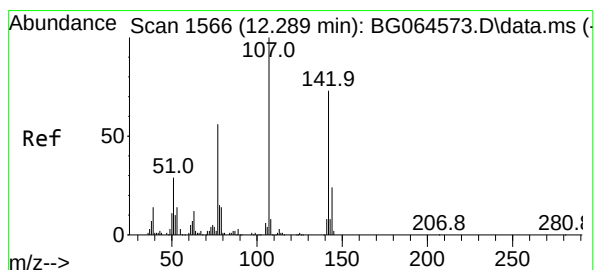
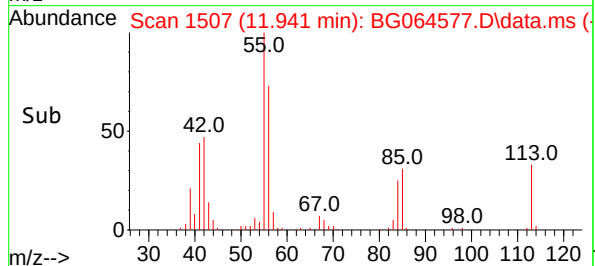
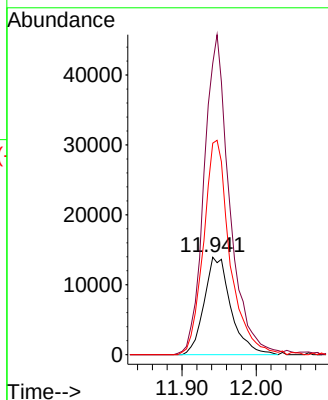
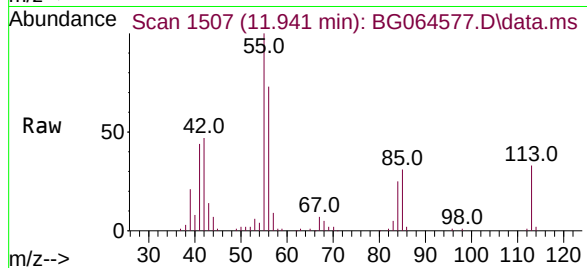
ClientSampleId :

ICVBG102425

Tgt Ion	Ratio	Lower	Upper
113	100		
55	299.0	290.1	330.1
56	217.0	183.8	223.8

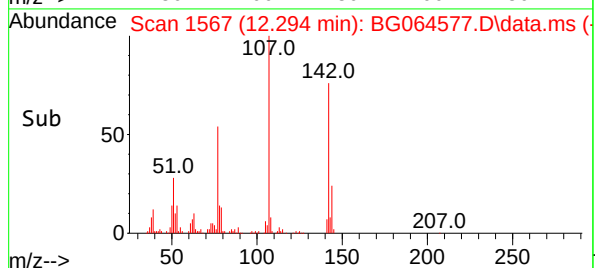
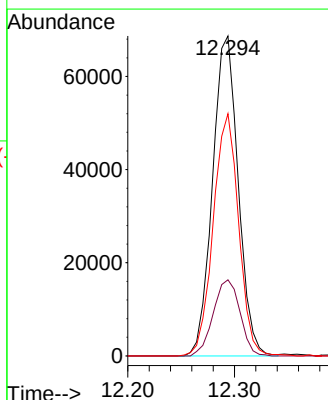
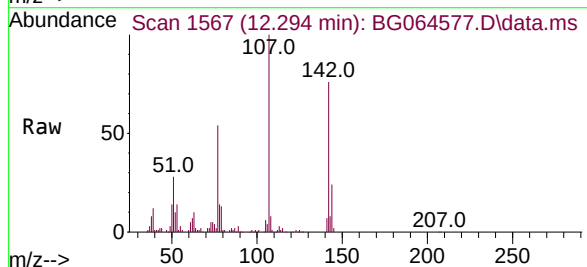
Manual Integrations
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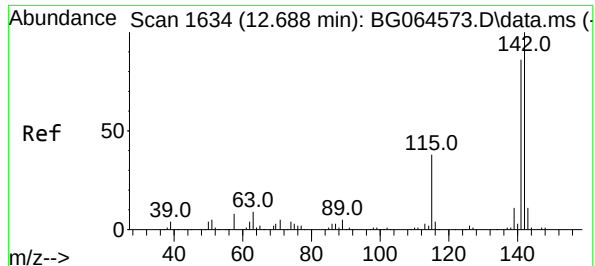
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#36
4-Chloro-3-methylphenol
Concen: 38.049 ng
RT: 12.294 min Scan# 1567
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

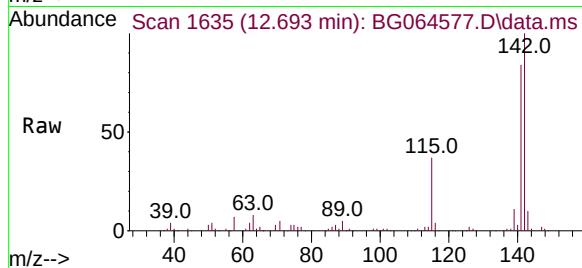
Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.1	28.7
142	75.7	58.6	87.8





#37
2-Methylnaphthalene
Concen: 33.388 ng
RT: 12.693 min Scan# 1635
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

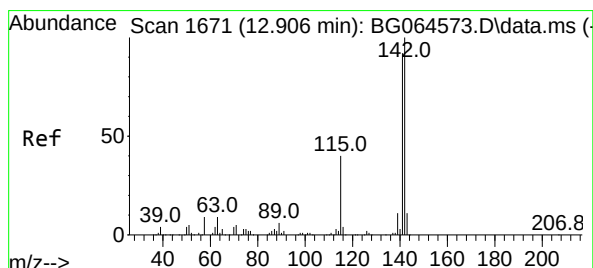
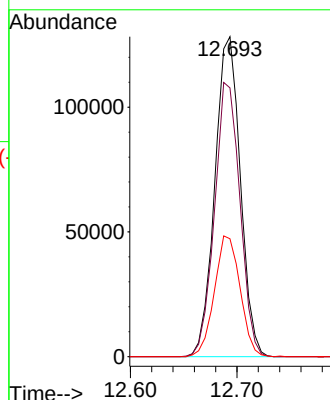
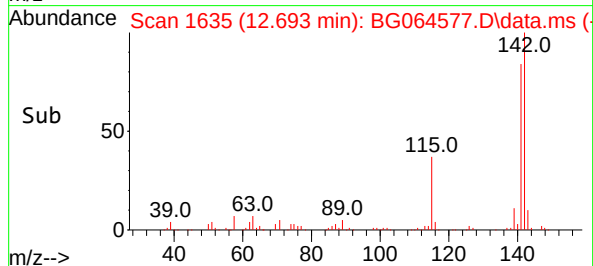
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



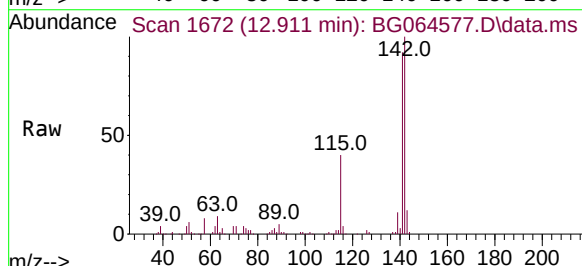
Tgt Ion:142 Resp: 213545
Ion Ratio Lower Upper
142 100
141 84.0 68.9 103.3
115 36.8 30.6 46.0

Manual Integrations
APPROVED

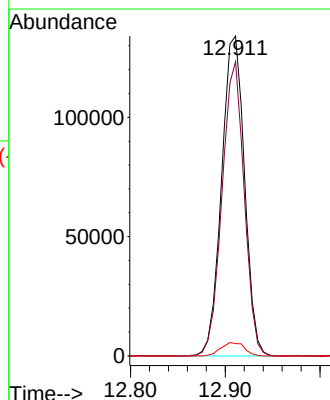
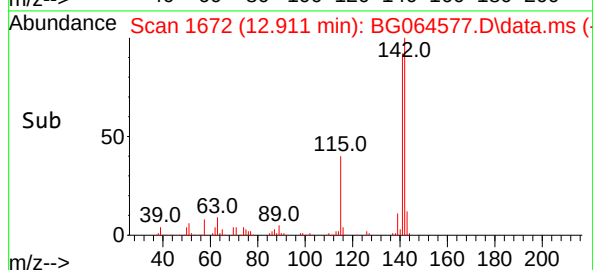
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

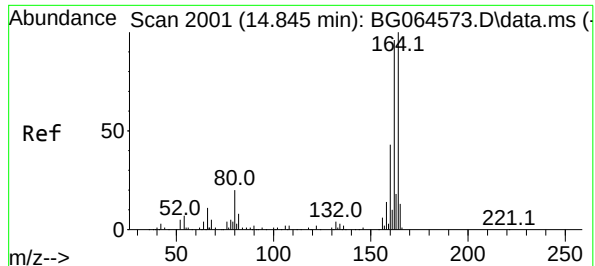


#38
1-Methylnaphthalene
Concen: 35.729 ng
RT: 12.911 min Scan# 1672
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



Tgt Ion:142 Resp: 224857
Ion Ratio Lower Upper
142 100
141 91.9 73.3 109.9
116 3.8 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.844 min Scan# 2001

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Tgt Ion:164 Resp: 124202

Ion Ratio Lower Upper

164 100

162 97.8 77.0 115.6

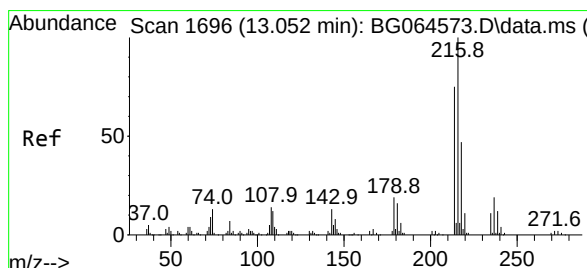
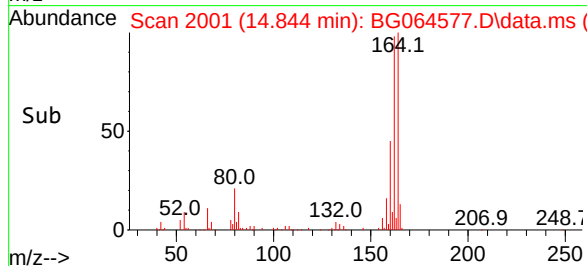
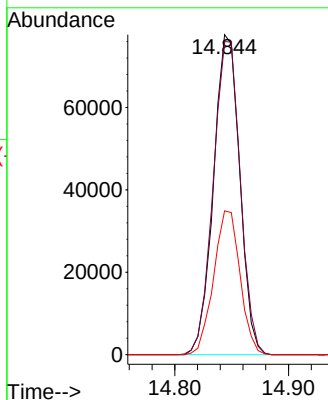
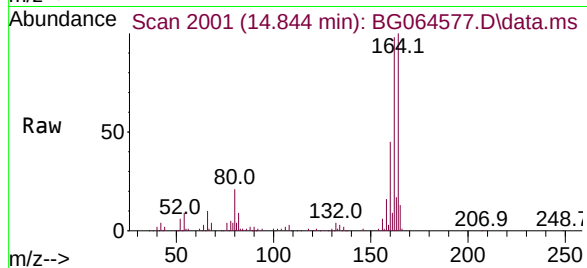
160 44.9 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.146 ng

RT: 13.052 min Scan# 1696

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Tgt Ion:216 Resp: 154838

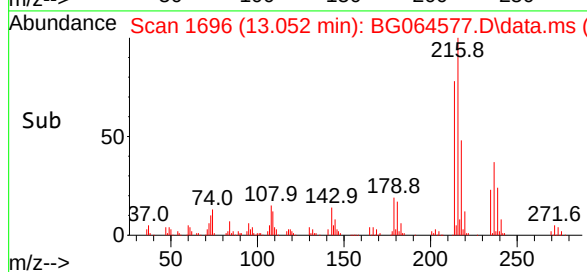
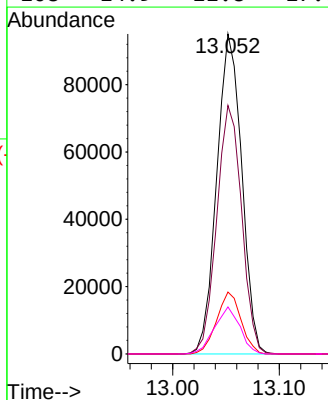
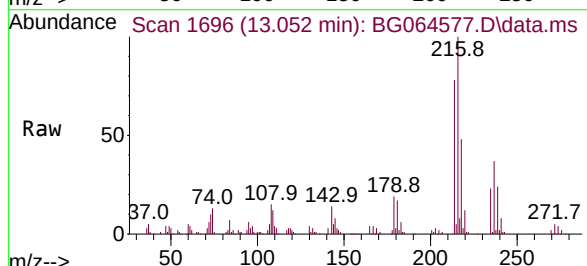
Ion Ratio Lower Upper

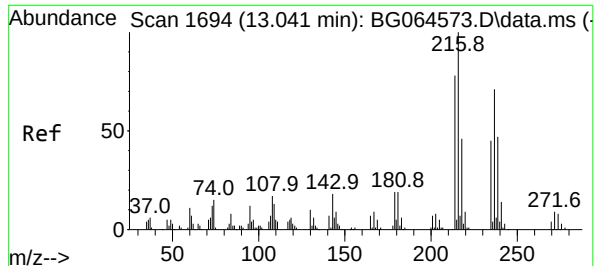
216 100

214 77.4 61.4 92.2

179 18.9 15.4 23.0

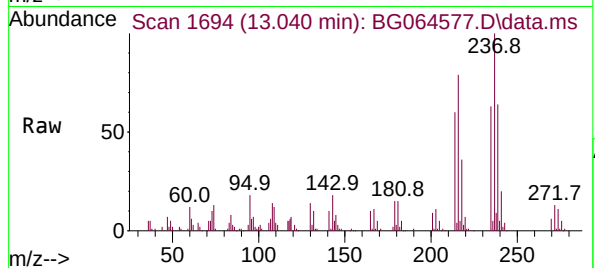
108 14.9 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 50.669 ng
RT: 13.040 min Scan# 1694
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

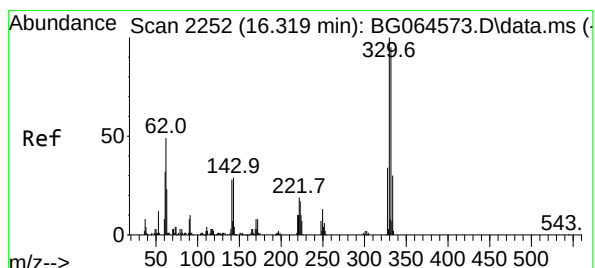
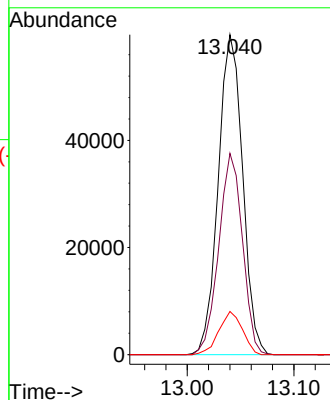
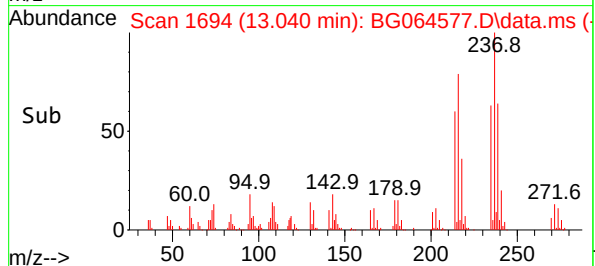
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:237 Resp: 95065
Ion Ratio Lower Upper
237 100
235 62.9 44.1 84.1
272 13.5 0.0 32.4

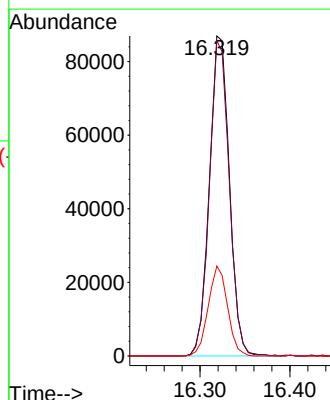
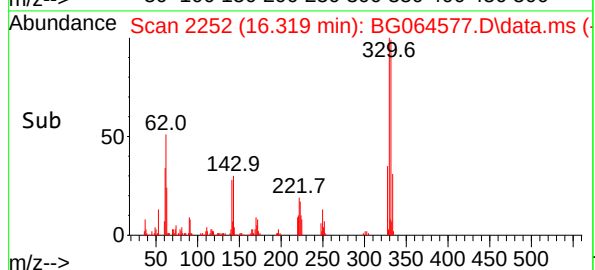
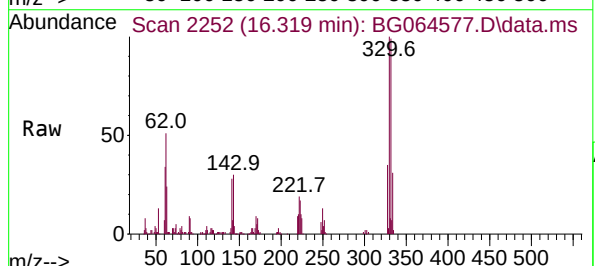
Manual Integrations
APPROVED

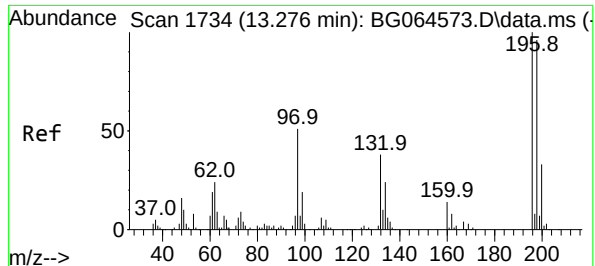
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#42
2,4,6-Tribromophenol
Concen: 75.074 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:330 Resp: 134578
Ion Ratio Lower Upper
330 100
332 97.4 78.0 117.0
141 27.0 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 38.726 ng

RT: 13.281 min Scan# 1735

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

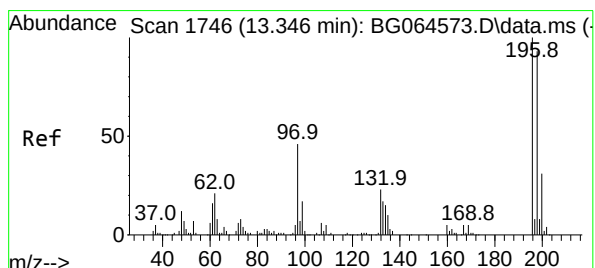
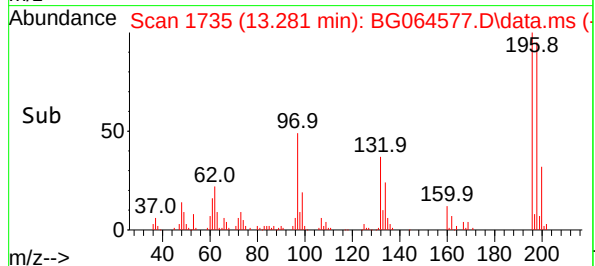
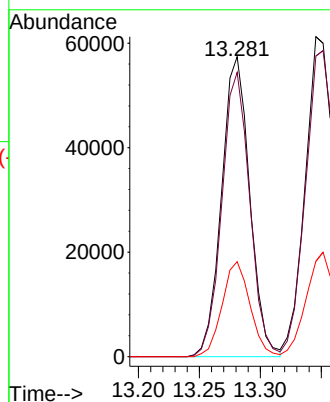
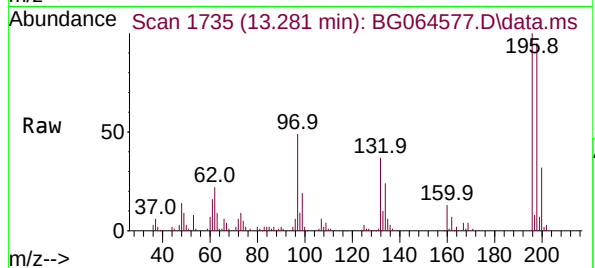
Tgt Ion:196	Resp:	92335
Ion Ratio	Lower	Upper
196	100	
198	94.8	76.6 115.0
200	31.7	26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

Concen: 37.228 ng

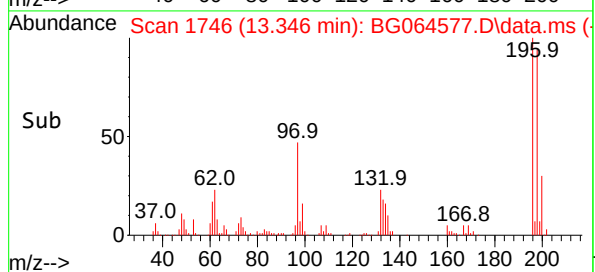
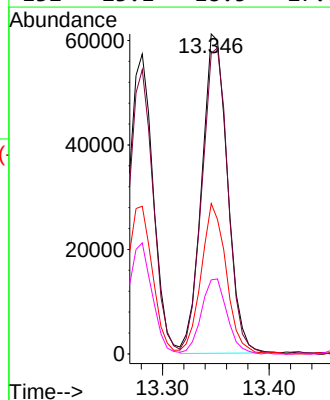
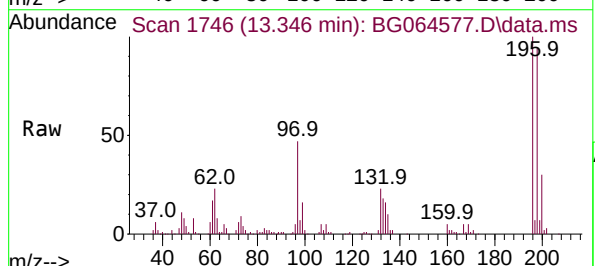
RT: 13.346 min Scan# 1746

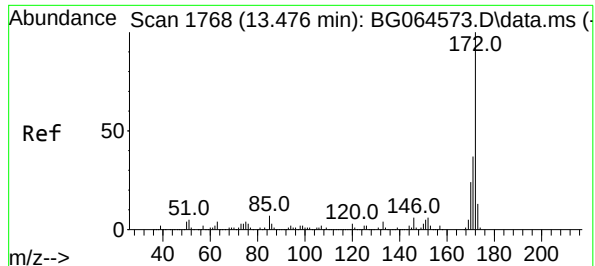
Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Tgt Ion:196	Resp:	102433
Ion Ratio	Lower	Upper
196	100	
198	93.9	74.2 111.4
97	47.0	37.0 55.6
132	23.1	18.5 27.7





#45

2-Fluorobiphenyl

Concen: 72.599 ng

RT: 13.475 min Scan# 1768

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

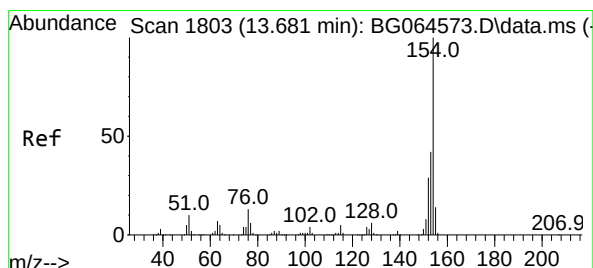
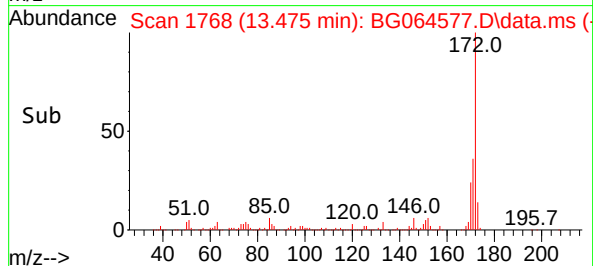
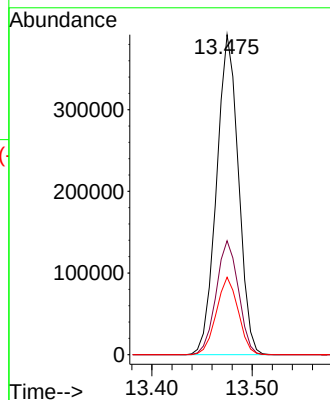
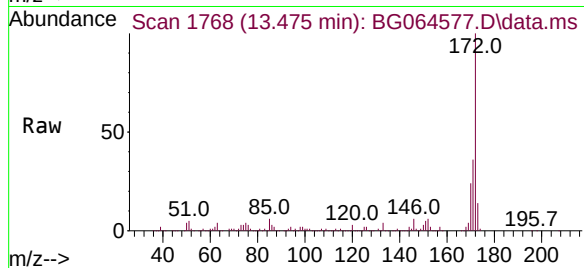
ICVBG102425

Tgt Ion:	172	Resp:	59488
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.4	44.0
170	24.2	19.1	28.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#46

1,1'-Biphenyl

Concen: 37.331 ng

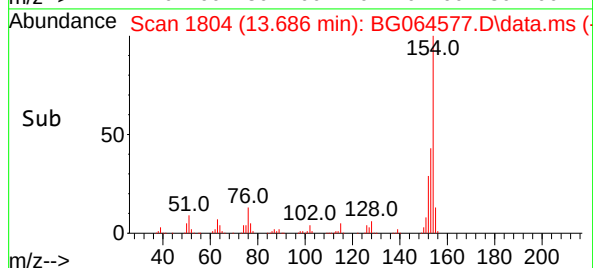
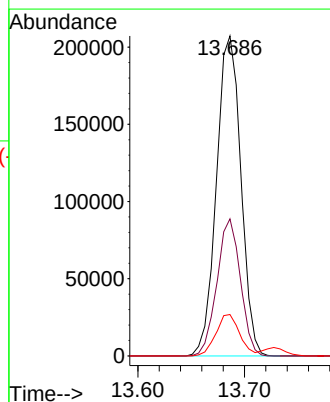
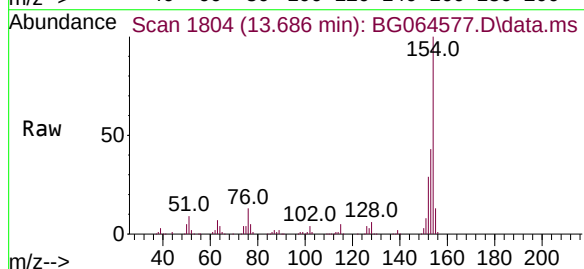
RT: 13.686 min Scan# 1804

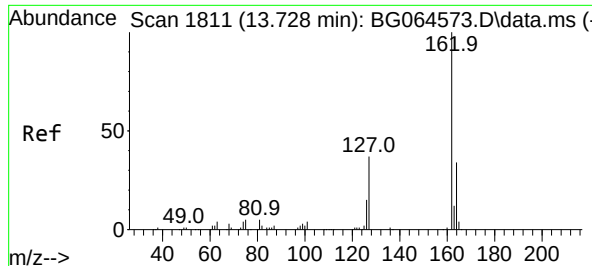
Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Tgt Ion:	154	Resp:	329629
Ion Ratio	Lower	Upper	
154	100		
153	42.8	22.4	62.4
76	12.9	0.0	33.5





#47

2-Chloronaphthalene

Concen: 36.205 ng

RT: 13.727 min Scan# 1811

Delta R.T. -0.004 min

Lab File: BG064577.D

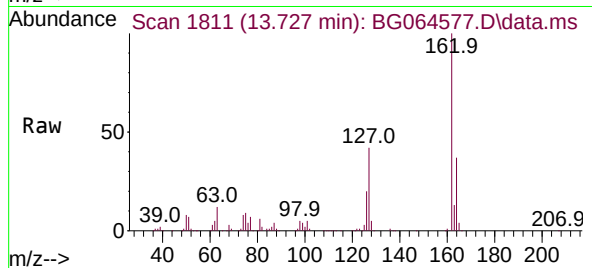
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

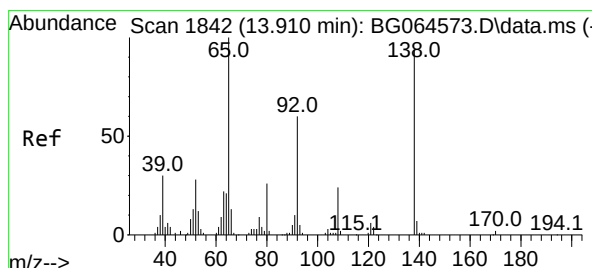
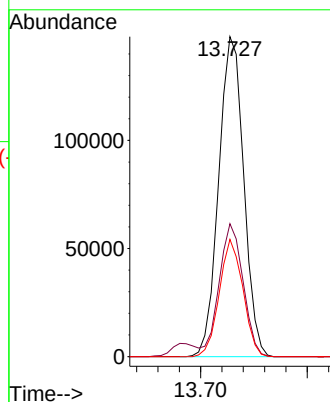
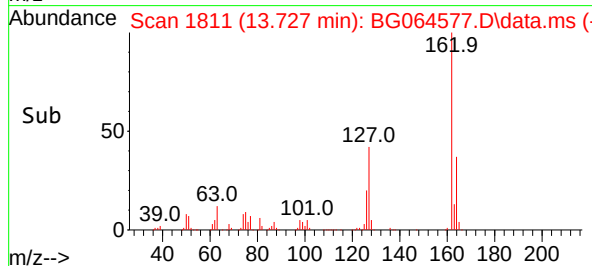


Tgt Ion:	162	Resp:	24131
Ion Ratio	Lower	Upper	
162	100		
127	41.5	32.2	48.2
164	36.6	27.5	41.3

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#48

2-Nitroaniline

Concen: 36.129 ng

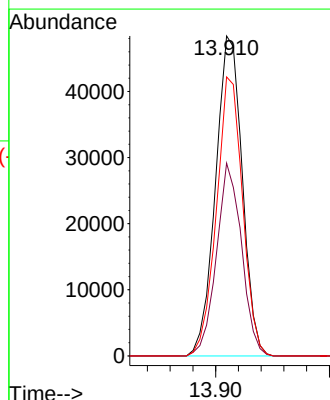
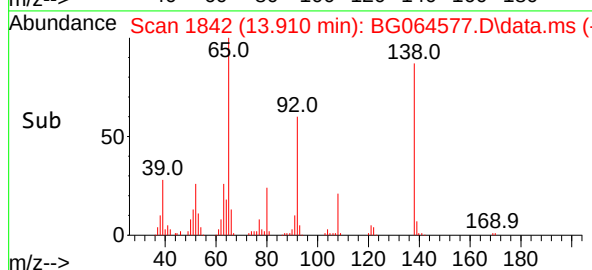
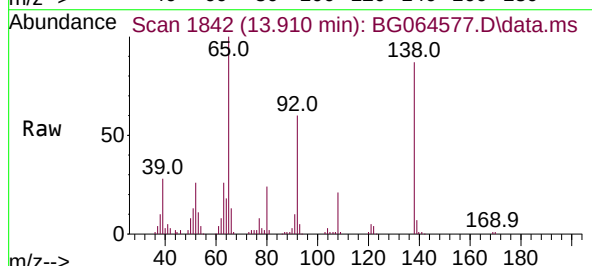
RT: 13.910 min Scan# 1842

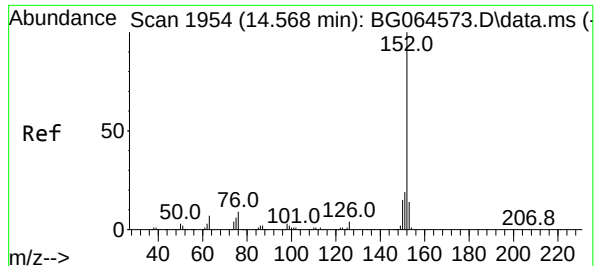
Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Tgt Ion:	65	Resp:	78927
Ion Ratio	Lower	Upper	
65	100		
92	60.2	48.3	72.5
138	87.2	74.9	112.3





#49

Acenaphthylene

Concen: 41.457 ng

RT: 14.568 min Scan# 1954

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Tgt Ion:152 Resp: 435836

Ion Ratio Lower Upper

152 100

151 20.5 15.4 23.2

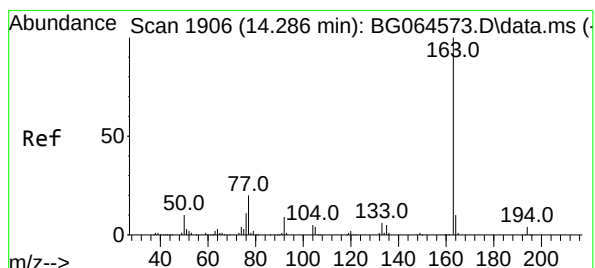
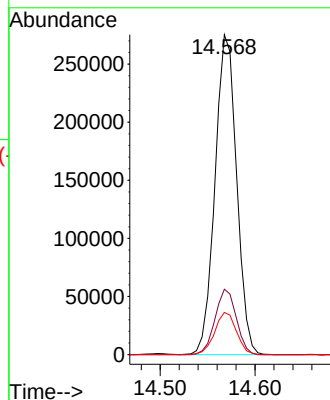
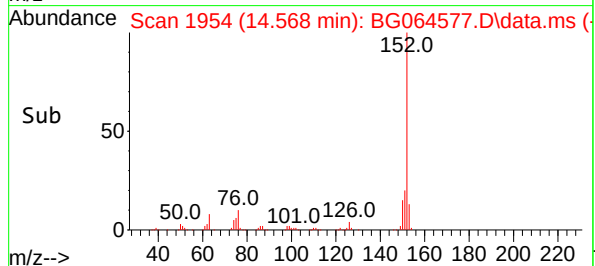
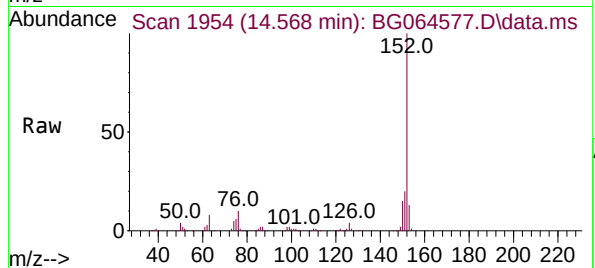
153 13.2 11.0 16.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 36.890 ng

RT: 14.292 min Scan# 1907

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

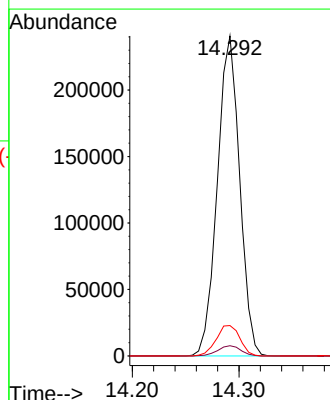
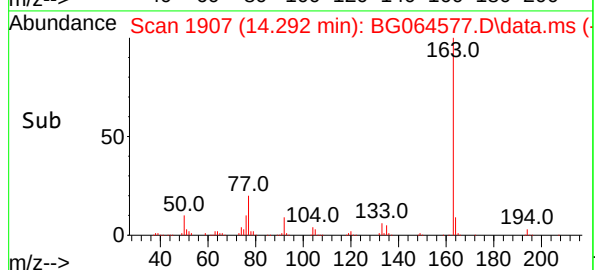
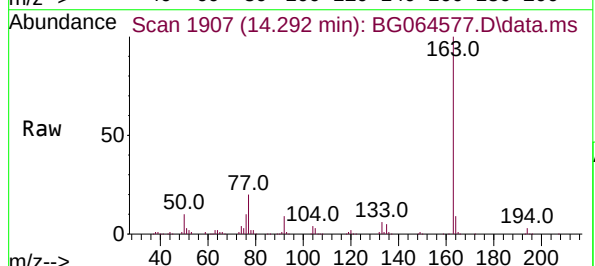
Tgt Ion:163 Resp: 350600

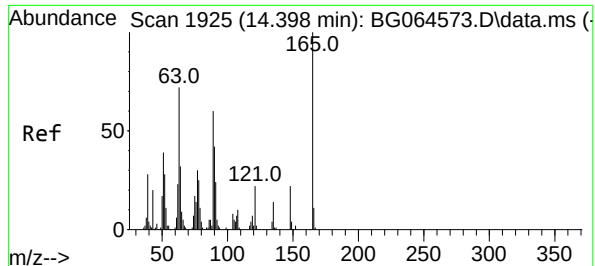
Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

164 9.5 7.7 11.5





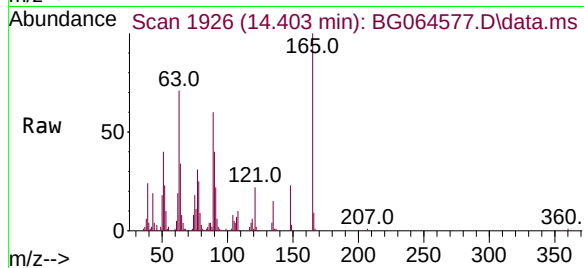
#51
2,6-Dinitrotoluene
Concen: 39.971 ng
RT: 14.403 min Scan# 1925
Delta R.T. 0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

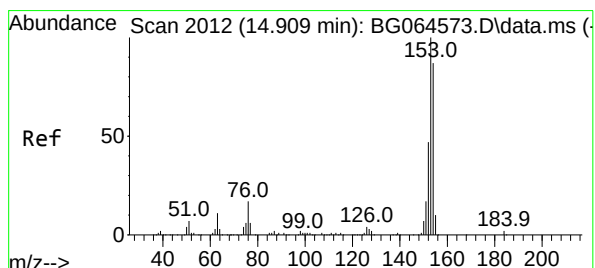
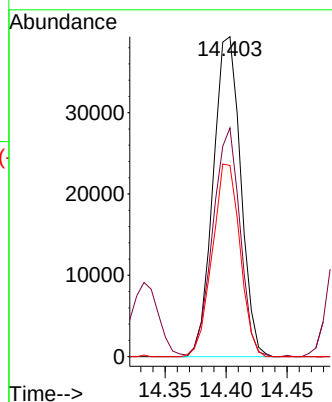
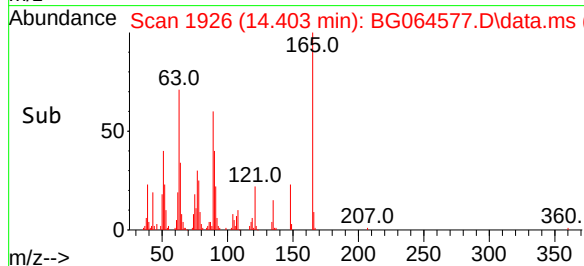
ICVBG102425



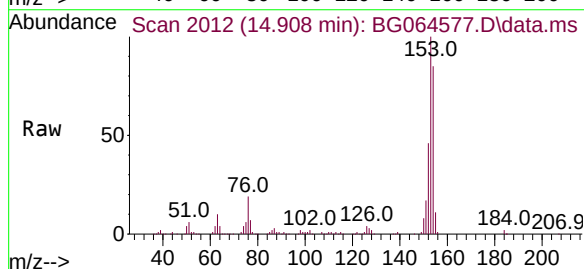
Tgt Ion:165 Resp: 61784
Ion Ratio Lower Upper
165 100
63 71.5 57.4 86.0
89 59.7 47.8 71.8

Manual Integrations
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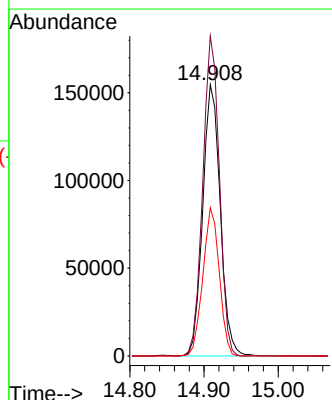
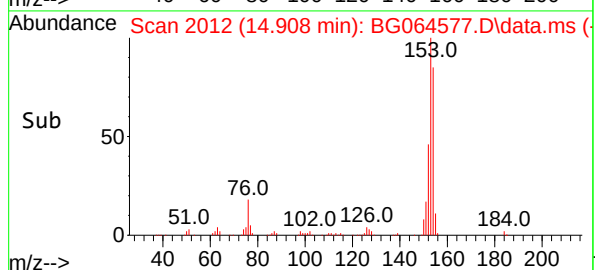
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

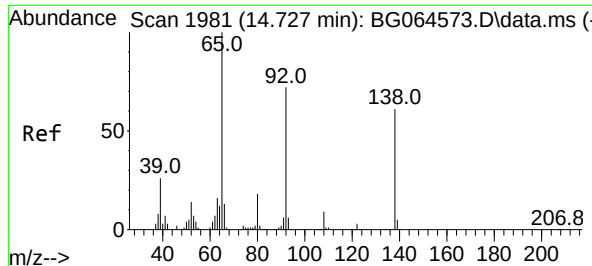


#52
Acenaphthene
Concen: 35.340 ng
RT: 14.908 min Scan# 2012
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



Tgt Ion:154 Resp: 253833
Ion Ratio Lower Upper
154 100
153 118.0 92.2 138.4
152 54.6 43.2 64.8





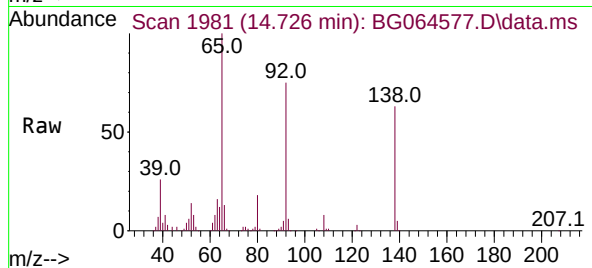
#53
3-Nitroaniline
Concen: 42.080 ng
RT: 14.726 min Scan# 1981
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

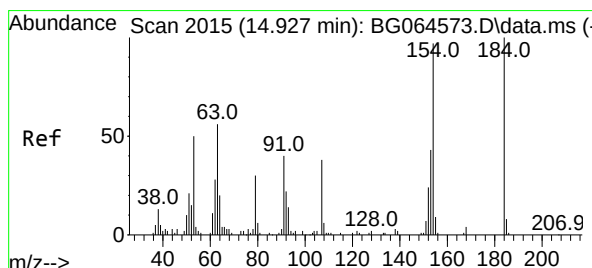
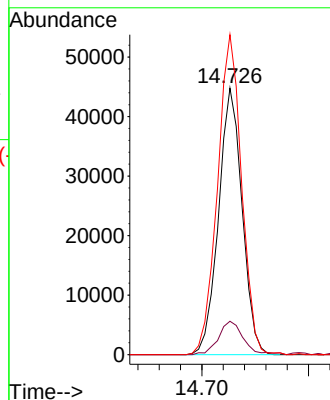
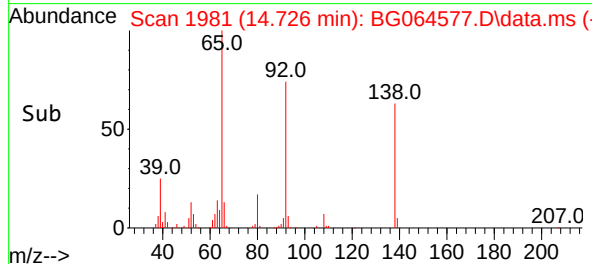
ICVBG102425



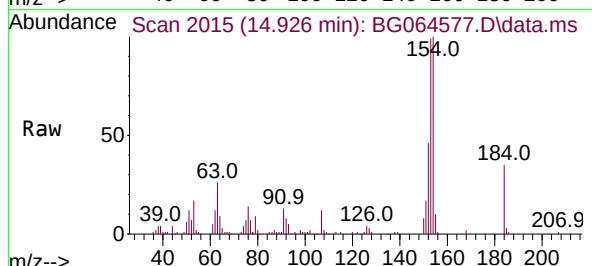
Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.5	11.4	17.0
92	120.1	95.3	142.9

Manual Integrations
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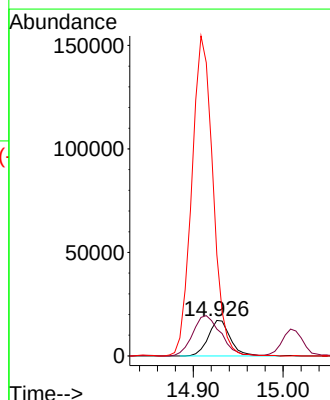
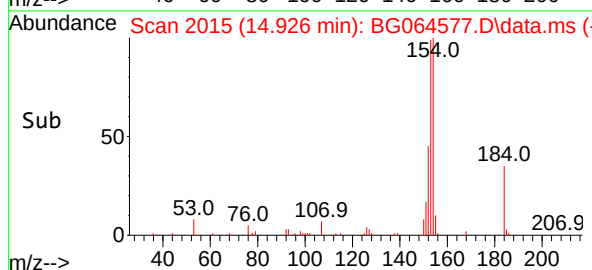
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

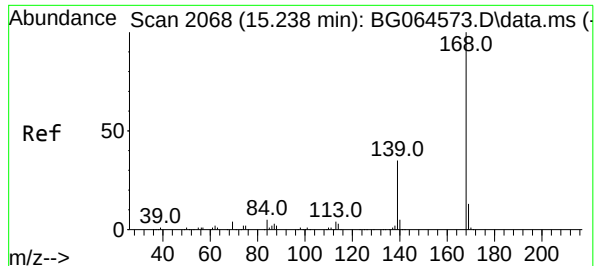


#54
2,4-Dinitrophenol
Concen: 33.991 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



Tgt Ion	Ratio	Lower	Upper
184	100		
63	75.8	56.6	85.0
154	285.9	158.6	238.0





#55

Dibenzenofuran

Concen: 36.096 ng

RT: 15.237 min Scan# 2068

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

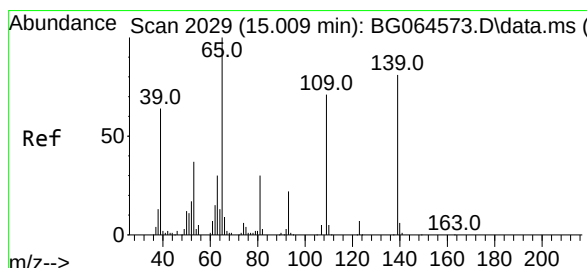
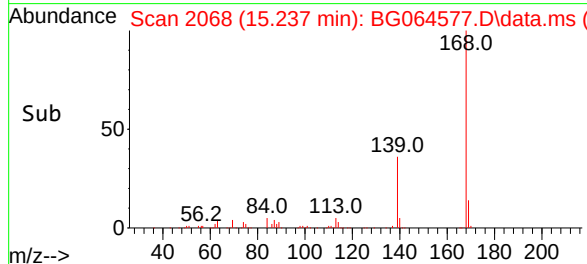
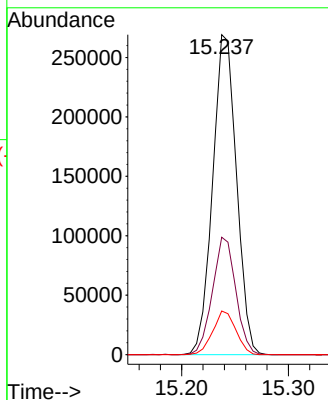
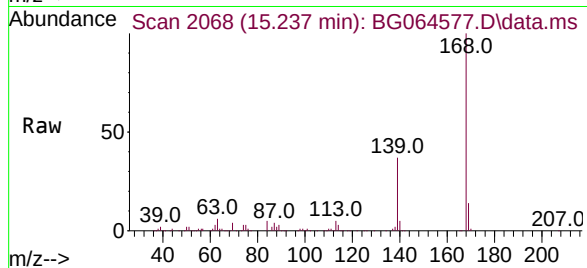
ICVBG102425

Tgt Ion:168	Resp:	419154
Ion Ratio	Lower	Upper
168	100	
139	36.7	27.8 41.8
169	13.6	10.3 15.5

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#56

4-Nitrophenol

Concen: 33.818 ng

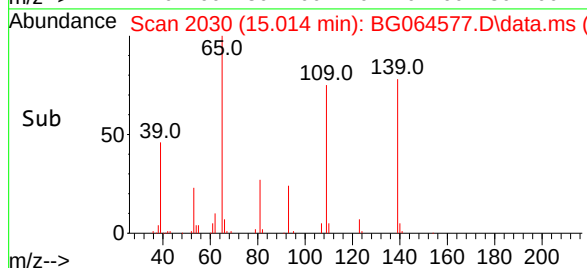
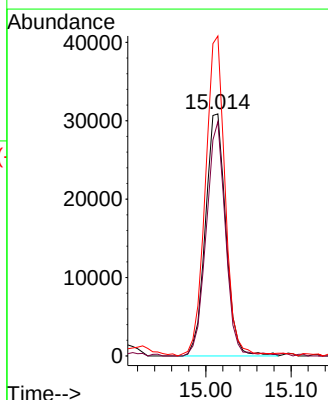
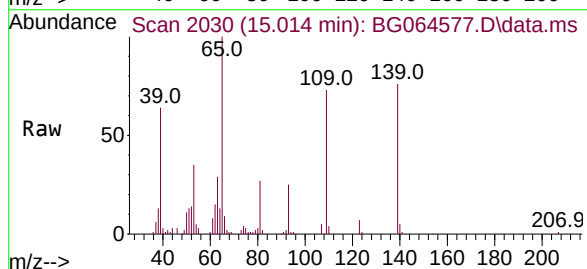
RT: 15.014 min Scan# 2030

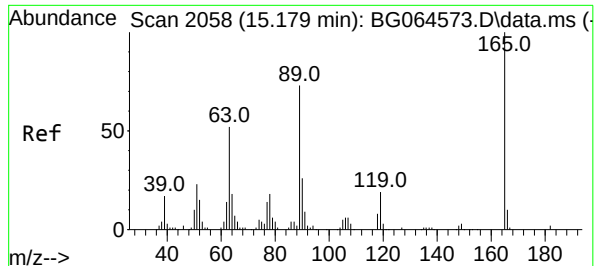
Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

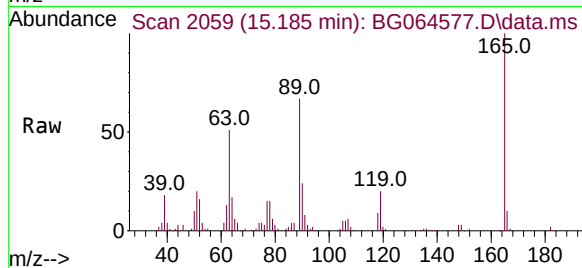
Tgt Ion:139	Resp:	51210
Ion Ratio	Lower	Upper
139	100	
109	96.8	67.8 107.8
65	132.2	103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 35.957 ng
RT: 15.185 min Scan# 2058
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

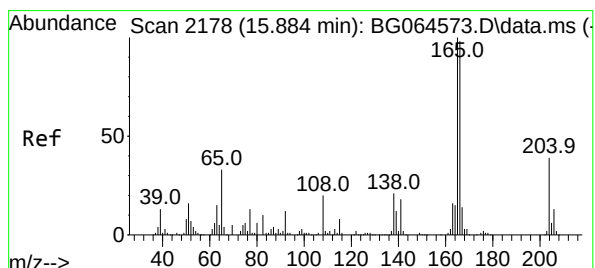
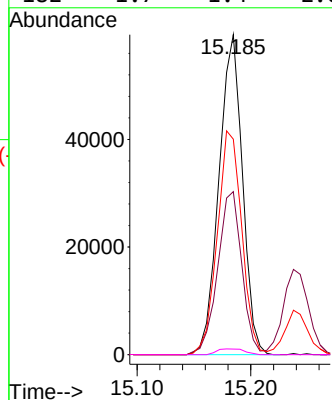
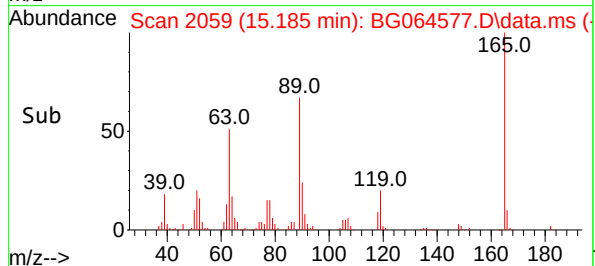
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:165 Resp: 85201
Ion Ratio Lower Upper
165 100
63 50.9 41.8 62.8
89 67.3 58.1 87.1
182 1.7 1.4 2.0

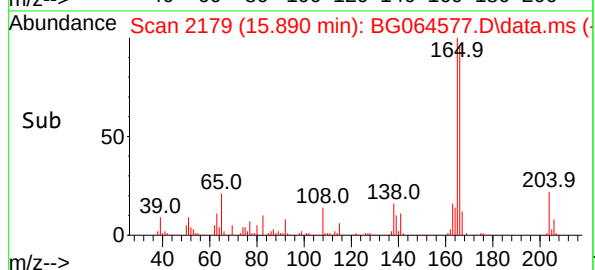
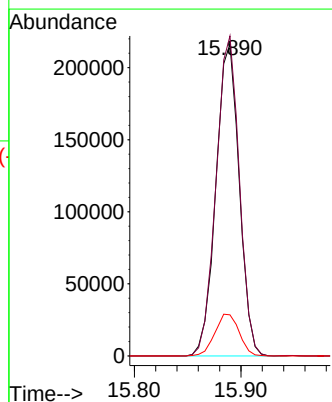
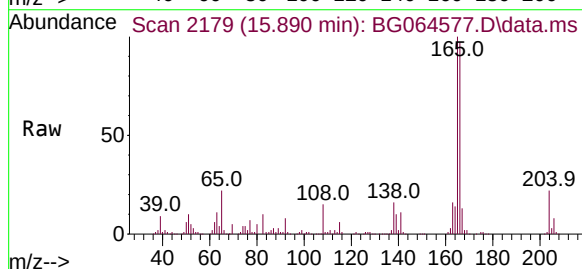
Manual Integrations
APPROVED

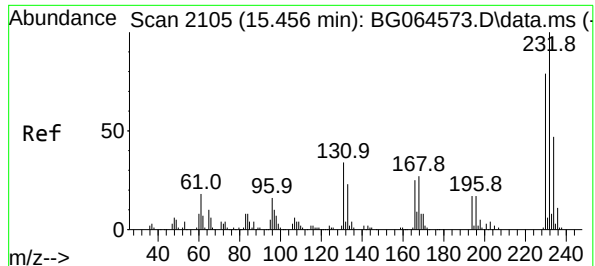
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#58
Fluorene
Concen: 36.238 ng
RT: 15.890 min Scan# 2179
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:166 Resp: 328636
Ion Ratio Lower Upper
166 100
165 102.6 81.5 122.3
167 13.1 11.4 17.0





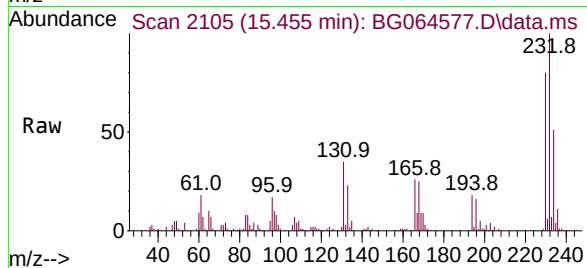
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.525 ng
RT: 15.455 min Scan# 2105
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425



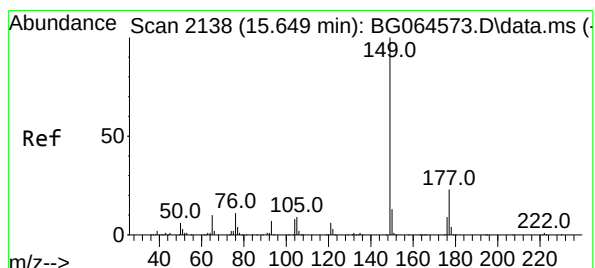
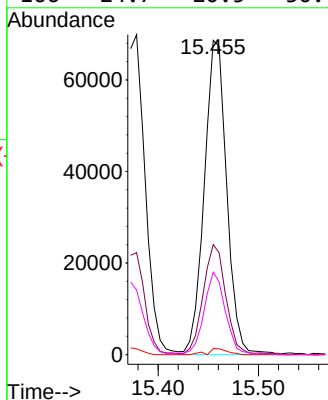
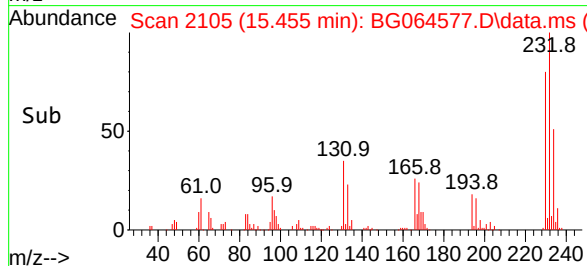
Tgt Ion:232 Resp: 106626
Ion Ratio Lower Upper
232 100
131 35.6 26.7 40.1
130 1.7 1.6 2.4
166 24.7 20.5 30.7

Manual Integrations

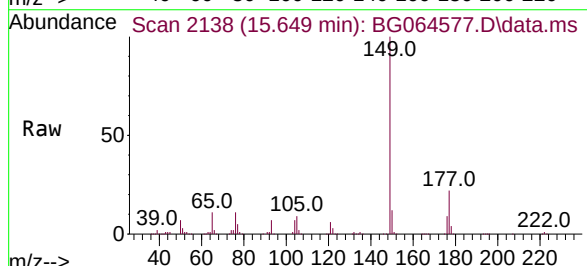
APPROVED

Reviewed By :Rahul Chavli 10/27/2025

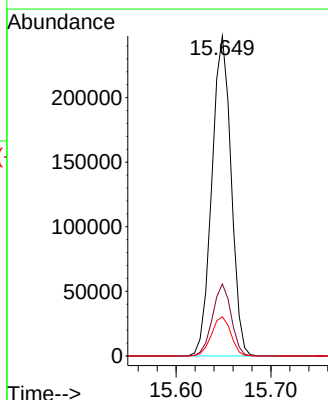
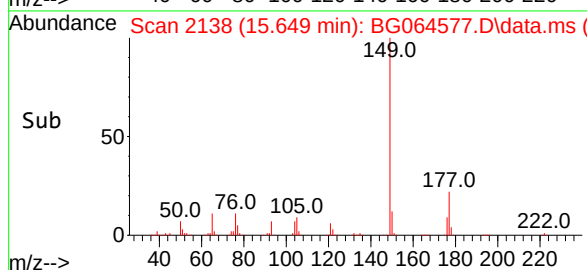
Supervised By :Jagrut Upadhyay 10/27/2025

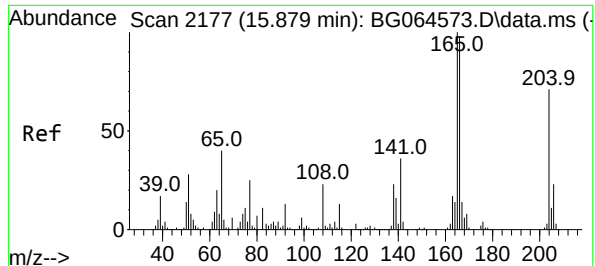


#60
Diethylphthalate
Concen: 35.961 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



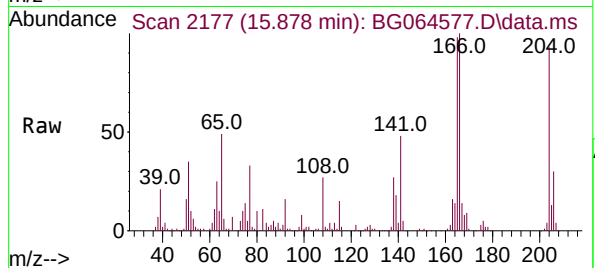
Tgt Ion:149 Resp: 348964
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 12.2 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 35.902 ng
RT: 15.878 min Scan# 2177
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

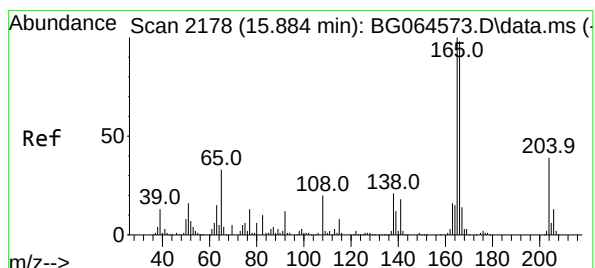
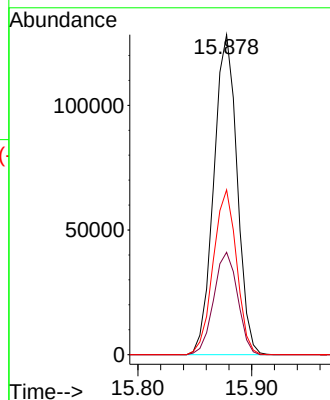
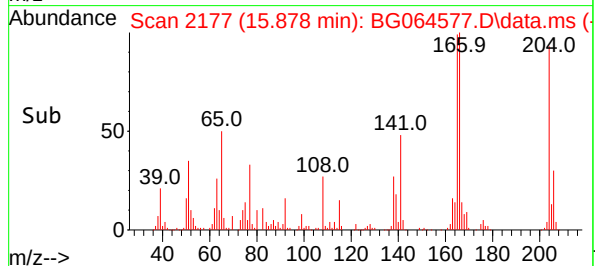
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:204 Resp: 182714
Ion Ratio Lower Upper
204 100
206 32.0 25.6 38.4
141 51.5 40.6 60.8

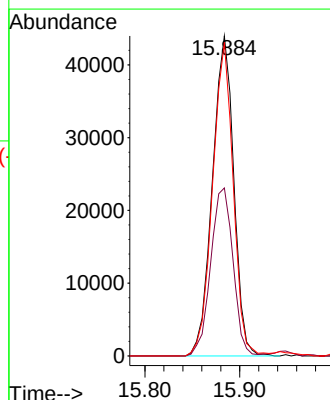
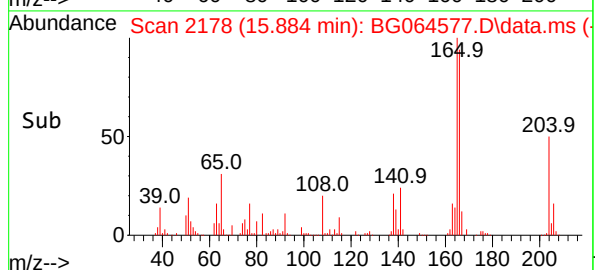
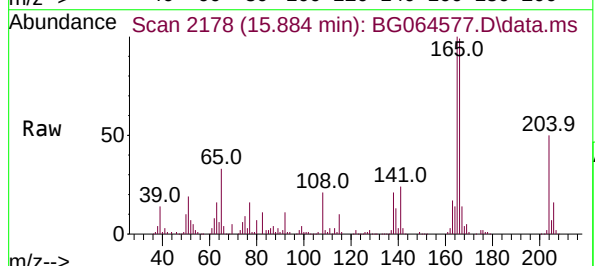
Manual Integrations
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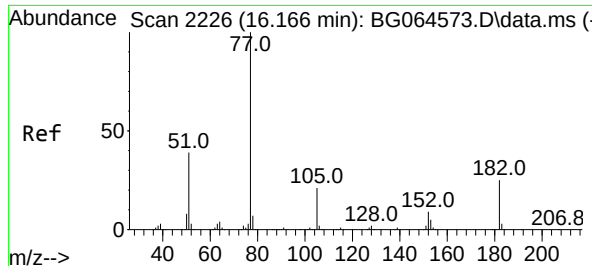
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#62
4-Nitroaniline
Concen: 37.867 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

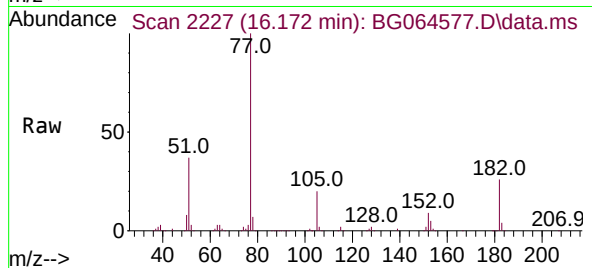
Tgt Ion:138 Resp: 68807
Ion Ratio Lower Upper
138 100
92 52.5 36.1 76.1
108 97.9 75.6 115.6





#63
Azobenzene
Concen: 36.325 ng
RT: 16.172 min Scan# 2227
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

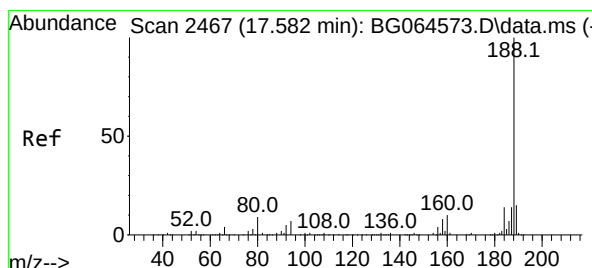
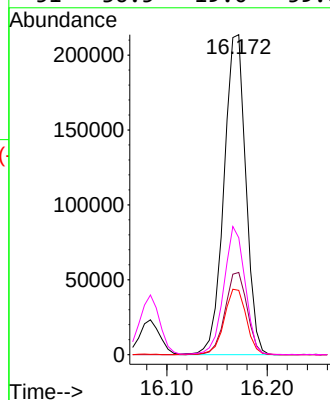
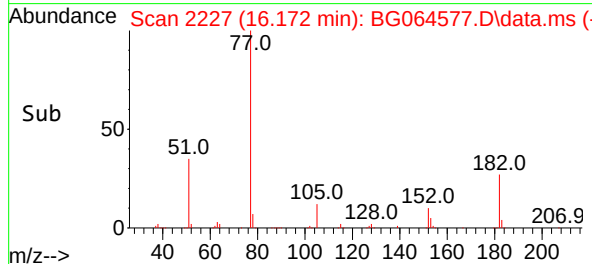
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion: 77 Resp: 323432
Ion Ratio Lower Upper
77 100
182 25.7 4.9 44.9
105 20.1 1.3 41.3
51 36.5 19.0 59.0

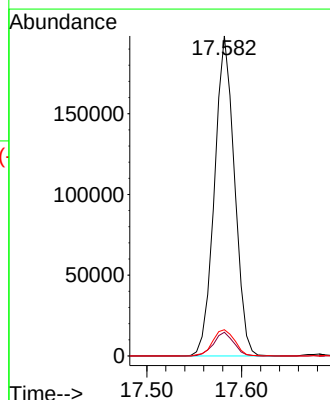
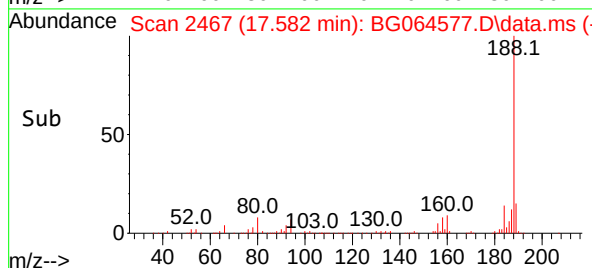
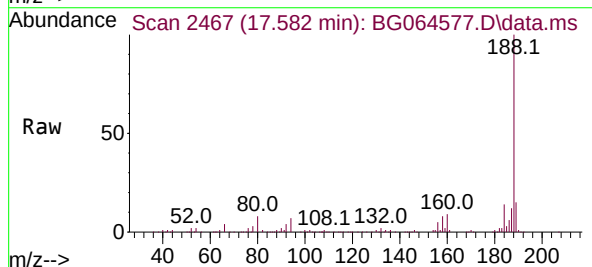
Manual Integrations
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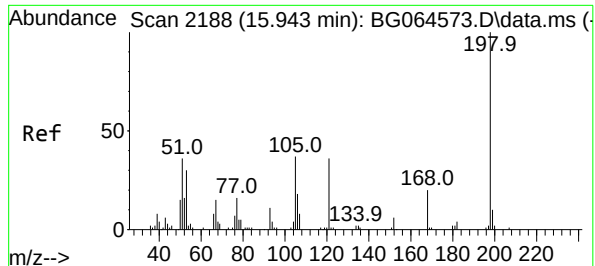
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

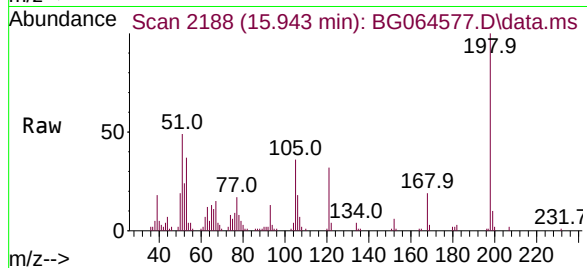
Tgt Ion:188 Resp: 290051
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 8.2 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 34.885 ng
RT: 15.943 min Scan# 2188
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

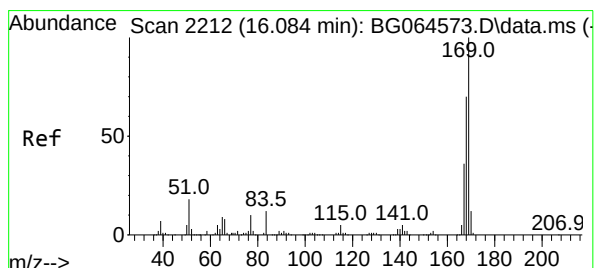
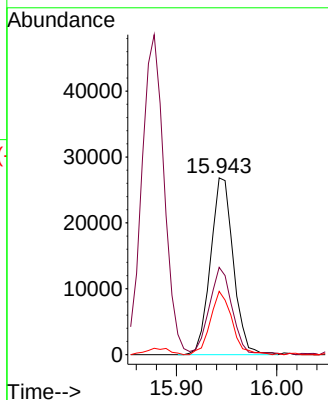
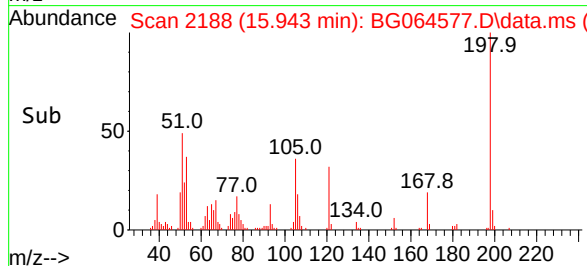
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



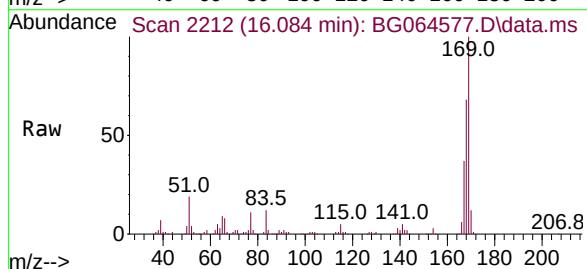
Tgt Ion:198 Resp: 42391
Ion Ratio Lower Upper
198 100
51 49.5 24.7 64.7
105 35.9 18.0 58.0

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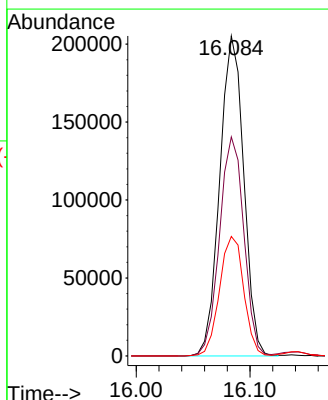
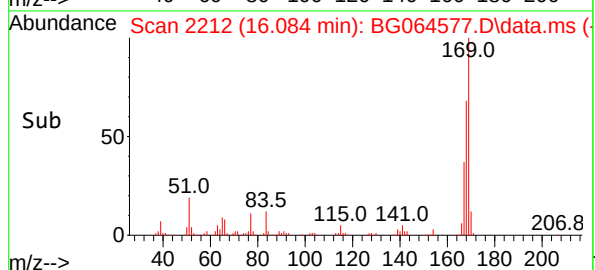
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

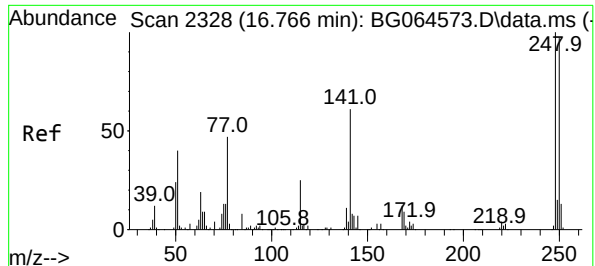


#66
n-Nitrosodiphenylamine
Concen: 38.325 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



Tgt Ion:169 Resp: 300274
Ion Ratio Lower Upper
169 100
168 68.4 56.3 84.5
167 37.3 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 38.044 ng
RT: 16.771 min Scan# 2328
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

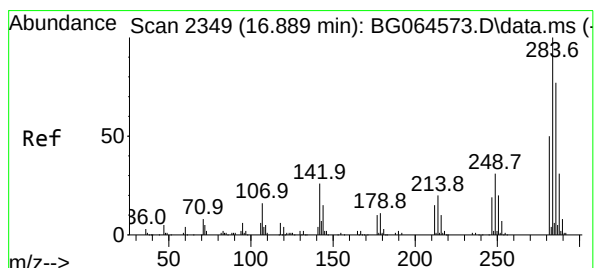
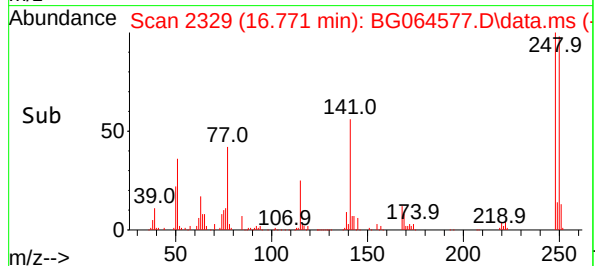
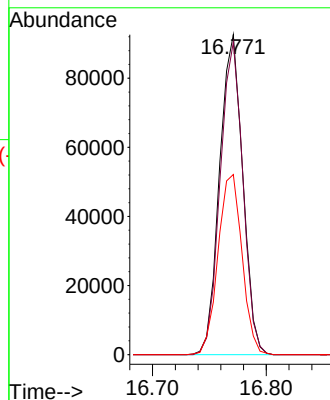
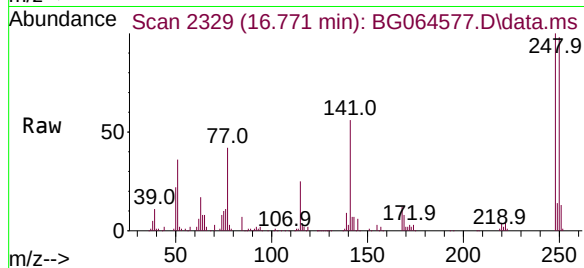
ClientSampleId :

ICVBG102425

Tgt Ion:248 Resp: 130765
Ion Ratio Lower Upper
248 100
250 97.6 77.7 116.5
141 56.3 48.6 72.8

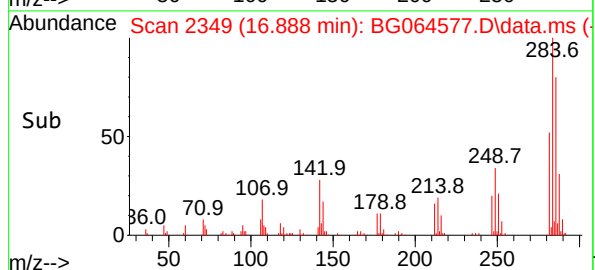
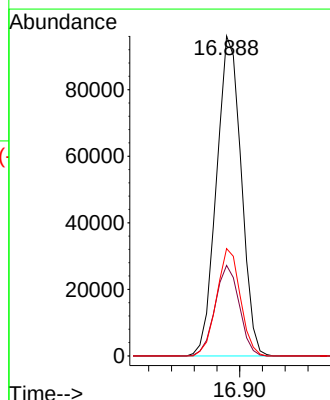
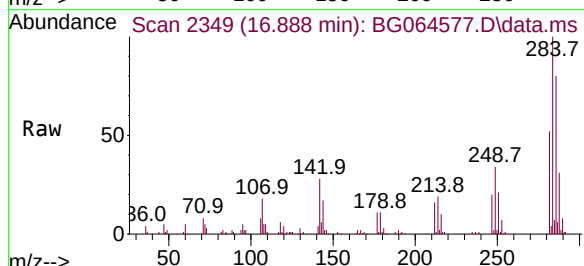
Manual Integrations
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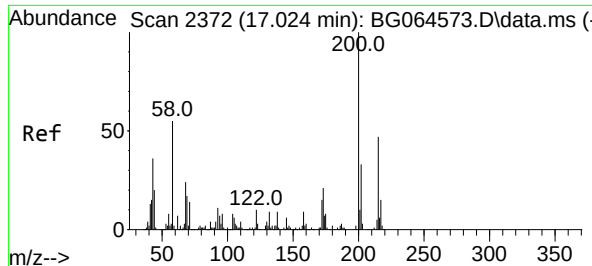
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#68
Hexachlorobenzene
Concen: 36.971 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

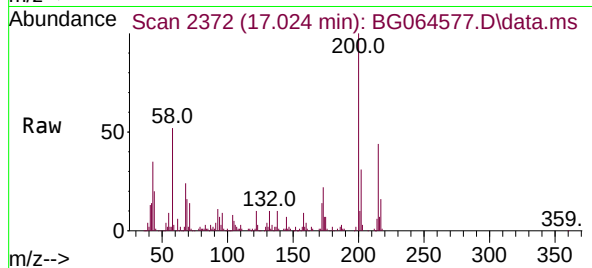
Tgt Ion:284 Resp: 144974
Ion Ratio Lower Upper
284 100
142 28.3 21.0 31.6
249 33.5 24.9 37.3





#69
Atrazine
Concen: 38.558 ng
RT: 17.024 min Scan# 2372
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

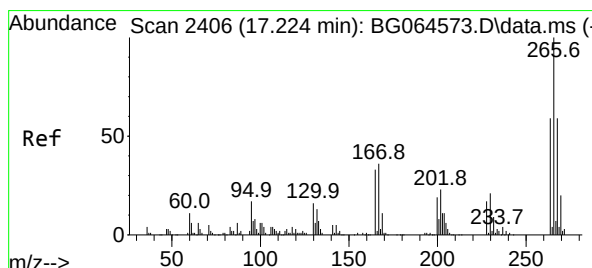
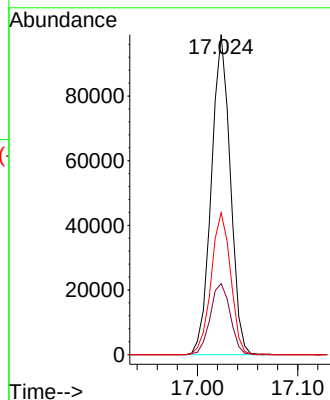
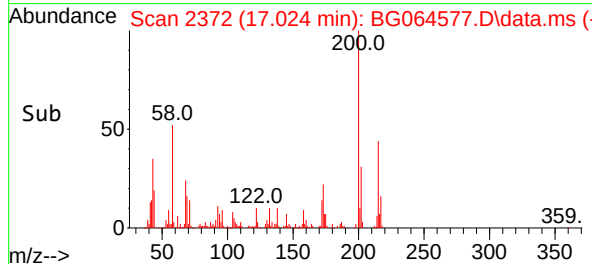
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:200 Resp: 13000
Ion Ratio Lower Upper
200 100
173 22.2 0.9 40.9
215 44.3 27.0 67.0

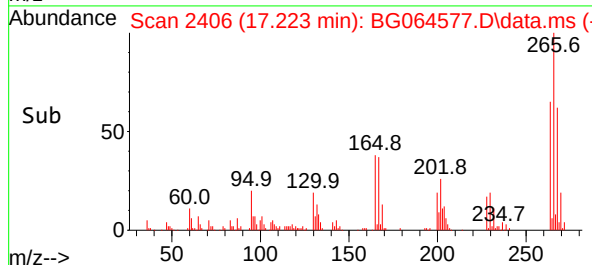
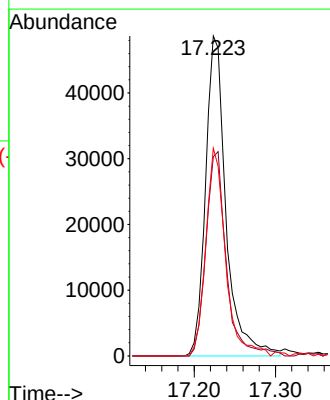
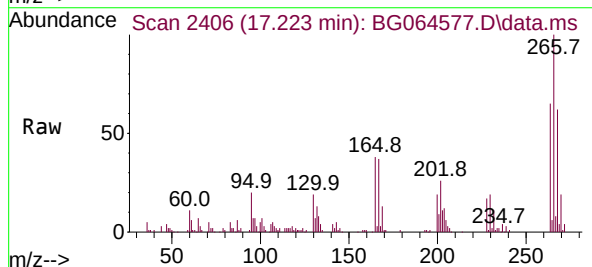
Manual Integrations
APPROVED

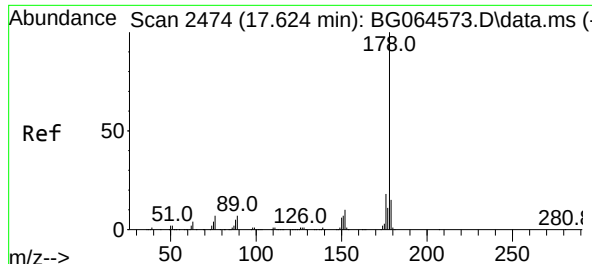
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#70
Pentachlorophenol
Concen: 34.829 ng
RT: 17.223 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:266 Resp: 85166
Ion Ratio Lower Upper
266 100
268 66.7 50.3 75.5
264 70.5 47.3 70.9





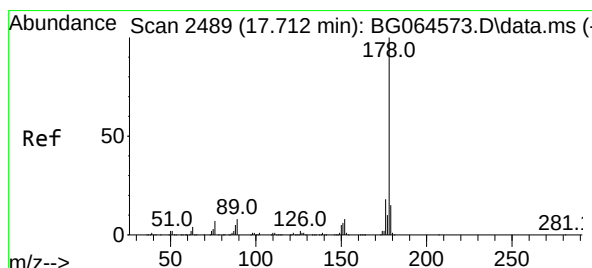
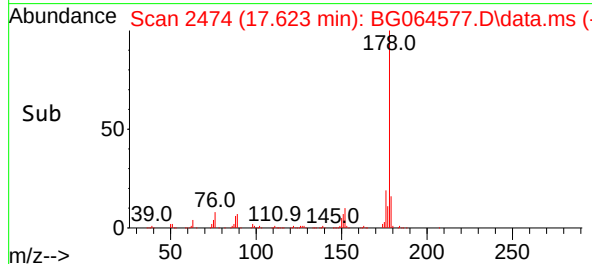
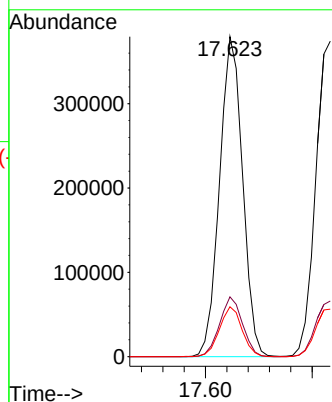
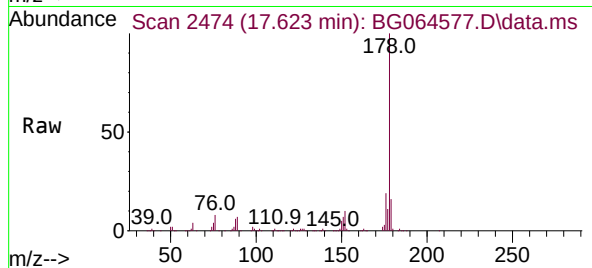
#71
Phenanthrene
Concen: 35.925 ng
RT: 17.623 min Scan# 2474
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:178 Resp: 569825
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.6 12.2 18.4

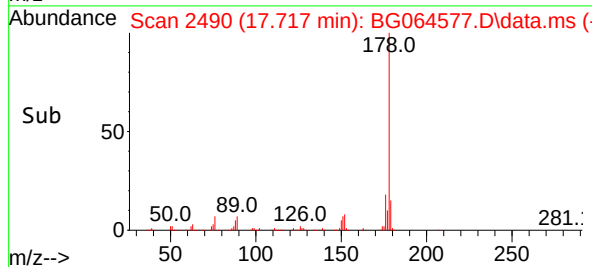
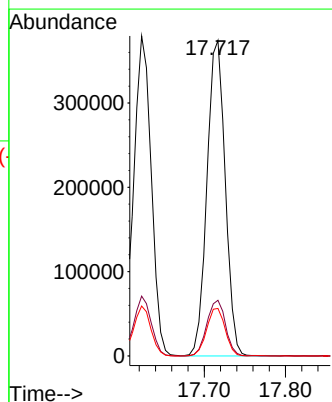
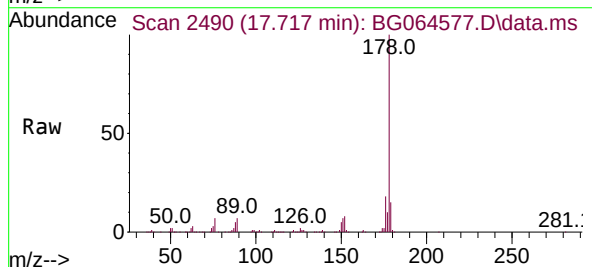
Manual Integrations
APPROVED

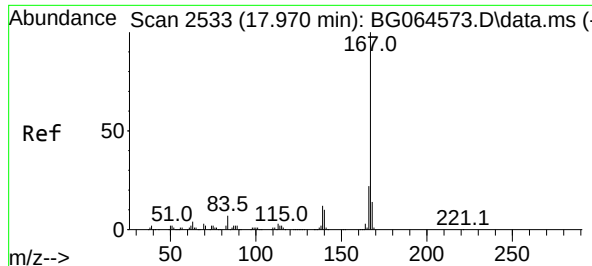
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#72
Anthracene
Concen: 36.210 ng
RT: 17.717 min Scan# 2490
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:178 Resp: 584246
Ion Ratio Lower Upper
178 100
176 17.6 14.4 21.6
179 15.1 12.4 18.6





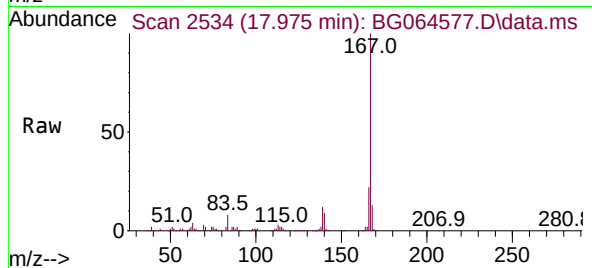
#73
Carbazole
Concen: 35.061 ng
RT: 17.975 min Scan# 2533
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

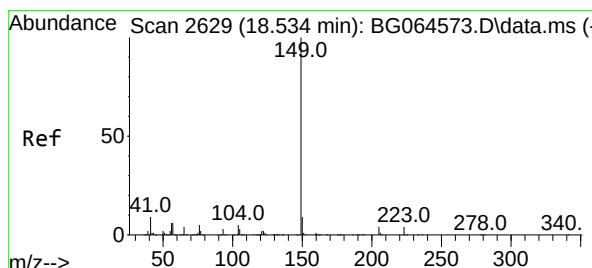
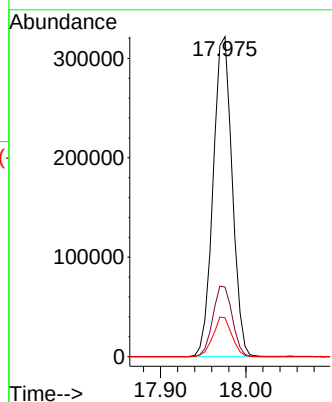
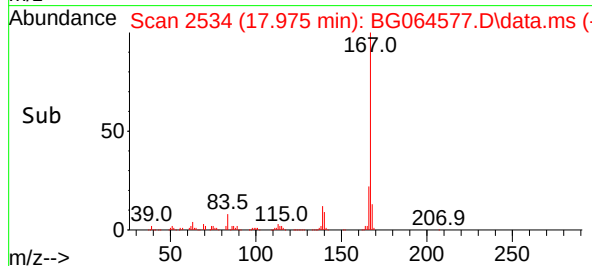
ICVBG102425



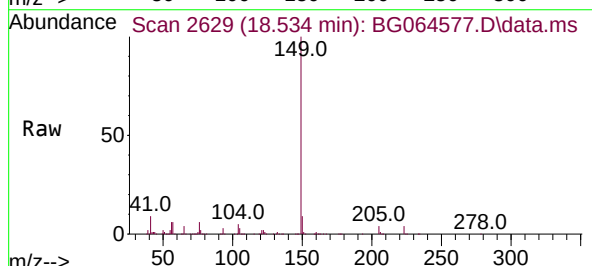
Tgt Ion:167 Resp: 498849
Ion Ratio Lower Upper
167 100
166 21.7 17.9 26.9
139 12.1 9.7 14.5

Manual Integrations
APPROVED

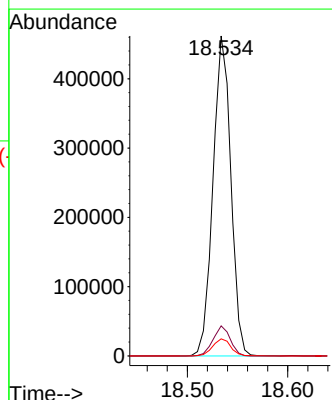
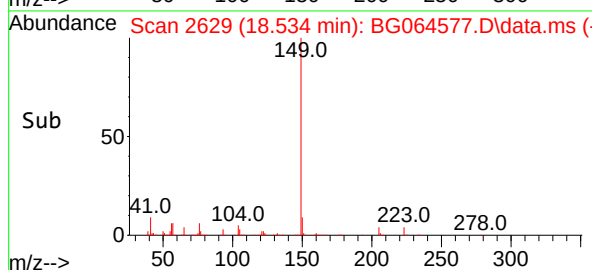
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

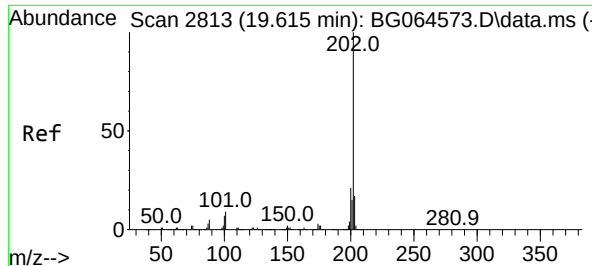


#74
Di-n-butylphthalate
Concen: 34.688 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



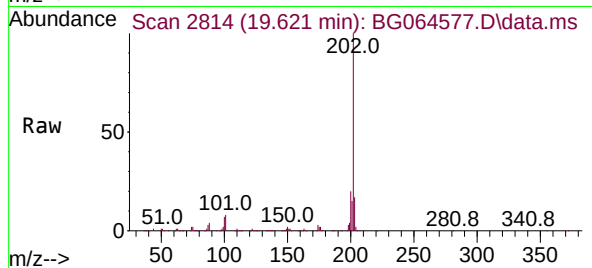
Tgt Ion:149 Resp: 570718
Ion Ratio Lower Upper
149 100
150 9.4 7.0 10.6
104 5.3 4.1 6.1





#75
Fluoranthene
Concen: 34.070 ng
RT: 19.621 min Scan# 2814
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

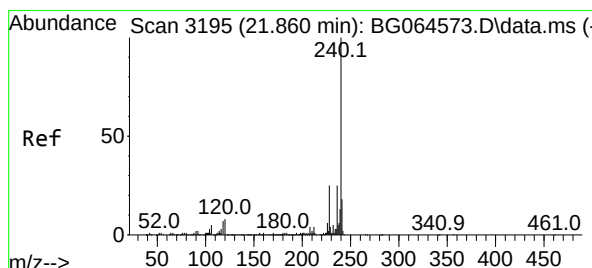
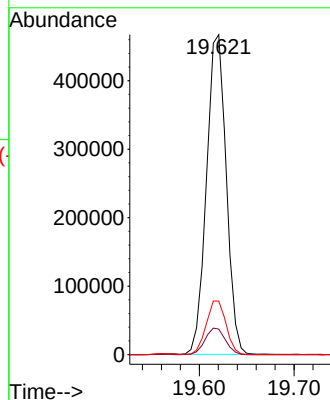
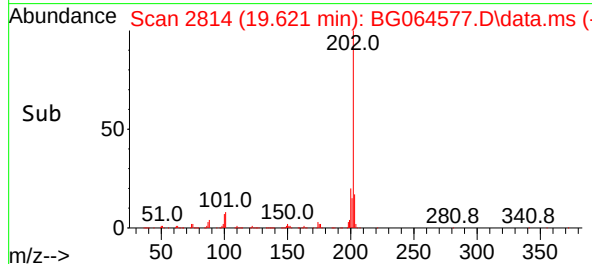
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:202 Resp: 676996
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.7
203 16.7 0.0 37.0

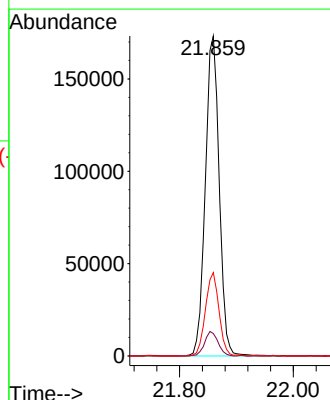
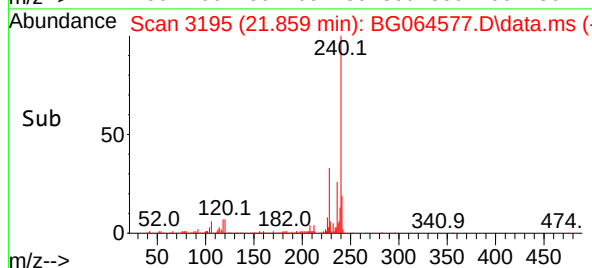
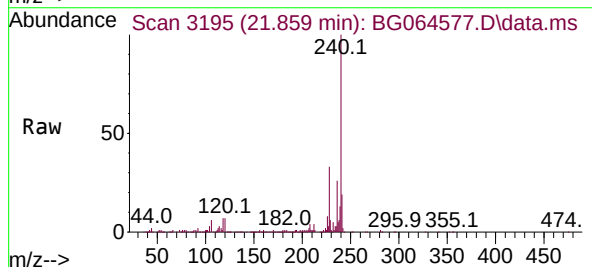
Manual Integrations
APPROVED

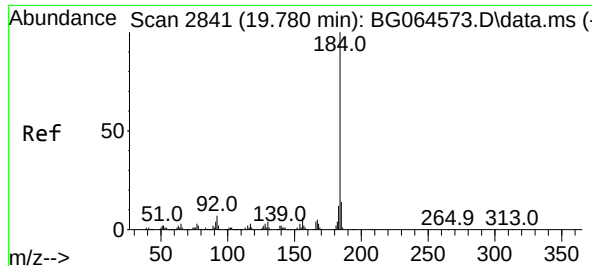
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.859 min Scan# 3195
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

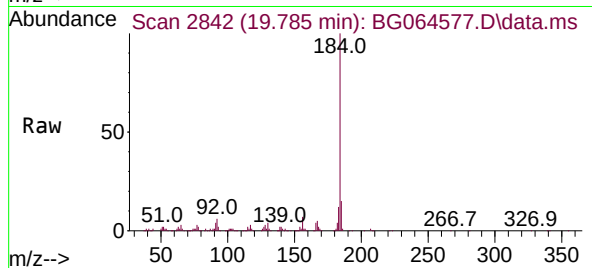
Tgt Ion:240 Resp: 293608
Ion Ratio Lower Upper
240 100
120 7.0 6.5 9.7
236 26.0 20.2 30.2





#77
Benzidine
Concen: 54.203 ng
RT: 19.785 min Scan# 2842
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

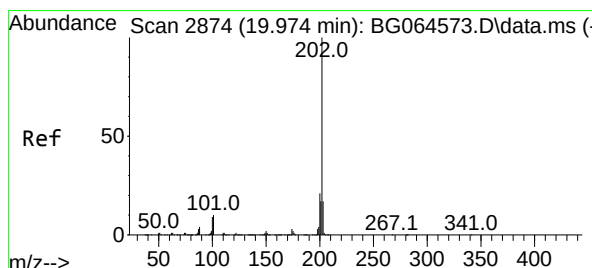
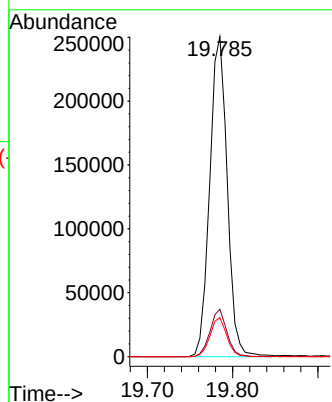
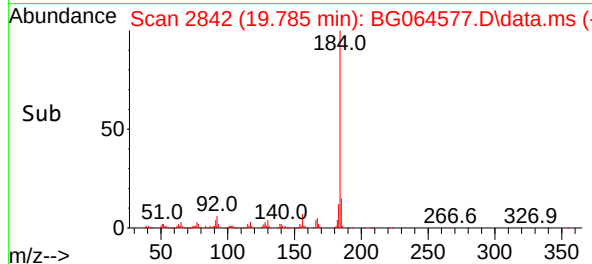
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



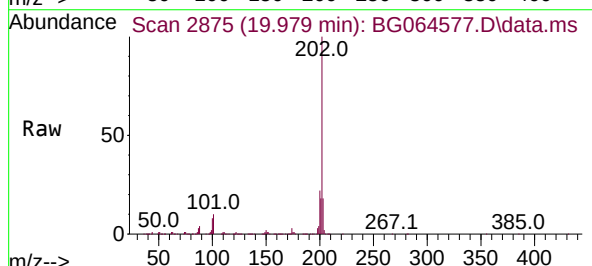
Tgt Ion:184 Resp: 35654
Ion Ratio Lower Upper
184 100
185 14.8 11.4 17.2
183 12.2 9.4 14.2

Manual Integrations
APPROVED

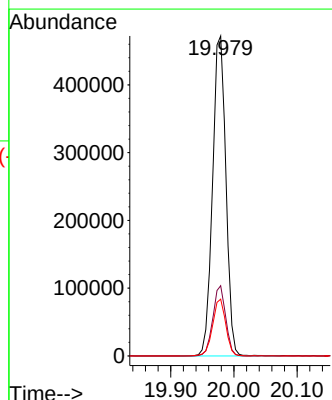
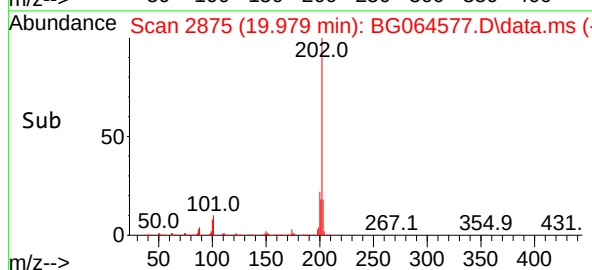
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

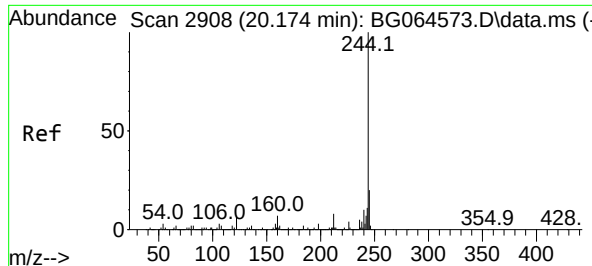


#78
Pyrene
Concen: 36.130 ng
RT: 19.979 min Scan# 2875
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



Tgt Ion:202 Resp: 693068
Ion Ratio Lower Upper
202 100
200 21.9 17.0 25.4
203 17.7 13.8 20.6





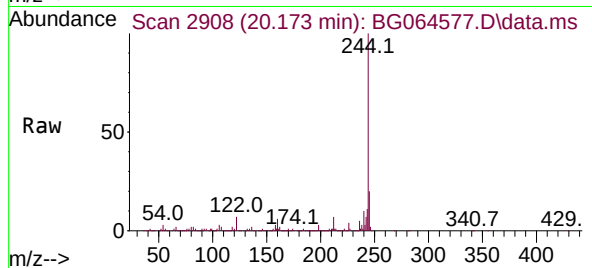
#79
Terphenyl-d14
Concen: 74.019 ng
RT: 20.173 min Scan# 2908
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

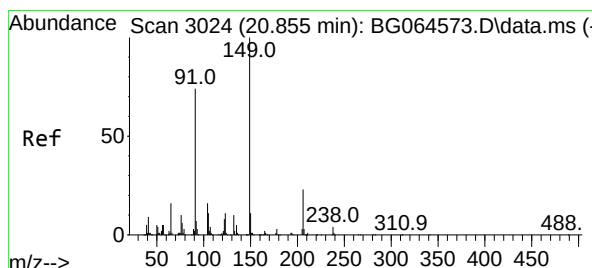
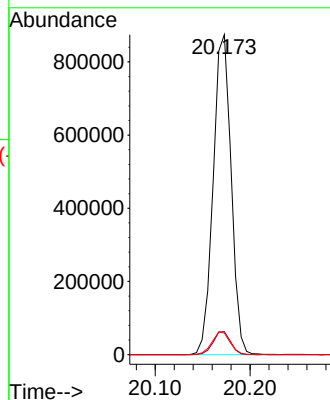
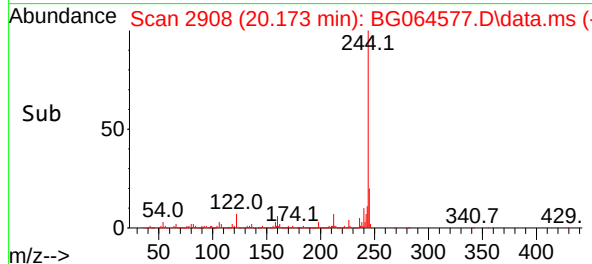
ICVBG102425



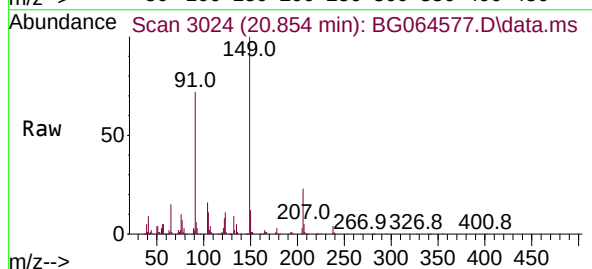
Tgt Ion:244 Resp: 1151597
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 6.7 5.6 8.4

Manual Integrations
APPROVED

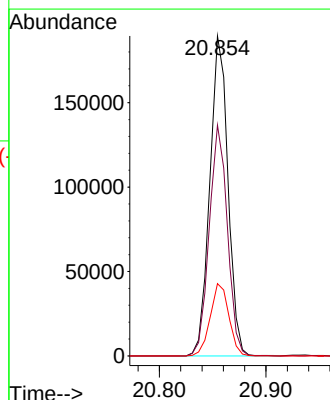
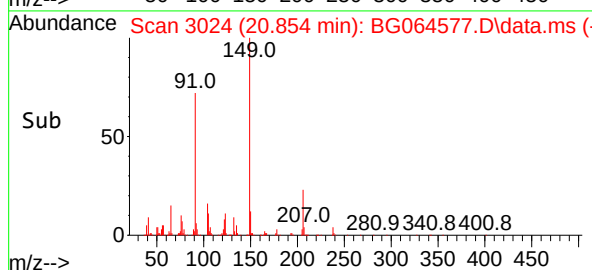
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

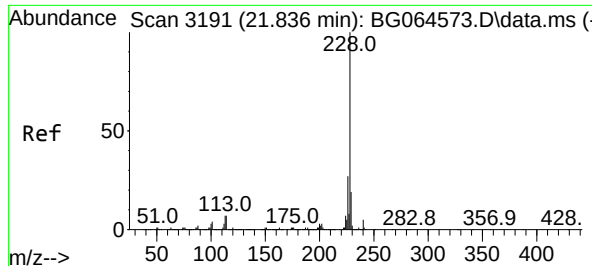


#80
Butylbenzylphthalate
Concen: 38.702 ng
RT: 20.854 min Scan# 3024
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



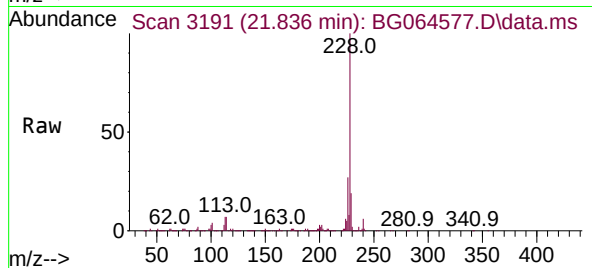
Tgt Ion:149 Resp: 224386
Ion Ratio Lower Upper
149 100
91 72.1 59.2 88.8
206 22.6 18.1 27.1





#81
Benzo(a)anthracene
Concen: 36.287 ng
RT: 21.836 min Scan# 3191
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

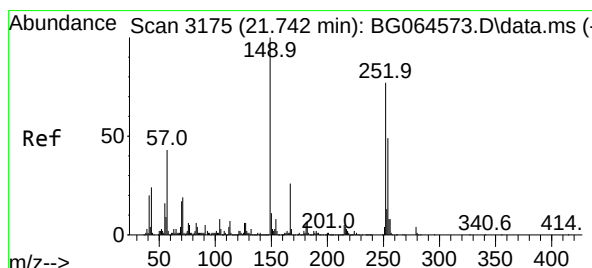
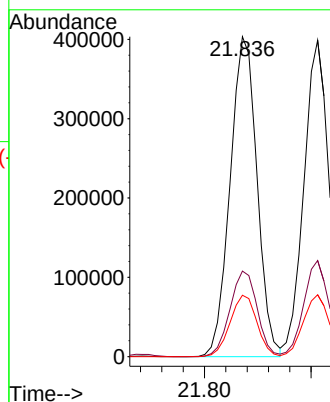
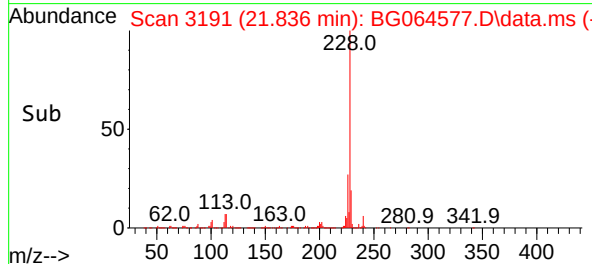
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:228 Resp: 706428
Ion Ratio Lower Upper
228 100
226 26.7 21.9 32.9
229 19.2 15.6 23.4

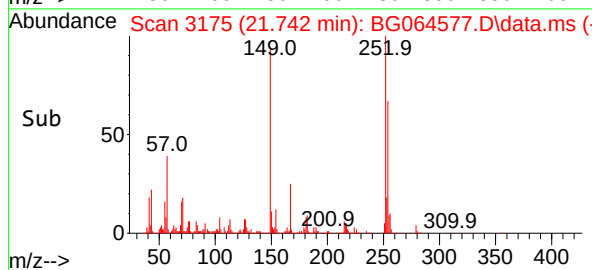
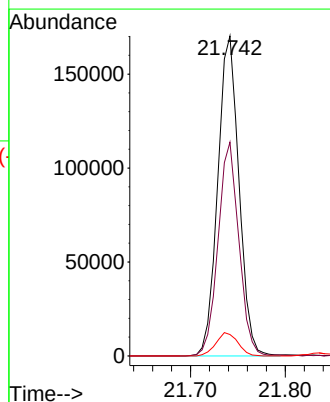
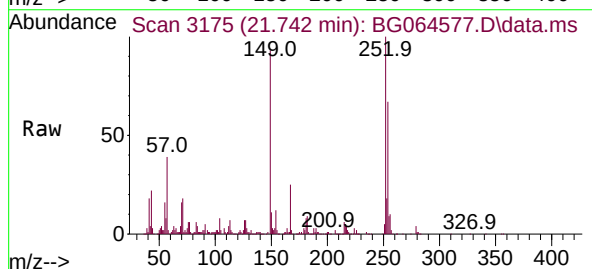
Manual Integrations
APPROVED

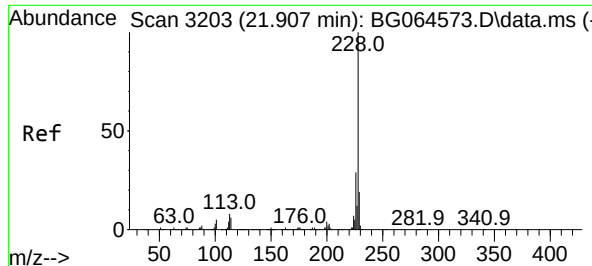
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 40.813 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 265324
Ion Ratio Lower Upper
252 100
254 66.8 50.8 76.2
126 6.7 5.8 8.6





#83

Chrysene

Concen: 35.533 ng

RT: 21.906 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

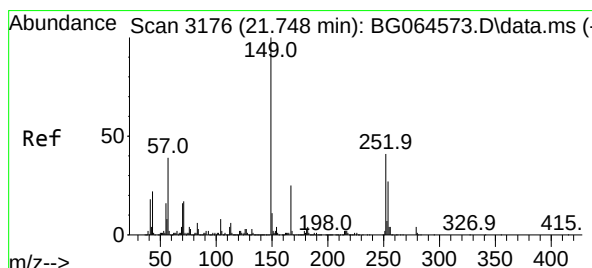
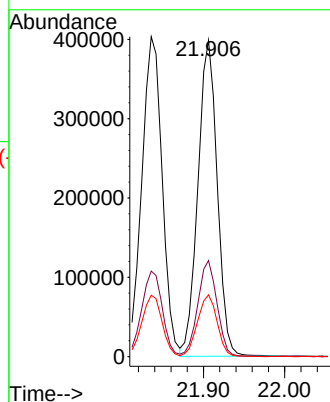
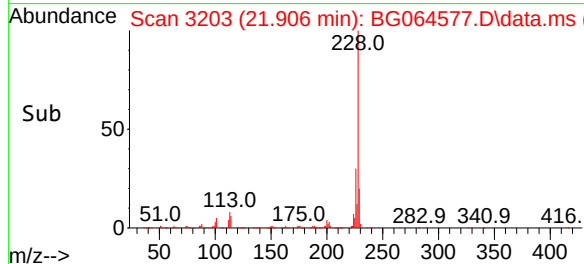
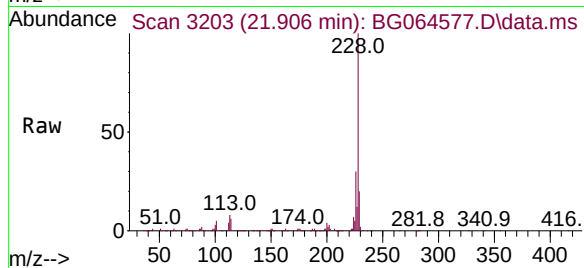
ClientSampleId :

ICVBG102425

Tgt Ion:	228	Resp:	65821
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.3	34.9
229	19.5	15.2	22.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.470 ng

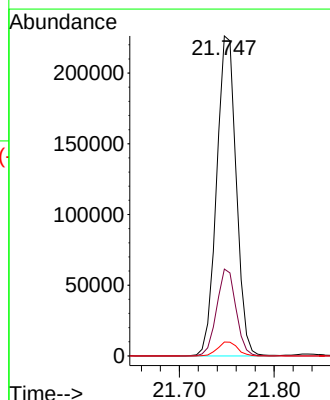
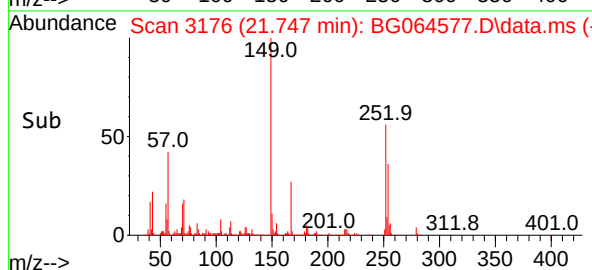
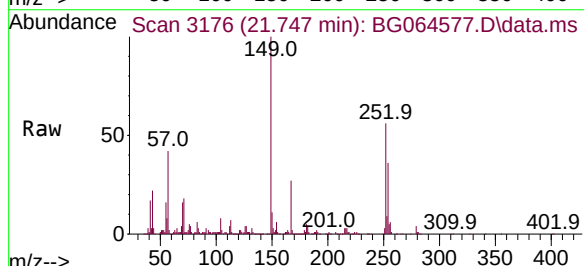
RT: 21.747 min Scan# 3176

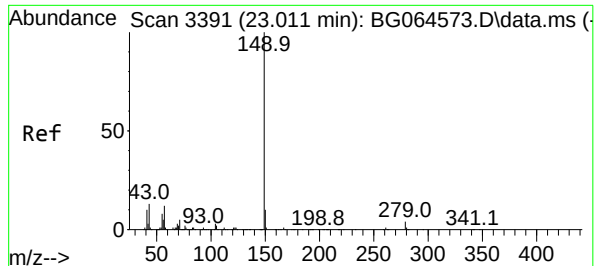
Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

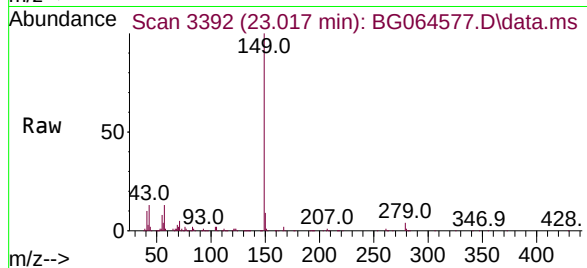
Tgt Ion:	149	Resp:	324614
Ion Ratio	Lower	Upper	
149	100		
167	27.1	20.0	30.0
279	4.3	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 36.087 ng
RT: 23.017 min Scan# 3391
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

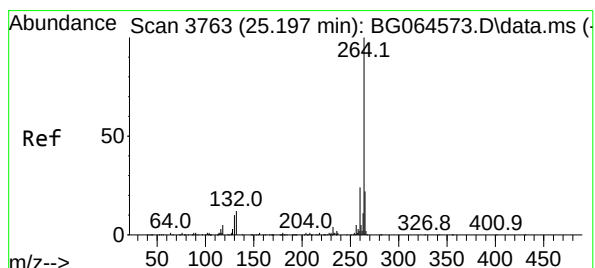
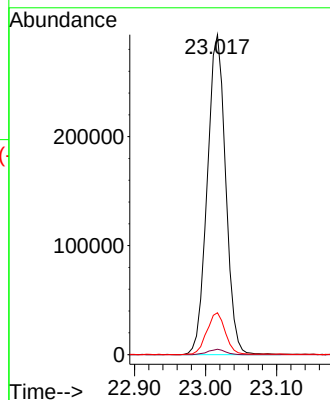
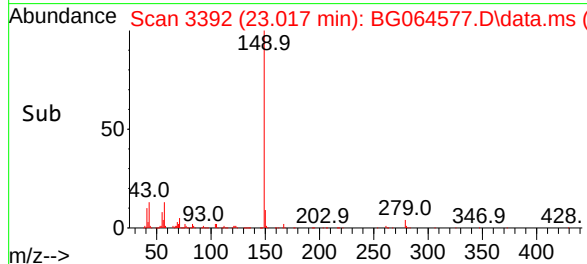
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:149 Resp: 527097
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.3 10.8 16.2

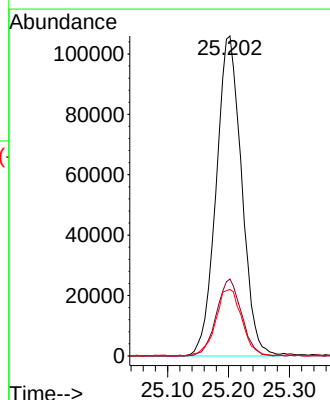
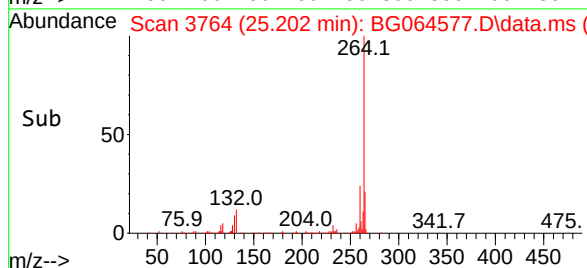
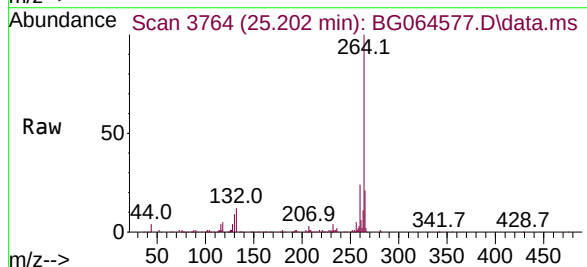
Manual Integrations
APPROVED

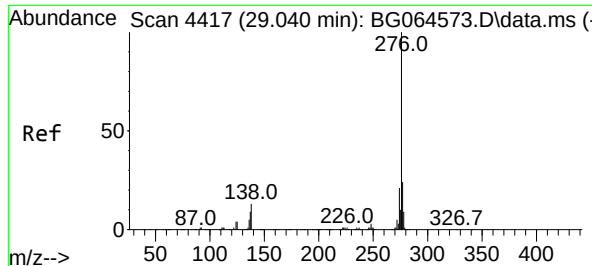
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.202 min Scan# 3764
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

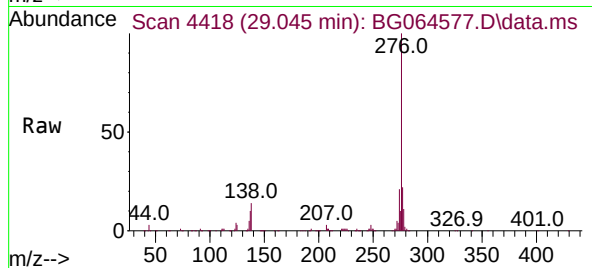
Tgt Ion:264 Resp: 306886
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 20.8 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 36.366 ng
RT: 29.045 min Scan# 4417
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

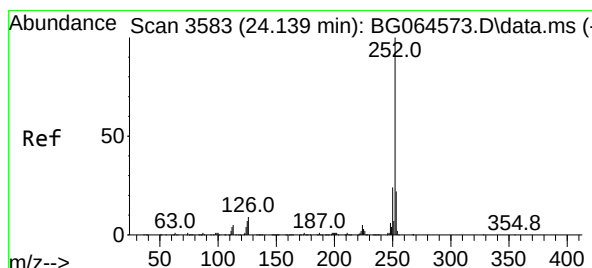
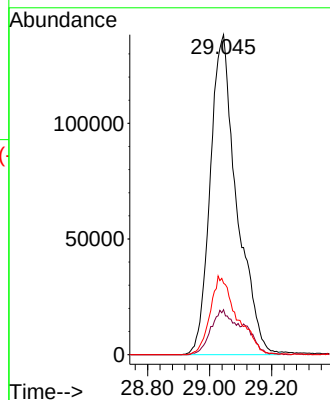
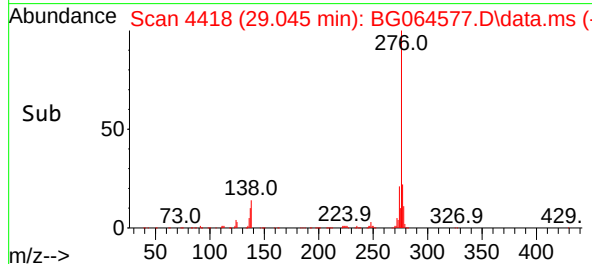
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:276 Resp: 820974
Ion Ratio Lower Upper
276 100
138 12.6 10.8 16.2
277 25.0 20.1 30.1

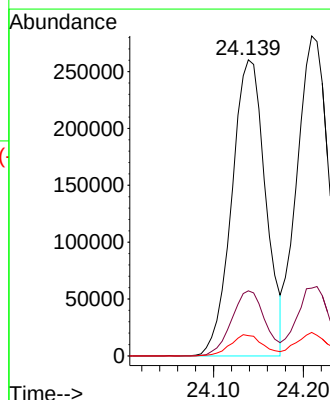
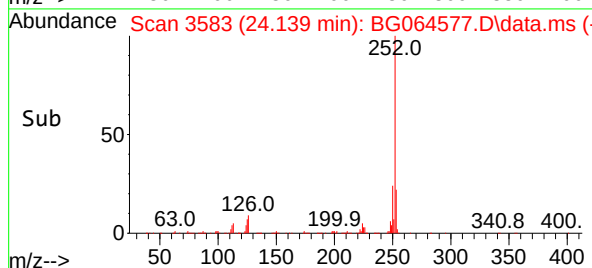
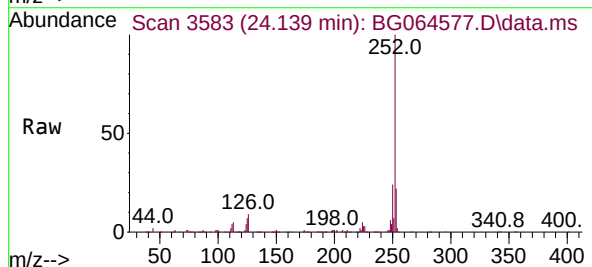
Manual Integrations
APPROVED

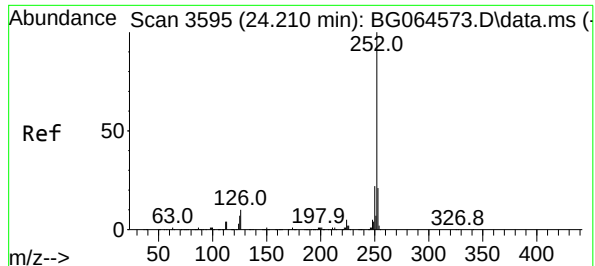
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#88
Benzo(b)fluoranthene
Concen: 36.235 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 681881
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 6.8 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 37.252 ng

RT: 24.209 min Scan# 3595

Delta R.T. -0.010 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

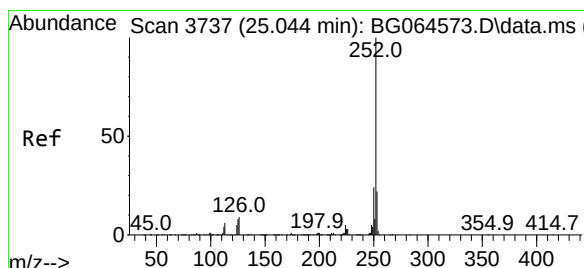
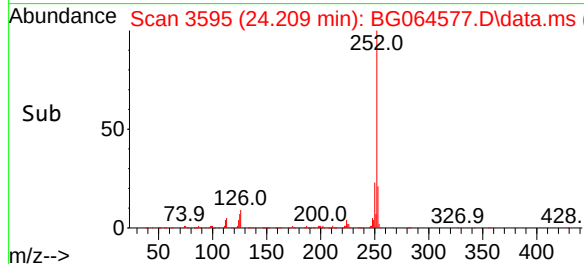
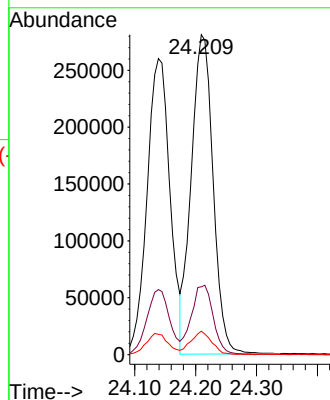
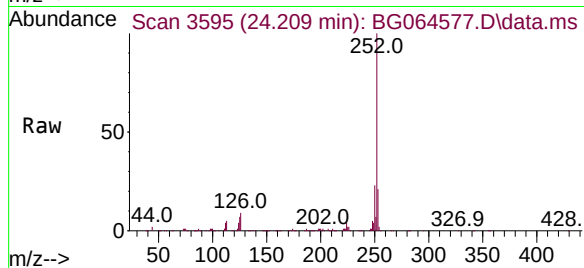
Tgt Ion:	252	Resp:	701500
Ion Ratio	Lower	Upper	
252	100		
253	21.2	16.8	25.2
125	7.3	5.4	8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 37.700 ng

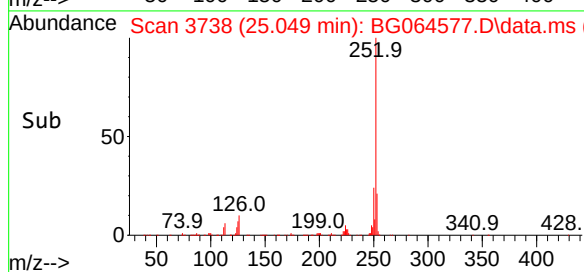
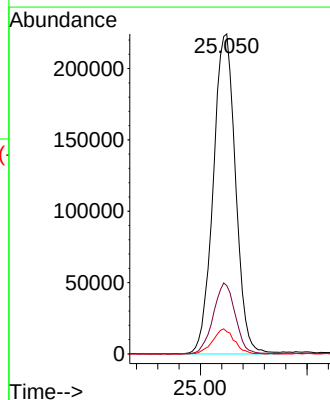
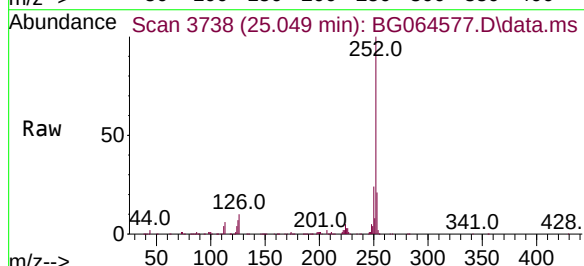
RT: 25.049 min Scan# 3738

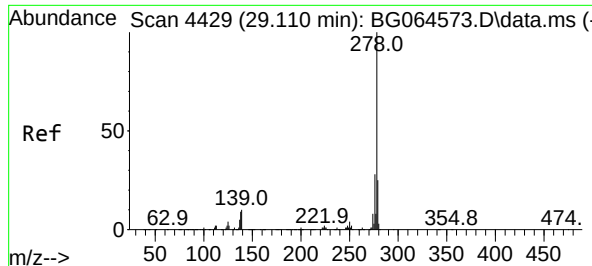
Delta R.T. -0.010 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Tgt Ion:	252	Resp:	652126
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.6	26.4
125	6.9	6.1	9.1





#91
Dibenzo(a,h)anthracene
Concen: 36.776 ng
RT: 29.121 min Scan# 4429
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

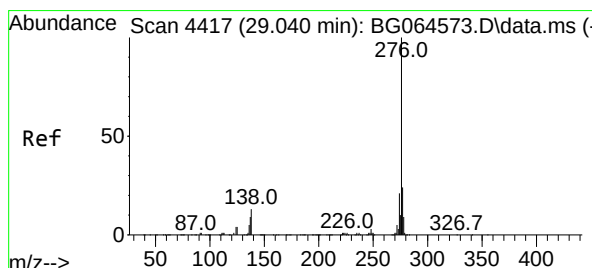
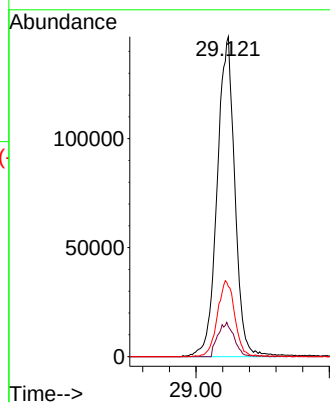
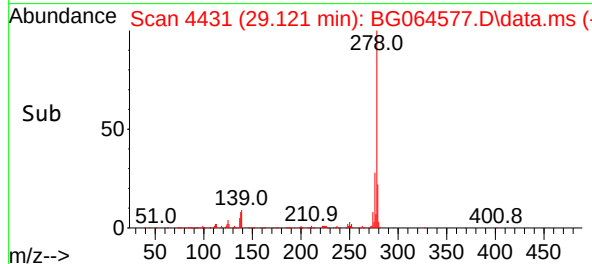
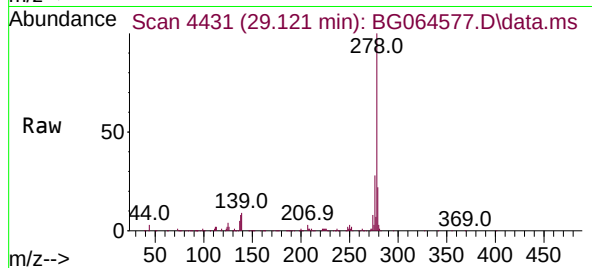
ClientSampleId :

ICVBG102425

Tgt Ion:278 Resp: 674510
Ion Ratio Lower Upper
278 100
139 9.4 8.0 12.0
279 21.9 19.8 29.6

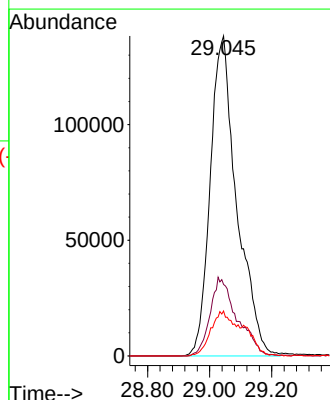
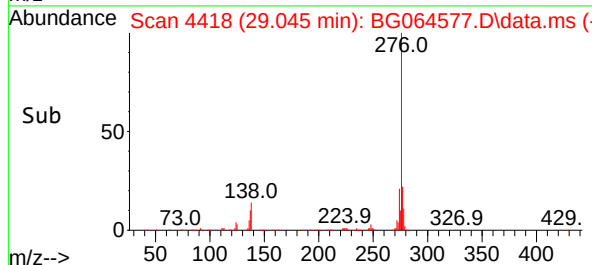
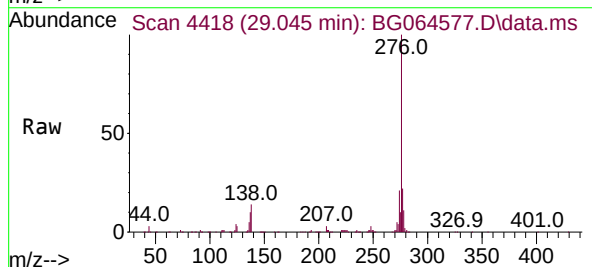
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 36.366 ng
RT: 29.045 min Scan# 4418
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:276 Resp: 820974
Ion Ratio Lower Upper
276 100
277 22.3 19.2 28.8
138 14.0 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	93	0.00
2	1,4-Dioxane	40.000	33.820	15.4	79	0.00
3	Pyridine	40.000	33.313	16.7	73	0.00
4	n-Nitrosodimethylamine	40.000	36.025	9.9	79	-0.01
5 S	2-Fluorophenol	80.000	70.535	11.8	75	0.00
6	Aniline	40.000	38.118	4.7	82	0.00
7 S	Phenol-d6	80.000	74.109	7.4	79	0.00
8	2-Chlorophenol	40.000	36.981	7.5	78	0.00
9	Benzaldehyde	40.000	50.923	-27.3#	112	0.00
10 C	Phenol	40.000	36.410	9.0	78	-0.01
11	bis(2-Chloroethyl)ether	40.000	38.118	4.7	82	0.00
12	1,3-Dichlorobenzene	40.000	36.085	9.8	79	0.00
13 C	1,4-Dichlorobenzene	40.000	37.635	5.9	83	0.00
14	1,2-Dichlorobenzene	40.000	36.924	7.7	81	0.00
15	Benzyl Alcohol	40.000	37.995	5.0	83	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	36.163	9.6	78	0.00
17	2-Methylphenol	40.000	38.945	2.6	81	0.00
18	Hexachloroethane	40.000	35.743	10.6	78	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.572	1.1	84	0.00
20	3+4-Methylphenols	40.000	37.882	5.3	81	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	95	0.00
22	Acetophenone	40.000	37.806	5.5	84	0.00
23 S	Nitrobenzene-d5	80.000	76.738	4.1	81	0.00
24	Nitrobenzene	40.000	39.305	1.7	83	0.00
25	Isophorone	40.000	37.733	5.7	83	-0.01
26 C	2-Nitrophenol	40.000	35.498	11.3	84	0.00
27	2,4-Dimethylphenol	40.000	41.336	-3.3	89	0.00
28	bis(2-Chloroethoxy)methane	40.000	36.953	7.6	82	0.00
29 C	2,4-Dichlorophenol	40.000	38.190	4.5	81	0.00
30	1,2,4-Trichlorobenzene	40.000	37.945	5.1	84	0.00
31	Naphthalene	40.000	35.709	10.7	80	0.00
32	Benzoic acid	40.000	37.924	5.2	93	-0.05
33	4-Chloroaniline	40.000	41.287	-3.2	92	0.00
34 C	Hexachlorobutadiene	40.000	35.242	11.9	80	0.00
35	Caprolactam	40.000	36.326	9.2	79	-0.03
36 C	4-Chloro-3-methylphenol	40.000	38.049	4.9	82	0.00
37	2-Methylnaphthalene	40.000	33.388	16.5	75	0.00
38	1-Methylnaphthalene	40.000	35.729	10.7	80	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.146	7.1	84	0.00
41 P	Hexachlorocyclopentadiene	40.000	50.669	-26.7#	112	0.00
42 S	2,4,6-Tribromophenol	80.000	75.074	6.2	81	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.726	3.2	84	0.00
44	2,4,5-Trichlorophenol	40.000	37.228	6.9	81	0.00
45 S	2-Fluorobiphenyl	80.000	72.599	9.3	82	0.00
46	1,1'-Biphenyl	40.000	37.331	6.7	85	0.00
47	2-Chloronaphthalene	40.000	36.205	9.5	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	36.129	9.7	87	0.00
49	Acenaphthylene	40.000	41.457	-3.6	93	0.00
50	Dimethylphthalate	40.000	36.890	7.8	82	0.00
51	2,6-Dinitrotoluene	40.000	39.971	0.1	96	0.00
52 C	Acenaphthene	40.000	35.340	11.6	80	0.00
53	3-Nitroaniline	40.000	42.080	-5.2	89	0.00
54 P	2,4-Dinitrophenol	40.000	33.991	15.0	82	0.00
55	Dibenzofuran	40.000	36.096	9.8	82	0.00
56 P	4-Nitrophenol	40.000	33.818	15.5	75	0.00
57	2,4-Dinitrotoluene	40.000	35.957	10.1	85	0.00
58	Fluorene	40.000	36.238	9.4	82	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.525	-1.3	88	0.00
60	Diethylphthalate	40.000	35.961	10.1	81	0.00
61	4-Chlorophenyl-phenylether	40.000	35.902	10.2	81	0.00
62	4-Nitroaniline	40.000	37.867	5.3	81	-0.01
63	Azobenzene	40.000	36.325	9.2	81	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	40.000	34.885	12.8	82	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.325	4.2	82	0.00
67	4-Bromophenyl-phenylether	40.000	38.044	4.9	81	0.00
68	Hexachlorobenzene	40.000	36.971	7.6	79	0.00
69	Atrazine	40.000	38.558	3.6	85	0.00
70 C	Pentachlorophenol	40.000	34.829	12.9	76	0.00
71	Phenanthrene	40.000	35.925	10.2	78	0.00
72	Anthracene	40.000	36.210	9.5	79	0.00
73	Carbazole	40.000	35.061	12.3	77	0.00
74	Di-n-butylphthalate	40.000	34.688	13.3	73	0.00
75 C	Fluoranthene	40.000	34.070	14.8	75	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	88	0.00
77	Benzydine	40.000	54.203	-35.5#	109	0.00
78	Pyrene	40.000	36.130	9.7	74	0.00
79 S	Terphenyl-d14	80.000	74.019	7.5	76	0.00
80	Butylbenzylphthalate	40.000	38.702	3.2	75	0.00
81	Benzo(a)anthracene	40.000	36.287	9.3	75	0.00
82	3,3'-Dichlorobenzidine	40.000	40.813	-2.0	83	0.00
83	Chrysene	40.000	35.533	11.2	74	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	37.470	6.3	73	0.00
85 c	Di-n-octyl phthalate	40.000	36.087	9.8	73	0.00
86 I	Perylene-d12	20.000	20.000	0.0	87	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	36.366	9.1	75	-0.02
88	Benzo(b)fluoranthene	40.000	36.235	9.4	74	0.00
89	Benzo(k)fluoranthene	40.000	37.252	6.9	78	-0.01
90 C	Benzo(a)pyrene	40.000	37.700	5.7	77	-0.01
91	Dibenzo(a,h)anthracene	40.000	36.776	8.1	76	-0.02
92	Benzo(g,h,i)perylene	40.000	36.366	9.1	75	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2	1,4-Dioxane	0.528	0.446	15.5	79	0.00
3	Pyridine	1.584	1.319	16.7	73	0.00
4	n-Nitrosodimethylamine	0.850	0.765	10.0	79	-0.01
5 S	2-Fluorophenol	1.192	1.051	11.8	75	0.00
6	Aniline	2.225	2.120	4.7	82	0.00
7 S	Phenol-d6	1.635	1.515	7.3	79	0.00
8	2-Chlorophenol	1.247	1.153	7.5	78	0.00
9	Benzaldehyde	0.893	1.136	-27.2#	112	0.00
10 C	Phenol	1.808	1.646	9.0	78	-0.01
11	bis(2-Chloroethyl)ether	2.225	2.120	4.7	82	0.00
12	1,3-Dichlorobenzene	1.435	1.295	9.8	79	0.00
13 C	1,4-Dichlorobenzene	1.460	1.373	6.0	83	0.00
14	1,2-Dichlorobenzene	1.408	1.300	7.7	81	0.00
15	Benzyl Alcohol	1.348	1.281	5.0	83	-0.01
16	2,2'-oxybis(1-Chloropropane	3.487	3.153	9.6	78	0.00
17	2-Methylphenol	0.674	0.656	2.7	81	0.00
18	Hexachloroethane	0.512	0.458	10.5	78	0.00
19 P	n-Nitroso-di-n-propylamine	1.130	1.118	1.1	84	0.00
20	3+4-Methylphenols	1.688	1.599	5.3	81	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22	Acetophenone	0.547	0.517	5.5	84	0.00
23 S	Nitrobenzene-d5	0.333	0.319	4.2	81	0.00
24	Nitrobenzene	0.362	0.356	1.7	83	0.00
25	Isophorone	0.799	0.754	5.6	83	-0.01
26 C	2-Nitrophenol	0.121	0.121	0.0	84	0.00
27	2,4-Dimethylphenol	0.303	0.313	-3.3	89	0.00
28	bis(2-Chloroethoxy)methane	0.455	0.420	7.7	82	0.00
29 C	2,4-Dichlorophenol	0.320	0.305	4.7	81	0.00
30	1,2,4-Trichlorobenzene	0.363	0.345	5.0	84	0.00
31	Naphthalene	1.109	0.990	10.7	80	0.00
32	Benzoic acid	0.189	0.198	-4.8	93	-0.05
33	4-Chloroaniline	0.431	0.445	-3.2	92	0.00
34 C	Hexachlorobutadiene	0.284	0.250	12.0	80	0.00
35	Caprolactam	0.123	0.111	9.8	79	-0.03
36 C	4-Chloro-3-methylphenol	0.384	0.366	4.7	82	0.00
37	2-Methylnaphthalene	0.814	0.680	16.5	75	0.00
38	1-Methylnaphthalene	0.801	0.716	10.6	80	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40	1,2,4,5-Tetrachlorobenzene	0.671	0.623	7.2	84	0.00
41 P	Hexachlorocyclopentadiene	0.302	0.383	-26.8#	112	0.00
42 S	2,4,6-Tribromophenol	0.289	0.271	6.2	81	0.00
43 C	2,4,6-Trichlorophenol	0.384	0.372	3.1	84	0.00
44	2,4,5-Trichlorophenol	0.443	0.412	7.0	81	0.00
45 S	2-Fluorobiphenyl	1.319	1.197	9.2	82	0.00
46	1,1'-Biphenyl	1.422	1.327	6.7	85	0.00
47	2-Chloronaphthalene	1.073	0.971	9.5	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.311	0.318	-2.3	87	0.00
49	Acenaphthylene	1.693	1.755	-3.7	93	0.00
50	Dimethylphthalate	1.530	1.411	7.8	82	0.00
51	2,6-Dinitrotoluene	0.218	0.249	-14.2	96	0.00
52 C	Acenaphthene	1.157	1.022	11.7	80	0.00
53	3-Nitroaniline	0.263	0.277	-5.3	89	0.00
54 P	2,4-Dinitrophenol	0.132	0.118	10.6	82	0.00
55	Dibenzofuran	1.870	1.687	9.8	82	0.00
56 P	4-Nitrophenol	0.244	0.206	15.6	75	0.00
57	2,4-Dinitrotoluene	0.340	0.343	-0.9	85	0.00
58	Fluorene	1.460	1.323	9.4	82	0.00
59	2,3,4,6-Tetrachlorophenol	0.424	0.429	-1.2	88	0.00
60	Diethylphthalate	1.563	1.405	10.1	81	0.00
61	4-Chlorophenyl-phenylether	0.820	0.736	10.2	81	0.00
62	4-Nitroaniline	0.293	0.277	5.5	81	-0.01
63	Azobenzene	1.434	1.302	9.2	81	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	0.079	0.073	7.6	82	0.00
66 c	n-Nitrosodiphenylamine	0.540	0.518	4.1	82	0.00
67	4-Bromophenyl-phenylether	0.237	0.225	5.1	81	0.00
68	Hexachlorobenzene	0.270	0.250	7.4	79	0.00
69	Atrazine	0.232	0.224	3.4	85	0.00
70 C	Pentachlorophenol	0.169	0.147	13.0	76	0.00
71	Phenanthrene	1.094	0.982	10.2	78	0.00
72	Anthracene	1.113	1.007	9.5	79	0.00
73	Carbazole	0.981	0.860	12.3	77	0.00
74	Di-n-butylphthalate	1.134	0.984	13.2	73	0.00
75 C	Fluoranthene	1.370	1.167	14.8	75	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	88	0.00
77	Benzidine	0.448	0.607	-35.5#	109	0.00
78	Pyrene	1.307	1.180	9.7	74	0.00
79 S	Terphenyl-d14	1.060	0.981	7.5	76	0.00
80	Butylbenzylphthalate	0.395	0.382	3.3	75	0.00
81	Benzo(a)anthracene	1.326	1.203	9.3	75	0.00
82	3,3'-Dichlorobenzidine	0.443	0.452	-2.0	83	0.00
83	Chrysene	1.262	1.121	11.2	74	0.00
84	Bis(2-ethylhexyl)phthalate	0.590	0.553	6.3	73	0.00
85 c	Di-n-octyl phthalate	0.995	0.898	9.7	73	0.00
86 I	Perylene-d12	1.000	1.000	0.0	87	0.00
87	Indeno(1,2,3-cd)pyrene	1.471	1.338	9.0	75	-0.02
88	Benzo(b)fluoranthene	1.226	1.111	9.4	74	0.00
89	Benzo(k)fluoranthene	1.227	1.143	6.8	78	-0.01
90 C	Benzo(a)pyrene	1.127	1.062	5.8	77	-0.01
91	Dibenzo(a,h)anthracene	1.195	1.099	8.0	76	-0.02
92	Benzo(g,h,i)perylene	1.471	1.338	9.0	75	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/29/2025 11:30</u>
Lab File ID:	<u>BF144121.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:13 16:24</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.346		6.5	
Benzaldehyde	1.084	1.051		-3.0	
Phenol-d6	1.396	1.460		4.6	
Phenol	1.722	1.843		7.0	20.0
bis(2-Chloroethyl)ether	1.245	1.332		7.0	
2-Chlorophenol	1.245	1.284		3.1	
2-Methylphenol	0.957	1.014		6.0	
2,2-oxybis(1-Chloropropane)	2.339	2.460		5.2	
Acetophenone	0.432	0.429		-0.7	
3+4-Methylphenols	1.132	1.224		8.1	
n-Nitroso-di-n-propylamine	0.903	0.927	0.050	2.7	
Nitrobenzene-d5	0.365	0.361		-1.1	
Hexachloroethane	0.541	0.545		0.7	
Nitrobenzene	0.386	0.394		2.1	
Isophorone	0.638	0.649		1.7	
2-Nitrophenol	0.184	0.193		4.9	20.0
2,4-Dimethylphenol	0.273	0.290		6.2	
bis(2-Chloroethoxy)methane	0.398	0.409		2.8	
2,4-Dichlorophenol	0.317	0.328		3.5	20.0
Naphthalene	0.944	0.957		1.4	
4-Chloroaniline	0.329	0.349		6.1	
Hexachlorobutadiene	0.267	0.260		-2.6	20.0
Caprolactam	0.080	0.084		5.0	
4-Chloro-3-methylphenol	0.280	0.296		5.7	20.0
2-Methylnaphthalene	0.622	0.630		1.3	
Hexachlorocyclopentadiene	0.212	0.181	0.050	-14.6	
2,4,6-Trichlorophenol	0.447	0.466		4.3	20.0
2-Fluorobiphenyl	1.421	1.368		-3.7	
2,4,5-Trichlorophenol	0.469	0.490		4.5	
1,1-Biphenyl	1.432	1.430		-0.1	
2-Chloronaphthalene	1.199	1.242		3.6	
2-Nitroaniline	0.356	0.357		0.3	
Dimethylphthalate	1.311	1.355		3.4	
Acenaphthylene	1.617	1.679		3.8	
2,6-Dinitrotoluene	0.259	0.272		5.0	
3-Nitroaniline	0.288	0.311		8.0	
Acenaphthene	1.080	1.076		-0.4	20.0
2,4-Dinitrophenol	0.140	0.135	0.050	-3.6	
4-Nitrophenol	0.195	0.193	0.050	-1.0	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02
 Lab Code: ACE SDG No.: Q3419
 Instrument ID: BNA_F Calibration Date/Time: 10/29/2025 11:30
 Lab File ID: BF144121.D Init. Calib. Date(s): 10/24/2025 10/24/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.499	1.529		2.0	
2,4-Dinitrotoluene	0.350	0.369		5.4	
Diethylphthalate	1.233	1.231		-0.2	
4-Chlorophenyl-phenylether	0.643	0.660		2.6	
Fluorene	1.143	1.160		1.5	
4-Nitroaniline	0.273	0.277		1.5	
4,6-Dinitro-2-methylphenol	0.128	0.128		0.0	
n-Nitrosodiphenylamine	0.639	0.669		4.7	20.0
2,4,6-Tribromophenol	0.255	0.252		-1.2	
4-Bromophenyl-phenylether	0.250	0.265		6.0	
Hexachlorobenzene	0.307	0.310		1.0	
Atrazine	0.210	0.208		-1.0	
Pentachlorophenol	0.146	0.162		11.0	20.0
Phenanthrene	0.994	1.031		3.7	
Anthracene	1.026	1.051		2.4	
Carbazole	0.874	0.888		1.6	
Di-n-butylphthalate	1.071	1.096		2.3	
Fluoranthene	1.098	1.097		-0.1	20.0
Pyrene	1.438	1.509		4.9	
Terphenyl-d14	1.144	1.166		1.9	
Butylbenzylphthalate	0.544	0.562		3.3	
3,3-Dichlorobenzidine	0.470	0.520		10.6	
Benzo (a) anthracene	1.352	1.439		6.4	
Chrysene	1.268	1.339		5.6	
Bis (2-ethylhexyl) phthalate	0.743	0.791		6.5	
Di-n-octyl phthalate	1.277	1.456		14.0	20.0
Benzo (b) fluoranthene	1.131	1.146		1.3	
Benzo (k) fluoranthene	1.043	1.131		8.4	
Benzo (a) pyrene	1.014	1.085		7.0	20.0
Indeno (1,2,3-cd) pyrene	1.373	1.487		8.3	
Dibenzo (a,h) anthracene	1.087	1.186		9.1	
Benzo (g,h,i) perylene	1.093	1.183		8.2	
1,2,4,5-Tetrachlorobenzene	0.687	0.695		1.2	
1,4-Dioxane	0.546	0.560		2.6	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.352		6.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	61447	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	232371	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	124035	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	207074	20.000	ng	0.00
76) Chrysene-d12	14.057	240	153131	20.000	ng	0.00
86) Perylene-d12	15.539	264	204043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	330929	85.206	ng	0.00
7) Phenol-d6	6.504	99	358957	83.686	ng	0.00
23) Nitrobenzene-d5	7.445	82	335980	79.215	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	124844	79.017	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	678951	77.029	ng	0.00
79) Terphenyl-d14	12.992	244	714068	81.522	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.610	88	68837	41.016	ng	98
3) Pyridine	3.381	79	193889	43.152	ng	98
4) n-Nitrosodimethylamine	3.328	42	101090	36.615	ng	93
6) Aniline	6.540	93	257784	42.009	ng	99
8) 2-Chlorophenol	6.663	128	157734	41.239	ng	99
9) Benzaldehyde	6.428	77	129140	38.777	ng	98
10) Phenol	6.522	94	226466	42.796	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	163647	42.797	ng	94
12) 1,3-Dichlorobenzene	6.822	146	200122	42.415	ng	98
13) 1,4-Dichlorobenzene	6.898	146	196909	42.348	ng	98
14) 1,2-Dichlorobenzene	7.045	146	186585	41.472	ng	98
15) Benzyl Alcohol	7.022	79	144053	41.303	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	302282	42.062	ng	92
17) 2-Methylphenol	7.128	107	124615	42.361	ng	96
18) Hexachloroethane	7.392	117	66998	40.302	ng	99
19) n-Nitroso-di-n-propyla...	7.287	70	113931	41.075	ng	95
20) 3+4-Methylphenols	7.281	107	150418	43.254	ng	96
22) Acetophenone	7.287	105	199329	39.693	ng	100
24) Nitrobenzene	7.463	77	182876	40.760	ng	99
25) Isophorone	7.698	82	301404	40.647	ng	99
26) 2-Nitrophenol	7.775	139	89681	42.017	ng	98
27) 2,4-Dimethylphenol	7.810	122	134777	42.492	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	190207	41.132	ng	98
29) 2,4-Dichlorophenol	8.016	162	152408	41.318	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	155305	40.926	ng	98
31) Naphthalene	8.187	128	444899	40.566	ng	98
32) Benzoic acid	7.922	122	87292	43.387	ng	86
33) 4-Chloroaniline	8.234	127	162085	42.453	ng	96
34) Hexachlorobutadiene	8.298	225	120689	38.895	ng	99
35) Caprolactam	8.598	113	39199	42.378	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	137486	42.237	ng	96
37) 2-Methylnaphthalene	8.875	142	292579	40.463	ng	95
38) 1-Methylnaphthalene	8.975	142	278578	40.665	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	172358	40.433	ng	99
41) Hexachlorocyclopentadiene	9.028	237	44780	34.011	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	115708	41.760	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144121.D
 Acq On : 29 Oct 2025 11:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

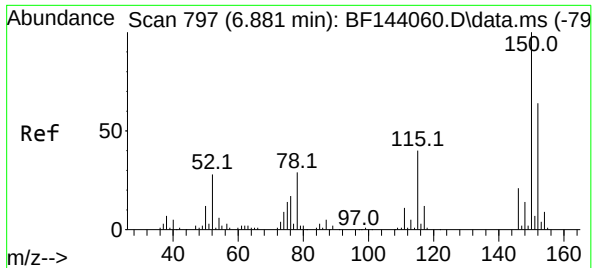
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	121526	41.791	ng	96
46) 1,1'-Biphenyl	9.339	154	354773	39.957	ng	99
47) 2-Chloronaphthalene	9.363	162	307997	41.405	ng	96
48) 2-Nitroaniline	9.457	65	88438	40.037	ng	95
49) Acenaphthylene	9.781	152	416607	41.536	ng	99
50) Dimethylphthalate	9.634	163	336124	41.342	ng	99
51) 2,6-Dinitrotoluene	9.698	165	67580	42.046	ng	95
52) Acenaphthene	9.951	154	266968	39.855	ng	98
53) 3-Nitroaniline	9.869	138	77266	43.238	ng	99
54) 2,4-Dinitrophenol	9.981	184	33608	38.660	ng	90
55) Dibenzofuran	10.122	168	379280	40.786	ng	98
56) 4-Nitrophenol	10.034	139	47859	39.550	ng	89
57) 2,4-Dinitrotoluene	10.104	165	91495	42.178	ng	95
58) Fluorene	10.469	166	287737	40.609	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	87320	42.612	ng	98
60) Diethylphthalate	10.333	149	305410	39.944	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	163745	41.094	ng	96
62) 4-Nitroaniline	10.486	138	68617	40.525	ng	94
63) Azobenzene	10.616	77	289198	39.963	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	52916	39.830	ng	98
66) n-Nitrosodiphenylamine	10.575	169	277049	41.875	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	109675	42.302	ng	96
68) Hexachlorobenzene	11.016	284	128445	40.395	ng	98
69) Atrazine	11.104	200	86008	39.616	ng	98
70) Pentachlorophenol	11.210	266	67248	44.431	ng	97
71) Phenanthrene	11.433	178	427157	41.526	ng	98
72) Anthracene	11.486	178	435076	40.944	ng	99
73) Carbazole	11.639	167	367780	40.663	ng	99
74) Di-n-butylphthalate	11.963	149	453989	40.941	ng	99
75) Fluoranthene	12.622	202	454294	39.974	ng	99
77) Benzidine	12.745	184	201262	42.231	ng	99
78) Pyrene	12.851	202	462034	41.969	ng	100
80) Butylbenzylphthalate	13.469	149	172222	41.351	ng	99
81) Benzo(a)anthracene	14.045	228	440710	42.586	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	159124	44.172	ng	100
83) Chrysene	14.080	228	410191	42.239	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	242344	42.623	ng	98
85) Di-n-octyl phthalate	14.639	149	446067	45.619	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	606674	43.307	ng	100
88) Benzo(b)fluoranthene	15.104	252	467688	40.544	ng	100
89) Benzo(k)fluoranthene	15.133	252	461643	43.376	ng	99
90) Benzo(a)pyrene	15.474	252	442928	42.801	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	484044	43.651	ng	100
92) Benzo(g,h,i)perylene	17.504	276	482661	43.293	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

- 1
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- 17
- 18

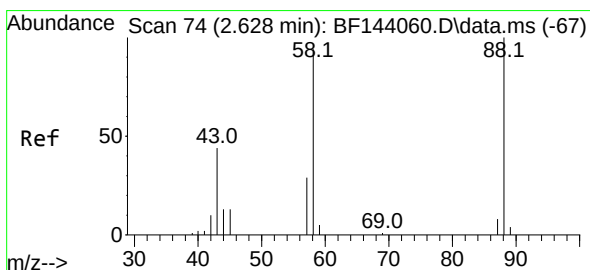
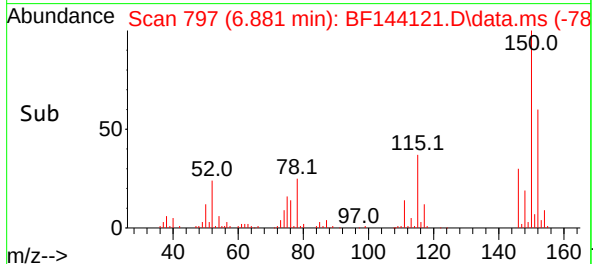
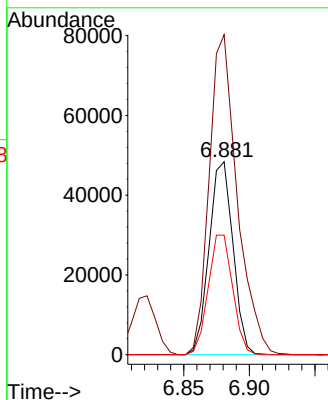
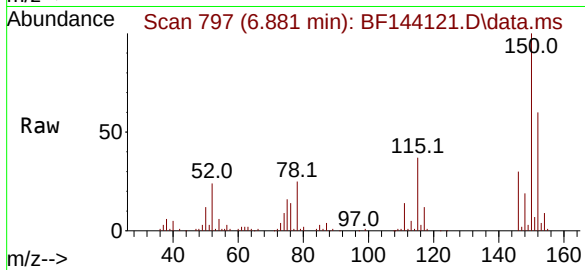




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF144121.D
 Acq: 29 Oct 2025 11:30

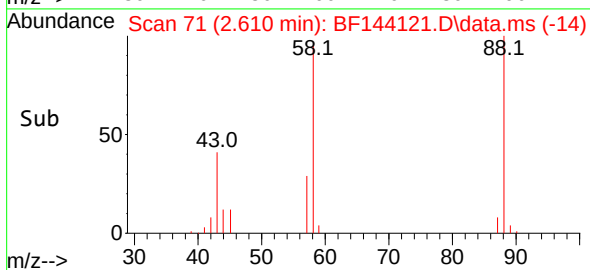
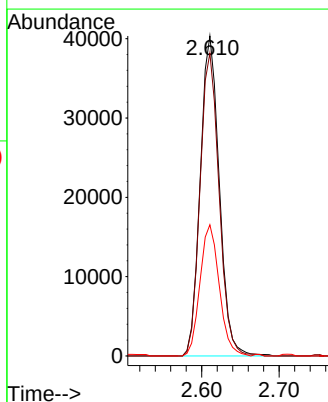
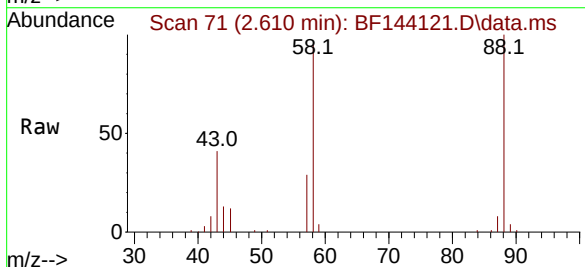
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

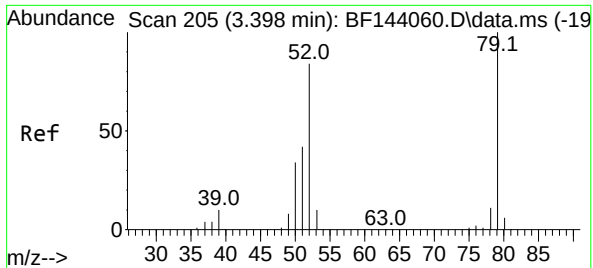
Tgt Ion:152 Resp: 61447
 Ion Ratio Lower Upper
 152 100
 150 165.8 124.4 186.6
 115 61.9 49.4 74.0



#2
 1,4-Dioxane
 Concen: 41.016 ng
 RT: 2.610 min Scan# 71
 Delta R.T. -0.017 min
 Lab File: BF144121.D
 Acq: 29 Oct 2025 11:30

Tgt Ion: 88 Resp: 68837
 Ion Ratio Lower Upper
 88 100
 58 94.6 76.5 114.7
 43 41.5 35.3 52.9

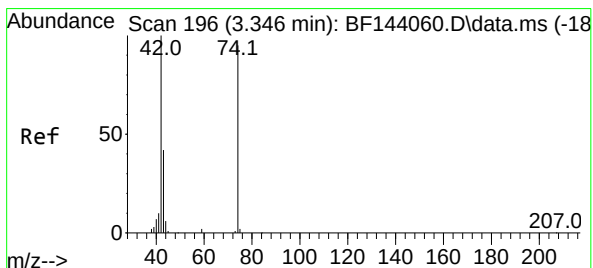
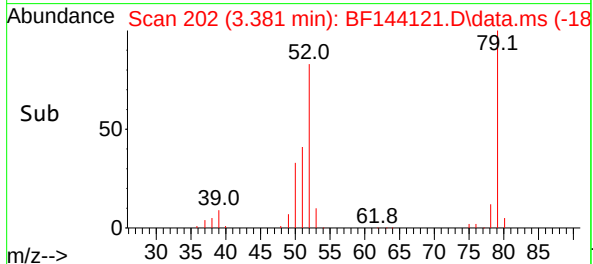
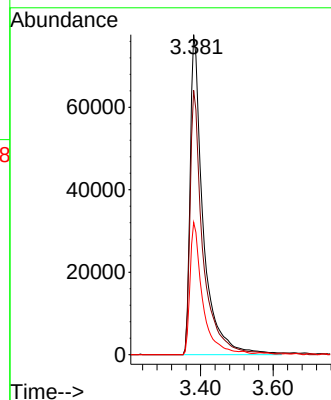
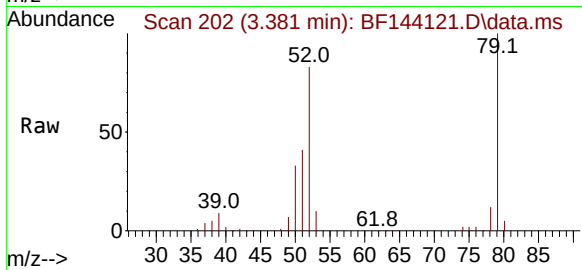




#3
Pyridine
Concen: 43.152 ng
RT: 3.381 min Scan# 205
Delta R.T. -0.018 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

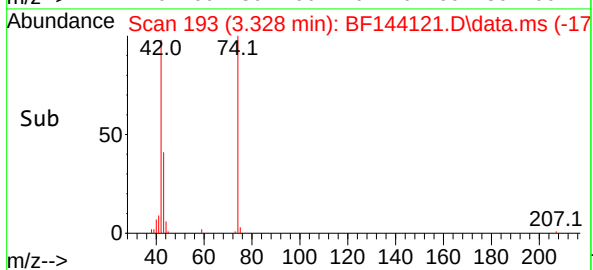
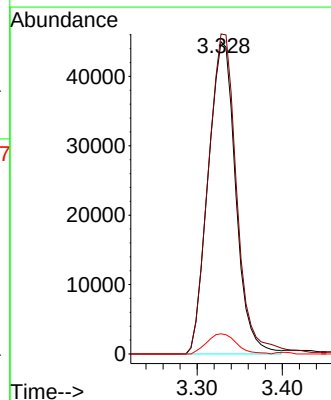
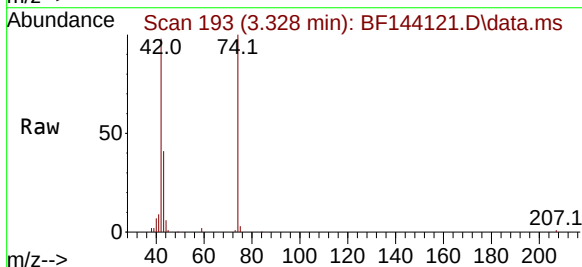
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

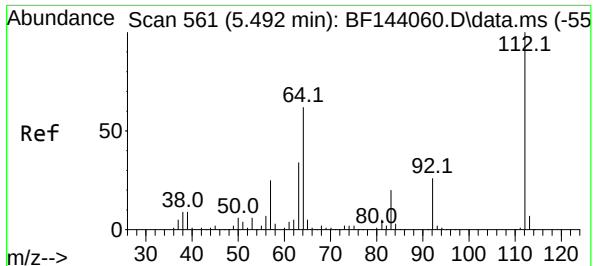
Tgt Ion: 79 Resp: 193889
Ion Ratio Lower Upper
79 100
52 82.6 67.5 101.3
51 41.4 33.6 50.4



#4
n-Nitrosodimethylamine
Concen: 36.615 ng
RT: 3.328 min Scan# 193
Delta R.T. -0.017 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 42 Resp: 101090
Ion Ratio Lower Upper
42 100
74 102.5 76.4 114.6
44 6.5 5.2 7.8

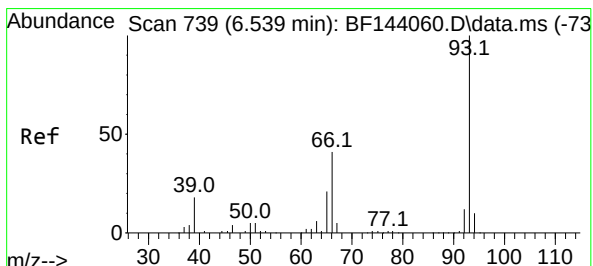
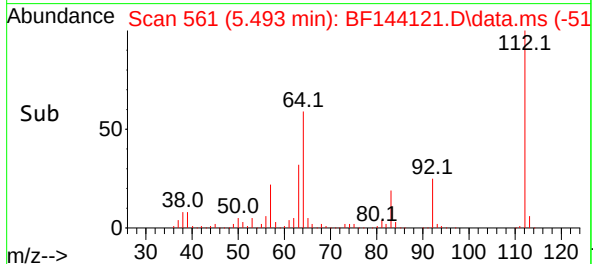
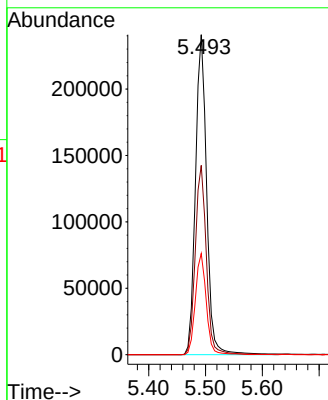
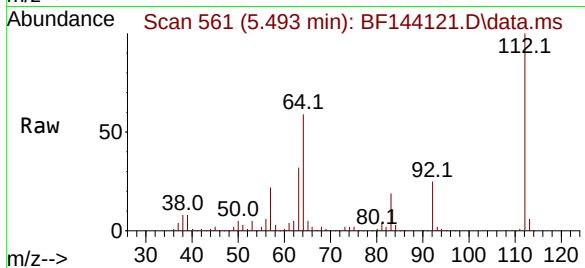




#5
2-Fluorophenol
Concen: 85.206 ng
RT: 5.493 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

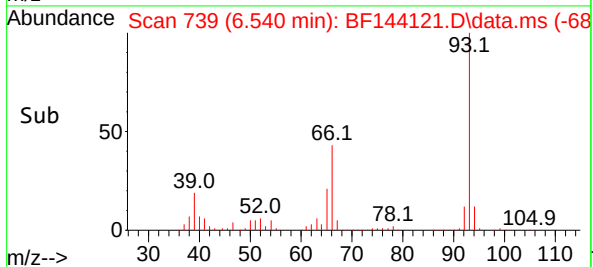
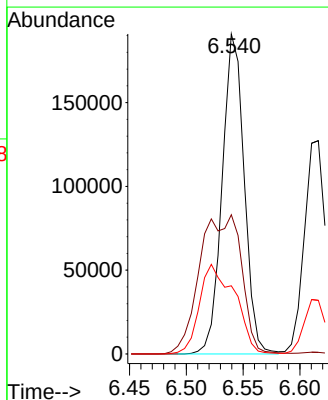
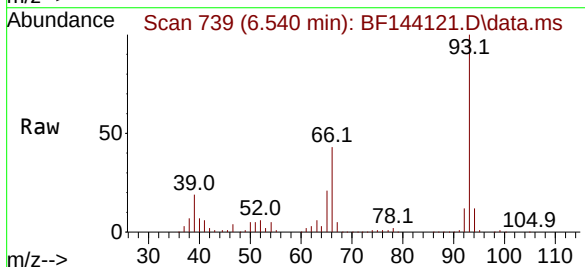
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

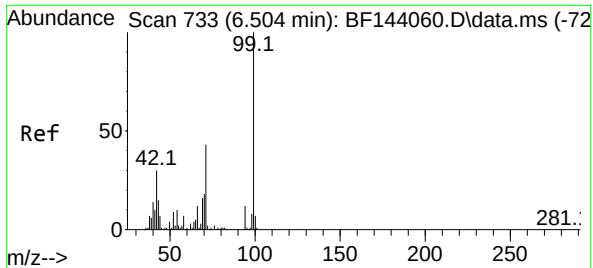
Tgt Ion:112 Resp: 330929
Ion Ratio Lower Upper
112 100
64 59.1 49.8 74.8
63 31.6 27.4 41.2



#6
Aniline
Concen: 42.009 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 93 Resp: 257784
Ion Ratio Lower Upper
93 100
66 43.5 35.7 53.5
65 21.3 17.0 25.6

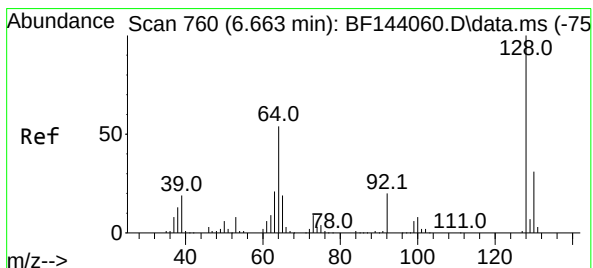
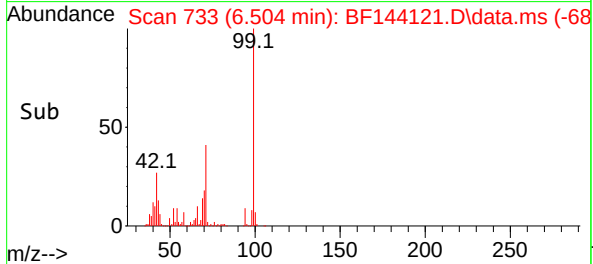
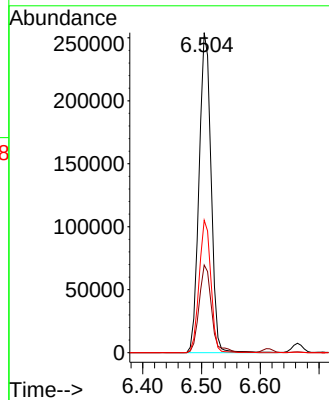
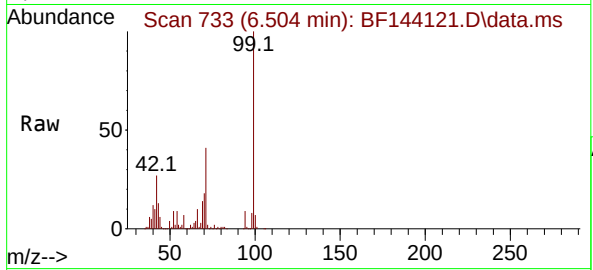




#7
Phenol-d6
Concen: 83.686 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

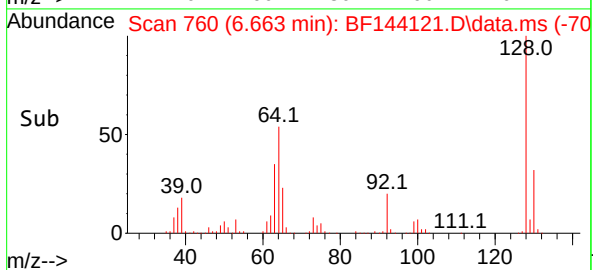
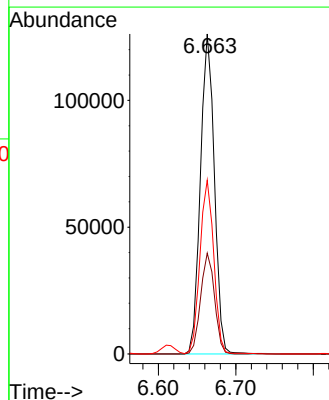
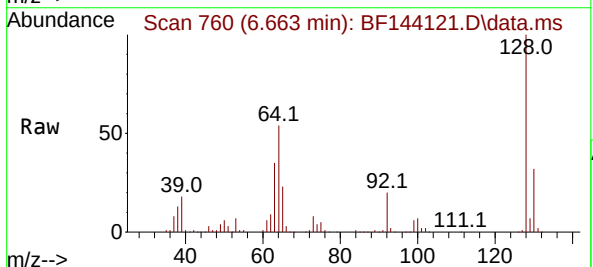
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

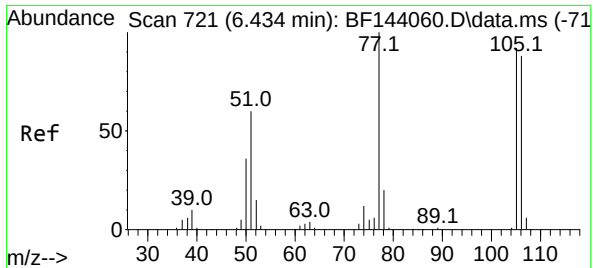
Tgt Ion: 99 Resp: 358957
Ion Ratio Lower Upper
99 100
42 27.4 23.9 35.9
71 41.4 34.4 51.6



#8
2-Chlorophenol
Concen: 41.239 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 128 Resp: 157734
Ion Ratio Lower Upper
128 100
130 31.5 10.7 50.7
64 54.3 34.7 74.7



#9
Benzaldehyde

Concen: 38.777 ng

RT: 6.428 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

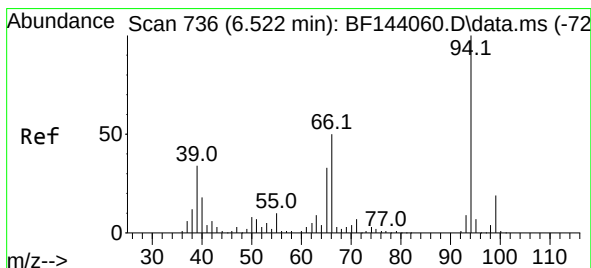
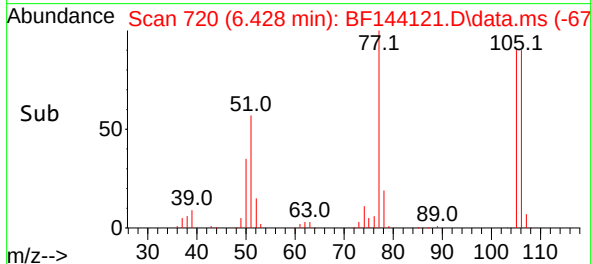
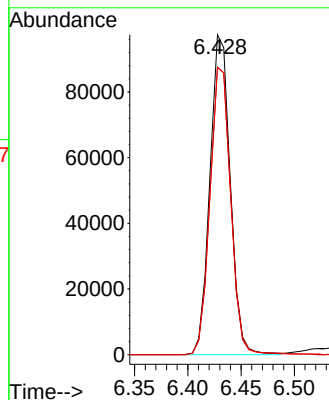
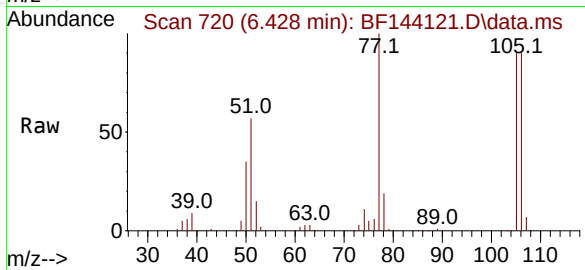
Tgt Ion: 77 Resp: 129140

Ion Ratio Lower Upper

77 100

105 89.9 72.2 112.2

106 89.8 67.9 107.9



#10

Phenol

Concen: 42.796 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

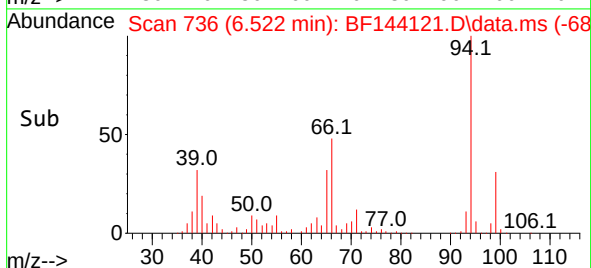
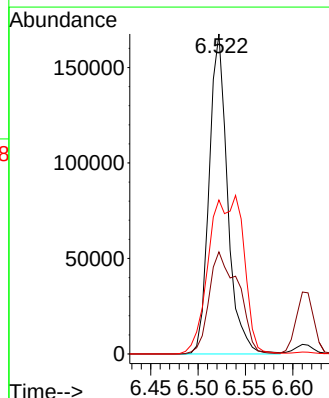
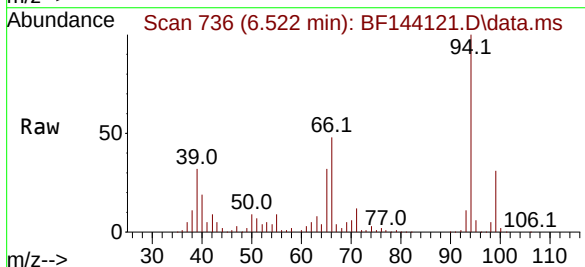
Tgt Ion: 94 Resp: 226466

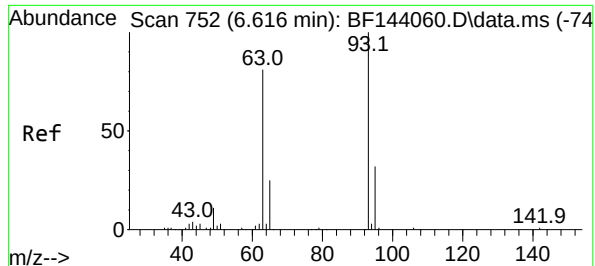
Ion Ratio Lower Upper

94 100

65 31.9 13.1 53.1

66 48.1 30.6 70.6





#11

bis(2-Chloroethyl)ether

Concen: 42.797 ng

RT: 6.616 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

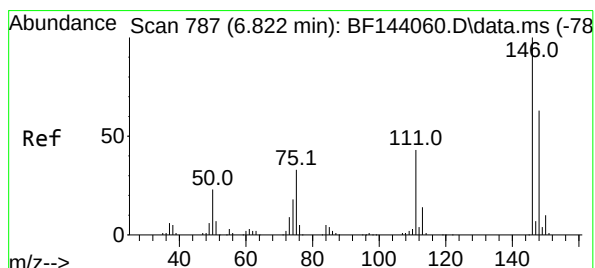
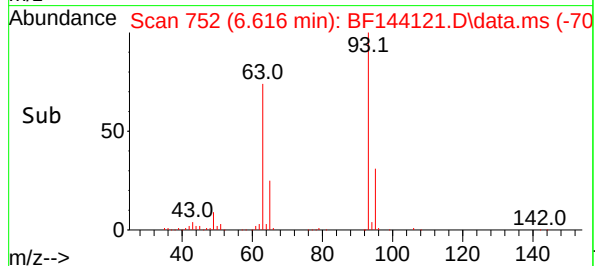
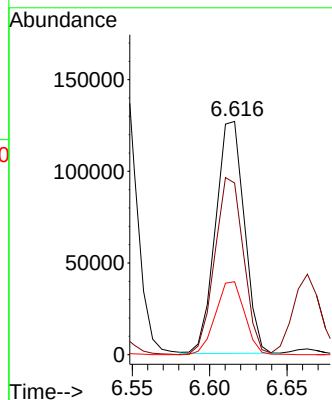
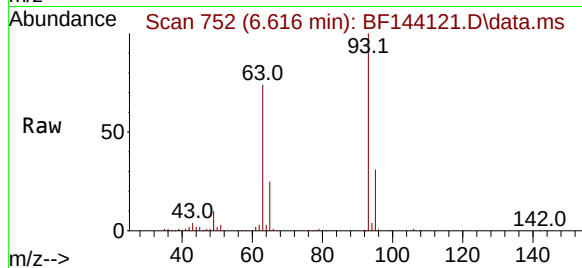
Tgt Ion: 93 Resp: 163647

Ion Ratio Lower Upper

93 100

63 73.6 60.2 100.2

95 31.3 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 42.415 ng

RT: 6.822 min Scan# 787

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

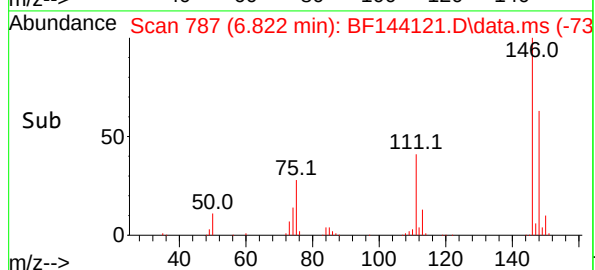
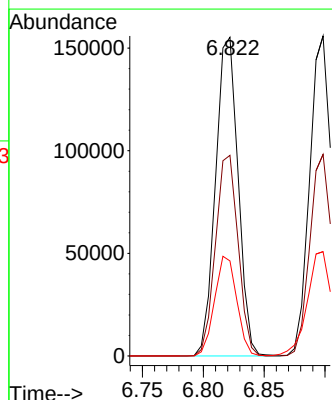
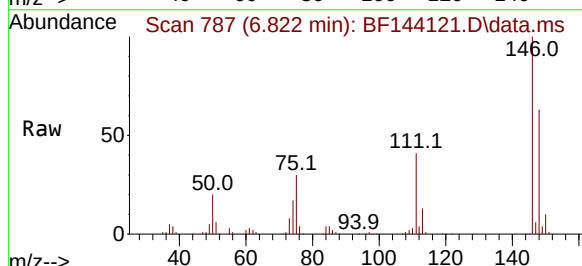
Tgt Ion: 146 Resp: 200122

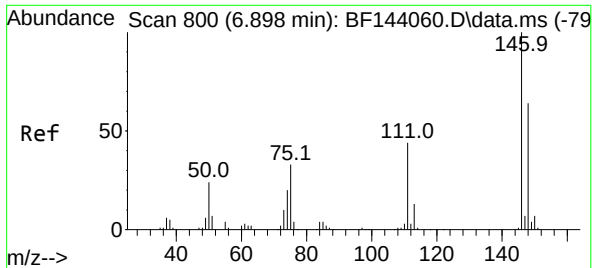
Ion Ratio Lower Upper

146 100

148 63.0 50.6 75.8

75 29.8 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 42.348 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

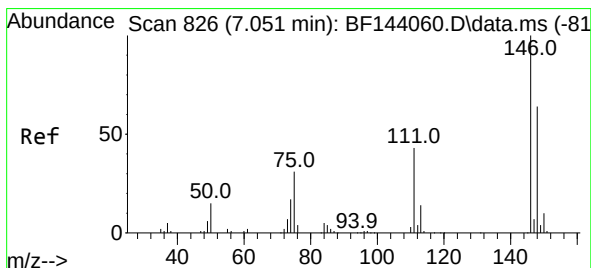
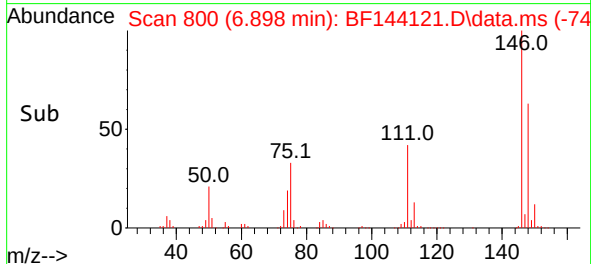
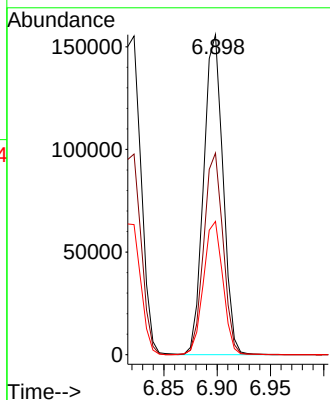
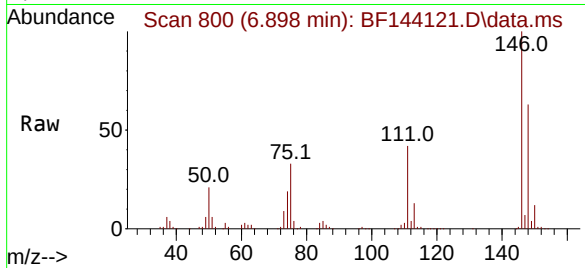
Tgt Ion:146 Resp: 196909

Ion Ratio Lower Upper

146 100

148 63.0 51.0 76.6

111 41.6 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 41.472 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

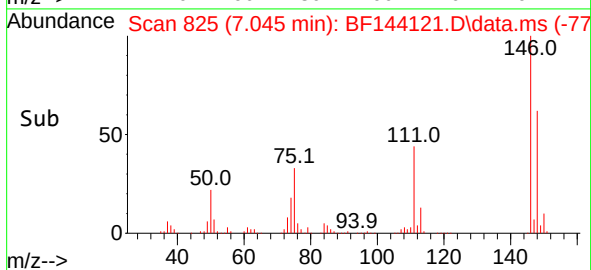
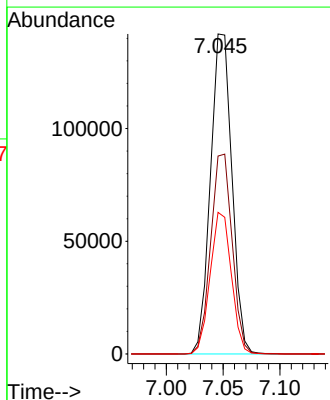
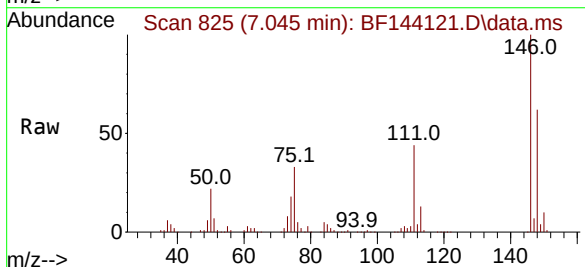
Tgt Ion:146 Resp: 186585

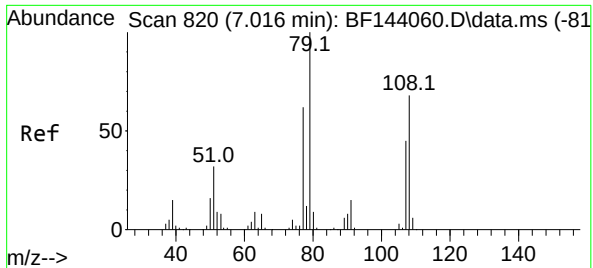
Ion Ratio Lower Upper

146 100

148 61.9 50.8 76.2

111 44.3 34.7 52.1

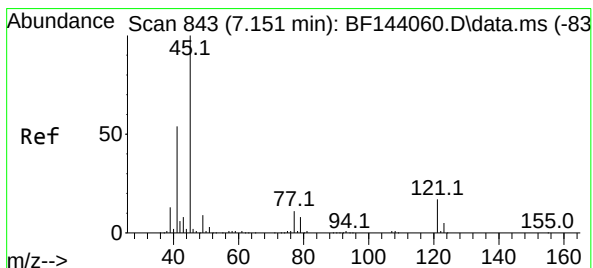
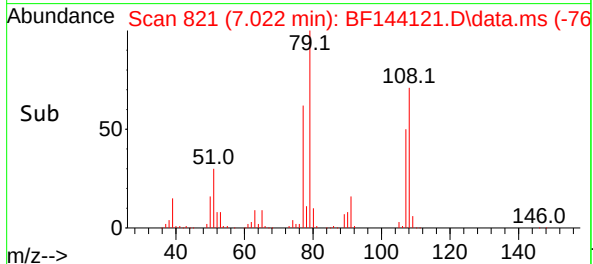
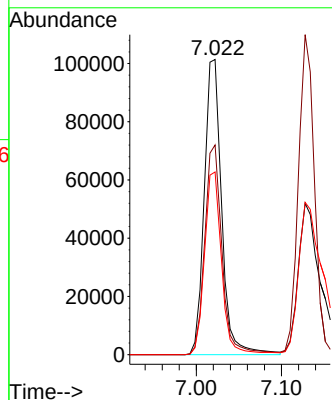
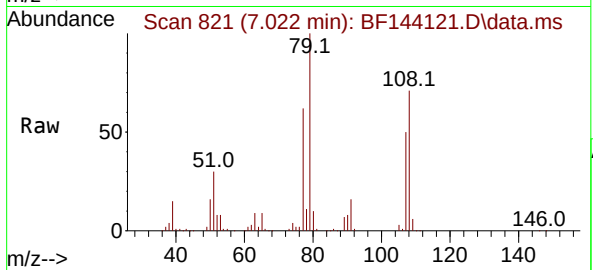




#15
Benzyl Alcohol
Concen: 41.303 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

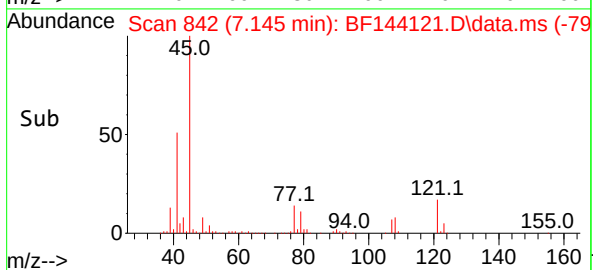
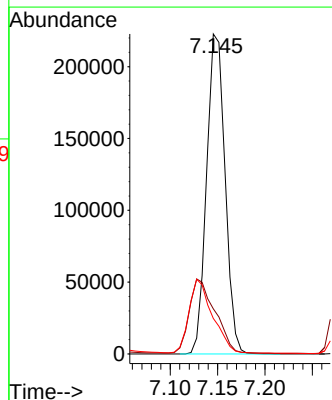
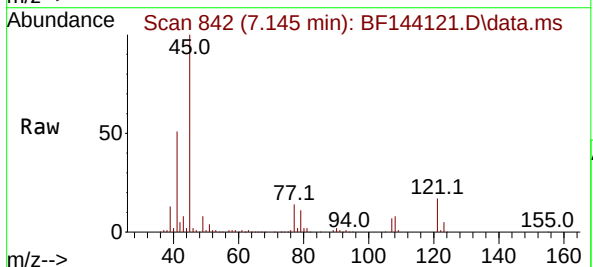
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

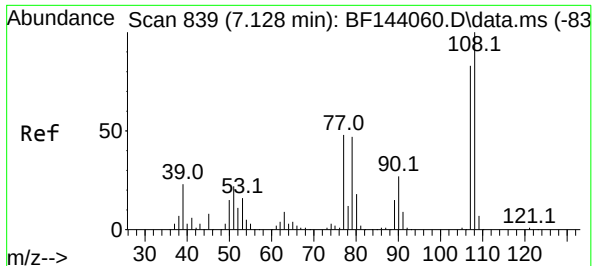
Tgt Ion: 79 Resp: 144053
Ion Ratio Lower Upper
79 100
108 71.1 54.8 82.2
77 61.9 49.4 74.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 42.062 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion: 45 Resp: 302282
Ion Ratio Lower Upper
45 100
77 14.1 0.0 30.9
79 11.1 0.0 28.2



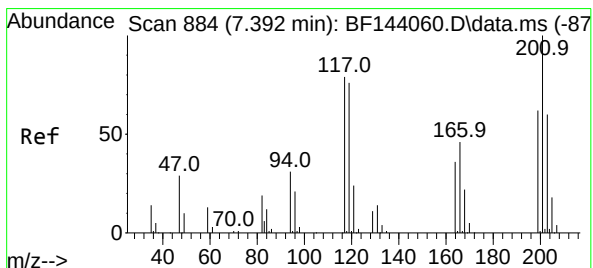
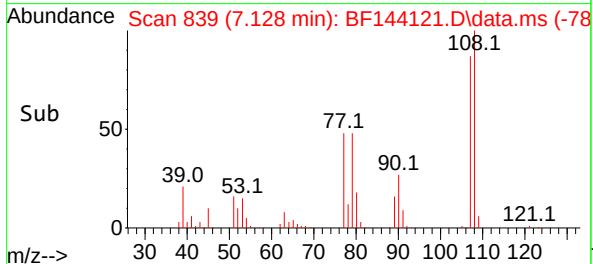
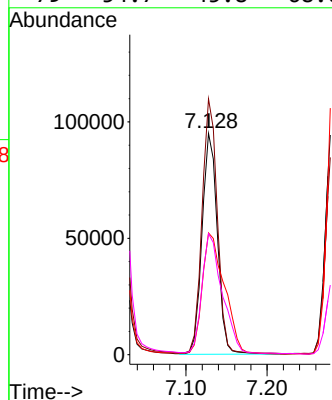
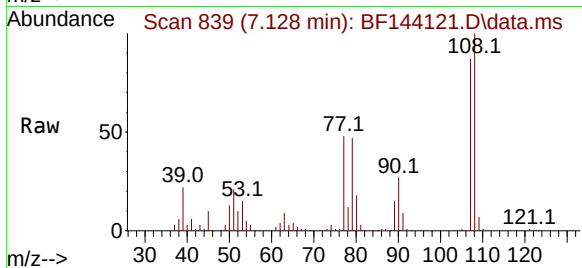


#17
2-Methylphenol
Concen: 42.361 ng
RT: 7.128 min Scan# 839
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 124615

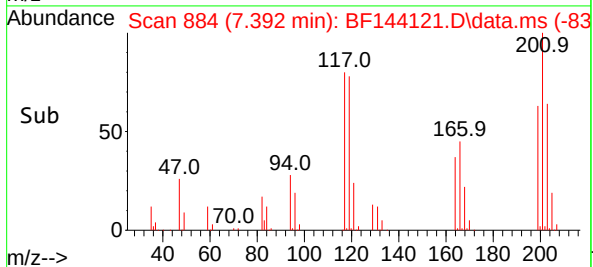
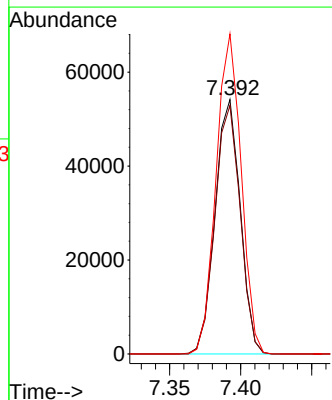
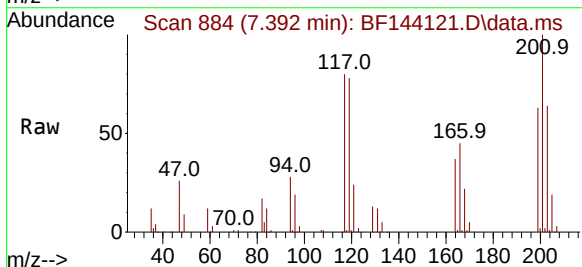
Ion	Ratio	Lower	Upper
107	100		
108	115.6	96.4	144.6
77	55.0	46.8	70.2
79	54.7	45.8	68.6

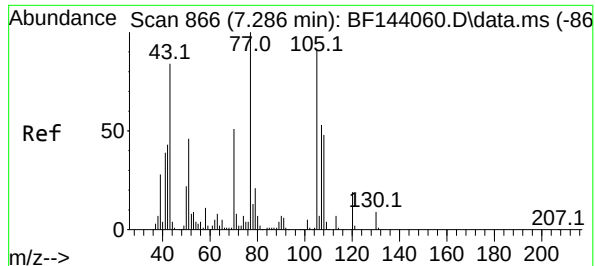


#18
Hexachloroethane
Concen: 40.302 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:117 Resp: 66998

Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.6	115.0
201	125.8	100.9	151.3





#19

n-Nitroso-di-n-propylamine

Concen: 41.075 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 113931

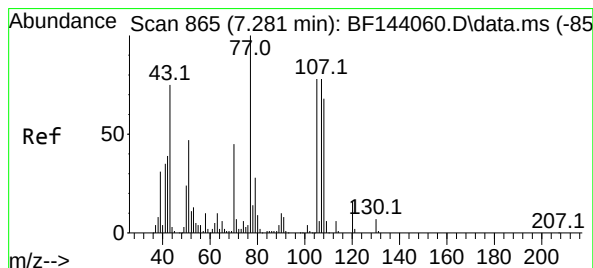
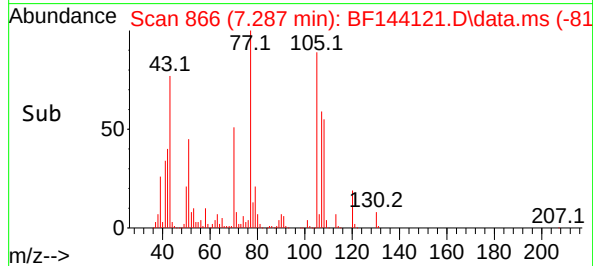
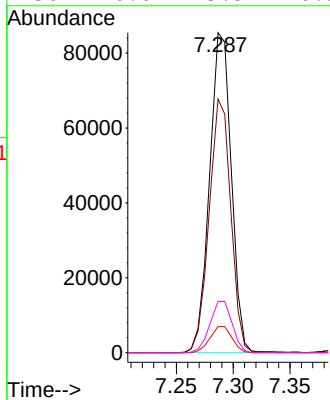
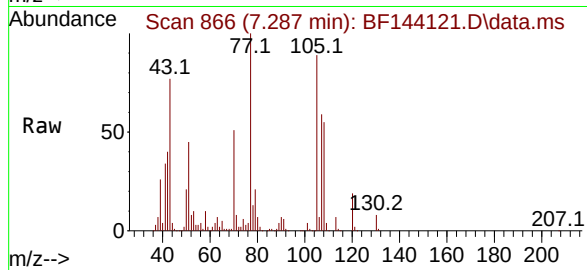
Ion Ratio Lower Upper

70 100

42 79.3 67.4 101.0

101 8.1 7.1 10.7

130 16.0 13.5 20.3



#20

3+4-Methylphenols

Concen: 43.254 ng

RT: 7.281 min Scan# 865

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Tgt Ion: 107 Resp: 150418

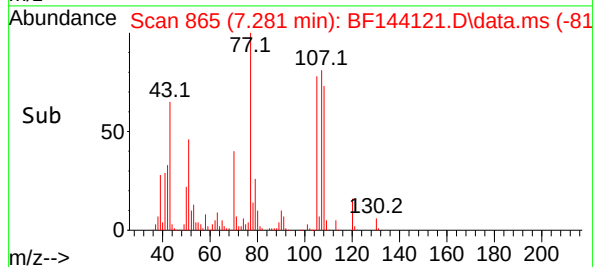
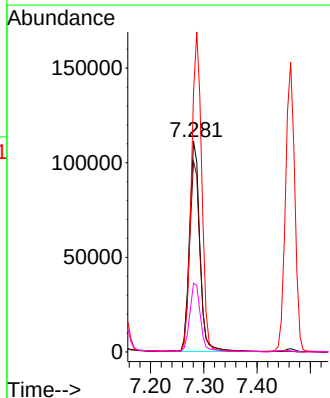
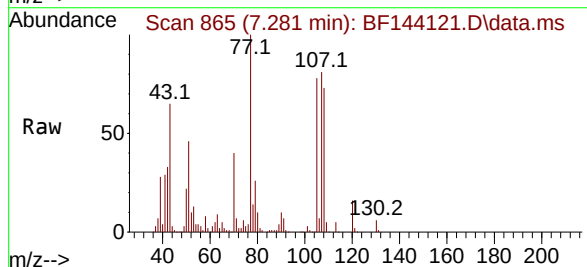
Ion Ratio Lower Upper

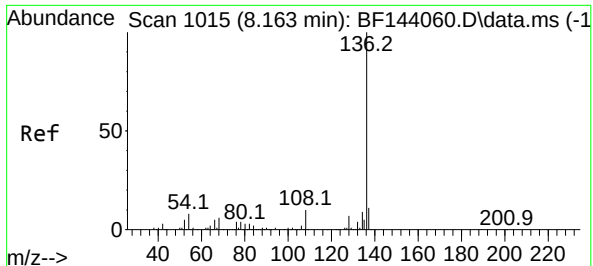
107 100

108 90.5 68.0 108.0

77 123.6 108.7 148.7

79 32.6 16.7 56.7

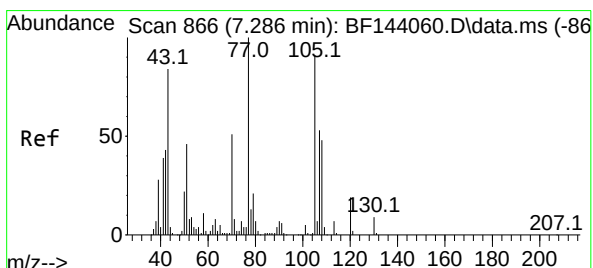
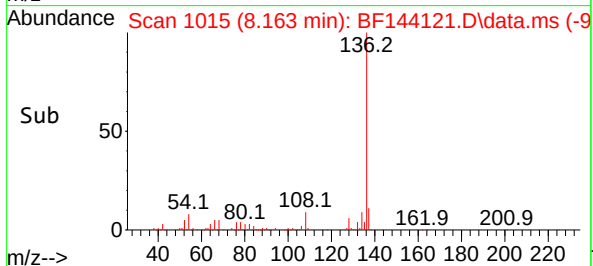
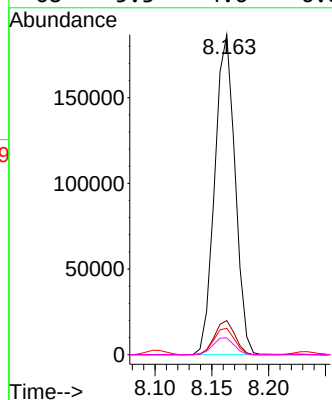
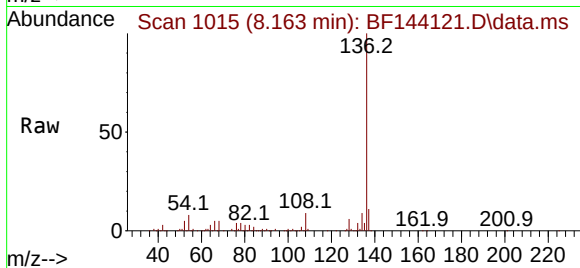




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

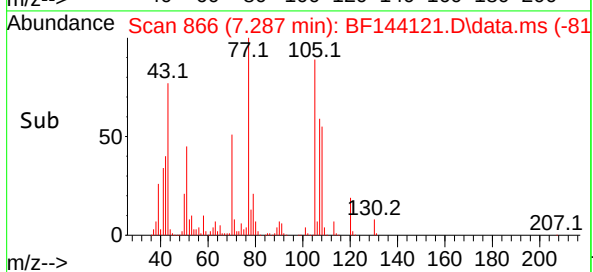
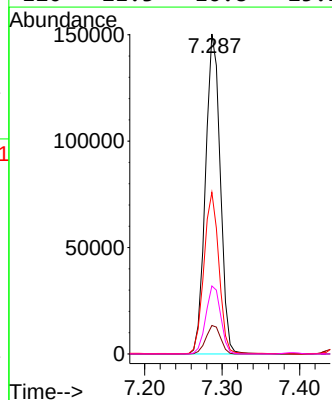
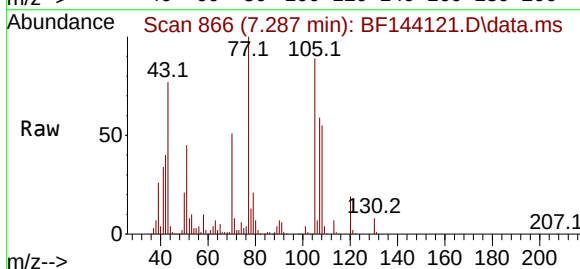
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

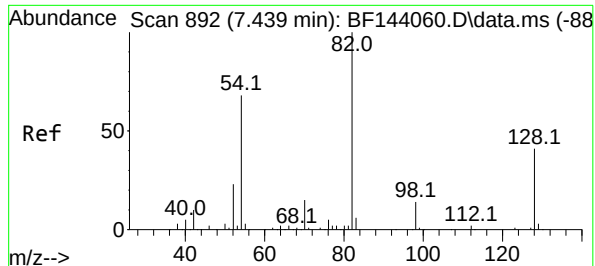
Tgt Ion:136 Resp: 232371
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.3 6.6 9.8
68 5.3 4.6 6.8



#22
Acetophenone
Concen: 39.693 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:105 Resp: 199329
Ion Ratio Lower Upper
105 100
71 8.9 6.9 10.3
51 50.5 40.6 60.8
120 21.3 16.8 25.2





#23

Nitrobenzene-d5

Concen: 79.215 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

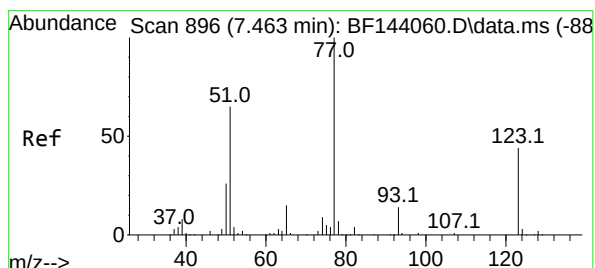
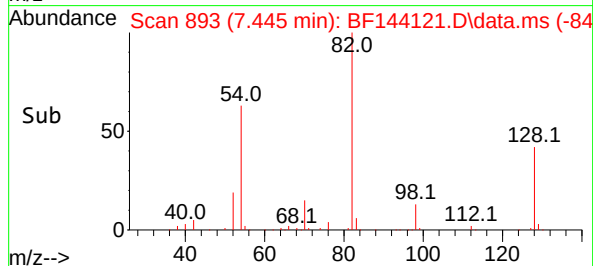
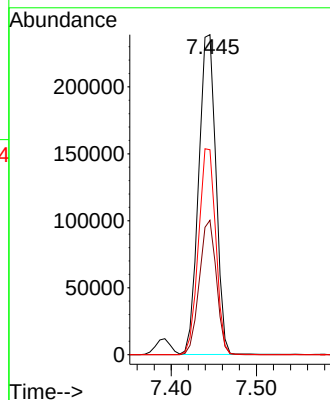
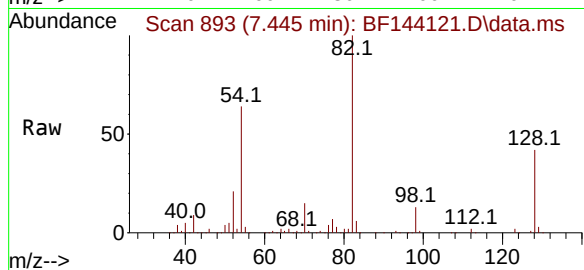
Tgt Ion: 82 Resp: 335980

Ion Ratio Lower Upper

82 100

128 42.0 32.4 48.6

54 64.0 54.0 81.0



#24

Nitrobenzene

Concen: 40.760 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

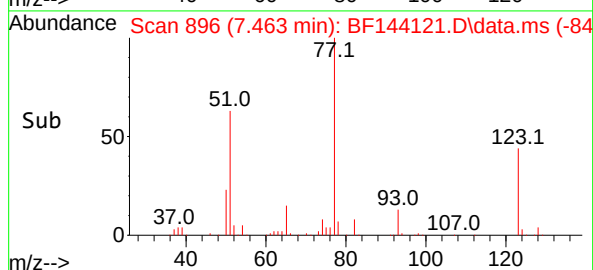
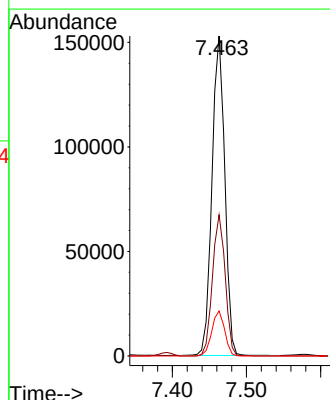
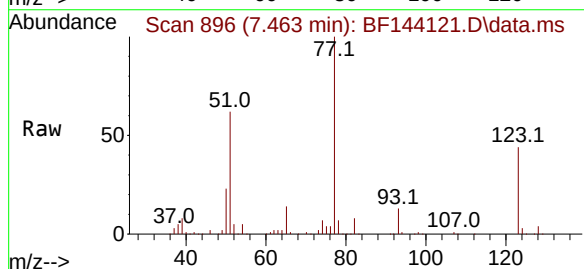
Tgt Ion: 77 Resp: 182876

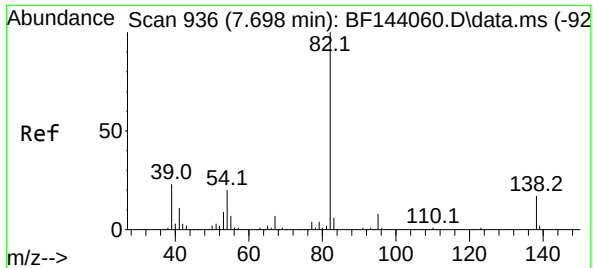
Ion Ratio Lower Upper

77 100

123 44.1 35.0 52.6

65 14.1 12.2 18.2

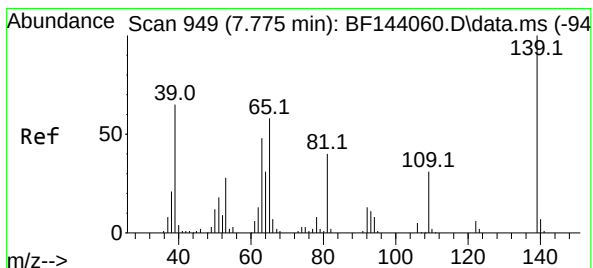
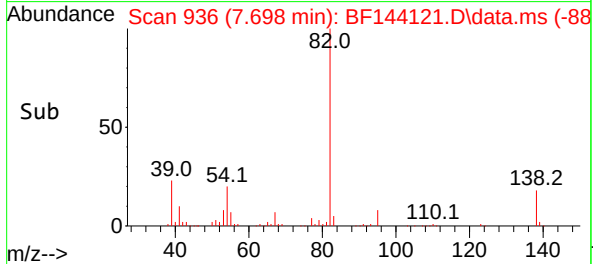
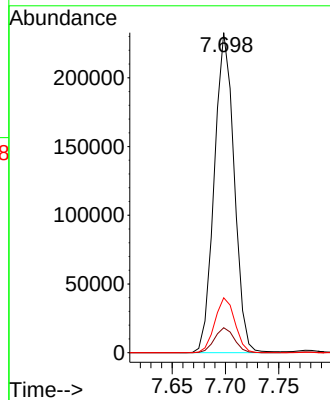
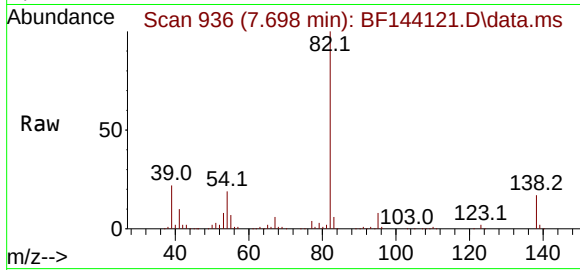




#25
Isophorone
Concen: 40.647 ng
RT: 7.698 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

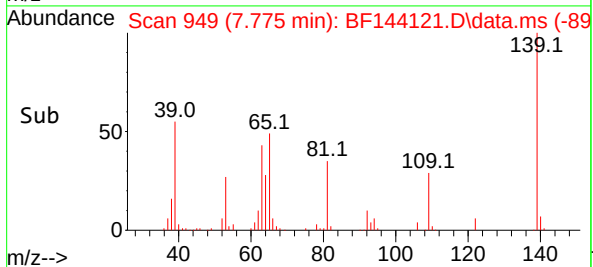
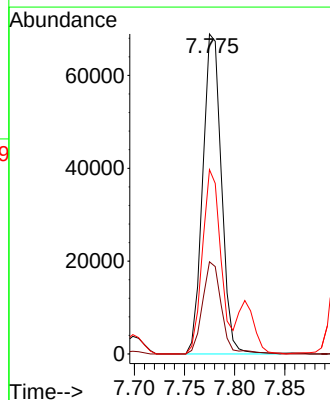
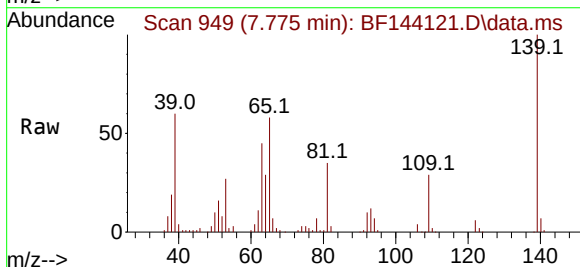
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

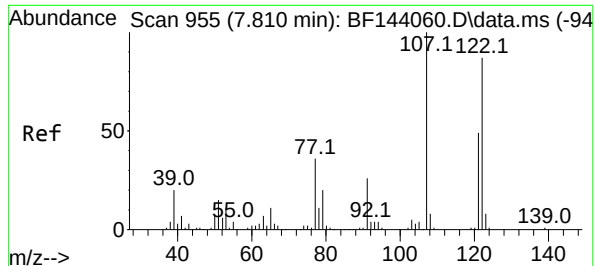
Tgt Ion:	82	Resp:	301404
Ion Ratio	Lower	Upper	
82	100		
95	7.8	6.6	9.8
138	17.1	13.8	20.8



#26
2-Nitrophenol
Concen: 42.017 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:	139	Resp:	89681
Ion Ratio	Lower	Upper	
139	100		
109	28.8	24.6	37.0
65	57.6	46.6	69.8





#27

2,4-Dimethylphenol

Concen: 42.492 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

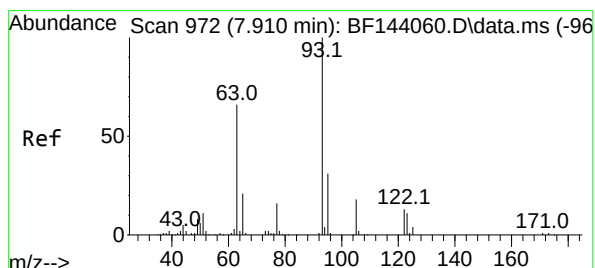
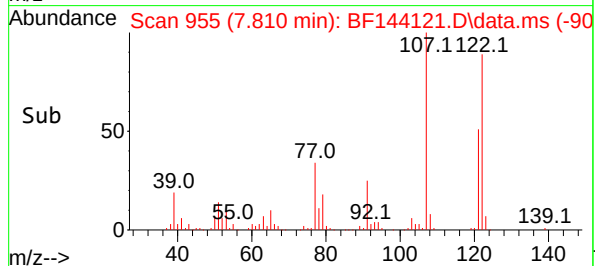
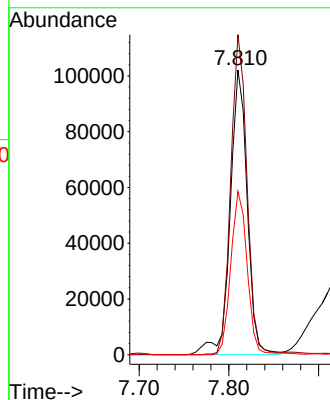
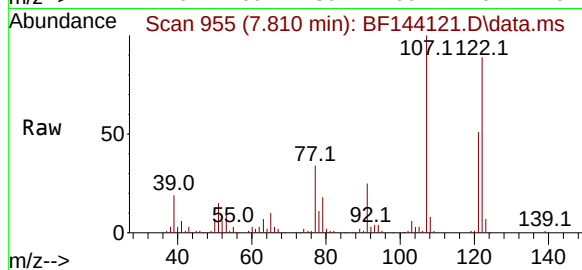
Tgt Ion:122 Resp: 134777

Ion Ratio Lower Upper

122 100

107 112.4 91.8 137.8

121 57.3 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 41.132 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

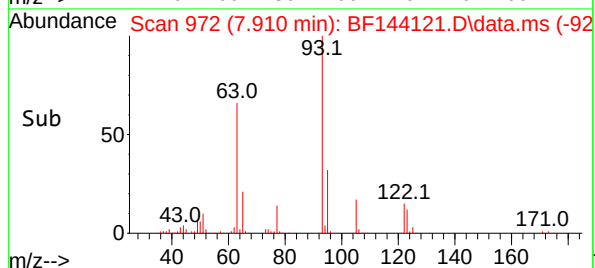
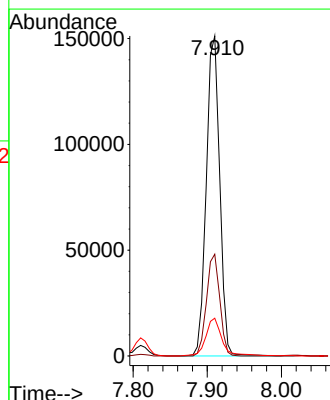
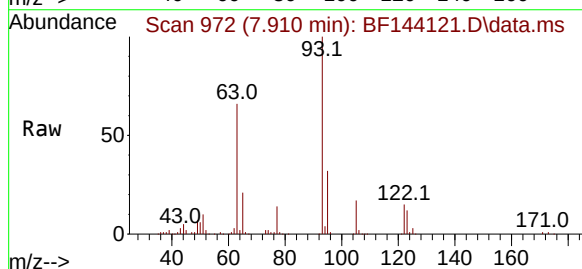
Tgt Ion: 93 Resp: 190207

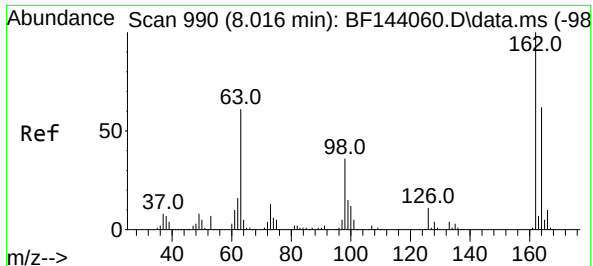
Ion Ratio Lower Upper

93 100

95 31.8 24.6 36.8

123 11.8 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 41.318 ng

RT: 8.016 min Scan# 99

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

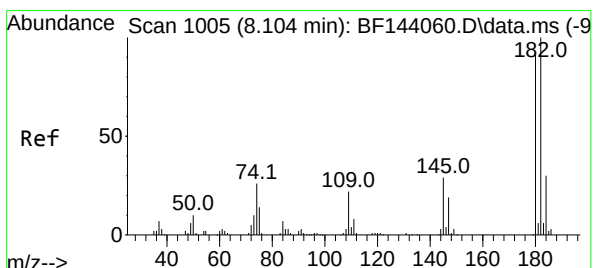
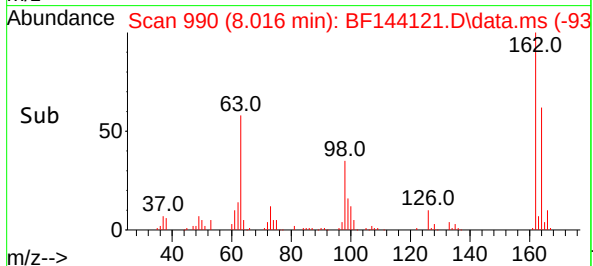
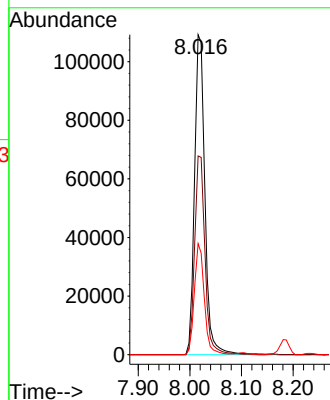
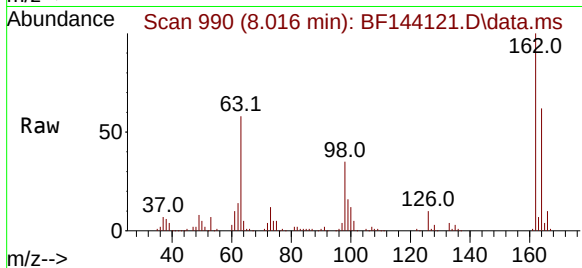
Tgt Ion:162 Resp: 152408

Ion Ratio Lower Upper

162 100

164 62.1 42.1 82.1

98 34.7 16.0 56.0



#30

1,2,4-Trichlorobenzene

Concen: 40.926 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

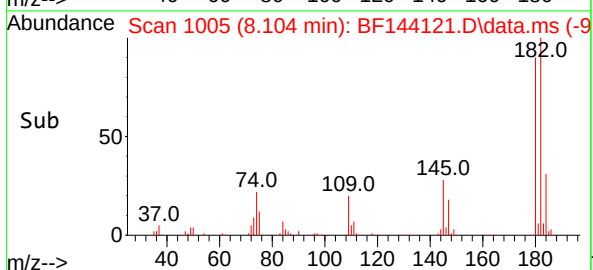
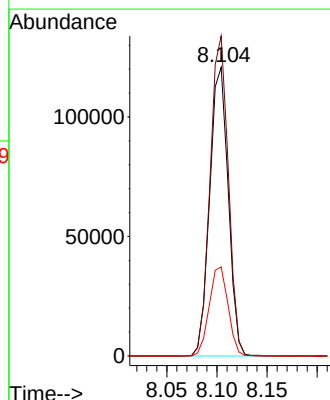
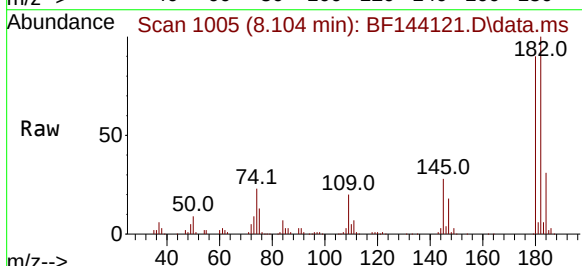
Tgt Ion:180 Resp: 155305

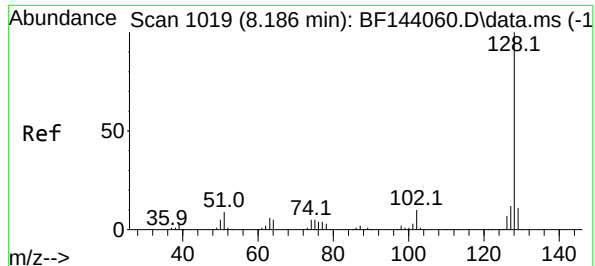
Ion Ratio Lower Upper

180 100

182 110.8 87.1 130.7

145 30.9 25.3 37.9





#31

Naphthalene

Concen: 40.566 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

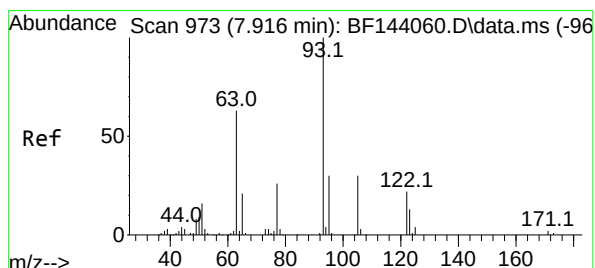
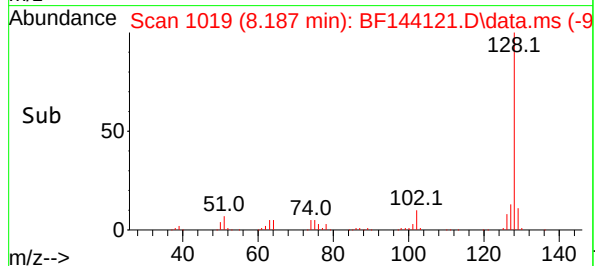
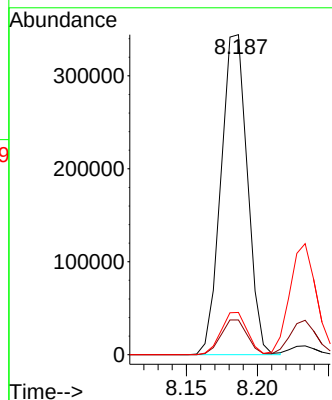
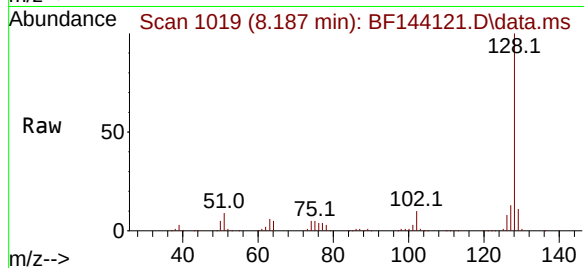
Tgt Ion:128 Resp: 444899

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

127 13.2 9.9 14.9



#32

Benzoic acid

Concen: 43.387 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

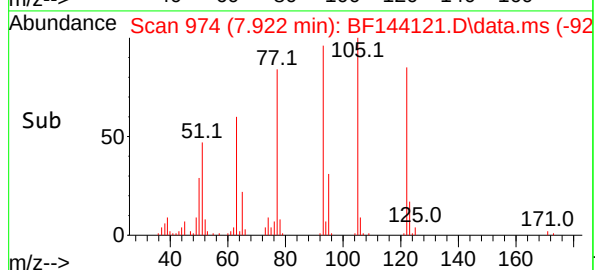
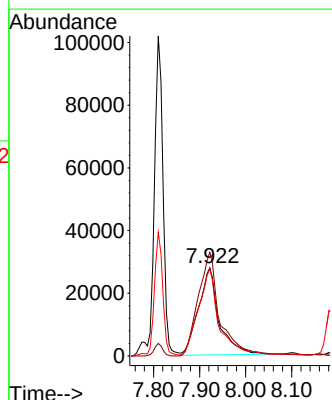
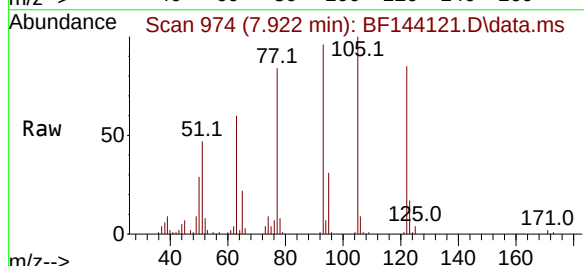
Tgt Ion:122 Resp: 87292

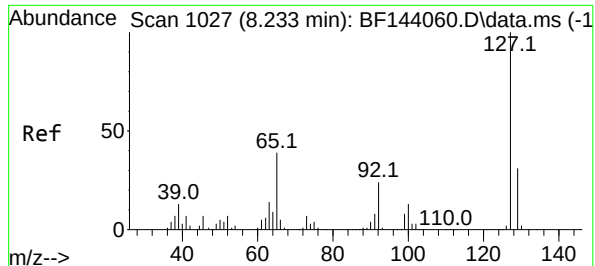
Ion Ratio Lower Upper

122 100

105 117.6 111.3 151.3

77 98.7 96.7 136.7





#33

4-Chloroaniline

Concen: 42.453 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 162085

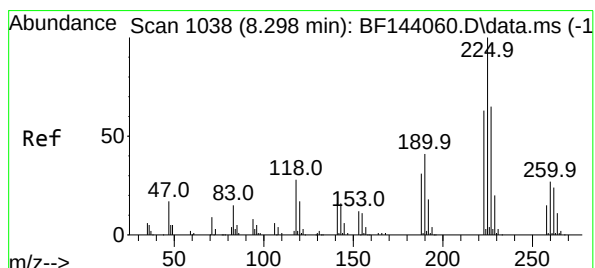
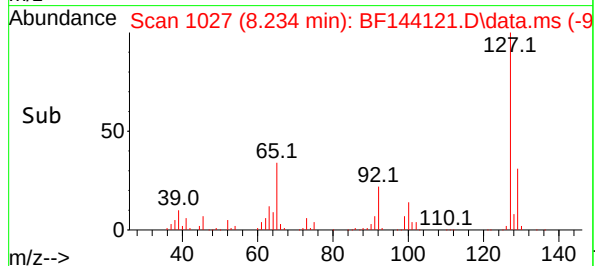
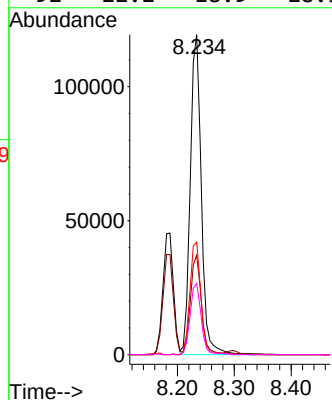
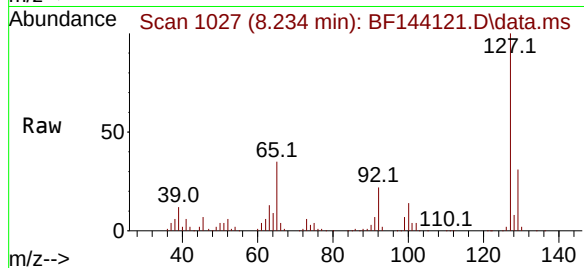
Ion Ratio Lower Upper

127 100

129 31.0 25.6 38.4

65 35.2 30.9 46.3

92 22.2 18.9 28.3



#34

Hexachlorobutadiene

Concen: 38.895 ng

RT: 8.298 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

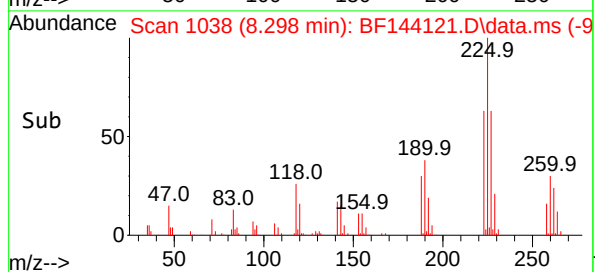
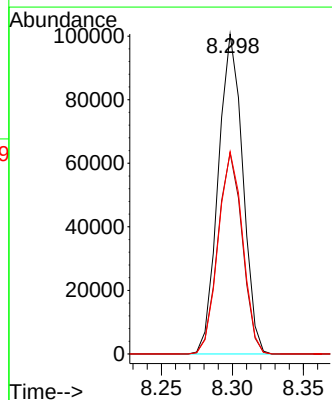
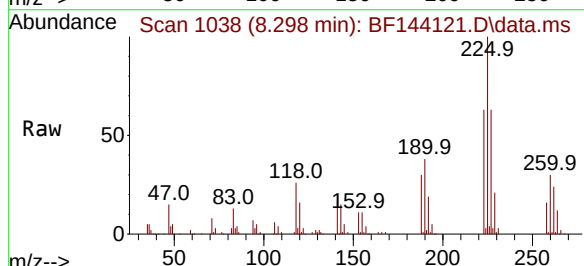
Tgt Ion:225 Resp: 120689

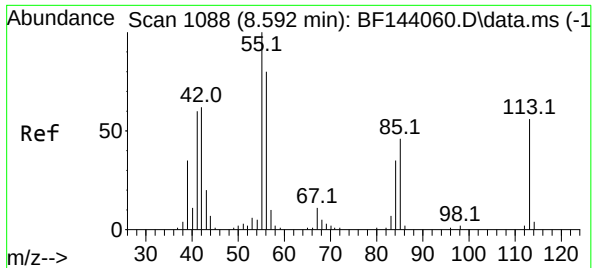
Ion Ratio Lower Upper

225 100

223 62.8 50.6 76.0

227 63.2 51.8 77.8





#35

Caprolactam

Concen: 42.378 ng

RT: 8.598 min Scan# 1089

Delta R.T. 0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

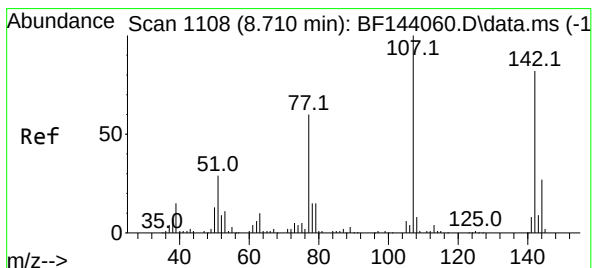
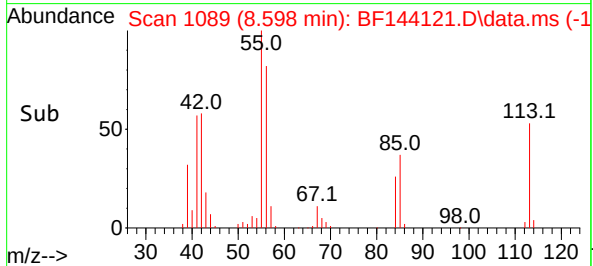
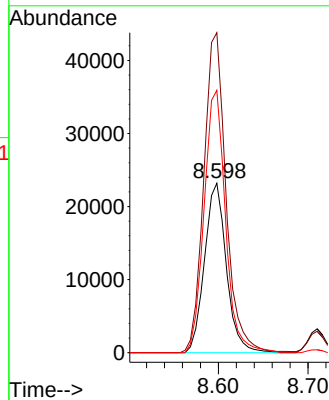
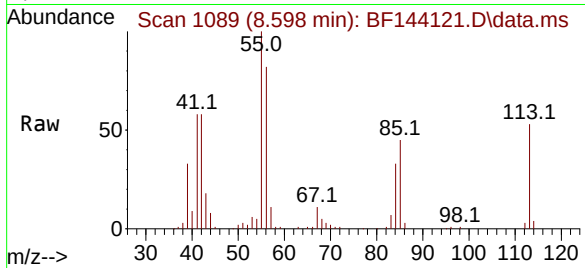
Tgt Ion:113 Resp: 39199

Ion Ratio Lower Upper

113 100

55 188.9 160.1 200.1

56 154.9 124.9 164.9



#36

4-Chloro-3-methylphenol

Concen: 42.237 ng

RT: 8.710 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

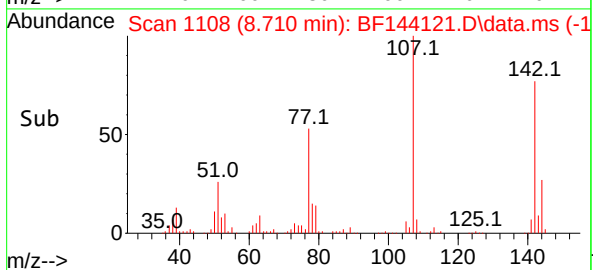
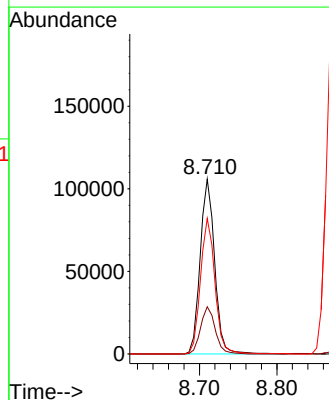
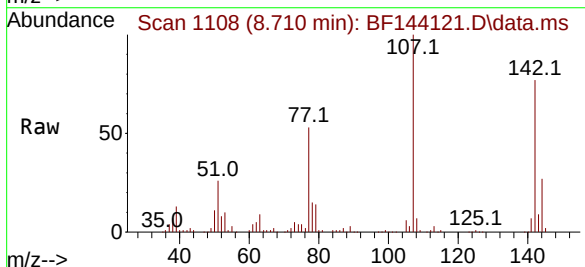
Tgt Ion:107 Resp: 137486

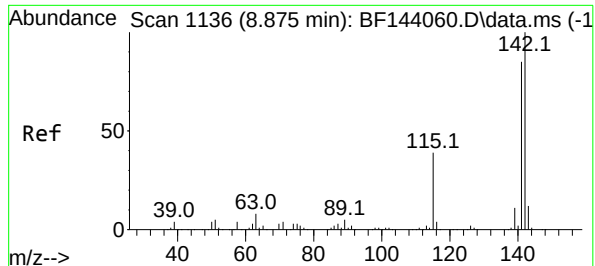
Ion Ratio Lower Upper

107 100

144 27.0 21.6 32.4

142 77.5 65.4 98.0





#37

2-Methylnaphthalene

Concen: 40.463 ng

RT: 8.875 min Scan# 1136

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

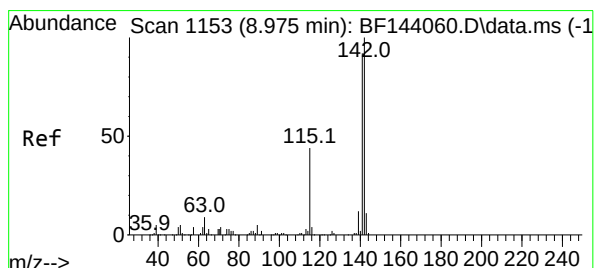
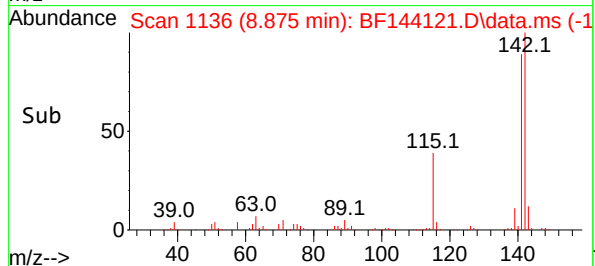
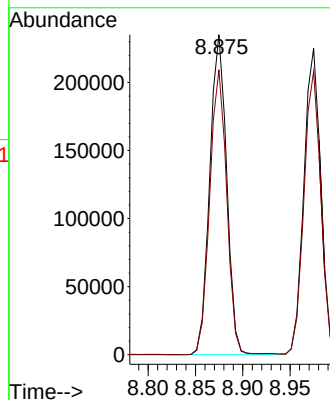
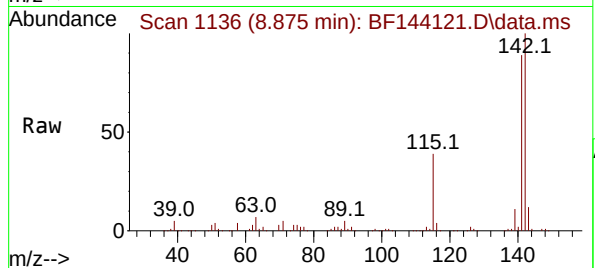
SSTDCCC040

Tgt Ion:142 Resp: 292579

Ion Ratio Lower Upper

142 100

141 89.1 67.6 101.4



#38

1-Methylnaphthalene

Concen: 40.665 ng

RT: 8.975 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF144121.D

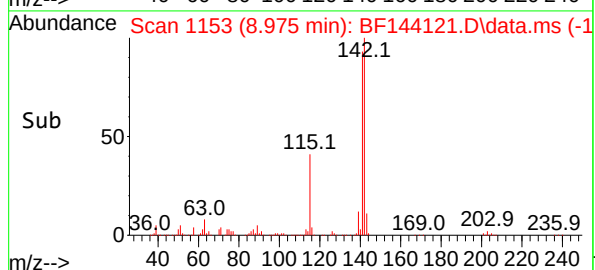
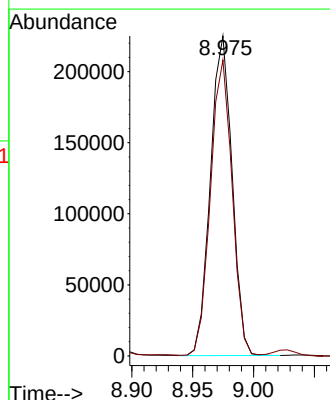
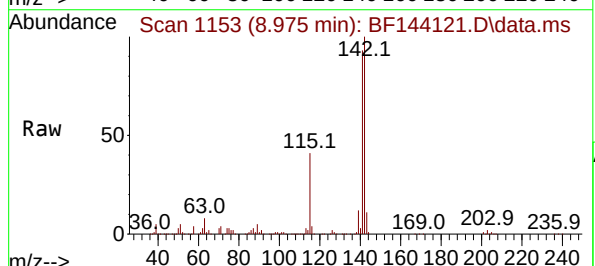
Acq: 29 Oct 2025 11:30

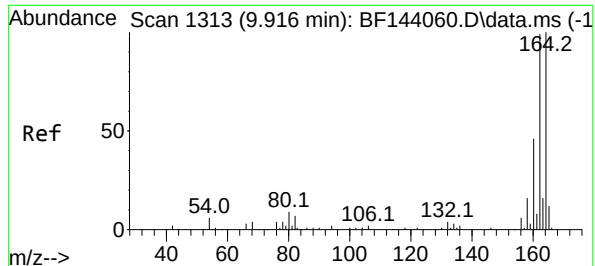
Tgt Ion:142 Resp: 278578

Ion Ratio Lower Upper

142 100

141 92.5 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

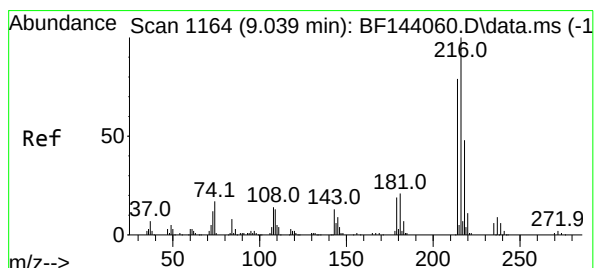
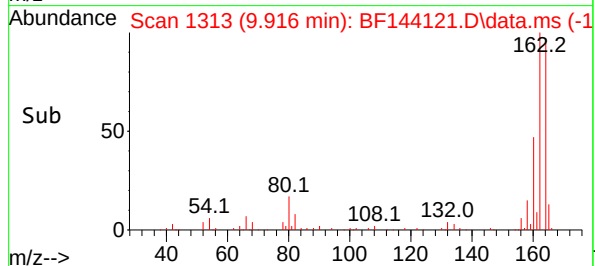
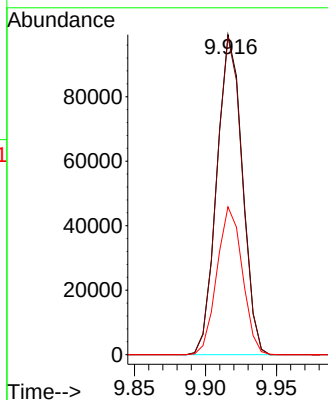
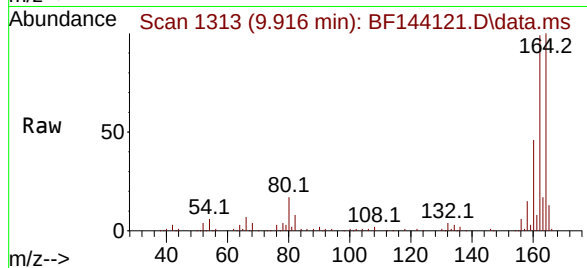
Tgt Ion:164 Resp: 124035

Ion Ratio Lower Upper

164 100

162 99.3 79.4 119.2

160 46.2 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.433 ng

RT: 9.039 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Tgt Ion:216 Resp: 172358

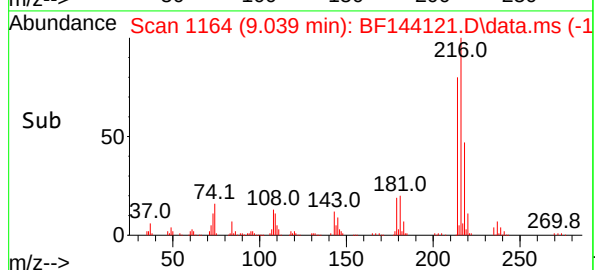
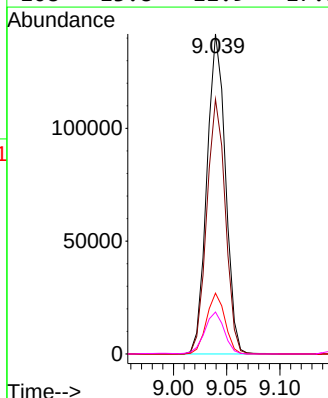
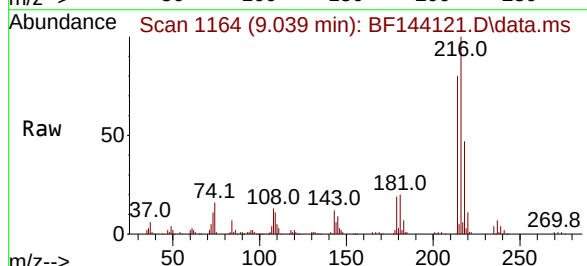
Ion Ratio Lower Upper

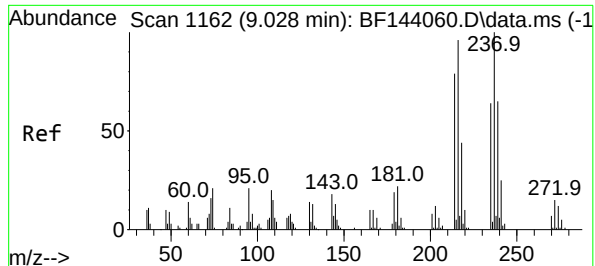
216 100

214 79.3 63.2 94.8

179 18.8 15.2 22.8

108 13.8 11.9 17.9





#41

Hexachlorocyclopentadiene

Concen: 34.011 ng

RT: 9.028 min Scan# 1162

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

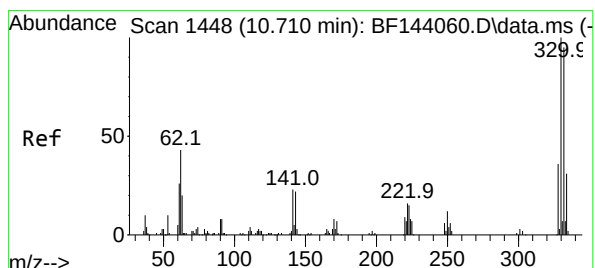
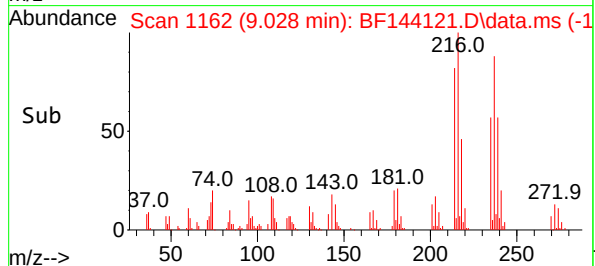
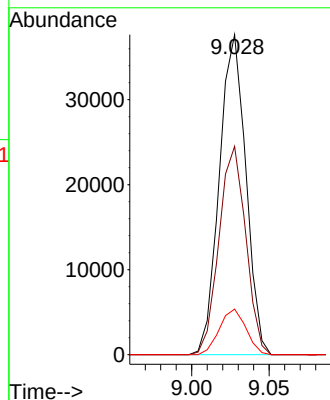
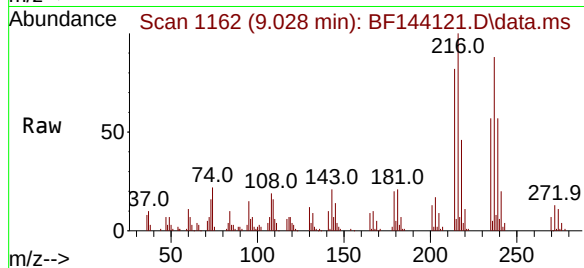
Tgt Ion:237 Resp: 44780

Ion Ratio Lower Upper

237 100

235 65.1 44.3 84.3

272 14.3 0.0 35.2



#42

2,4,6-Tribromophenol

Concen: 79.017 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

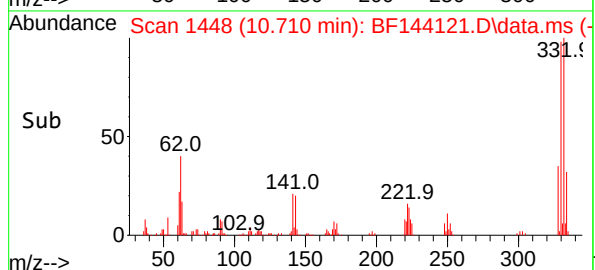
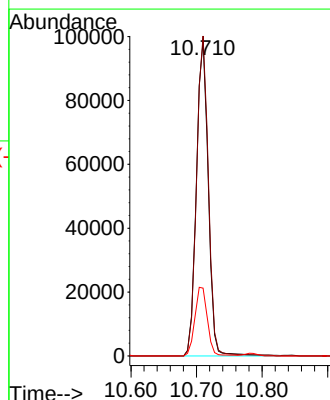
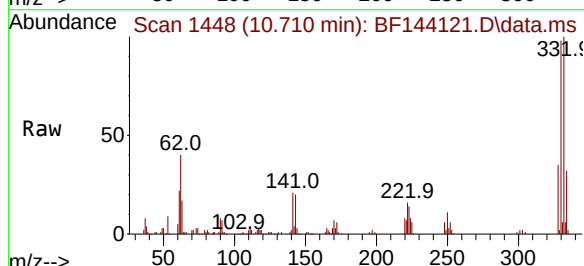
Tgt Ion:330 Resp: 124844

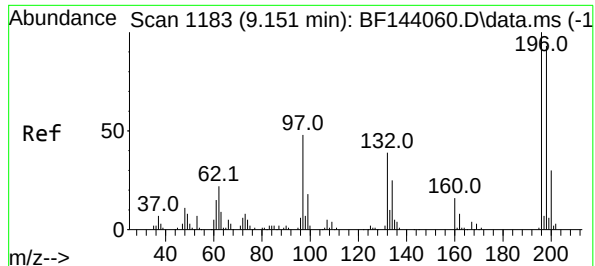
Ion Ratio Lower Upper

330 100

332 101.3 77.0 115.6

141 23.0 19.4 29.0





#43

2,4,6-Trichlorophenol

Concen: 41.760 ng

RT: 9.151 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

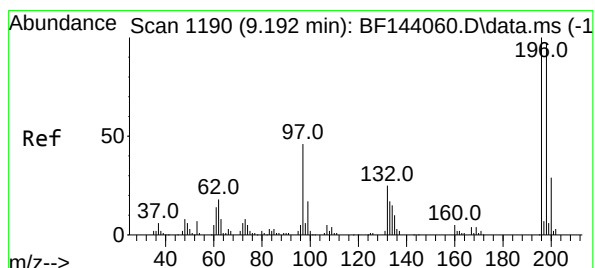
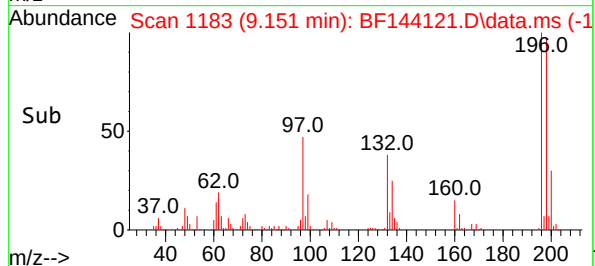
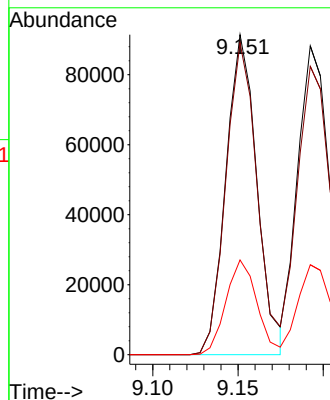
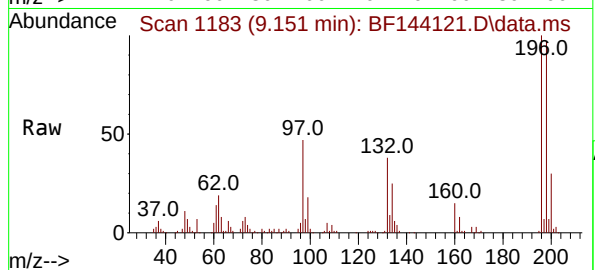
Tgt Ion:196 Resp: 115708

Ion Ratio Lower Upper

196 100

198 97.5 74.4 111.6

200 29.6 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 41.791 ng

RT: 9.192 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Tgt Ion:196 Resp: 121526

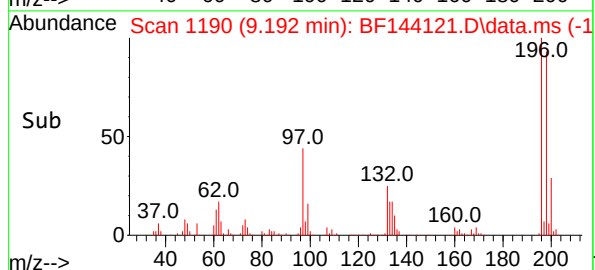
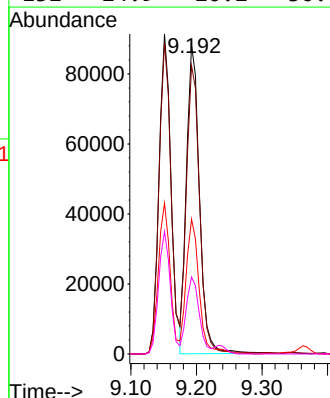
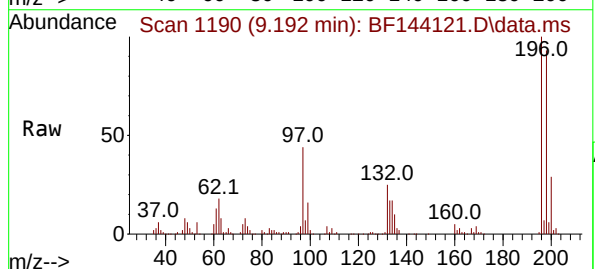
Ion Ratio Lower Upper

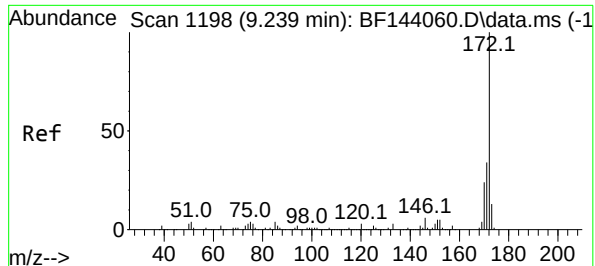
196 100

198 93.4 78.0 117.0

97 43.6 37.7 56.5

132 24.9 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 77.029 ng

RT: 9.234 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

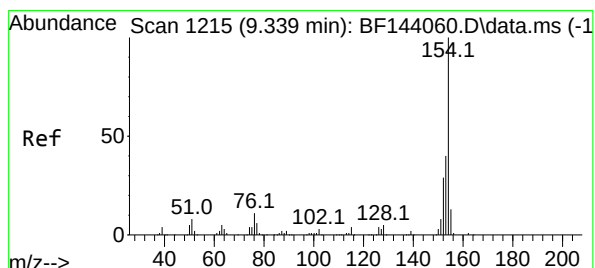
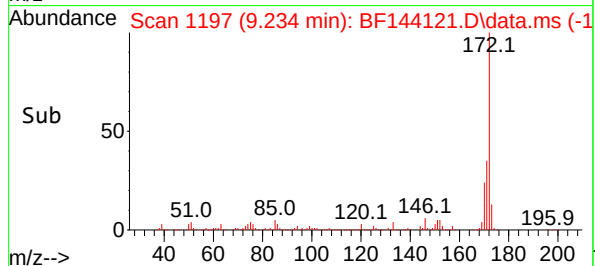
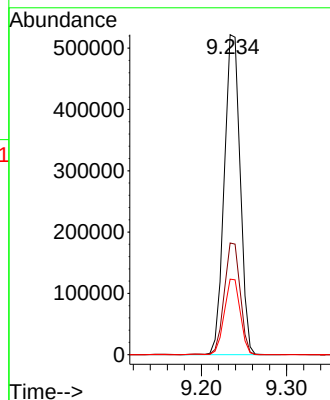
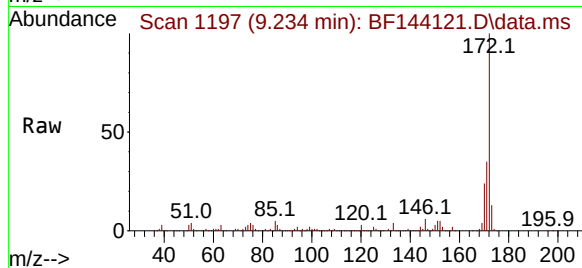
Tgt Ion:172 Resp: 678951

Ion Ratio Lower Upper

172 100

171 34.9 27.5 41.3

170 23.6 19.0 28.6



#46

1,1'-Biphenyl

Concen: 39.957 ng

RT: 9.339 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

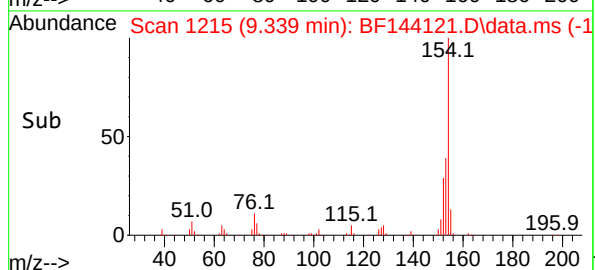
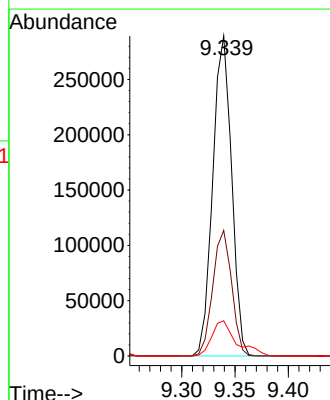
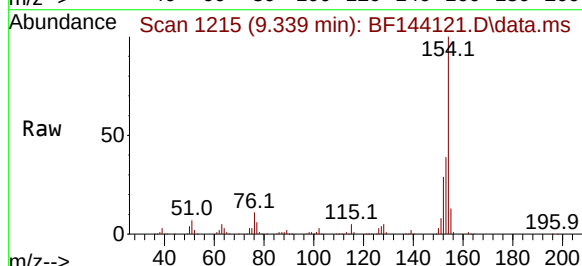
Tgt Ion:154 Resp: 354773

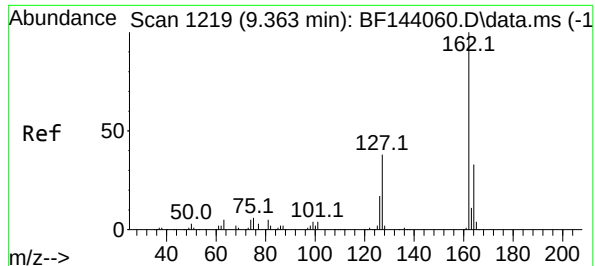
Ion Ratio Lower Upper

154 100

153 39.3 19.7 59.7

76 11.0 0.0 31.1





#47

2-Chloronaphthalene

Concen: 41.405 ng

RT: 9.363 min Scan# 1219

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

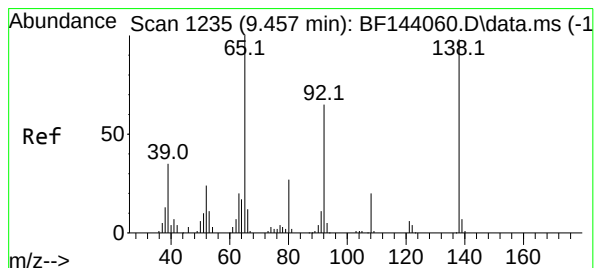
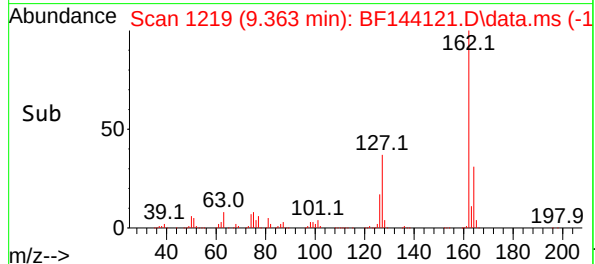
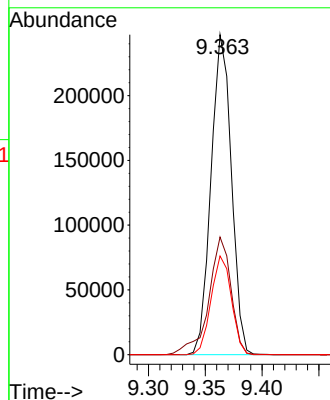
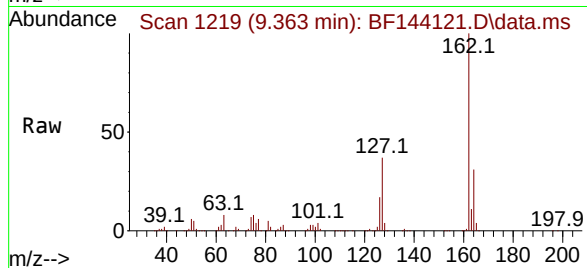
Tgt Ion:162 Resp: 307997

Ion Ratio Lower Upper

162 100

127 36.8 31.6 47.4

164 30.8 26.5 39.7



#48

2-Nitroaniline

Concen: 40.037 ng

RT: 9.457 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

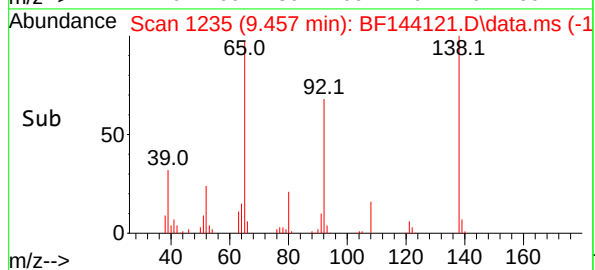
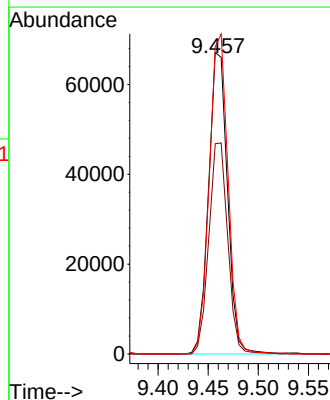
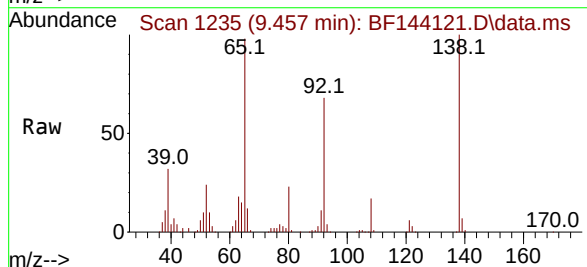
Tgt Ion: 65 Resp: 88438

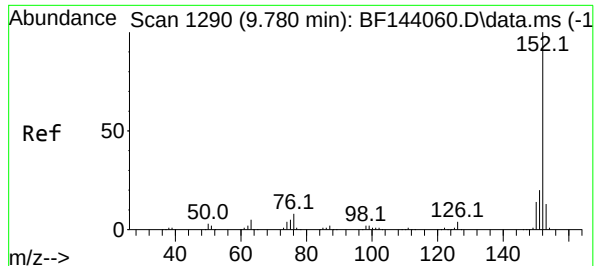
Ion Ratio Lower Upper

65 100

92 69.8 52.3 78.5

138 102.0 78.3 117.5





#49

Acenaphthylene

Concen: 41.536 ng

RT: 9.781 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

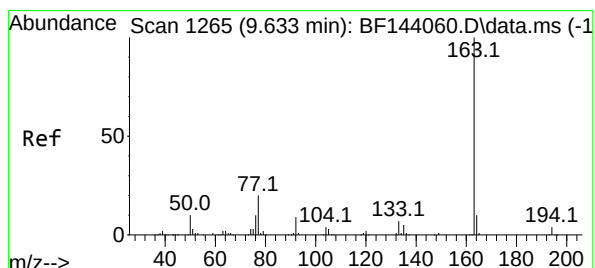
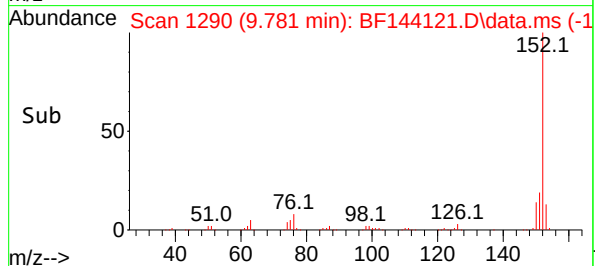
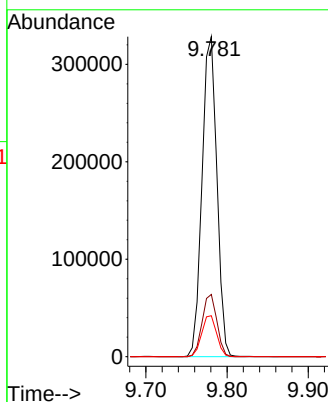
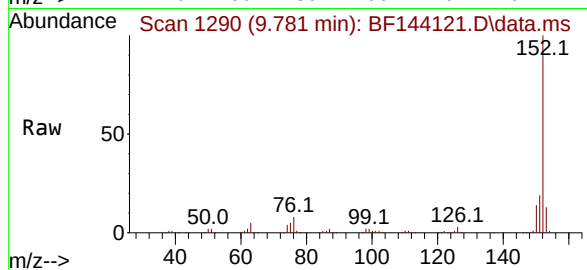
Tgt Ion:152 Resp: 416607

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

153 12.8 10.4 15.6



#50

Dimethylphthalate

Concen: 41.342 ng

RT: 9.634 min Scan# 1265

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

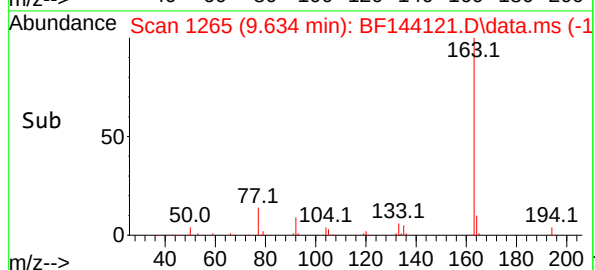
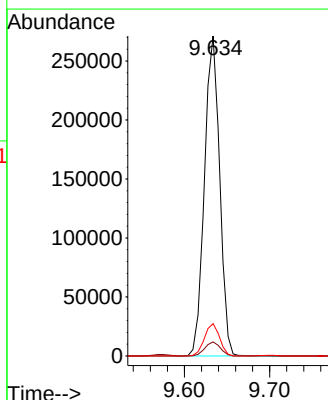
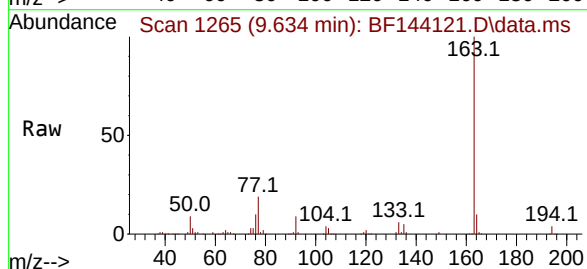
Tgt Ion:163 Resp: 336124

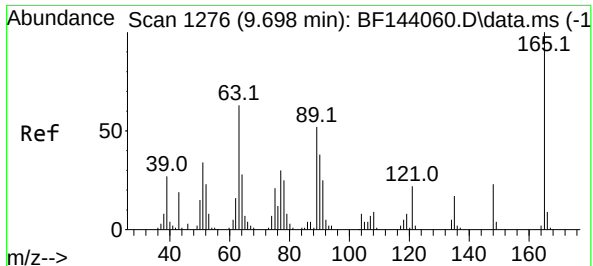
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

164 10.1 7.8 11.8

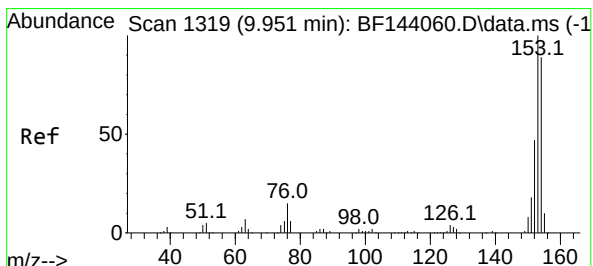
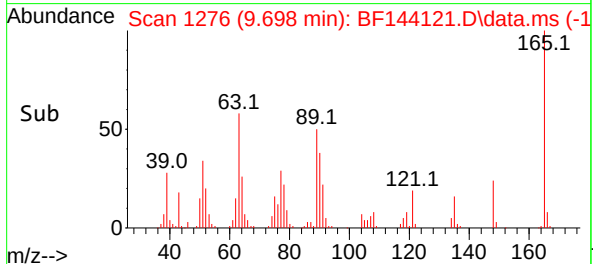
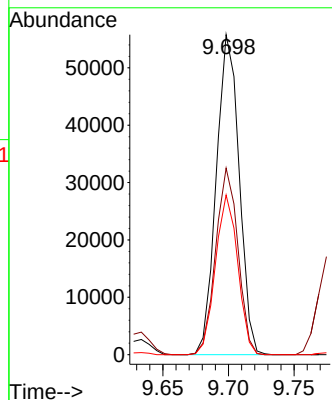
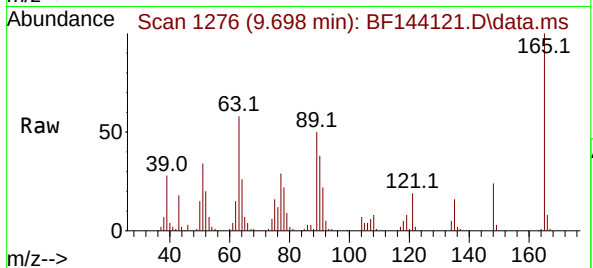




#51
2,6-Dinitrotoluene
Concen: 42.046 ng
RT: 9.698 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

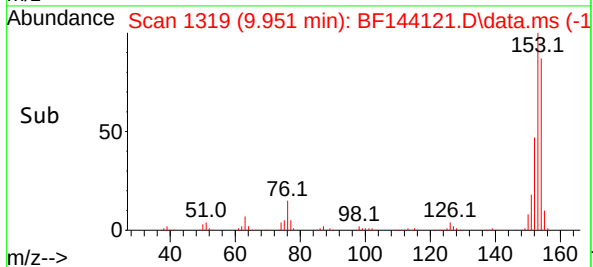
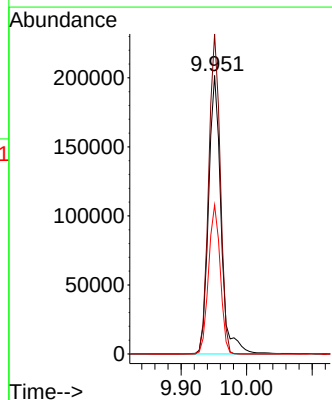
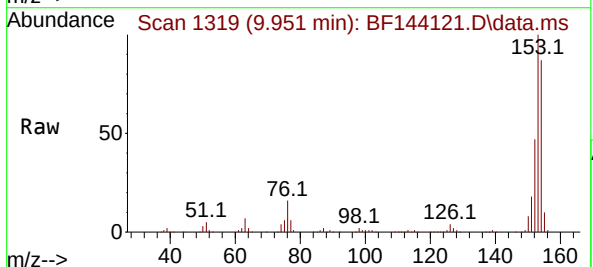
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

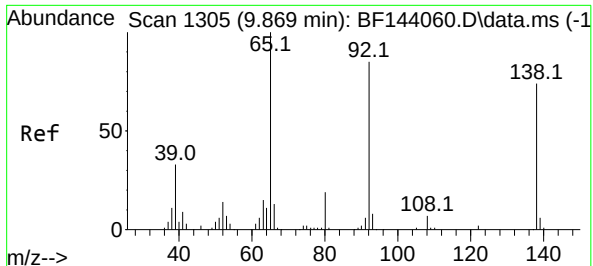
Tgt Ion:165 Resp: 67580
Ion Ratio Lower Upper
165 100
63 58.3 50.4 75.6
89 49.9 41.4 62.2



#52
Acenaphthene
Concen: 39.855 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:154 Resp: 266968
Ion Ratio Lower Upper
154 100
153 114.9 89.9 134.9
152 53.5 42.0 63.0





#53

3-Nitroaniline

Concen: 43.238 ng

RT: 9.869 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

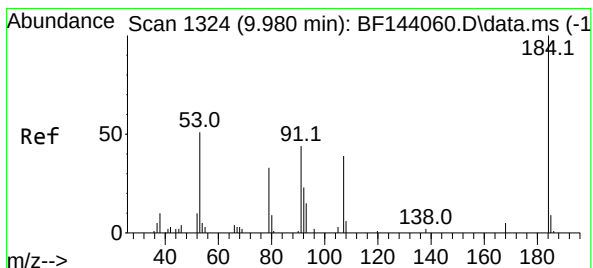
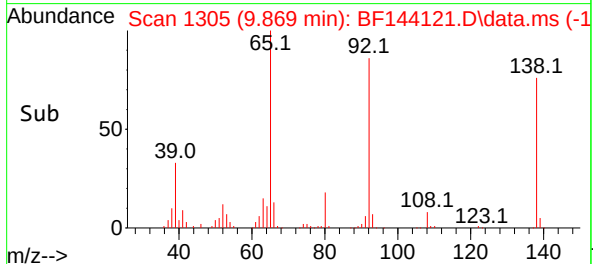
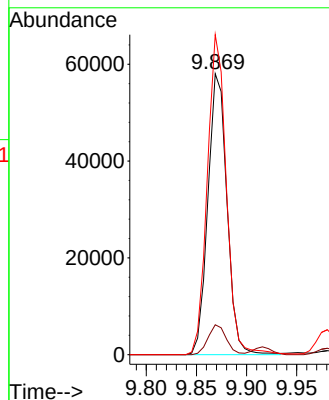
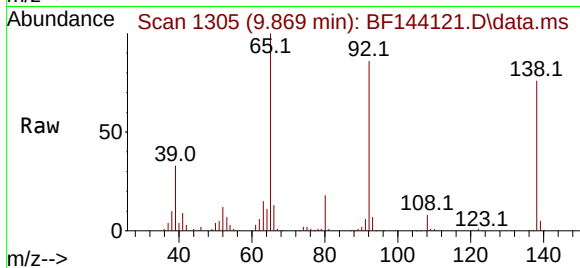
Tgt Ion:138 Resp: 77266

Ion Ratio Lower Upper

138 100

108 10.6 7.9 11.9

92 113.9 92.0 138.0



#54

2,4-Dinitrophenol

Concen: 38.660 ng

RT: 9.981 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

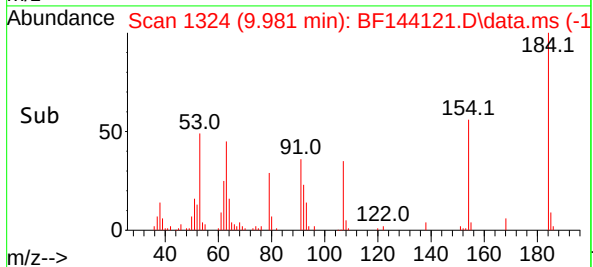
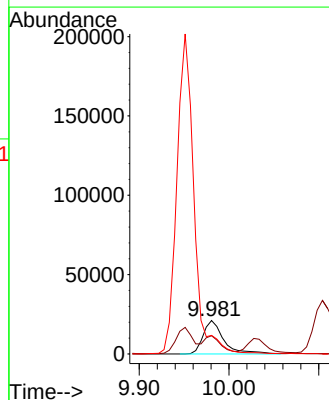
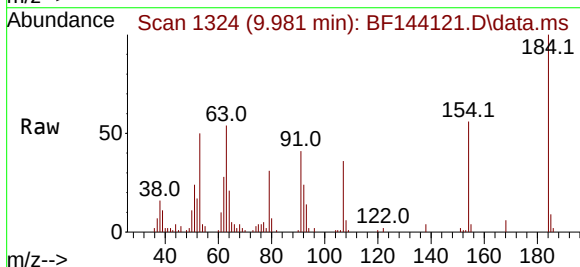
Tgt Ion:184 Resp: 33608

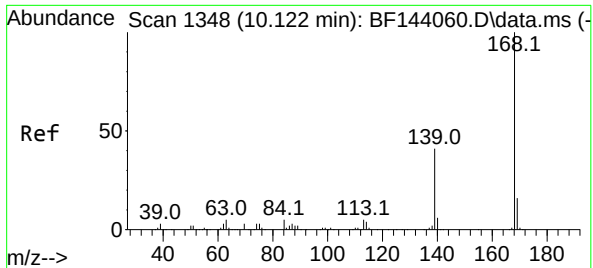
Ion Ratio Lower Upper

184 100

63 54.4 52.1 78.1

154 55.5 47.9 71.9

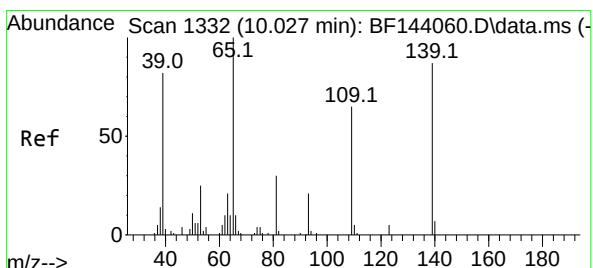
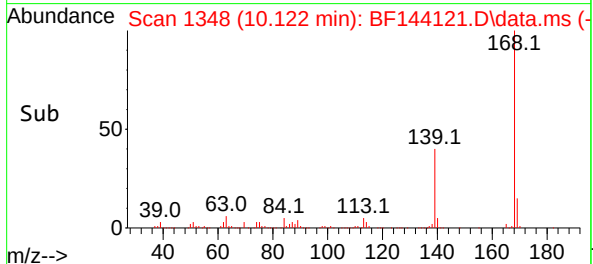
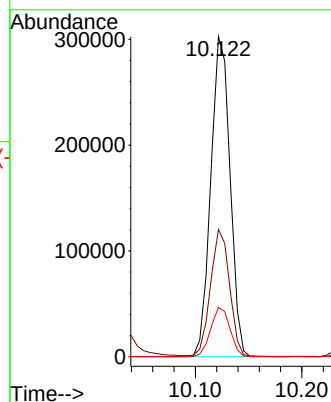
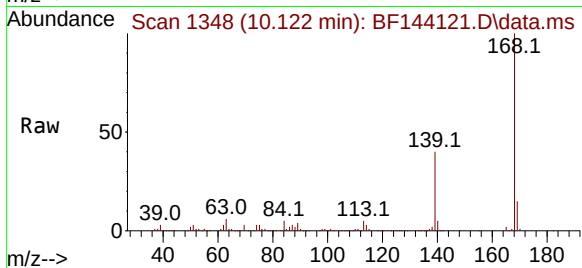




#55
Dibenzofuran
Concen: 40.786 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

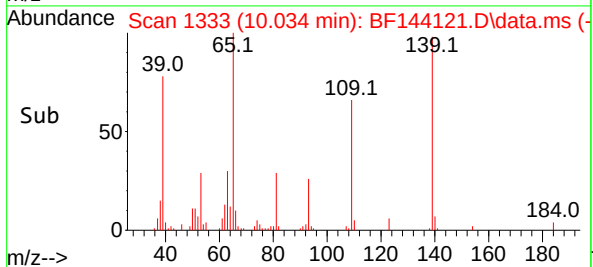
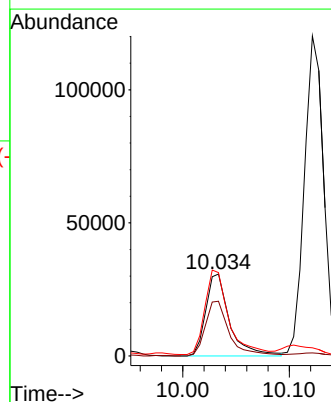
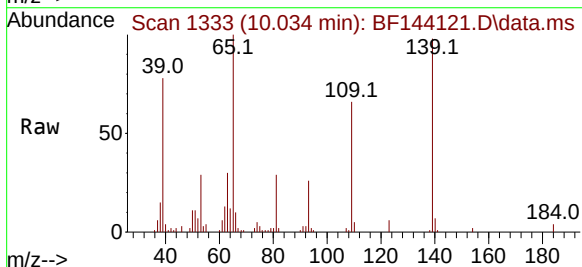
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

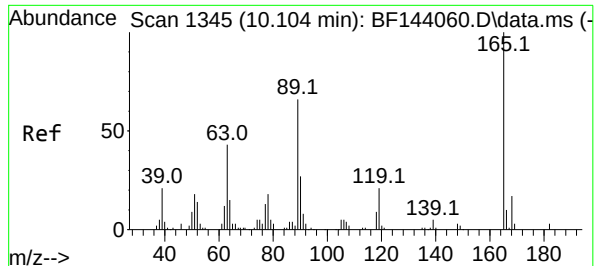
Tgt Ion:168 Resp: 379280
Ion Ratio Lower Upper
168 100
139 39.7 33.2 49.8
169 15.4 12.6 19.0



#56
4-Nitrophenol
Concen: 39.550 ng
RT: 10.034 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

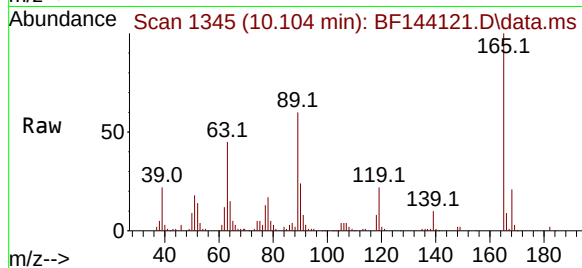
Tgt Ion:139 Resp: 47859
Ion Ratio Lower Upper
139 100
109 66.8 53.8 93.8
65 101.7 95.9 135.9



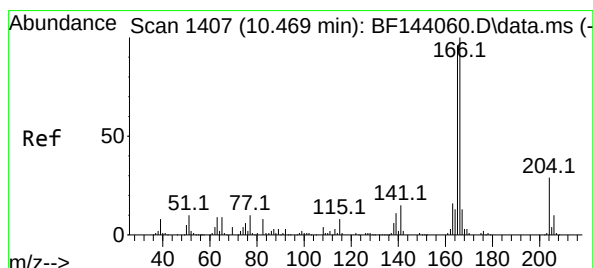
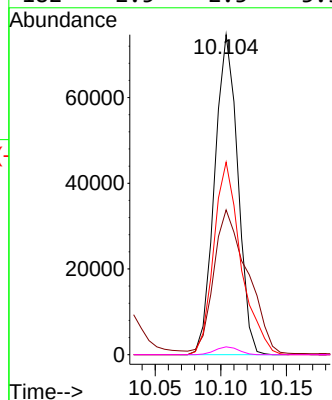
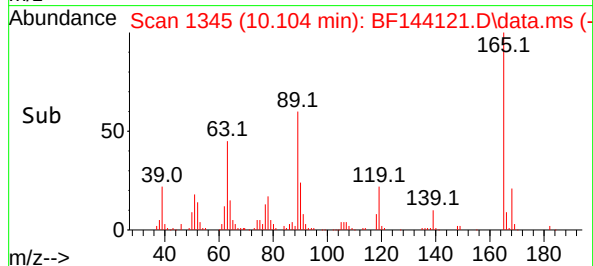


#57
2,4-Dinitrotoluene
Concen: 42.178 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

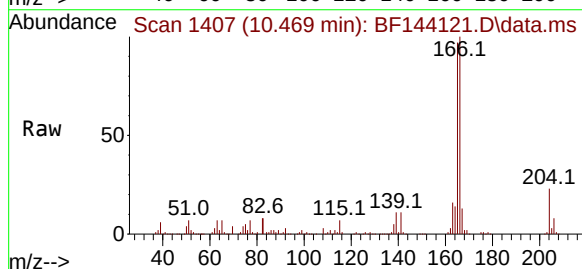
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



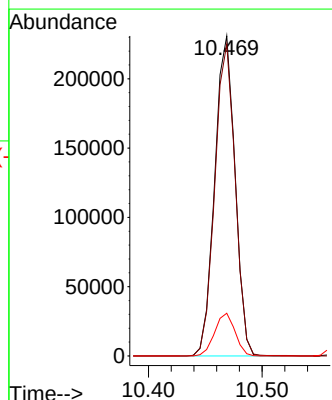
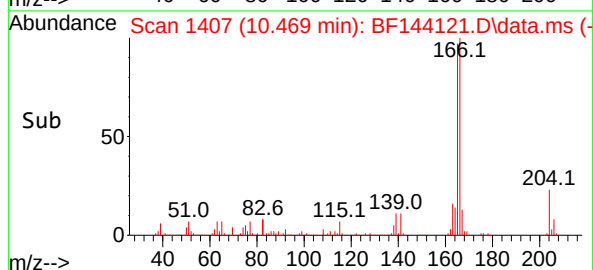
Tgt Ion:	165	Resp:	91495
Ion Ratio	Lower	Upper	
165	100		
63	45.2	35.4	53.2
89	60.1	52.7	79.1
182	2.5	2.3	3.5

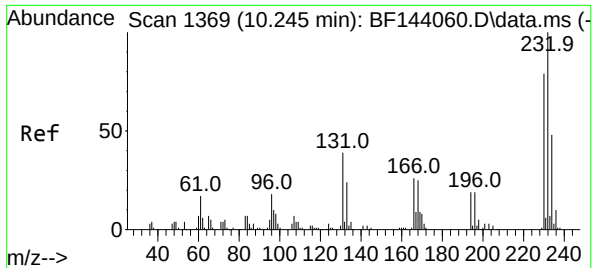


#58
Fluorene
Concen: 40.609 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30



Tgt Ion:	166	Resp:	287737
Ion Ratio	Lower	Upper	
166	100		
165	97.5	77.0	115.4
167	13.4	10.2	15.4

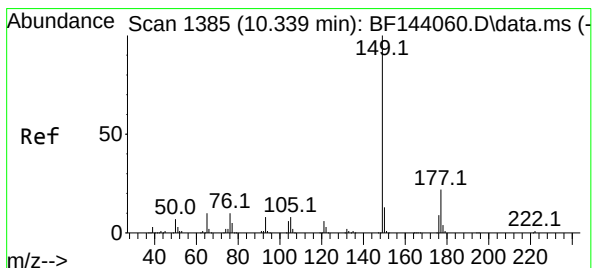
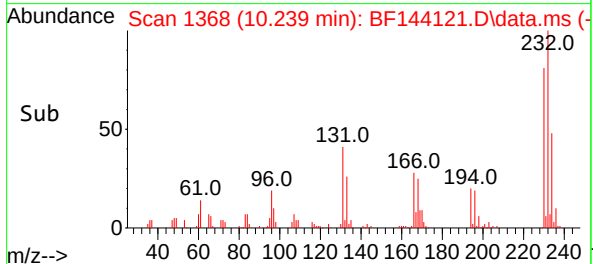
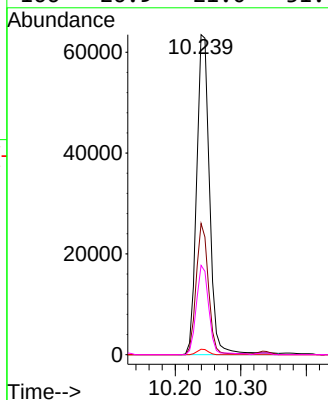
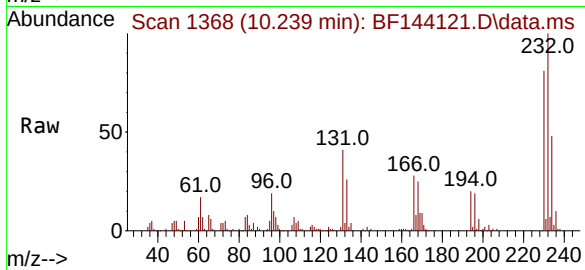




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.612 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

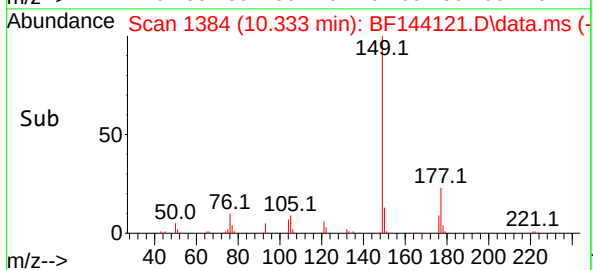
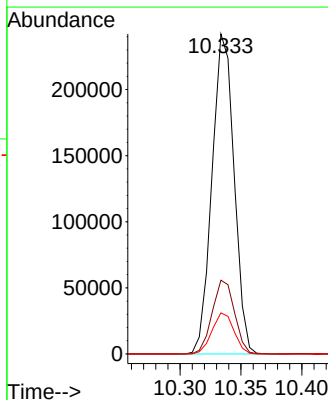
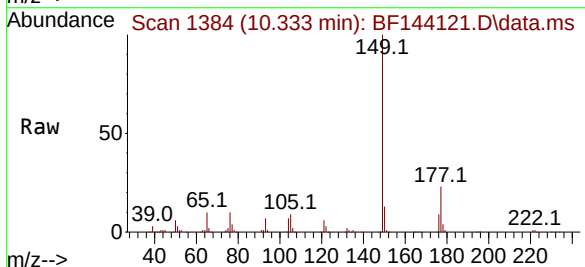
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

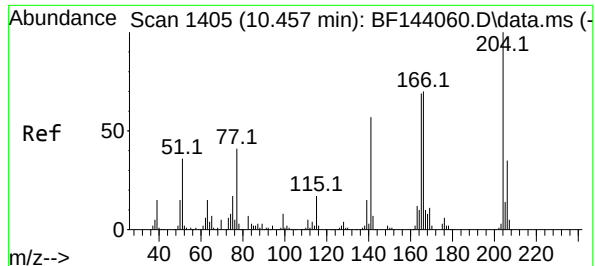
Tgt Ion:232 Resp: 87320
Ion Ratio Lower Upper
232 100
131 38.5 31.9 47.9
130 1.5 1.1 1.7
166 26.9 21.0 31.4



#60
Diethylphthalate
Concen: 39.944 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:149 Resp: 305410
Ion Ratio Lower Upper
149 100
177 23.0 17.8 26.6
150 12.9 10.1 15.1

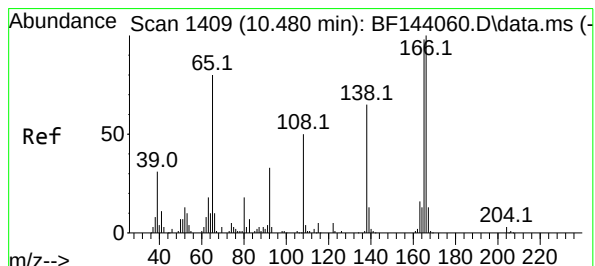
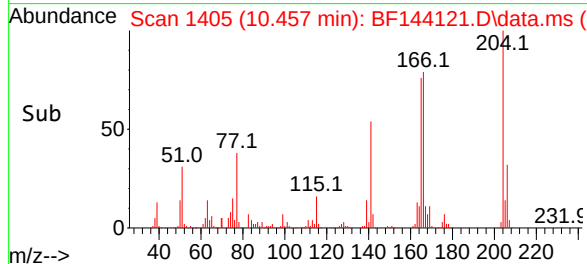
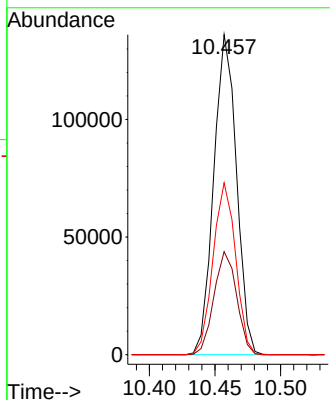
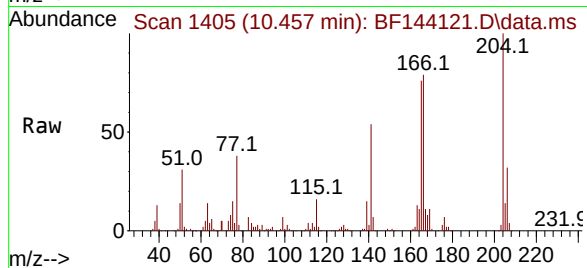




#61
4-Chlorophenyl-phenylether
Concen: 41.094 ng
RT: 10.457 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

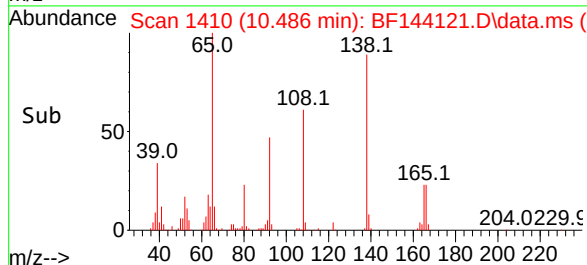
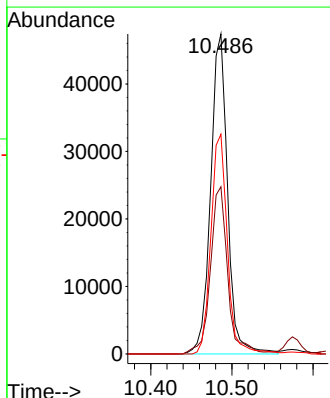
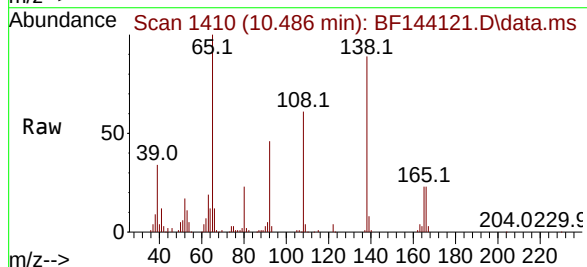
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

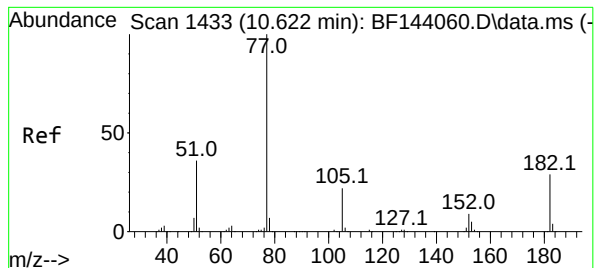
Tgt Ion:204 Resp: 163745
Ion Ratio Lower Upper
204 100
206 32.2 27.8 41.6
141 53.7 45.4 68.2



#62
4-Nitroaniline
Concen: 40.525 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:138 Resp: 68617
Ion Ratio Lower Upper
138 100
92 52.2 30.5 70.5
108 68.6 56.2 96.2

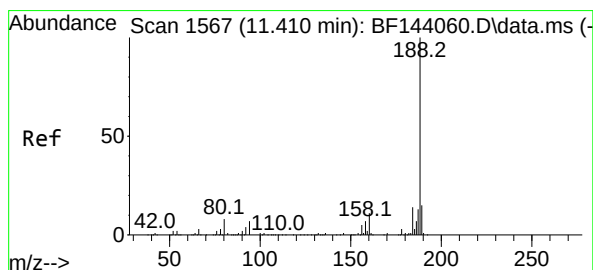
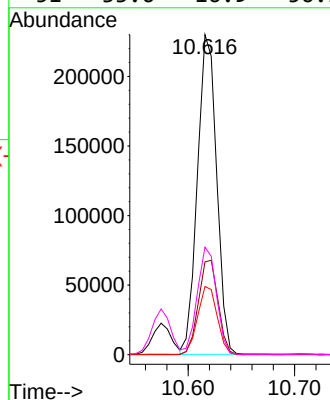
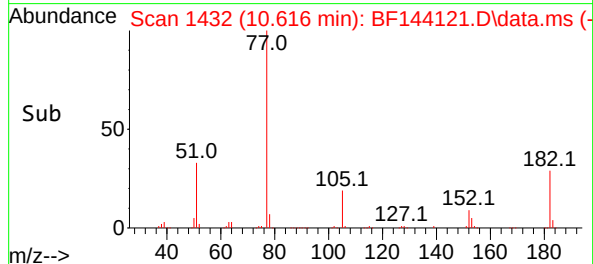
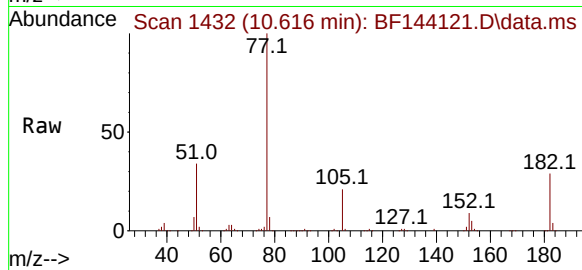




#63
Azobenzene
Concen: 39.963 ng
RT: 10.616 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

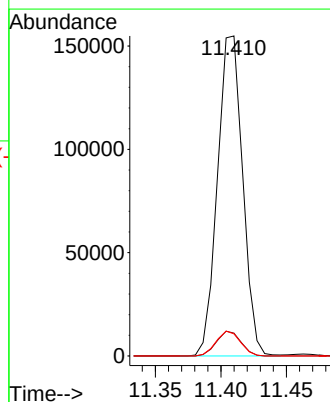
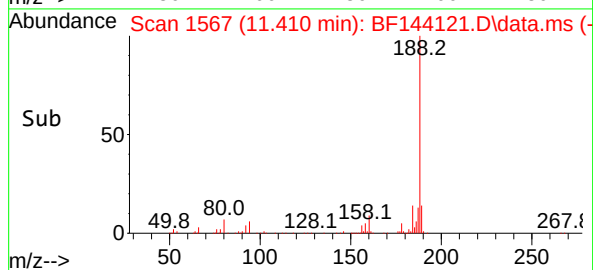
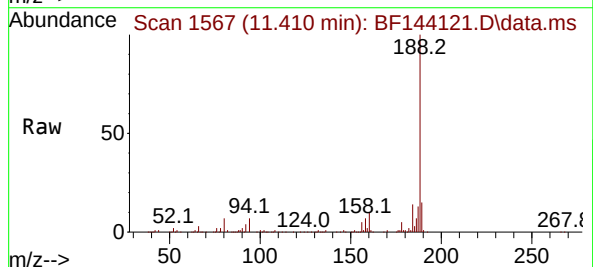
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

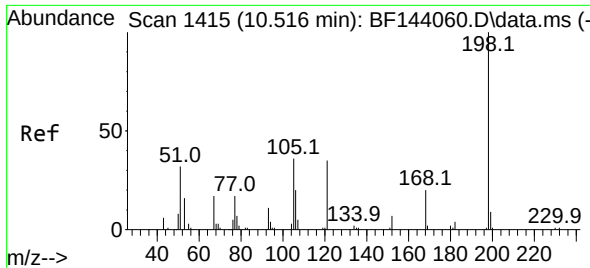
Tgt Ion: 77	Resp: 289198
Ion Ratio	Lower Upper
77 100	
182 29.0	9.0 49.0
105 21.3	1.4 41.4
51 33.6	16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:188	Resp: 207074
Ion Ratio	Lower Upper
188 100	
94 7.1	5.4 8.0
80 6.9	6.0 9.0

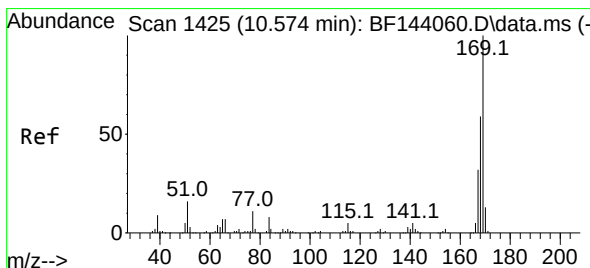
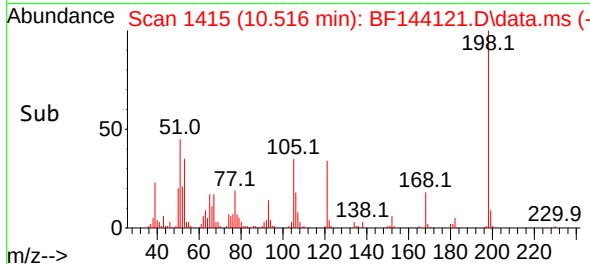
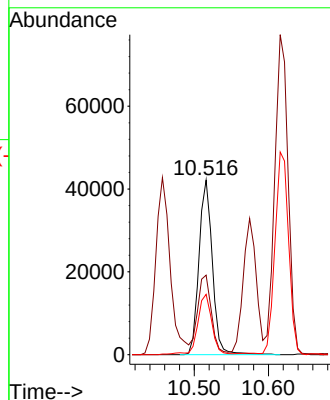
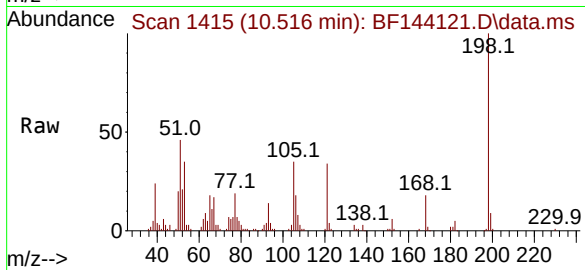




#65
4,6-Dinitro-2-methylphenol
Concen: 39.830 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

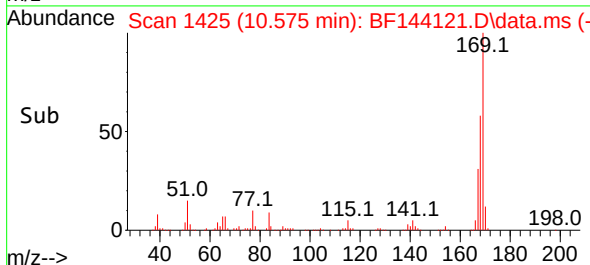
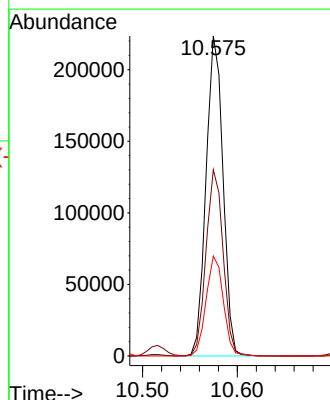
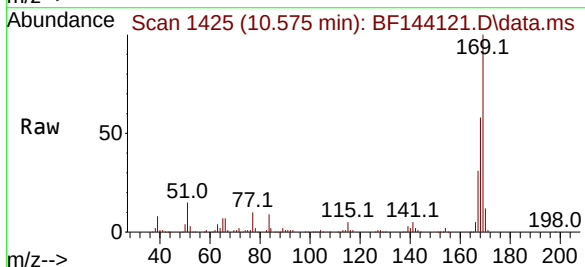
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

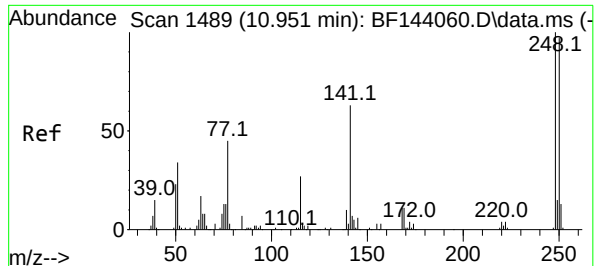
Tgt Ion:198 Resp: 52916
Ion Ratio Lower Upper
198 100
51 45.5 25.8 65.8
105 34.6 17.2 57.2



#66
n-Nitrosodiphenylamine
Concen: 41.875 ng
RT: 10.575 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:169 Resp: 277049
Ion Ratio Lower Upper
169 100
168 58.2 47.4 71.2
167 31.2 25.5 38.3

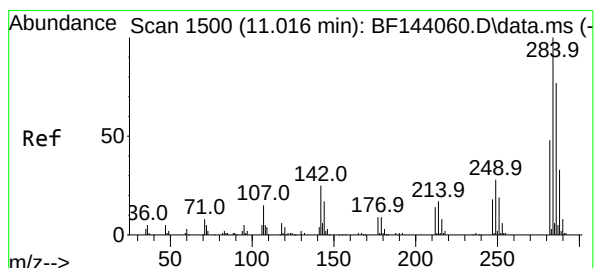
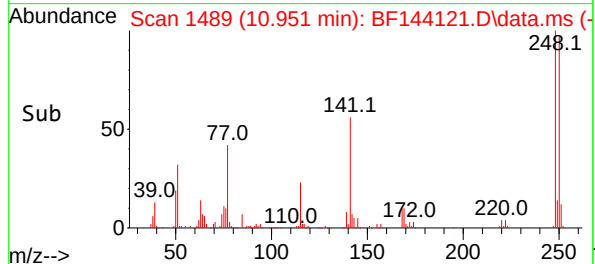
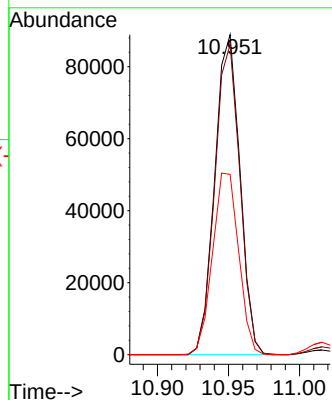
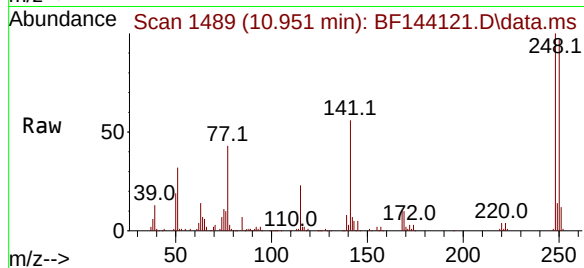




#67
4-Bromophenyl-phenylether
Concen: 42.302 ng
RT: 10.951 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

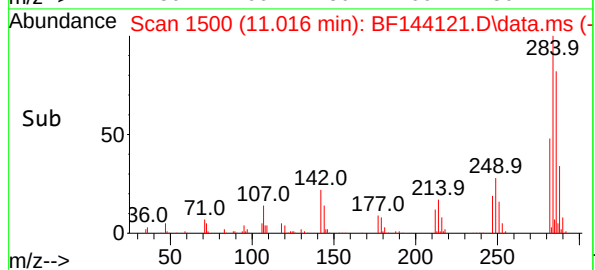
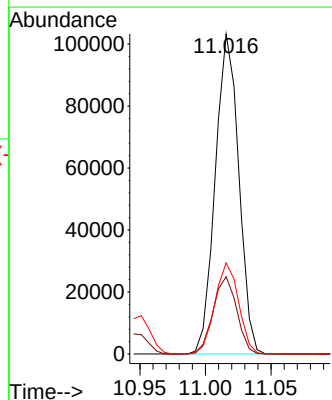
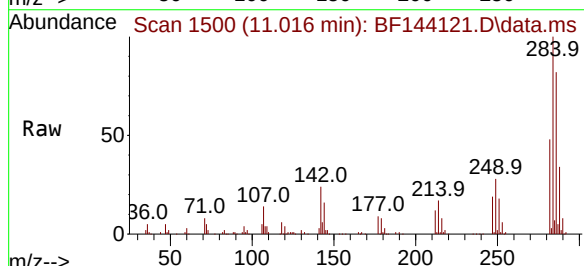
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

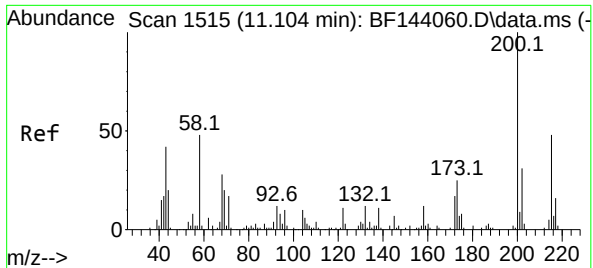
Tgt Ion:248 Resp: 109675
Ion Ratio Lower Upper
248 100
250 96.9 77.8 116.6
141 56.3 50.5 75.7



#68
Hexachlorobenzene
Concen: 40.395 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:284 Resp: 128445
Ion Ratio Lower Upper
284 100
142 24.2 20.0 30.0
249 28.5 22.2 33.2





#69

Atrazine

Concen: 39.616 ng

RT: 11.104 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

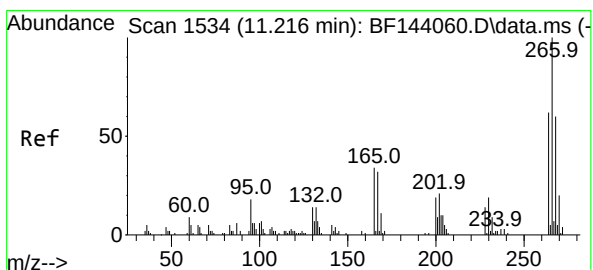
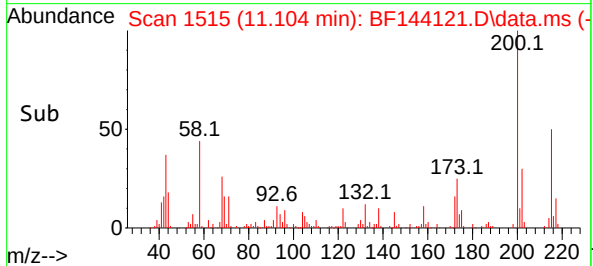
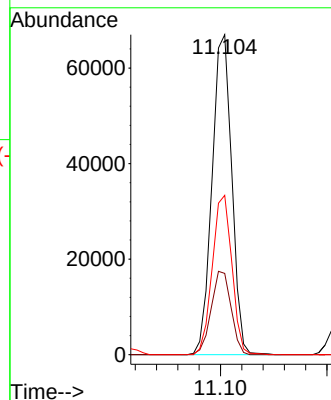
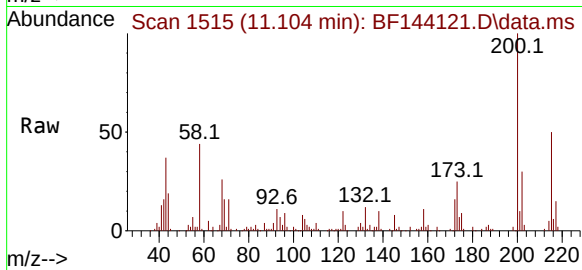
Tgt Ion:200 Resp: 86008

Ion Ratio Lower Upper

200 100

173 25.4 4.9 44.9

215 49.8 28.2 68.2



#70

Pentachlorophenol

Concen: 44.431 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

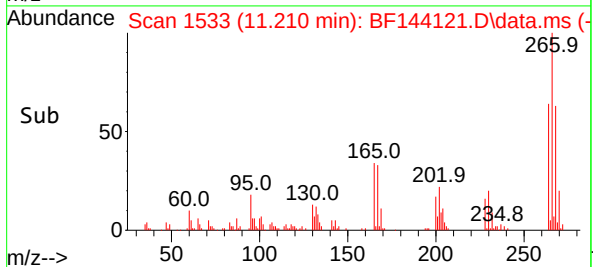
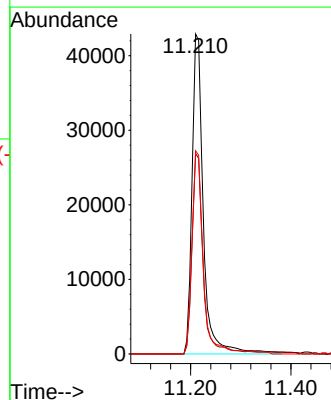
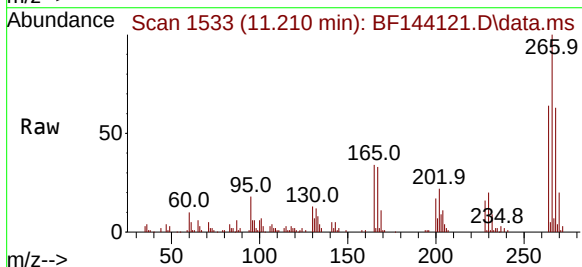
Tgt Ion:266 Resp: 67248

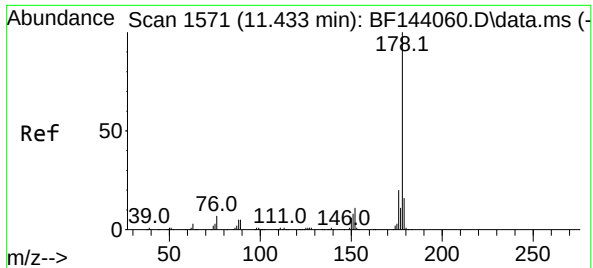
Ion Ratio Lower Upper

266 100

268 62.7 48.2 72.4

264 63.5 49.4 74.0

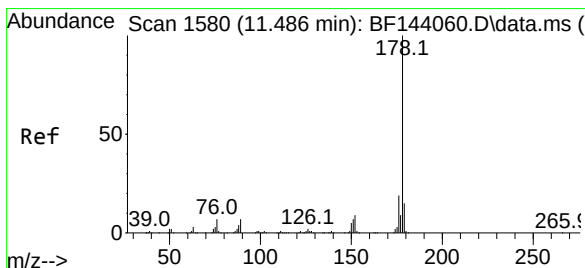
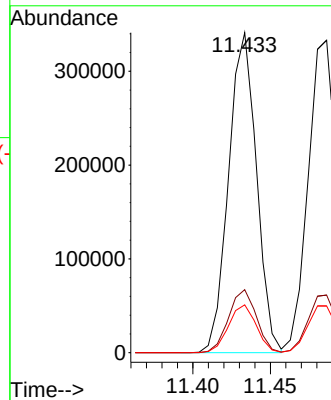
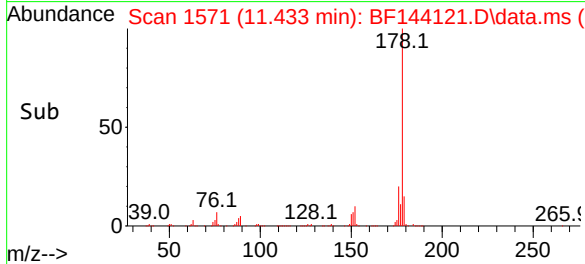
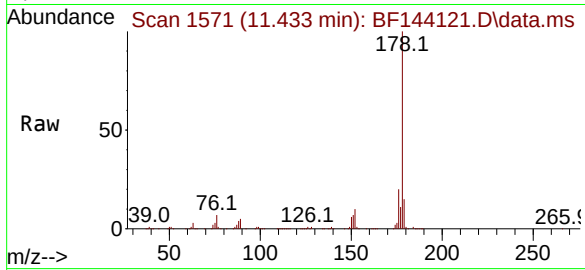




#71
Phenanthrene
Concen: 41.526 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

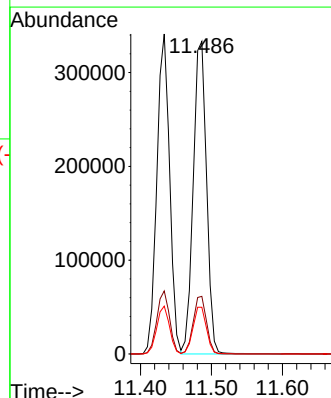
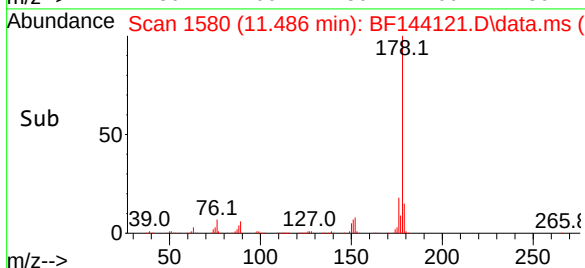
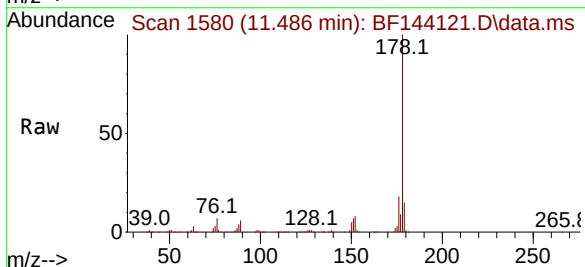
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

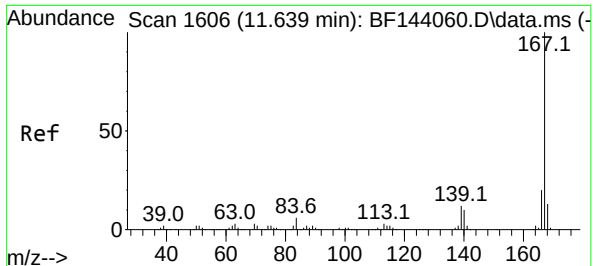
Tgt Ion:178 Resp: 427157
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 14.9 12.6 18.8



#72
Anthracene
Concen: 40.944 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

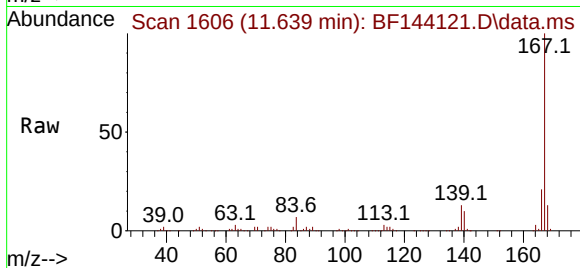
Tgt Ion:178 Resp: 435076
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 14.9 11.8 17.6



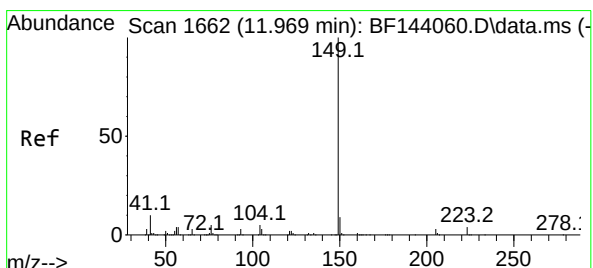
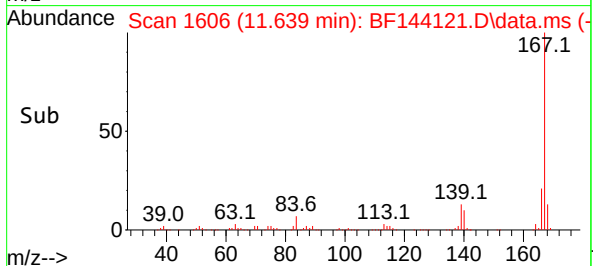
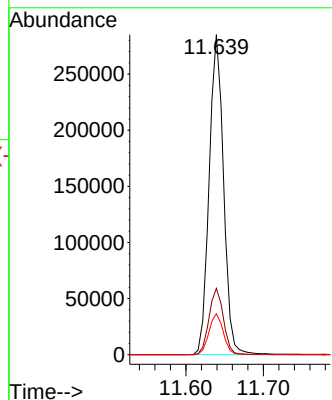


#73
Carbazole
Concen: 40.663 ng
RT: 11.639 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

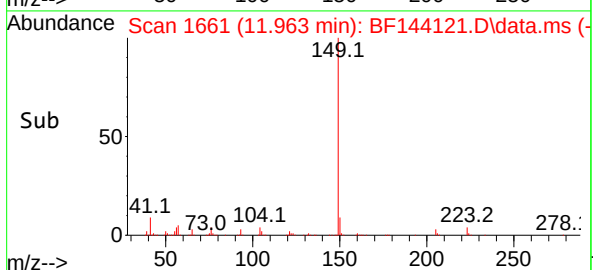
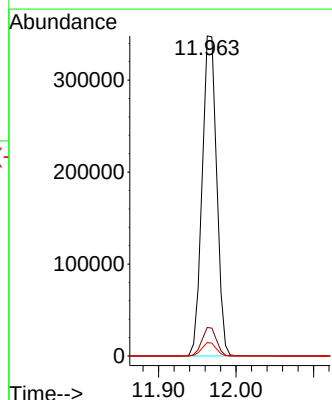
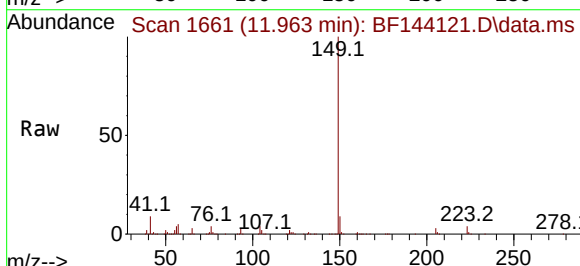


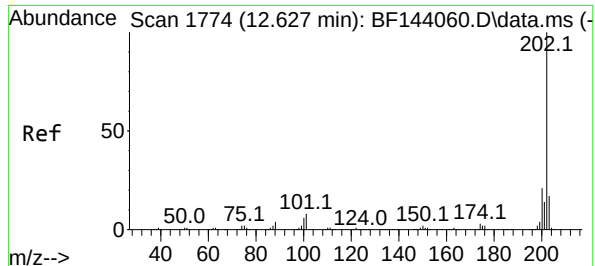
Tgt Ion:167 Resp: 367780
Ion Ratio Lower Upper
167 100
166 20.7 16.1 24.1
139 12.8 9.8 14.6



#74
Di-n-butylphthalate
Concen: 40.941 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:149 Resp: 453989
Ion Ratio Lower Upper
149 100
150 8.9 7.3 10.9
104 4.2 3.6 5.4

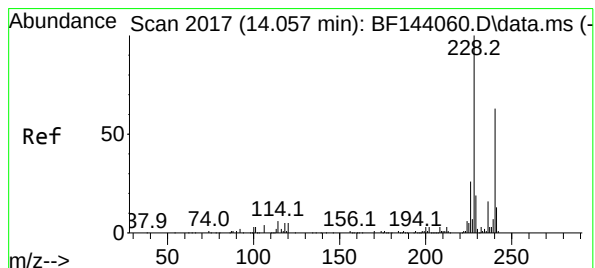
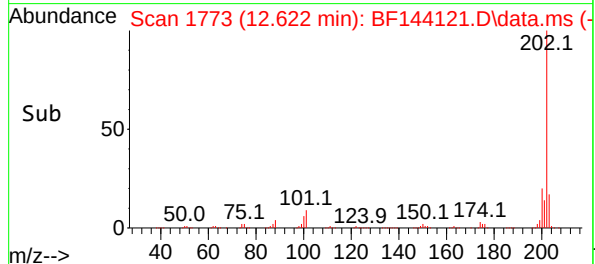
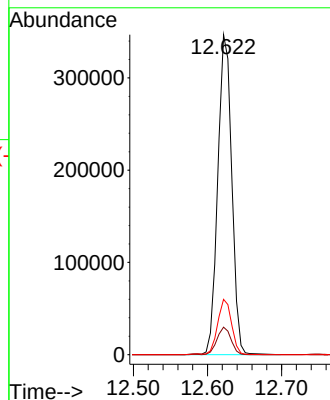
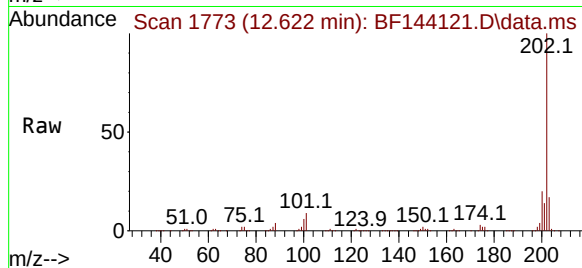




#75
Fluoranthene
Concen: 39.974 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

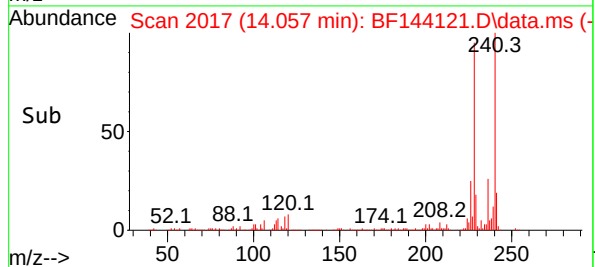
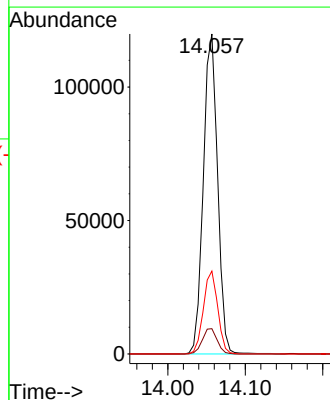
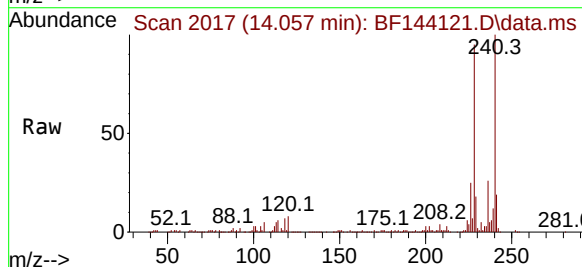
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

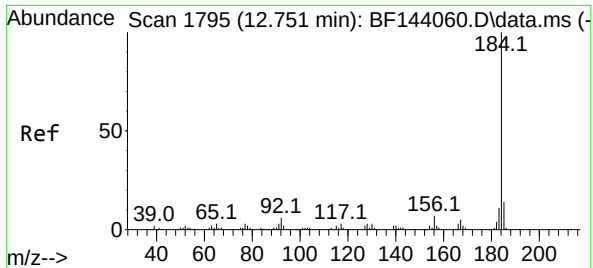
Tgt Ion:202 Resp: 454294
Ion Ratio Lower Upper
202 100
101 8.6 0.0 27.7
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:240 Resp: 153131
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 25.9 20.1 30.1





#77

Benzidine

Concen: 42.231 ng

RT: 12.745 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

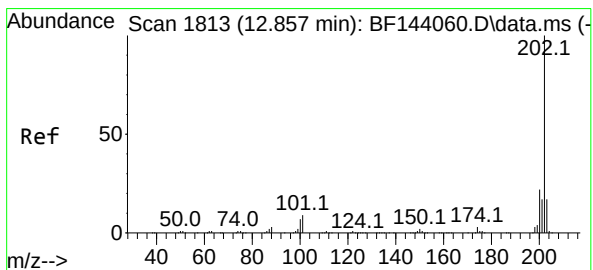
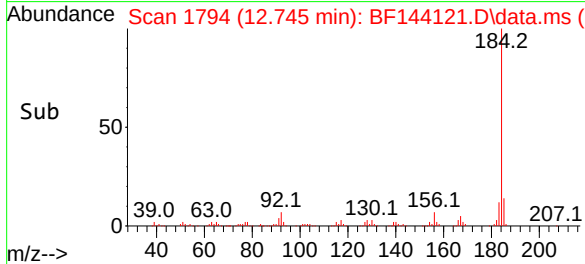
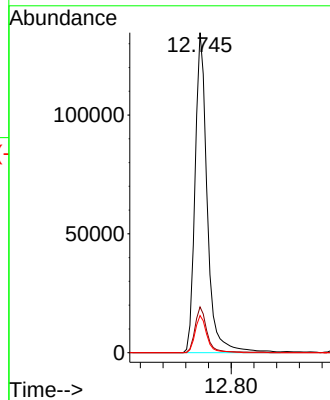
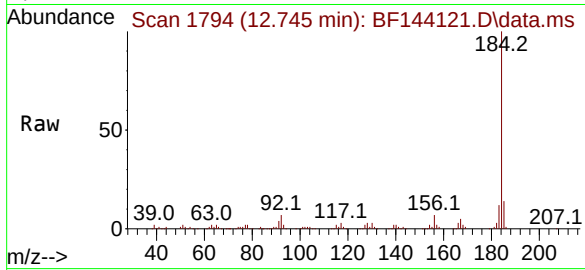
Tgt Ion:184 Resp: 201262

Ion Ratio Lower Upper

184 100

185 14.3 11.6 17.4

183 11.6 8.5 12.7



#78

Pyrene

Concen: 41.969 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

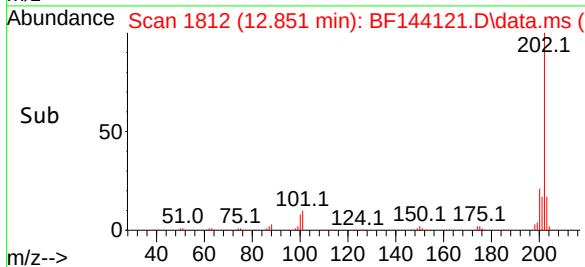
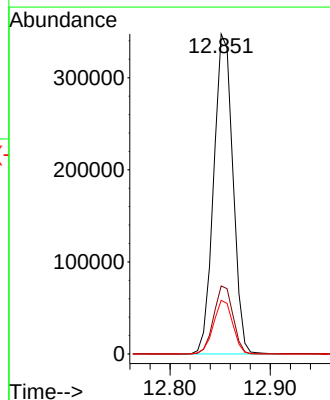
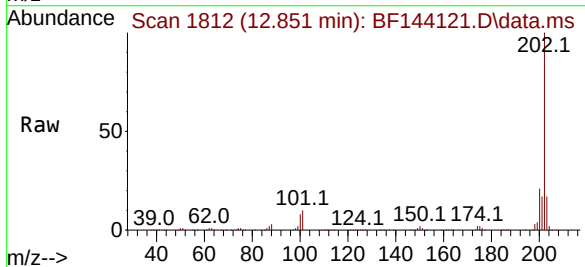
Tgt Ion:202 Resp: 462034

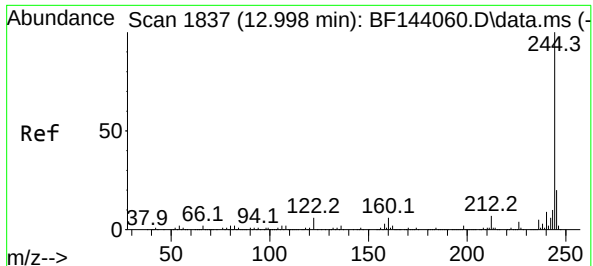
Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

203 16.7 13.5 20.3





#79

Terphenyl-d14

Concen: 81.522 ng

RT: 12.992 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

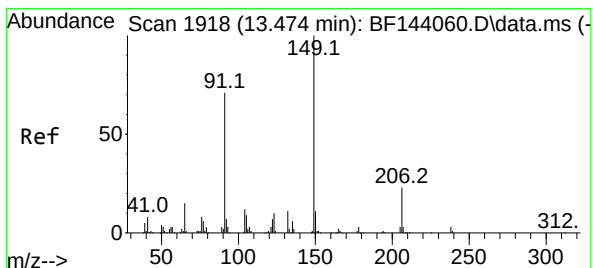
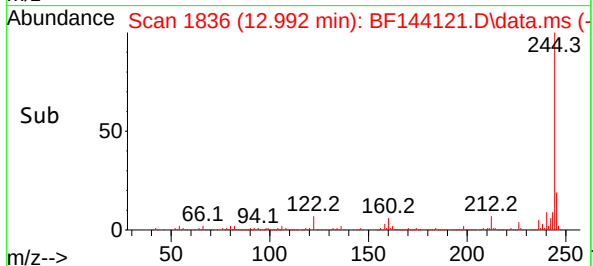
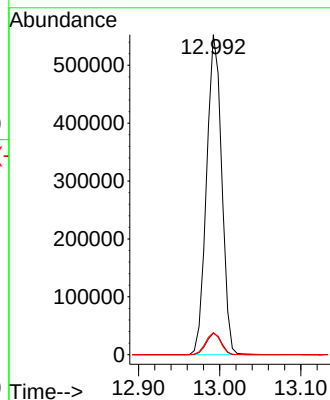
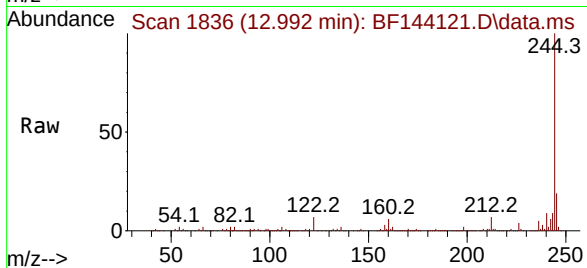
Tgt Ion:244 Resp: 714068

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 6.9 4.9 7.3



#80

Butylbenzylphthalate

Concen: 41.351 ng

RT: 13.469 min Scan# 1917

Delta R.T. -0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

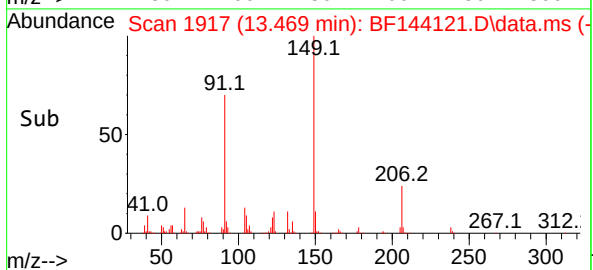
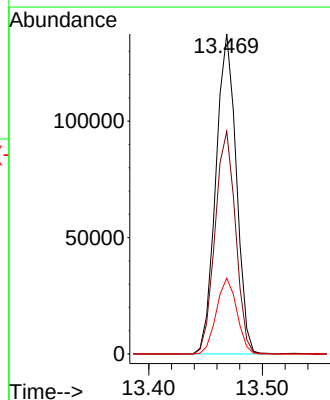
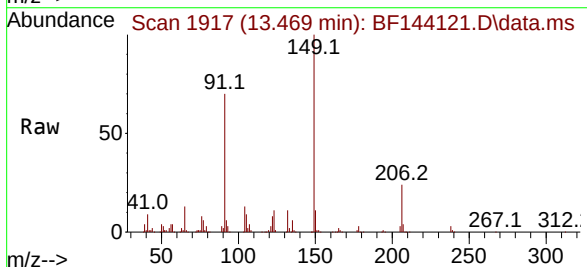
Tgt Ion:149 Resp: 172222

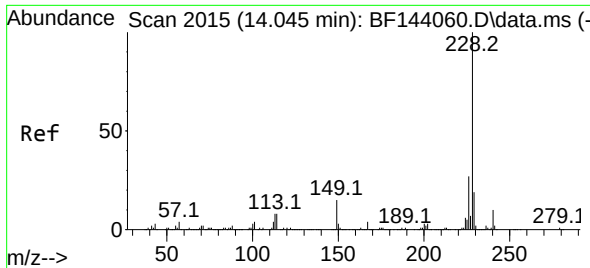
Ion Ratio Lower Upper

149 100

91 69.5 56.6 84.8

206 23.7 18.3 27.5

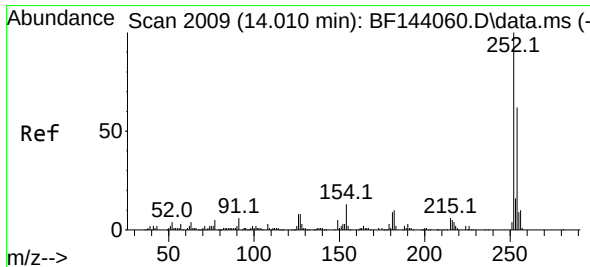
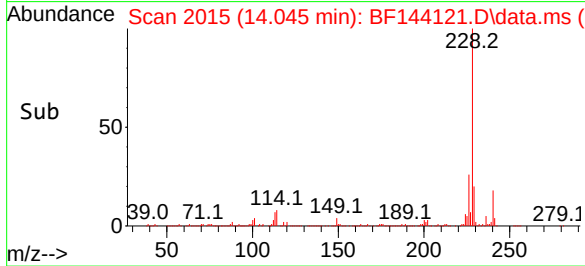
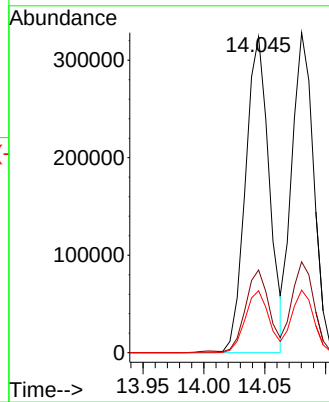
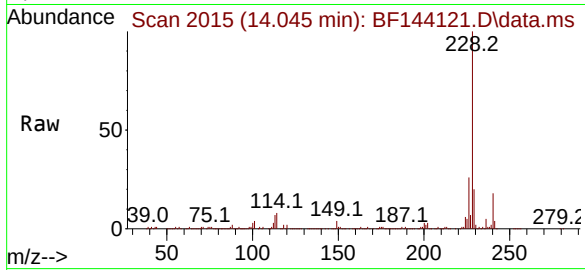




#81
Benzo(a)anthracene
Concen: 42.586 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

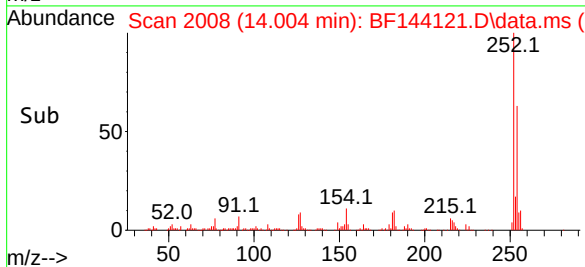
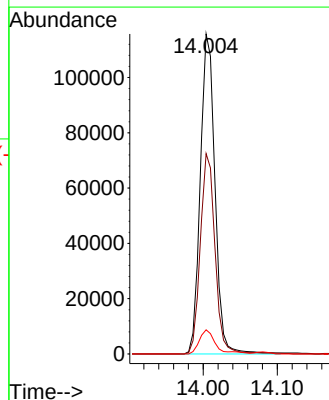
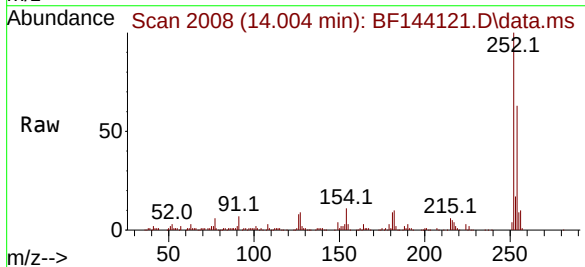
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

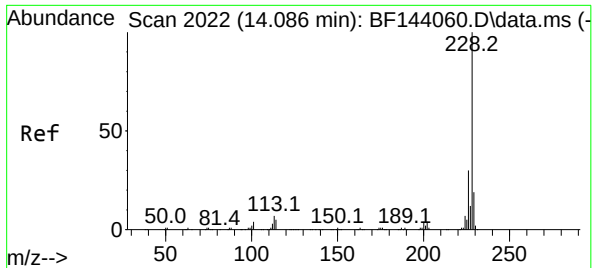
Tgt Ion:228 Resp: 440710
Ion Ratio Lower Upper
228 100
226 26.2 21.4 32.2
229 19.6 15.3 22.9



#82
3,3'-Dichlorobenzidine
Concen: 44.172 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:252 Resp: 159124
Ion Ratio Lower Upper
252 100
254 62.6 49.9 74.9
126 7.6 6.5 9.7





#83

Chrysene

Concen: 42.239 ng

RT: 14.080 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

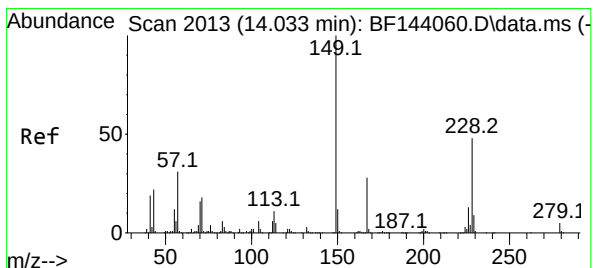
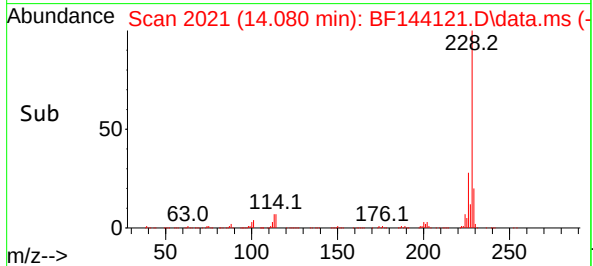
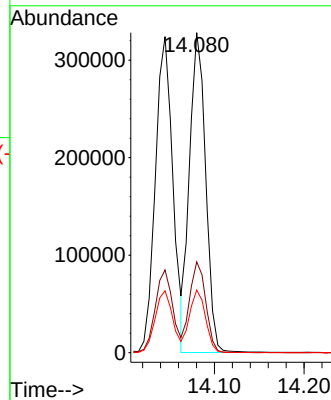
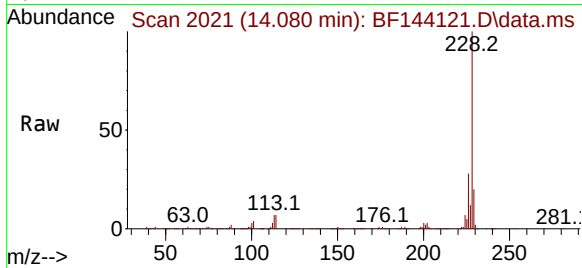
Tgt Ion:228 Resp: 410191

Ion Ratio Lower Upper

228 100

226 28.4 23.8 35.6

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.623 ng

RT: 14.027 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

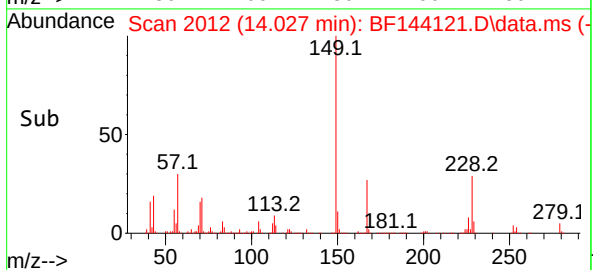
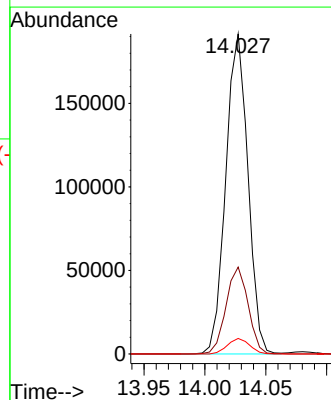
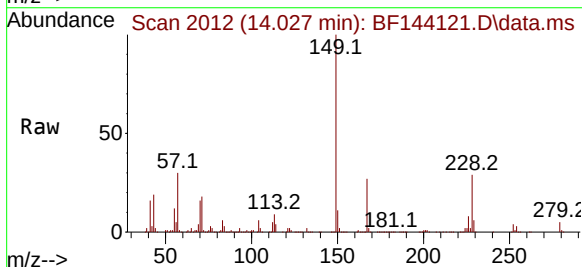
Tgt Ion:149 Resp: 242344

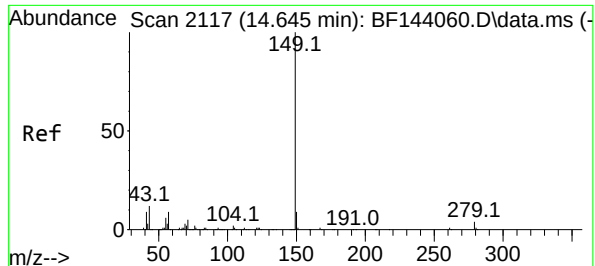
Ion Ratio Lower Upper

149 100

167 27.1 22.5 33.7

279 4.8 3.6 5.4

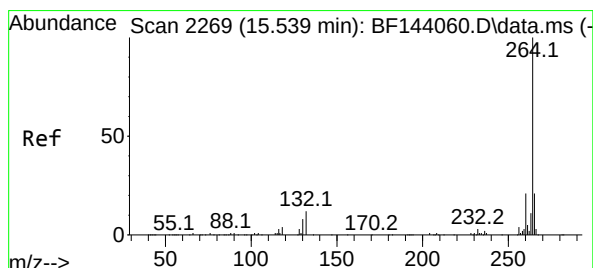
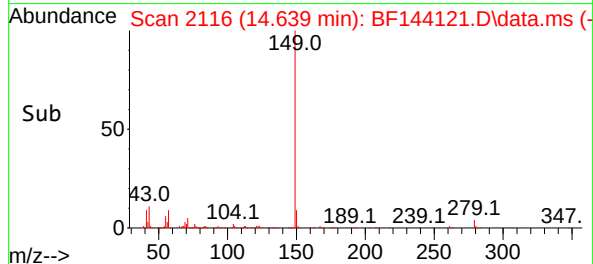
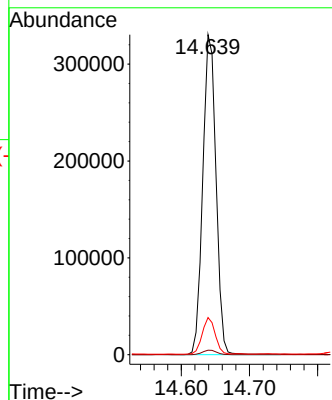
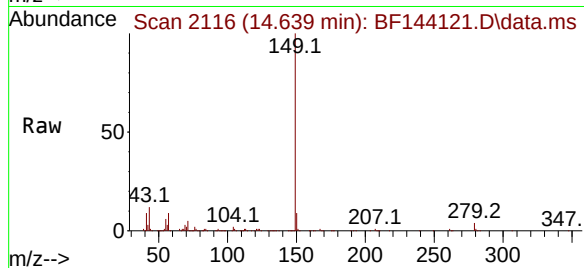




#85
Di-n-octyl phthalate
Concen: 45.619 ng
RT: 14.639 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

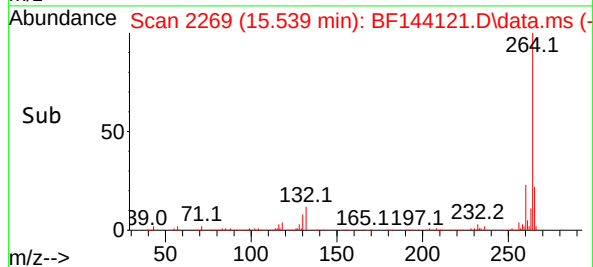
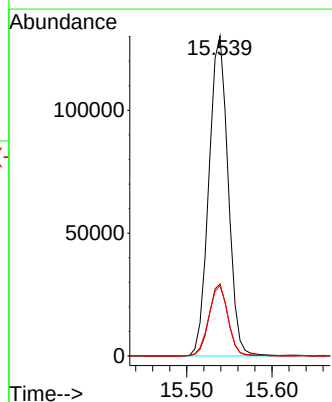
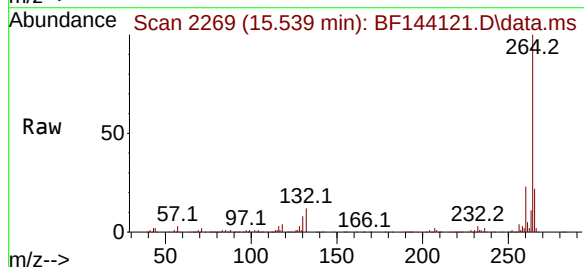
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

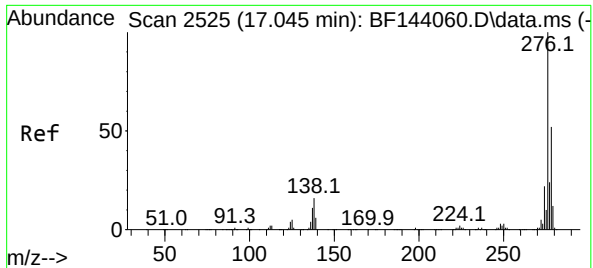
Tgt Ion:149 Resp: 446067
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.3 9.3 13.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144121.D
Acq: 29 Oct 2025 11:30

Tgt Ion:264 Resp: 204043
Ion Ratio Lower Upper
264 100
260 22.5 17.0 25.4
265 21.9 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.307 ng

RT: 17.045 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

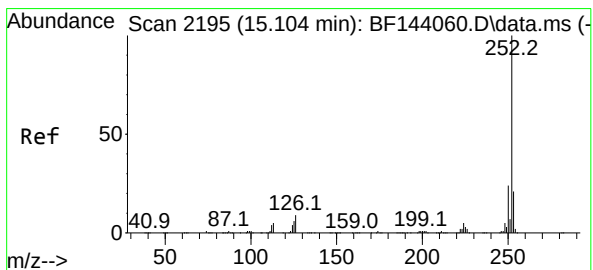
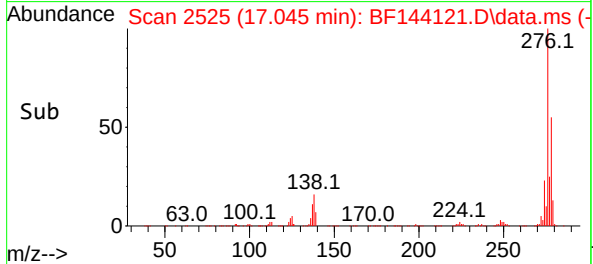
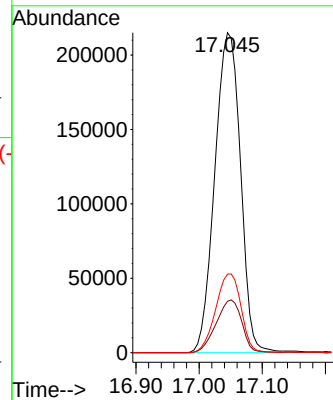
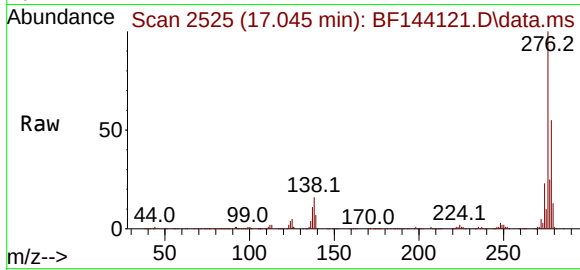
Tgt Ion:276 Resp: 606674

Ion Ratio Lower Upper

276 100

138 16.4 13.0 19.6

277 24.4 19.4 29.0



#88

Benzo(b)fluoranthene

Concen: 40.544 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

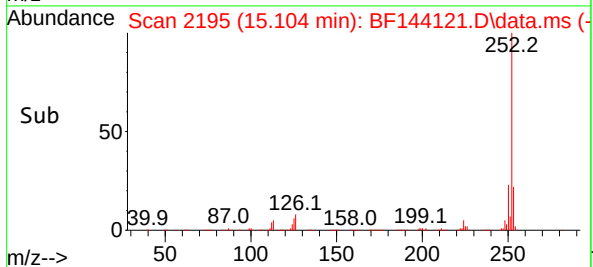
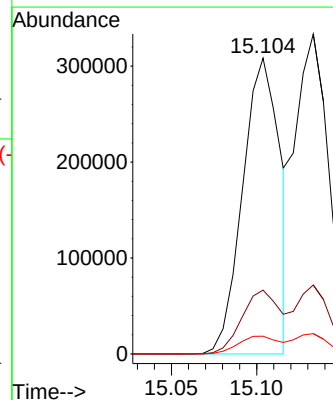
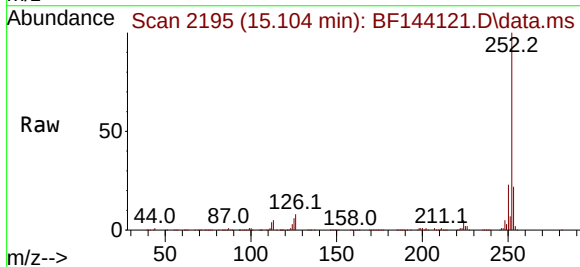
Tgt Ion:252 Resp: 467688

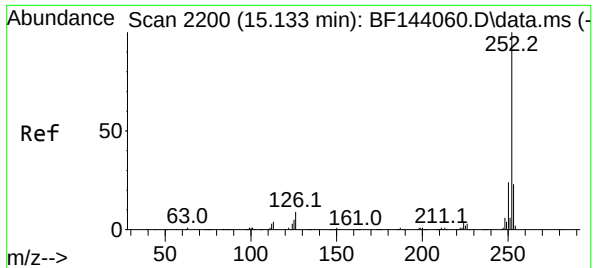
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 6.0 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 43.376 ng

RT: 15.133 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

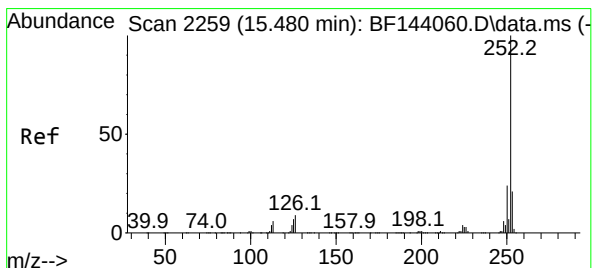
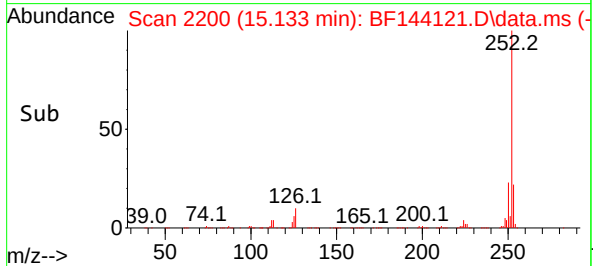
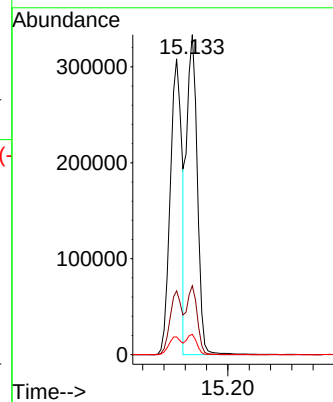
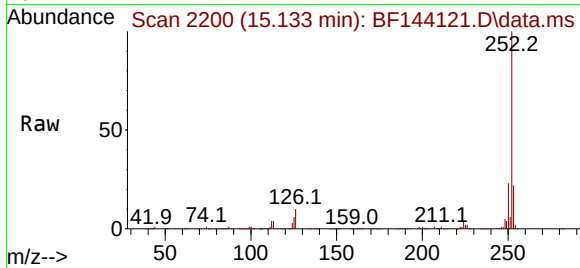
Tgt Ion:252 Resp: 461643

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 6.3 4.9 7.3



#90

Benzo(a)pyrene

Concen: 42.801 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

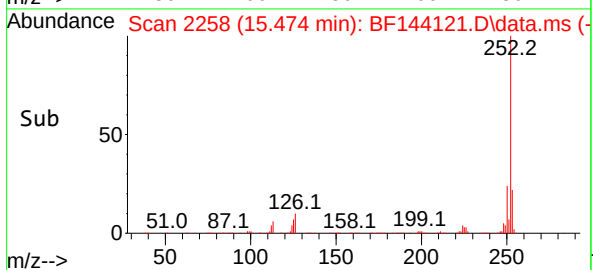
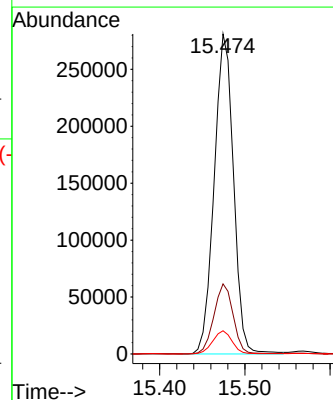
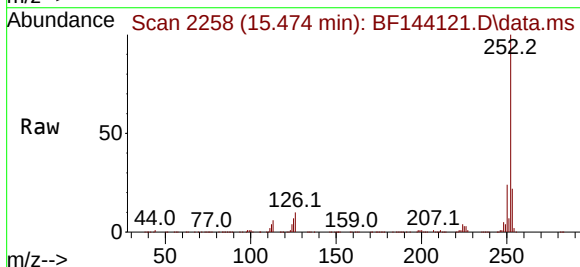
Tgt Ion:252 Resp: 442928

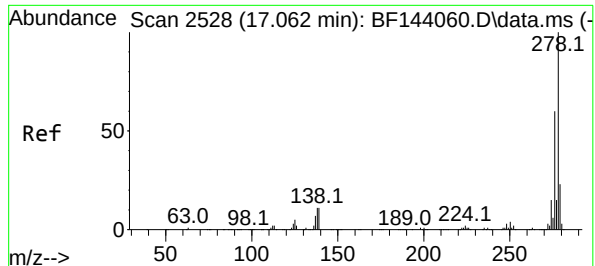
Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

125 7.2 5.4 8.2





#91

Dibenzo(a,h)anthracene

Concen: 43.651 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

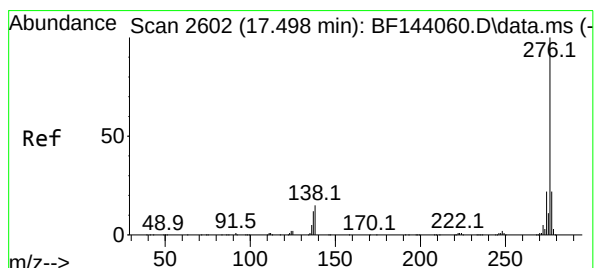
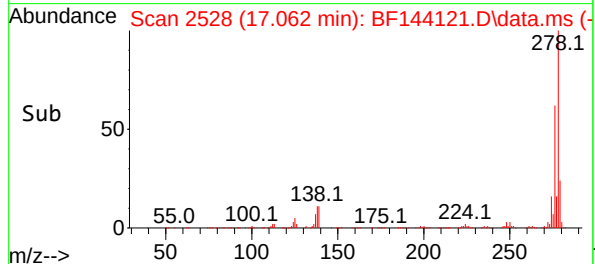
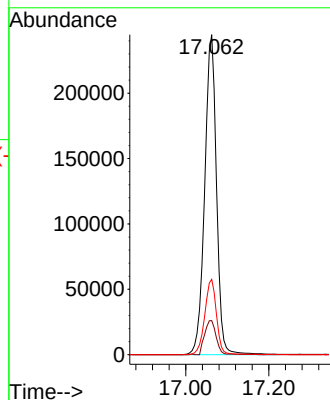
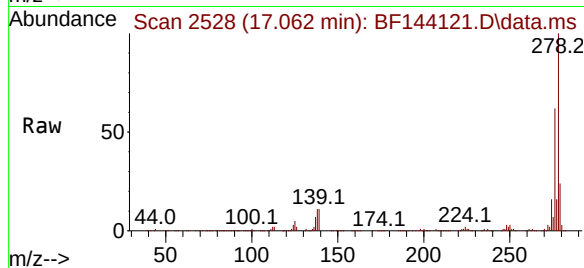
Tgt Ion:278 Resp: 484044

Ion Ratio Lower Upper

278 100

139 10.6 8.5 12.7

279 23.6 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 43.293 ng

RT: 17.504 min Scan# 2603

Delta R.T. 0.006 min

Lab File: BF144121.D

Acq: 29 Oct 2025 11:30

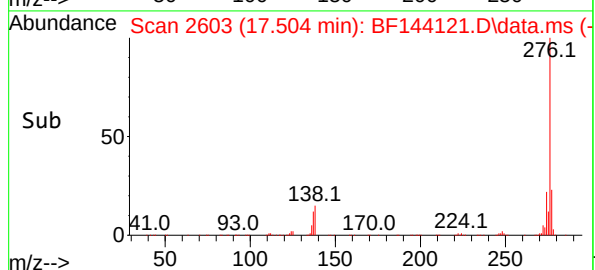
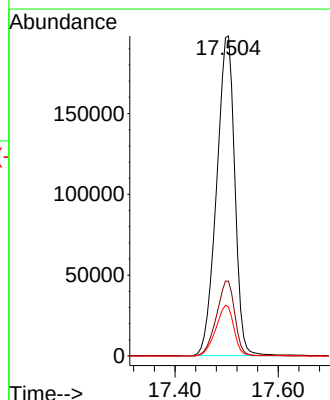
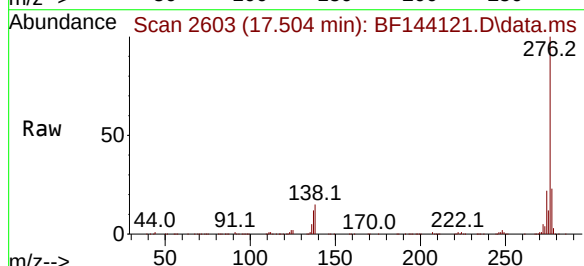
Tgt Ion:276 Resp: 482661

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 15.2 12.0 18.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	124	0.00
2	1,4-Dioxane	0.546	0.560	-2.6	127	-0.02
3	Pyridine	1.462	1.578	-7.9	128	-0.02
4	n-Nitrosodimethylamine	0.899	0.823	8.5	112	-0.02
5 S	2-Fluorophenol	1.264	1.346	-6.5	128	0.00
6	Aniline	1.997	2.098	-5.1	129	0.00
7 S	Phenol-d6	1.396	1.460	-4.6	129	0.00
8	2-Chlorophenol	1.245	1.283	-3.1	127	0.00
9	Benzaldehyde	1.084	1.051	3.0	125	0.00
10 C	Phenol	1.722	1.843	-7.0	132	0.00
11	bis(2-Chloroethyl)ether	1.245	1.332	-7.0	133	0.00
12	1,3-Dichlorobenzene	1.536	1.628	-6.0	129	0.00
13 C	1,4-Dichlorobenzene	1.513	1.602	-5.9	128	0.00
14	1,2-Dichlorobenzene	1.464	1.518	-3.7	127	0.00
15	Benzyl Alcohol	1.135	1.172	-3.3	127	0.00
16	2,2'-oxybis(1-Chloropropane	2.339	2.460	-5.2	129	0.00
17	2-Methylphenol	0.957	1.014	-6.0	135	0.00
18	Hexachloroethane	0.541	0.545	-0.7	124	0.00
19 P	n-Nitroso-di-n-propylamine	0.903	0.927	-2.7	131	0.00
20	3+4-Methylphenols	1.132	1.224	-8.1	130	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	130	0.00
22	Acetophenone	0.432	0.429	0.7	128	0.00
23 S	Nitrobenzene-d5	0.365	0.361	1.1	128	0.00
24	Nitrobenzene	0.386	0.394	-2.1	131	0.00
25	Isophorone	0.638	0.649	-1.7	132	0.00
26 C	2-Nitrophenol	0.184	0.193	-4.9	132	0.00
27	2,4-Dimethylphenol	0.273	0.290	-6.2	132	0.00
28	bis(2-Chloroethoxy)methane	0.398	0.409	-2.8	132	0.00
29 C	2,4-Dichlorophenol	0.317	0.328	-3.5	132	0.00
30	1,2,4-Trichlorobenzene	0.327	0.334	-2.1	130	0.00
31	Naphthalene	0.944	0.957	-1.4	129	0.00
32	Benzoic acid	0.173	0.188	-8.7	168#	0.00
33	4-Chloroaniline	0.329	0.349	-6.1	135	0.00
34 C	Hexachlorobutadiene	0.267	0.260	2.6	126	0.00
35	Caprolactam	0.080	0.084	-5.0	130	0.00
36 C	4-Chloro-3-methylphenol	0.280	0.296	-5.7	137	0.00
37	2-Methylnaphthalene	0.622	0.630	-1.3	128	0.00
38	1-Methylnaphthalene	0.590	0.599	-1.5	132	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	135	0.00
40	1,2,4,5-Tetrachlorobenzene	0.687	0.695	-1.2	133	0.00
41 P	Hexachlorocyclopentadiene	0.212	0.181	14.6	112	0.00
42 S	2,4,6-Tribromophenol	0.255	0.252	1.2	130	0.00
43 C	2,4,6-Trichlorophenol	0.447	0.466	-4.3	134	0.00
44	2,4,5-Trichlorophenol	0.469	0.490	-4.5	142	0.00
45 S	2-Fluorobiphenyl	1.421	1.368	3.7	128	0.00
46	1,1'-Biphenyl	1.432	1.430	0.1	132	0.00
47	2-Chloronaphthalene	1.199	1.242	-3.6	138	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.356	0.357	-0.3	127	0.00
49	Acenaphthylene	1.617	1.679	-3.8	134	0.00
50	Dimethylphthalate	1.311	1.355	-3.4	134	0.00
51	2,6-Dinitrotoluene	0.259	0.272	-5.0	134	0.00
52 C	Acenaphthene	1.080	1.076	0.4	131	0.00
53	3-Nitroaniline	0.288	0.311	-8.0	131	0.00
54 P	2,4-Dinitrophenol	0.140	0.135	3.6	148	0.00
55	Dibenzofuran	1.499	1.529	-2.0	133	0.00
56 P	4-Nitrophenol	0.195	0.193	1.0	140	0.00
57	2,4-Dinitrotoluene	0.350	0.369	-5.4	130	0.00
58	Fluorene	1.143	1.160	-1.5	132	0.00
59	2,3,4,6-Tetrachlorophenol	0.330	0.352	-6.7	132	0.00
60	Diethylphthalate	1.233	1.231	0.2	129	0.00
61	4-Chlorophenyl-phenylether	0.643	0.660	-2.6	132	0.00
62	4-Nitroaniline	0.273	0.277	-1.5	127	0.00
63	Azobenzene	1.167	1.166	0.1	128	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	130	0.00
65	4,6-Dinitro-2-methylphenol	0.128	0.128	0.0	135	0.00
66 c	n-Nitrosodiphenylamine	0.639	0.669	-4.7	135	0.00
67	4-Bromophenyl-phenylether	0.250	0.265	-6.0	132	0.00
68	Hexachlorobenzene	0.307	0.310	-1.0	125	0.00
69	Atrazine	0.210	0.208	1.0	129	0.00
70 C	Pentachlorophenol	0.146	0.162	-11.0	141	0.00
71	Phenanthrene	0.994	1.031	-3.7	132	0.00
72	Anthracene	1.026	1.051	-2.4	129	0.00
73	Carbazole	0.874	0.888	-1.6	127	0.00
74	Di-n-butylphthalate	1.071	1.096	-2.3	127	0.00
75 C	Fluoranthene	1.098	1.097	0.1	127	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	124	0.00
77	Benzidine	0.622	0.657	-5.6	122	0.00
78	Pyrene	1.438	1.509	-4.9	123	0.00
79 S	Terphenyl-d14	1.144	1.166	-1.9	119	0.00
80	Butylbenzylphthalate	0.544	0.562	-3.3	116	0.00
81	Benzo(a)anthracene	1.352	1.439	-6.4	118	0.00
82	3,3'-Dichlorobenzidine	0.470	0.520	-10.6	126	0.00
83	Chrysene	1.268	1.339	-5.6	126	0.00
84	Bis(2-ethylhexyl)phthalate	0.743	0.791	-6.5	123	0.00
85 c	Di-n-octyl phthalate	1.277	1.456	-14.0	129	0.00
86 I	Perylene-d12	1.000	1.000	0.0	133	0.00
87	Indeno(1,2,3-cd)pyrene	1.373	1.487	-8.3	134	0.00
88	Benzo(b)fluoranthene	1.131	1.146	-1.3	121	0.00
89	Benzo(k)fluoranthene	1.043	1.131	-8.4	143	0.00
90 C	Benzo(a)pyrene	1.014	1.085	-7.0	133	0.00
91	Dibenzo(a,h)anthracene	1.087	1.186	-9.1	136	0.00
92	Benzo(g,h,i)perylene	1.093	1.183	-8.2	132	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144121.D
Acq On : 29 Oct 2025 11:30
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Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	124	0.00
2	1,4-Dioxane	40.000	41.016	-2.5	127	-0.02
3	Pyridine	40.000	43.152	-7.9	128	-0.02
4	n-Nitrosodimethylamine	40.000	36.615	8.5	112	-0.02
5 S	2-Fluorophenol	80.000	85.206	-6.5	128	0.00
6	Aniline	40.000	42.009	-5.0	129	0.00
7 S	Phenol-d6	80.000	83.686	-4.6	129	0.00
8	2-Chlorophenol	40.000	41.239	-3.1	127	0.00
9	Benzaldehyde	40.000	38.777	3.1	125	0.00
10 C	Phenol	40.000	42.796	-7.0	132	0.00
11	bis(2-Chloroethyl)ether	40.000	42.797	-7.0	133	0.00
12	1,3-Dichlorobenzene	40.000	42.415	-6.0	129	0.00
13 C	1,4-Dichlorobenzene	40.000	42.348	-5.9	128	0.00
14	1,2-Dichlorobenzene	40.000	41.472	-3.7	127	0.00
15	Benzyl Alcohol	40.000	41.303	-3.3	127	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	42.062	-5.2	129	0.00
17	2-Methylphenol	40.000	42.361	-5.9	135	0.00
18	Hexachloroethane	40.000	40.302	-0.8	124	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.075	-2.7	131	0.00
20	3+4-Methylphenols	40.000	43.254	-8.1	130	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	130	0.00
22	Acetophenone	40.000	39.693	0.8	128	0.00
23 S	Nitrobenzene-d5	80.000	79.215	1.0	128	0.00
24	Nitrobenzene	40.000	40.760	-1.9	131	0.00
25	Isophorone	40.000	40.647	-1.6	132	0.00
26 C	2-Nitrophenol	40.000	42.017	-5.0	132	0.00
27	2,4-Dimethylphenol	40.000	42.492	-6.2	132	0.00
28	bis(2-Chloroethoxy)methane	40.000	41.132	-2.8	132	0.00
29 C	2,4-Dichlorophenol	40.000	41.318	-3.3	132	0.00
30	1,2,4-Trichlorobenzene	40.000	40.926	-2.3	130	0.00
31	Naphthalene	40.000	40.566	-1.4	129	0.00
32	Benzoic acid	40.000	43.387	-8.5	168	0.00
33	4-Chloroaniline	40.000	42.453	-6.1	135	0.00
34 C	Hexachlorobutadiene	40.000	38.895	2.8	126	0.00
35	Caprolactam	40.000	42.378	-5.9	130	0.00
36 C	4-Chloro-3-methylphenol	40.000	42.237	-5.6	137	0.00
37	2-Methylnaphthalene	40.000	40.463	-1.2	128	0.00
38	1-Methylnaphthalene	40.000	40.665	-1.7	132	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	135	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.433	-1.1	133	0.00
41 P	Hexachlorocyclopentadiene	40.000	34.011	15.0	112	0.00
42 S	2,4,6-Tribromophenol	80.000	79.017	1.2	130	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.760	-4.4	134	0.00
44	2,4,5-Trichlorophenol	40.000	41.791	-4.5	142	0.00
45 S	2-Fluorobiphenyl	80.000	77.029	3.7	128	0.00
46	1,1'-Biphenyl	40.000	39.957	0.1	132	0.00
47	2-Chloronaphthalene	40.000	41.405	-3.5	138	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.037	-0.1	127	0.00
49	Acenaphthylene	40.000	41.536	-3.8	134	0.00
50	Dimethylphthalate	40.000	41.342	-3.4	134	0.00
51	2,6-Dinitrotoluene	40.000	42.046	-5.1	134	0.00
52 C	Acenaphthene	40.000	39.855	0.4	131	0.00
53	3-Nitroaniline	40.000	43.238	-8.1	131	0.00
54 P	2,4-Dinitrophenol	40.000	38.660	3.4	148	0.00
55	Dibenzofuran	40.000	40.786	-2.0	133	0.00
56 P	4-Nitrophenol	40.000	39.550	1.1	140	0.00
57	2,4-Dinitrotoluene	40.000	42.178	-5.4	130	0.00
58	Fluorene	40.000	40.609	-1.5	132	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.612	-6.5	132	0.00
60	Diethylphthalate	40.000	39.944	0.1	129	0.00
61	4-Chlorophenyl-phenylether	40.000	41.094	-2.7	132	0.00
62	4-Nitroaniline	40.000	40.525	-1.3	127	0.00
63	Azobenzene	40.000	39.963	0.1	128	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	130	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.830	0.4	135	0.00
66 c	n-Nitrosodiphenylamine	40.000	41.875	-4.7	135	0.00
67	4-Bromophenyl-phenylether	40.000	42.302	-5.8	132	0.00
68	Hexachlorobenzene	40.000	40.395	-1.0	125	0.00
69	Atrazine	40.000	39.616	1.0	129	0.00
70 C	Pentachlorophenol	40.000	44.431	-11.1	141	0.00
71	Phenanthrene	40.000	41.526	-3.8	132	0.00
72	Anthracene	40.000	40.944	-2.4	129	0.00
73	Carbazole	40.000	40.663	-1.7	127	0.00
74	Di-n-butylphthalate	40.000	40.941	-2.4	127	0.00
75 C	Fluoranthene	40.000	39.974	0.1	127	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	124	0.00
77	Benzydine	40.000	42.231	-5.6	122	0.00
78	Pyrene	40.000	41.969	-4.9	123	0.00
79 S	Terphenyl-d14	80.000	81.522	-1.9	119	0.00
80	Butylbenzylphthalate	40.000	41.351	-3.4	116	0.00
81	Benzo(a)anthracene	40.000	42.586	-6.5	118	0.00
82	3,3'-Dichlorobenzidine	40.000	44.172	-10.4	126	0.00
83	Chrysene	40.000	42.239	-5.6	126	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.623	-6.6	123	0.00
85 c	Di-n-octyl phthalate	40.000	45.619	-14.0	129	0.00
86 I	Perylene-d12	20.000	20.000	0.0	133	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	43.307	-8.3	134	0.00
88	Benzo(b)fluoranthene	40.000	40.544	-1.4	121	0.00
89	Benzo(k)fluoranthene	40.000	43.376	-8.4	143	0.00
90 C	Benzo(a)pyrene	40.000	42.801	-7.0	133	0.00
91	Dibenzo(a,h)anthracene	40.000	43.651	-9.1	136	0.00
92	Benzo(g,h,i)perylene	40.000	43.293	-8.2	132	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
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Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/28/2025 13:45</u>
Lab File ID:	<u>BG064600.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.244		4.4	
Benzaldehyde	0.893	0.888		-0.6	
Phenol-d6	1.635	1.675		2.4	
Phenol	1.808	1.888		4.4	20.0
bis(2-Chloroethyl)ether	2.225	2.289		2.9	
2-Chlorophenol	1.247	1.245		-0.2	
2-Methylphenol	0.674	0.680		0.9	
2,2-oxybis(1-Chloropropane)	3.487	3.880		11.3	
Acetophenone	0.547	0.583		6.6	
3+4-Methylphenols	1.688	1.671		-1.0	
n-Nitroso-di-n-propylamine	1.130	1.210	0.050	7.1	
Nitrobenzene-d5	0.333	0.361		8.4	
Hexachloroethane	0.512	0.551		7.6	
Nitrobenzene	0.362	0.392		8.3	
Isophorone	0.799	0.869		8.8	
2-Nitrophenol	0.121	0.135		11.6	20.0
2,4-Dimethylphenol	0.303	0.323		6.6	
bis(2-Chloroethoxy)methane	0.455	0.488		7.3	
2,4-Dichlorophenol	0.320	0.337		5.3	20.0
Naphthalene	1.109	1.185		6.9	
4-Chloroaniline	0.431	0.453		5.1	
Hexachlorobutadiene	0.284	0.301		6.0	20.0
Caprolactam	0.123	0.122		-0.8	
4-Chloro-3-methylphenol	0.384	0.408		6.3	20.0
2-Methylnaphthalene	0.814	0.869		6.8	
Hexachlorocyclopentadiene	0.302	0.327	0.050	8.3	
2,4,6-Trichlorophenol	0.384	0.408		6.3	20.0
2-Fluorobiphenyl	1.319	1.384		4.9	
2,4,5-Trichlorophenol	0.443	0.462		4.3	
1,1-Biphenyl	1.422	1.511		6.3	
2-Chloronaphthalene	1.073	1.142		6.4	
2-Nitroaniline	0.311	0.324		4.2	
Dimethylphthalate	1.530	1.578		3.1	
Acenaphthylene	1.693	1.798		6.2	
2,6-Dinitrotoluene	0.218	0.235		7.8	
3-Nitroaniline	0.263	0.290		10.3	
Acenaphthene	1.157	1.231		6.4	20.0
2,4-Dinitrophenol	0.132	0.158	0.050	19.7	
4-Nitrophenol	0.244	0.261	0.050	7.0	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02
 Lab Code: ACE SDG No.: Q3419
 Instrument ID: BNA_G Calibration Date/Time: 10/28/2025 13:45
 Lab File ID: BG064600.D Init. Calib. Date(s): 10/24/2025 10/24/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.967		5.2	
2,4-Dinitrotoluene	0.340	0.374		10.0	
Diethylphthalate	1.563	1.619		3.6	
4-Chlorophenyl-phenylether	0.820	0.874		6.6	
Fluorene	1.460	1.566		7.3	
4-Nitroaniline	0.293	0.338		15.4	
4,6-Dinitro-2-methylphenol	0.079	0.096		21.5	
n-Nitrosodiphenylamine	0.540	0.566		4.8	20.0
2,4,6-Tribromophenol	0.289	0.305		5.5	
4-Bromophenyl-phenylether	0.237	0.250		5.5	
Hexachlorobenzene	0.270	0.286		5.9	
Atrazine	0.232	0.232		0.0	
Pentachlorophenol	0.169	0.180		6.5	20.0
Phenanthrene	1.094	1.174		7.3	
Anthracene	1.113	1.198		7.6	
Carbazole	0.981	1.064		8.5	
Di-n-butylphthalate	1.135	1.176		3.6	
Fluoranthene	1.370	1.518		10.8	20.0
Pyrene	1.307	1.281		-2.0	
Terphenyl-d14	1.060	1.051		-0.8	
Butylbenzylphthalate	0.395	0.408		3.3	
3,3-Dichlorobenzidine	0.443	0.483		9.0	
Benzo (a) anthracene	1.326	1.430		7.8	
Chrysene	1.262	1.347		6.7	
Bis (2-ethylhexyl) phthalate	0.590	0.618		4.7	
Di-n-octyl phthalate	0.995	1.069		7.4	20.0
Benzo (b) fluoranthene	1.226	1.284		4.7	
Benzo (k) fluoranthene	1.227	1.304		6.3	
Benzo (a) pyrene	1.127	1.201		6.6	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.584		7.7	
Dibenzo (a,h) anthracene	1.195	1.292		8.1	
Benzo (g,h,i) perylene	1.471	1.584		7.7	
1,2,4,5-Tetrachlorobenzene	0.671	0.712		6.1	
1,4-Dioxane	0.528	0.500		-5.3	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.450		6.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064600.D
 Acq On : 28 Oct 2025 13:45
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025

Quant Time: Oct 28 14:21:08 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	28654	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	112694	20.000	ng	0.00
39) Acenaphthene-d10	14.841	164	87446	20.000	ng	0.00
64) Phenanthrene-d10	17.573	188	216707	20.000	ng	0.00
76) Chrysene-d12	21.850	240	273944	20.000	ng	-0.01
86) Perylene-d12	25.187	264	304830	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.740	112	142616	83.542	ng	0.00
7) Phenol-d6	7.349	99	191982	81.955	ng	0.00
23) Nitrobenzene-d5	9.382	82	162656	86.691	ng	0.00
42) 2,4,6-Tribromophenol	16.315	330	106515	84.394	ng	0.00
45) 2-Fluorobiphenyl	13.472	172	484009	83.896	ng	0.00
79) Terphenyl-d14	20.164	244	1151331	79.314	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.583	88	28627	37.877	ng	96
3) Pyridine	3.995	79	85039	37.468	ng	96
4) n-Nitrosodimethylamine	3.901	42	48193	39.595	ng	98
6) Aniline	7.526	93	131167	41.150	ng	97
8) 2-Chlorophenol	7.773	128	71365	39.939	ng	97
9) Benzaldehyde	7.338	77	50881	39.786	ng	98
10) Phenol	7.373	94	108177	41.757	ng	93
11) bis(2-Chloroethyl)ether	7.526	93	131167	41.150	ng	100
12) 1,3-Dichlorobenzene	8.107	146	85428	41.539	ng	99
13) 1,4-Dichlorobenzene	8.254	146	87240	41.719	ng	92
14) 1,2-Dichlorobenzene	8.577	146	82629	40.967	ng	97
15) Benzyl Alcohol	8.442	79	75132	38.894	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.736	45	222337	44.501	ng	98
17) 2-Methylphenol	8.442	107	38996	40.386	ng	89
18) Hexachloroethane	9.324	117	31601	43.063	ng	91
19) n-Nitroso-di-n-propyla...	9.018	70	69339	42.830	ng	98
20) 3+4-Methylphenols	8.971	107	95766	39.590	ng	98
22) Acetophenone	9.036	105	131316	42.627	ng	# 99
24) Nitrobenzene	9.424	77	88243	43.241	ng	99
25) Isophorone	9.952	82	195962	43.526	ng	98
26) 2-Nitrophenol	10.140	139	30416	39.240	ng	95
27) 2,4-Dimethylphenol	10.187	122	72780	42.606	ng	92
28) bis(2-Chloroethoxy)met...	10.428	93	110021	42.920	ng	99
29) 2,4-Dichlorophenol	10.675	162	75996	42.166	ng	98
30) 1,2,4-Trichlorobenzene	10.904	180	88031	42.989	ng	94
31) Naphthalene	11.092	128	267088	42.747	ng	98
32) Benzoic acid	10.293	122	40002m	34.725	ng	
33) 4-Chloroaniline	11.186	127	102047	42.020	ng	96
34) Hexachlorobutadiene	11.386	225	67950	42.430	ng	97
35) Caprolactam	11.944	113	27418	39.664	ng	# 82
36) 4-Chloro-3-methylphenol	12.285	107	91886	42.414	ng	95
37) 2-Methylnaphthalene	12.684	142	195870	42.698	ng	99
38) 1-Methylnaphthalene	12.902	142	190905	42.294	ng	100
40) 1,2,4,5-Tetrachloroben...	13.049	216	124461	42.409	ng	99
41) Hexachlorocyclopentadiene	13.037	237	57178	43.286	ng	96
43) 2,4,6-Trichlorophenol	13.272	196	71291	42.468	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064600.D
 Acq On : 28 Oct 2025 13:45
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025

Quant Time: Oct 28 14:21:08 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.342	196	80887	41.754	ng	99
46) 1,1'-Biphenyl	13.677	154	264348	42.521	ng	98
47) 2-Chloronaphthalene	13.724	162	199722	42.561	ng	99
48) 2-Nitroaniline	13.906	65	56752	36.830	ng	95
49) Acenaphthylene	14.565	152	314519	42.492	ng	100
50) Dimethylphthalate	14.283	163	275910	41.234	ng	100
51) 2,6-Dinitrotoluene	14.394	165	41085	37.929	ng	97
52) Acenaphthene	14.905	154	215218	42.558	ng	99
53) 3-Nitroaniline	14.723	138	50696	44.086	ng	98
54) 2,4-Dinitrophenol	14.923	184	27617	43.496	ng	79
55) Dibenzofuran	15.234	168	344095	42.088	ng	96
56) 4-Nitrophenol	15.011	139	45706	42.870	ng	92
57) 2,4-Dinitrotoluene	15.176	165	65358	38.904	ng	# 98
58) Fluorene	15.881	166	273843	42.889	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.452	232	78718	42.494	ng	99
60) Diethylphthalate	15.640	149	283156	41.444	ng	98
61) 4-Chlorophenyl-phenyle...	15.869	204	152906	42.673	ng	97
62) 4-Nitroaniline	15.881	138	59041	46.150	ng	95
63) Azobenzene	16.163	77	272127	43.410	ng	97
65) 4,6-Dinitro-2-methylph...	15.939	198	41592	44.112	ng	93
66) n-Nitrosodiphenylamine	16.080	169	245458	41.931	ng	98
67) 4-Bromophenyl-phenylether	16.762	248	108377	42.202	ng	98
68) Hexachlorobenzene	16.885	284	124024	42.333	ng	97
69) Atrazine	17.015	200	100596	39.933	ng	97
70) Pentachlorophenol	17.220	266	77871	42.624	ng	94
71) Phenanthrene	17.620	178	508872	42.940	ng	99
72) Anthracene	17.708	178	519429	43.088	ng	100
73) Carbazole	17.966	167	461150	43.381	ng	99
74) Di-n-butylphthalate	18.525	149	509848	41.476	ng	99
75) Fluoranthene	19.612	202	657820	44.309	ng	100
77) Benzidine	19.776	184	263080	42.865	ng	99
78) Pyrene	19.970	202	701611	39.200	ng	99
80) Butylbenzylphthalate	20.851	149	223322	41.284	ng	98
81) Benzo(a)anthracene	21.833	228	783360	43.127	ng	99
82) 3,3'-Dichlorobenzidine	21.733	252	264664	43.634	ng	99
83) Chrysene	21.897	228	737979	42.699	ng	99
84) Bis(2-ethylhexyl)phtha...	21.738	149	338648	41.896	ng	99
85) Di-n-octyl phthalate	23.002	149	585842	42.989	ng	99
87) Indeno(1,2,3-cd)pyrene	29.030	276	965926	43.075	ng	99
88) Benzo(b)fluoranthene	24.136	252	782982	41.888	ng	100
89) Benzo(k)fluoranthene	24.200	252	795148	42.510	ng	98
90) Benzo(a)pyrene	25.041	252	732498	42.632	ng	98
91) Dibenzo(a,h)anthracene	29.095	278	787525	43.228	ng	97
92) Benzo(g,h,i)perylene	29.030	276	965926	43.075	ng	99

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

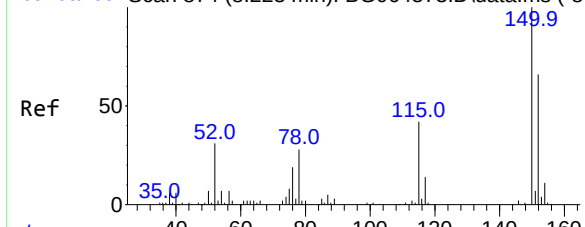
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86)



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.219 min Scan# 81

Delta R.T. -0.002 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 28654

Ion Ratio Lower Upper

152 100

150 154.2 122.2 183.4

115 59.3 50.8 76.2

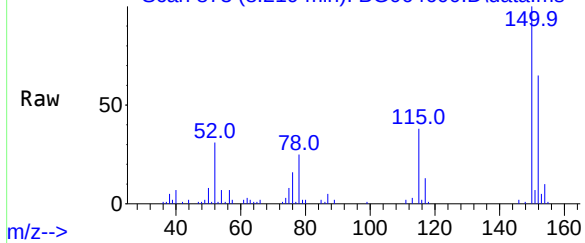
Manual Integrations

APPROVED

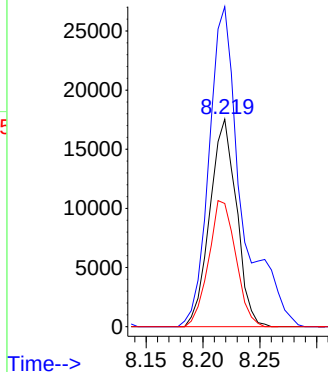
Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025

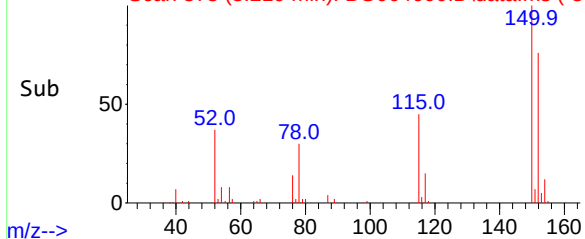
Abundance Scan 873 (8.219 min): BG064600.D\data.ms



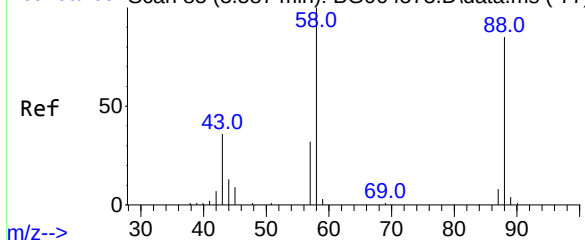
Abundance



Abundance Scan 873 (8.219 min): BG064600.D\data.ms (-85)



Abundance Scan 85 (3.587 min): BG064573.D\data.ms (-77)



#2

1,4-Dioxane

Concen: 37.877 ng

RT: 3.583 min Scan# 84

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion: 88 Resp: 28627

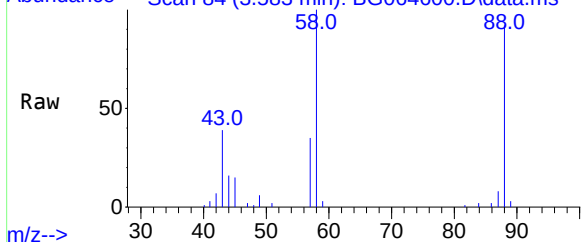
Ion Ratio Lower Upper

88 100

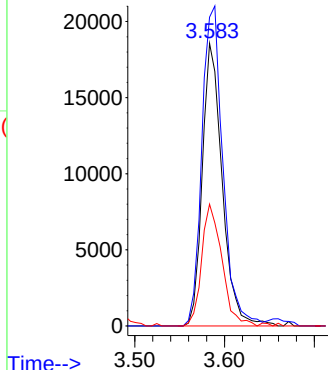
58 119.2 92.4 138.6

43 43.7 33.0 49.6

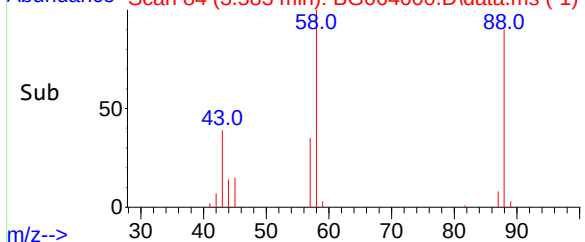
Abundance Scan 84 (3.583 min): BG064600.D\data.ms

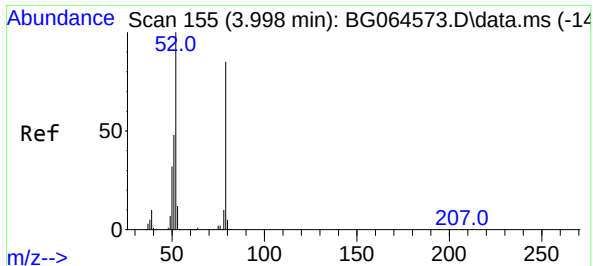


Abundance



Abundance Scan 84 (3.583 min): BG064600.D\data.ms (-1)





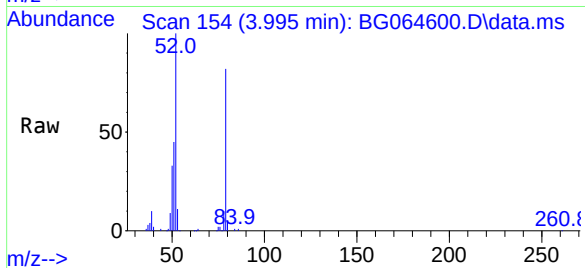
#3
Pyridine
Concen: 37.468 ng
RT: 3.995 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

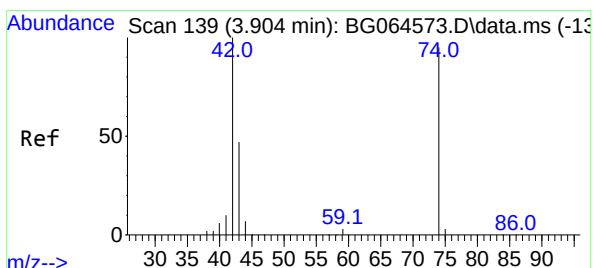
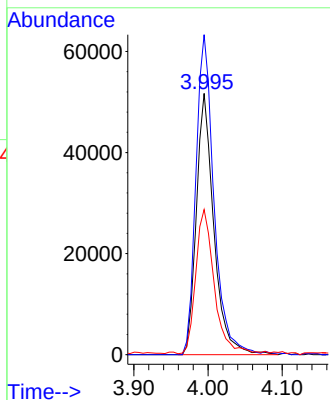
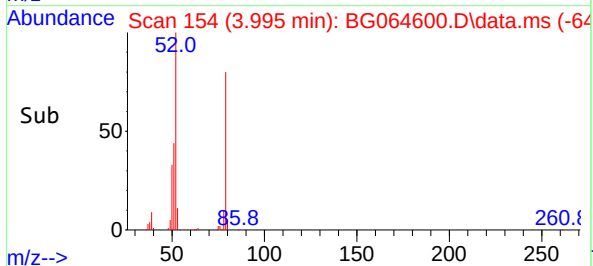
SSTDCCC040



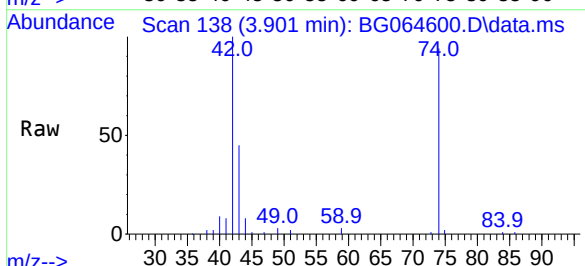
Tgt Ion: 79 Resp: 85039
Ion Ratio Lower Upper
79 100
52 122.5 94.2 141.2
51 55.5 46.1 69.1

Manual Integrations
APPROVED

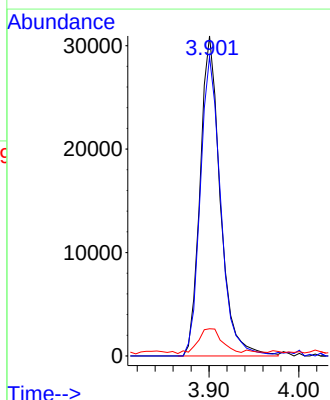
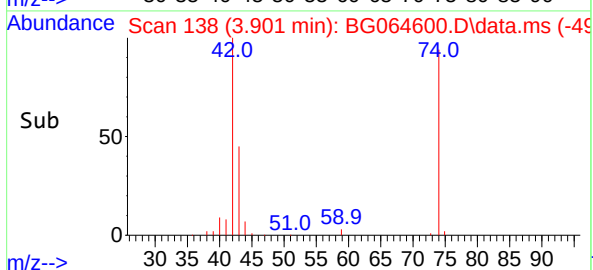
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

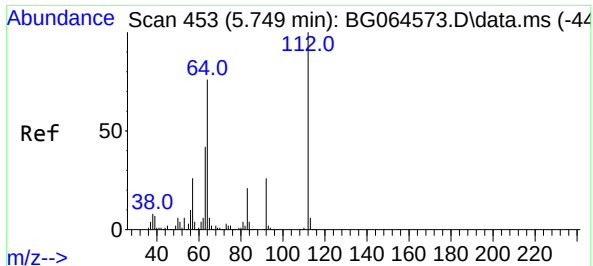


#4
n-Nitrosodimethylamine
Concen: 39.595 ng
RT: 3.901 min Scan# 138
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



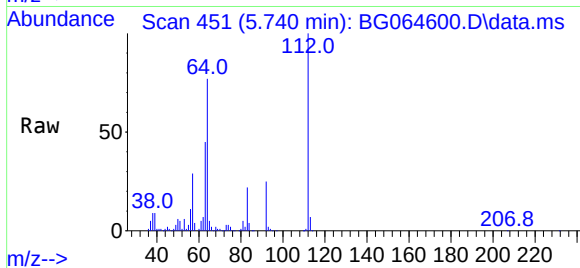
Tgt Ion: 42 Resp: 48193
Ion Ratio Lower Upper
42 100
74 93.5 76.1 114.1
44 8.5 6.3 9.5





#5
2-Fluorophenol
Concen: 83.542 ng
RT: 5.740 min Scan# 453
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

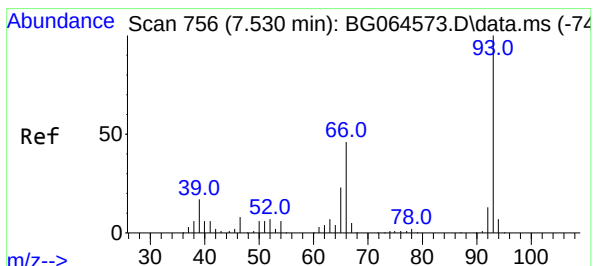
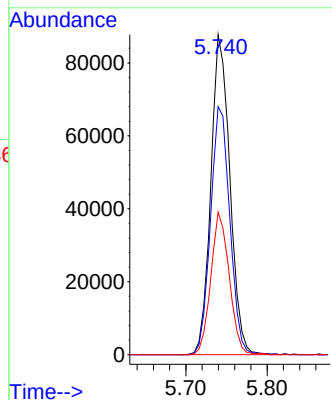
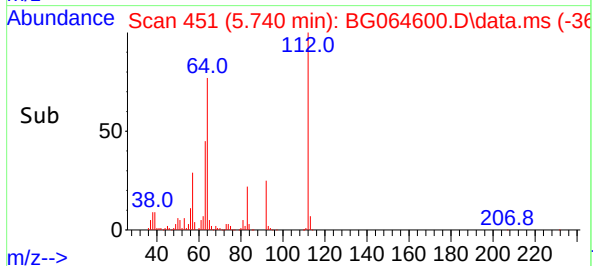
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040



Tgt Ion: 112 Resp: 142610
Ion Ratio Lower Upper
112 100
64 77.5 60.7 91.1
63 44.5 33.4 50.0

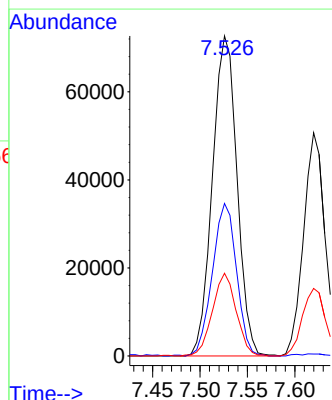
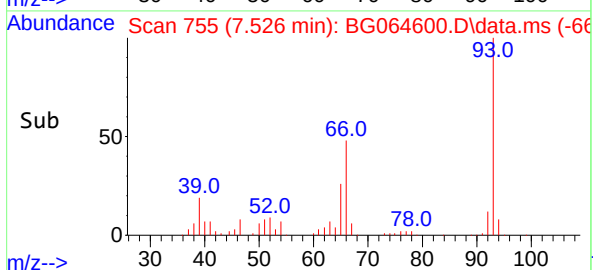
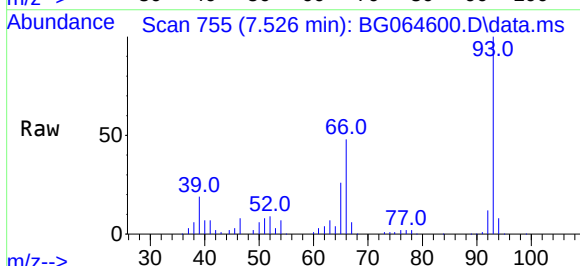
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

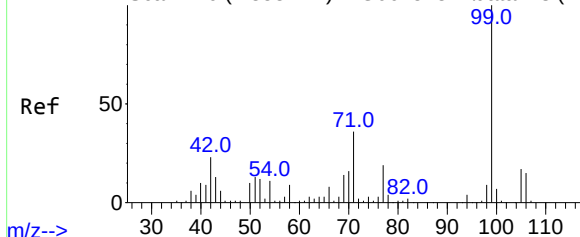


#6
Aniline
Concen: 41.150 ng
RT: 7.526 min Scan# 755
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 93 Resp: 131167
Ion Ratio Lower Upper
93 100
66 47.7 37.0 55.6
65 25.9 18.3 27.5



Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



#7

Phenol-d6

Concen: 81.955 ng

RT: 7.349 min Scan# 71

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion: 99 Resp: 19198

Ion Ratio Lower Upper

99 100

42 25.3 18.3 27.5

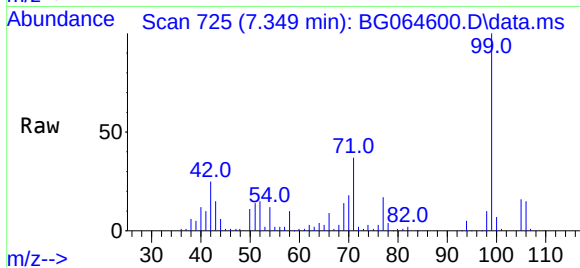
71 37.5 28.6 43.0

Manual Integrations

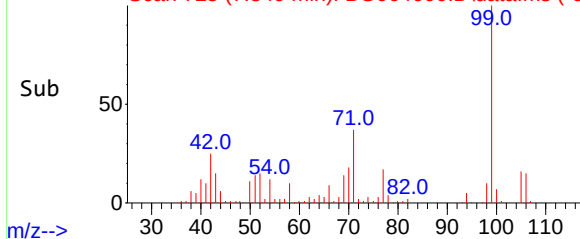
APPROVED

Reviewed By :Rahul Chavli 10/29/2025

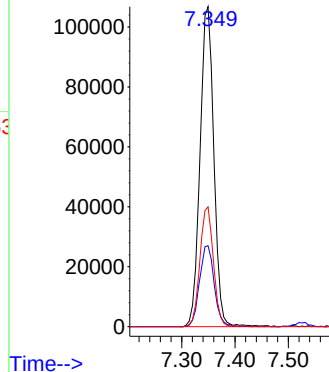
Supervised By :Jagrut Upadhyay 10/29/2025



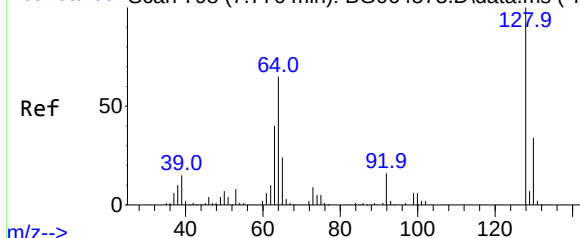
Abundance Scan 725 (7.349 min): BG064600.D\data.ms (-63



Abundance



Abundance Scan 798 (7.776 min): BG064573.D\data.ms (-79



#8

2-Chlorophenol

Concen: 39.939 ng

RT: 7.773 min Scan# 797

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

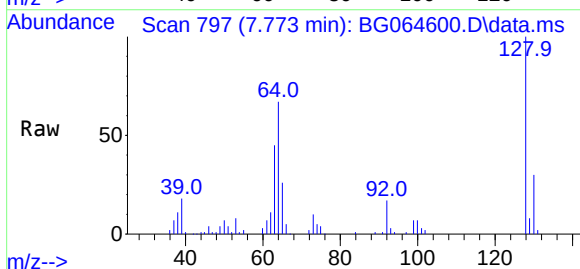
Tgt Ion:128 Resp: 71365

Ion Ratio Lower Upper

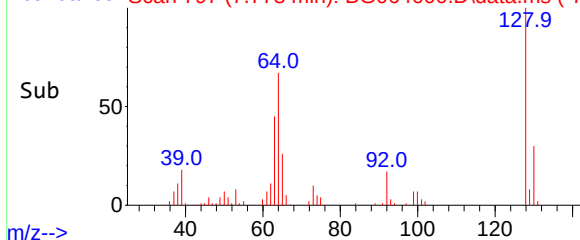
128 100

130 30.5 13.5 53.5

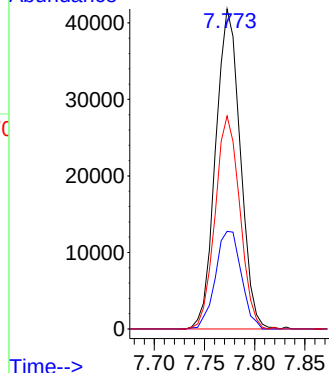
64 66.5 45.2 85.2



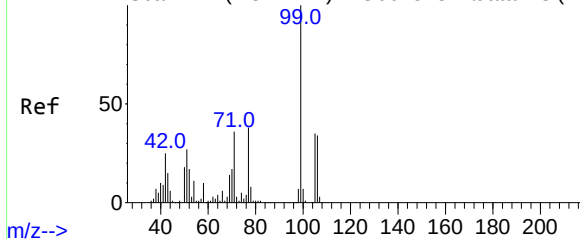
Abundance Scan 797 (7.773 min): BG064600.D\data.ms (-70



Abundance



Abundance Scan 724 (7.342 min): BG064573.D\data.ms (-71



#9

Benzaldehyde

Concen: 39.786 ng

RT: 7.338 min Scan# 71

Delta R.T. -0.001 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

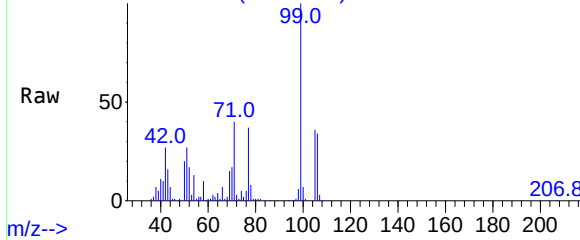
BNA_G

ClientSampleId :

SSTDCCC040

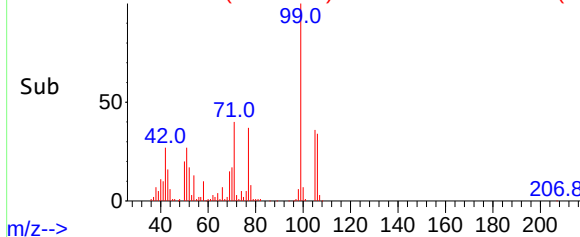
m/z-->

Abundance Scan 723 (7.338 min): BG064600.D\data.ms



m/z-->

Abundance Scan 723 (7.338 min): BG064600.D\data.ms (-70



m/z-->

Tgt Ion: 77 Resp: 5088

Ion Ratio Lower Upper

77 100

105 95.7 72.9 112.9

106 90.9 70.8 110.8

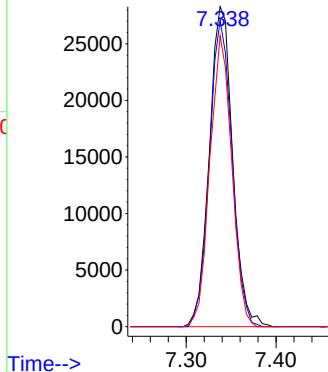
Manual Integrations

APPROVED

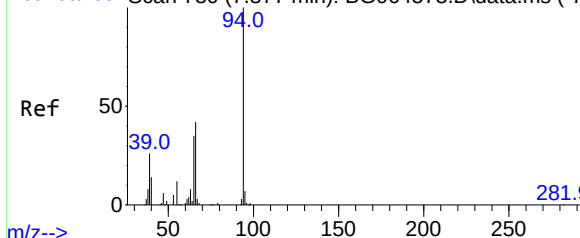
Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025

Abundance

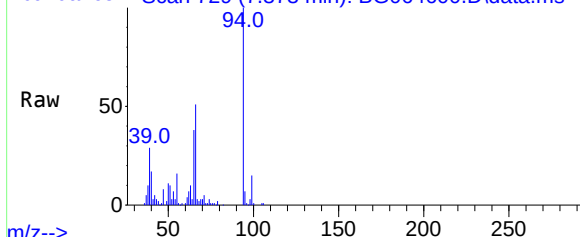


Abundance Scan 730 (7.377 min): BG064573.D\data.ms (-72



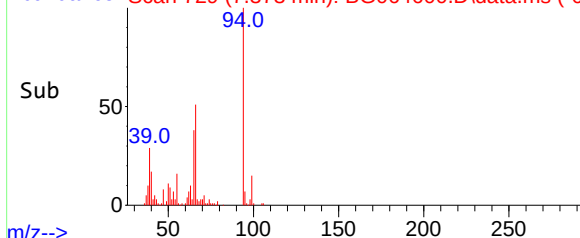
m/z-->

Abundance Scan 729 (7.373 min): BG064600.D\data.ms



m/z-->

Abundance Scan 729 (7.373 min): BG064600.D\data.ms (-64



m/z-->

#10

Phenol

Concen: 41.757 ng

RT: 7.373 min Scan# 729

Delta R.T. -0.013 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion: 94 Resp: 108177

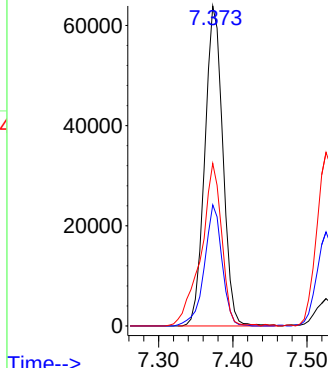
Ion Ratio Lower Upper

94 100

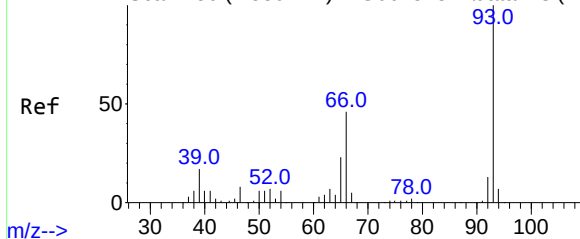
65 37.8 15.8 55.8

66 50.8 24.0 64.0

Abundance



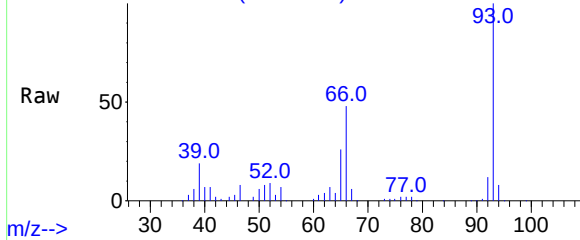
Abundance Scan 756 (7.530 min): BG064573.D\data.ms (-74



#11
bis(2-Chloroethyl)ether
Concen: 41.150 ng
RT: 7.526 min Scan# 711
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Abundance Scan 755 (7.526 min): BG064600.D\data.ms

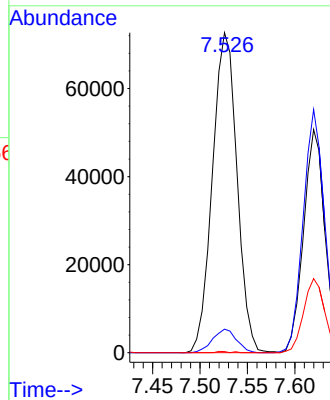
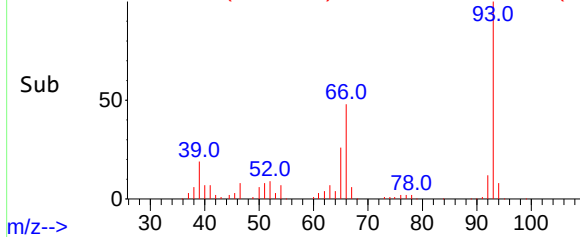


Tgt Ion: 93 Resp: 13116
Ion Ratio Lower Upper
93 100
63 7.3 0.0 27.4
95 0.4 0.0 20.2

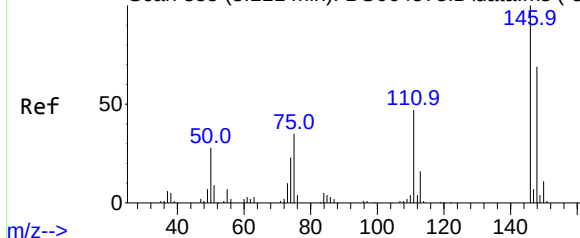
Manual Integrations
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Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

Abundance Scan 755 (7.526 min): BG064600.D\data.ms (-66



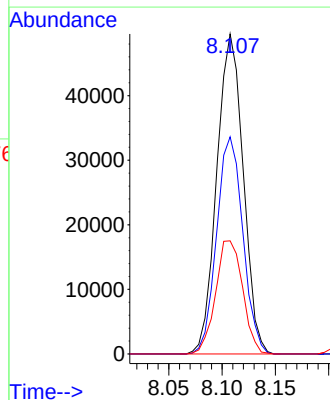
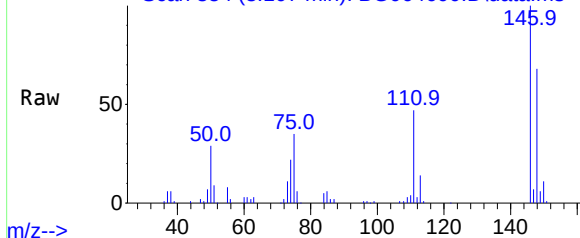
Abundance Scan 855 (8.111 min): BG064573.D\data.ms (-84



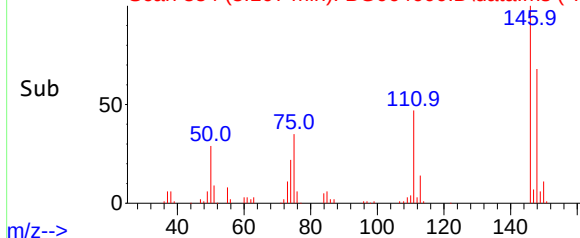
#12
1,3-Dichlorobenzene
Concen: 41.539 ng
RT: 8.107 min Scan# 854
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:146 Resp: 85428
Ion Ratio Lower Upper
146 100
148 67.9 55.3 82.9
75 35.4 28.2 42.2

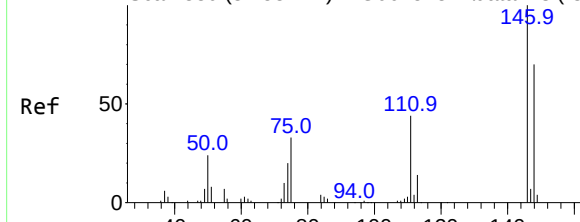
Abundance Scan 854 (8.107 min): BG064600.D\data.ms



Abundance Scan 854 (8.107 min): BG064600.D\data.ms (-76

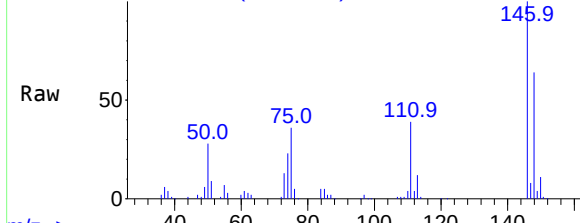


Abundance Scan 880 (8.258 min): BG064573.D\data.ms (-87



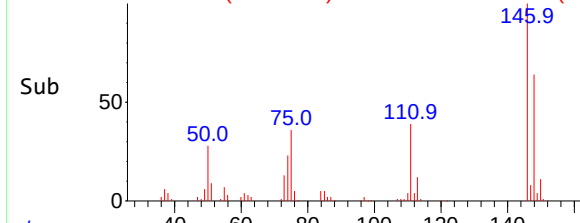
m/z-->

Abundance Scan 879 (8.254 min): BG064600.D\data.ms



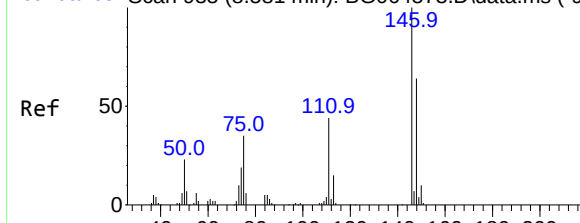
m/z-->

Abundance Scan 879 (8.254 min): BG064600.D\data.ms (-78



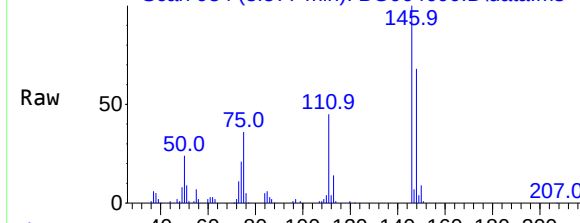
m/z-->

Abundance Scan 935 (8.581 min): BG064573.D\data.ms (-92



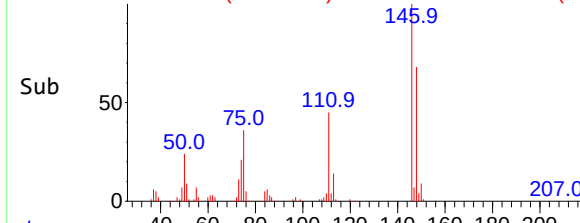
m/z-->

Abundance Scan 934 (8.577 min): BG064600.D\data.ms



m/z-->

Abundance Scan 934 (8.577 min): BG064600.D\data.ms (-84



m/z-->

#13

1,4-Dichlorobenzene

Concen: 41.719 ng

RT: 8.254 min Scan# 81

Delta R.T. -0.001 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion:146 Resp: 87240

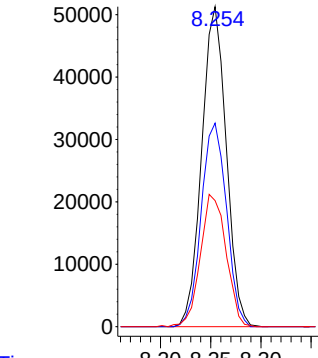
Ion Ratio Lower Upper

146 100

148 63.6 56.2 84.4

111 39.4 35.4 53.0

Abundance



Time-->

#14

1,2-Dichlorobenzene

Concen: 40.967 ng

RT: 8.577 min Scan# 934

Delta R.T. -0.001 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion:146 Resp: 82629

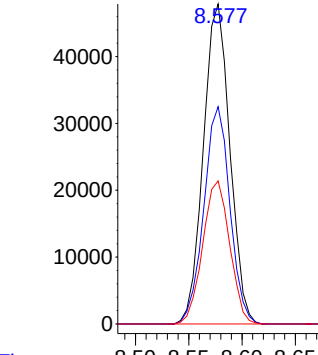
Ion Ratio Lower Upper

146 100

148 67.9 51.5 77.3

111 44.7 35.0 52.6

Abundance



Time-->

Instrument :

BNA_G

ClientSampleId :

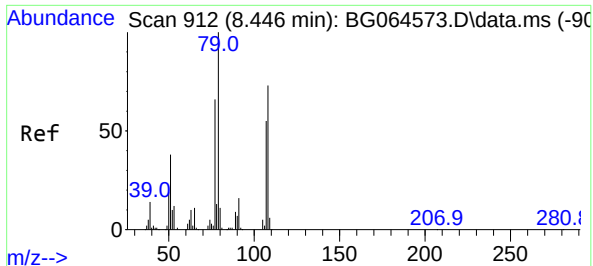
SSTDCCC040

Manual Integrations

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Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#15

Benzyl Alcohol

Concen: 38.894 ng

RT: 8.442 min Scan# 911

Delta R.T. -0.013 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 7513

Ion Ratio Lower Upper

79 100

108 71.8 58.1 87.1

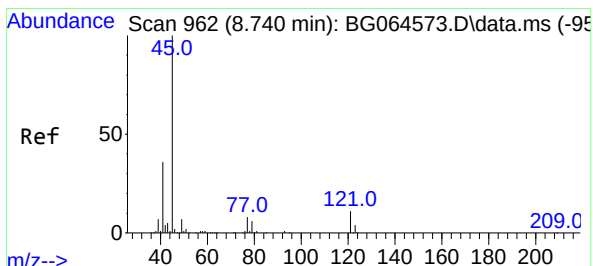
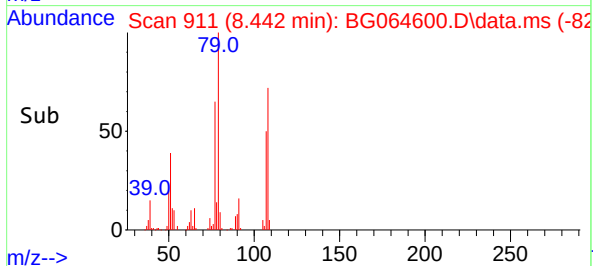
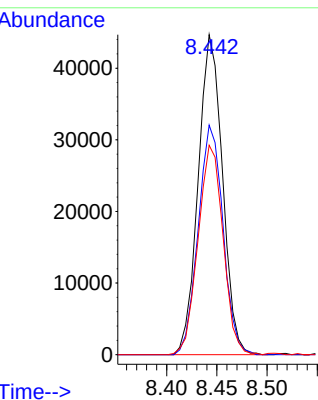
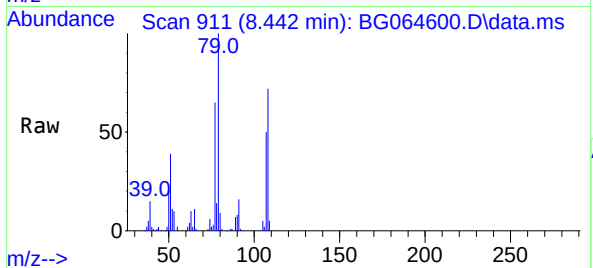
77 65.5 52.8 79.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/29/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.501 ng

RT: 8.736 min Scan# 961

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

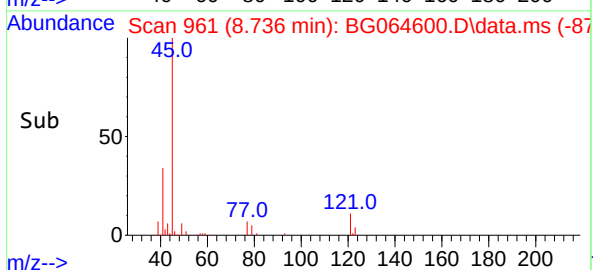
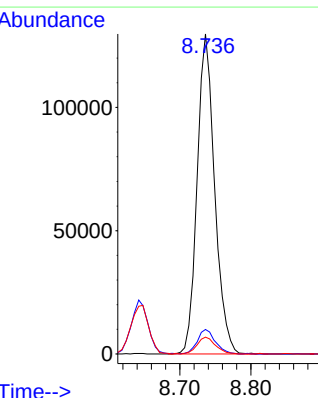
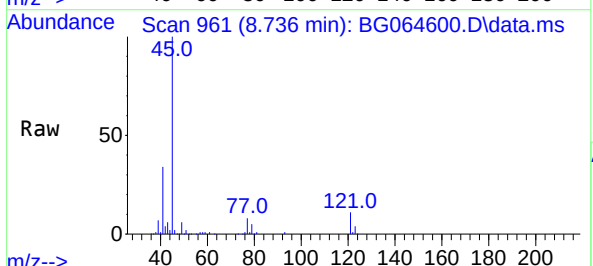
Tgt Ion: 45 Resp: 222337

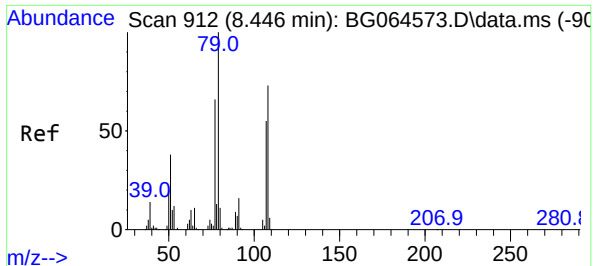
Ion Ratio Lower Upper

45 100

77 7.7 0.0 28.5

79 5.2 0.0 25.6





#17

2-Methylphenol

Concen: 40.386 ng

RT: 8.442 min Scan# 911

Delta R.T. -0.007 min

Lab File: BG064600.D

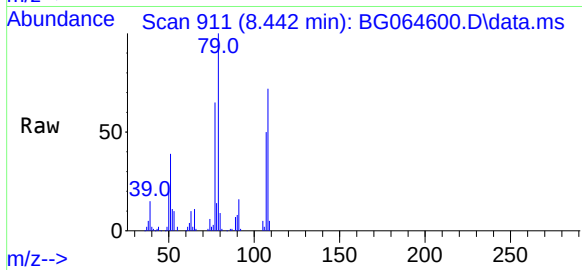
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



Tgt Ion:107 Resp: 38990

Ion Ratio Lower Upper

107 100

108 144.1 106.4 159.6

77 131.5 96.7 145.1

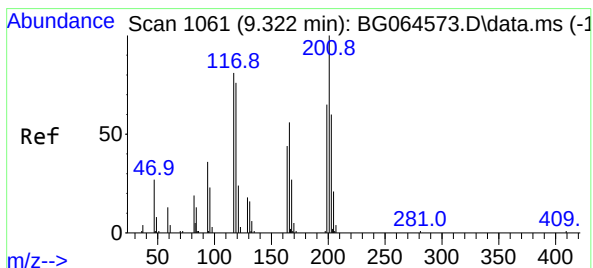
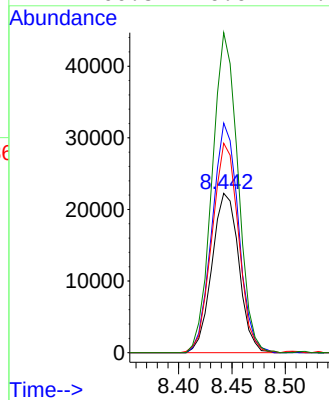
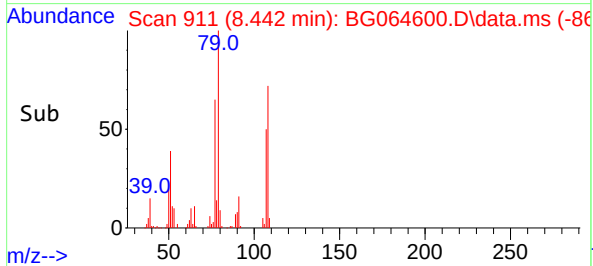
79 200.8 146.6 219.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/29/2025



#18

Hexachloroethane

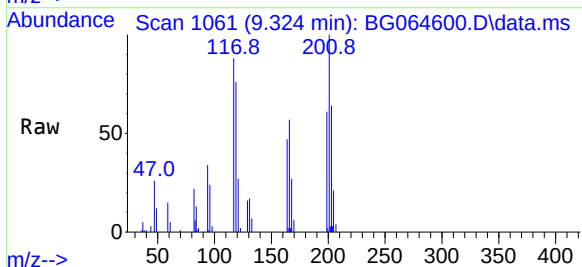
Concen: 43.063 ng

RT: 9.324 min Scan# 1061

Delta R.T. -0.001 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45



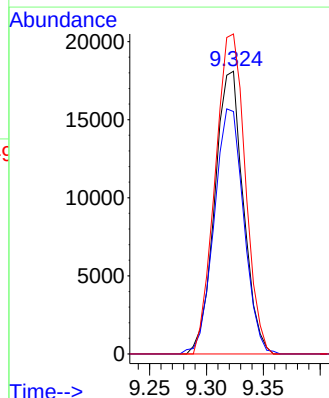
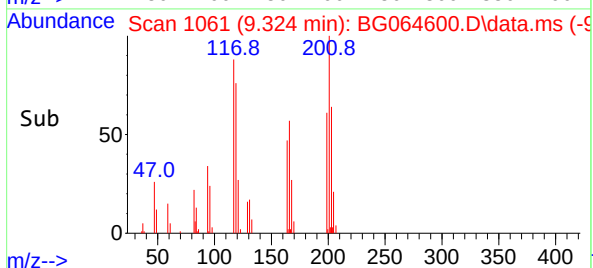
Tgt Ion:117 Resp: 31601

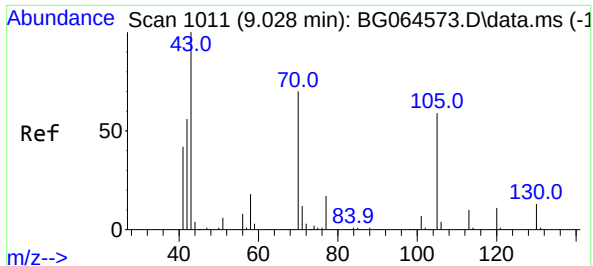
Ion Ratio Lower Upper

117 100

119 85.8 75.4 113.2

201 113.2 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 42.830 ng

RT: 9.018 min Scan# 1009

Delta R.T. -0.013 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 69339

Ion Ratio Lower Upper

70 100

42 82.1 65.2 97.8

101 8.5 7.9 11.9

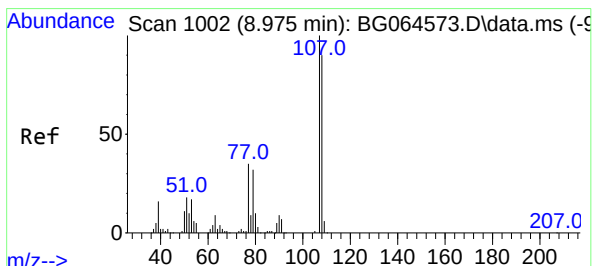
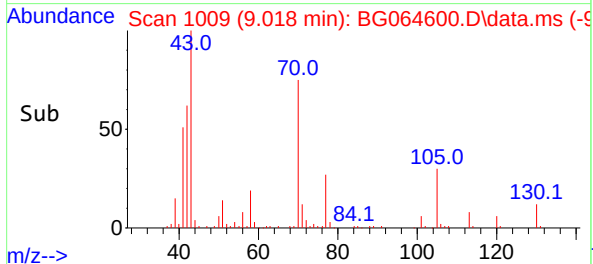
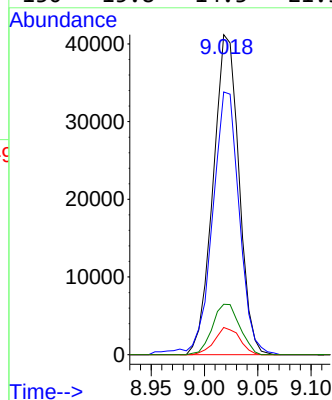
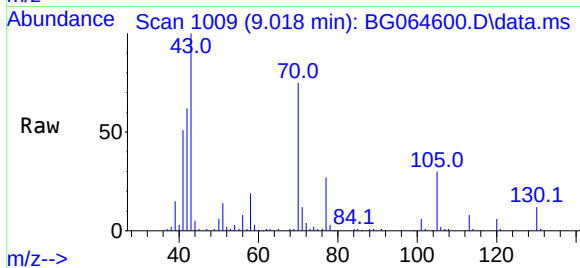
130 15.8 14.3 21.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/29/2025



#20

3+4-Methylphenols

Concen: 39.590 ng

RT: 8.971 min Scan# 1001

Delta R.T. -0.013 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion:107 Resp: 95766

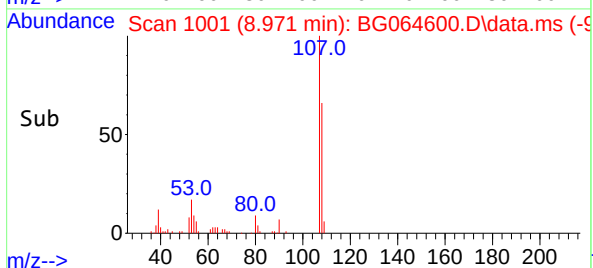
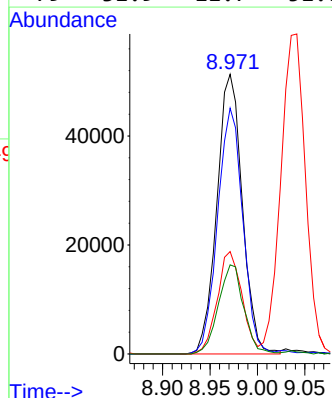
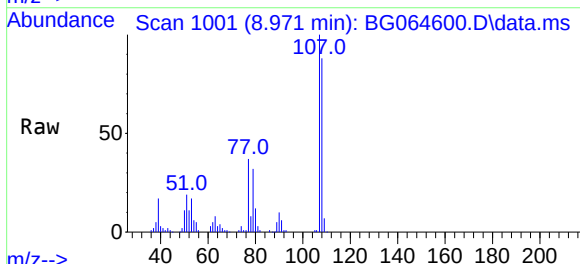
Ion Ratio Lower Upper

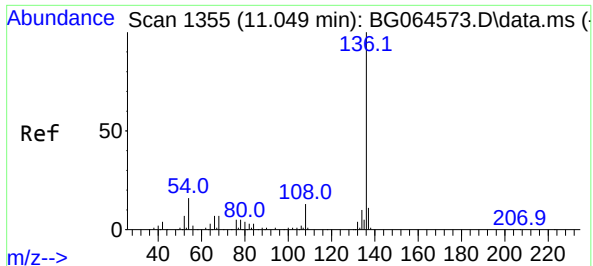
107 100

108 87.9 70.3 110.3

77 36.6 14.6 54.6

79 31.9 11.7 51.7





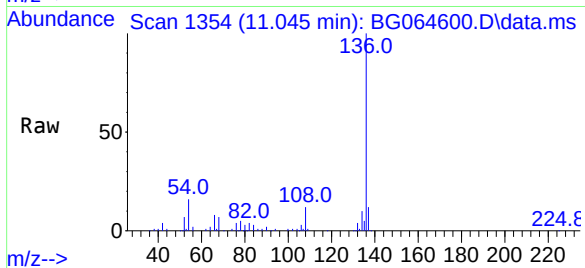
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



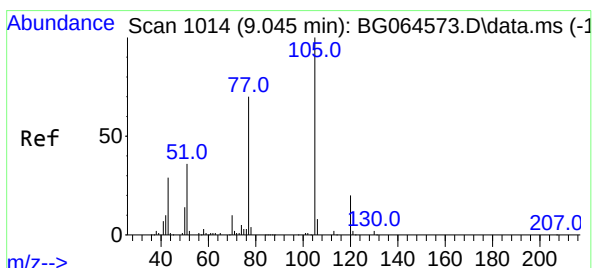
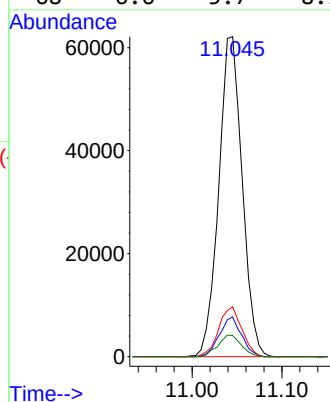
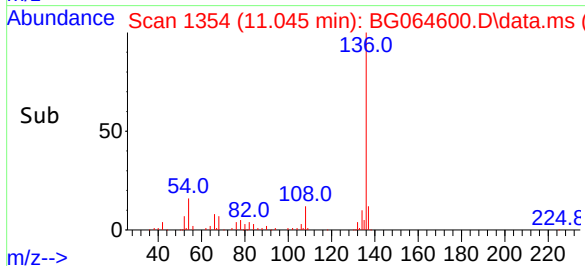
Tgt Ion:136 Resp: 112694
Ion Ratio Lower Upper
136 100
137 12.4 9.2 13.8
54 15.6 12.6 19.0
68 6.6 5.7 8.5

Manual Integrations

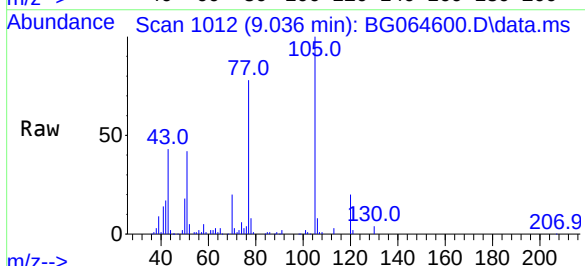
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Reviewed By :Rahul Chavli 10/29/2025

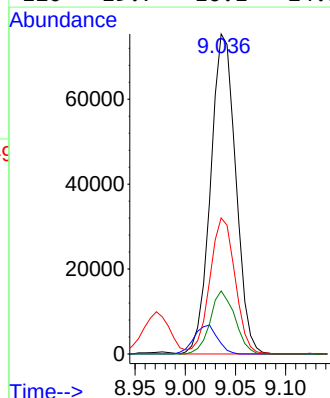
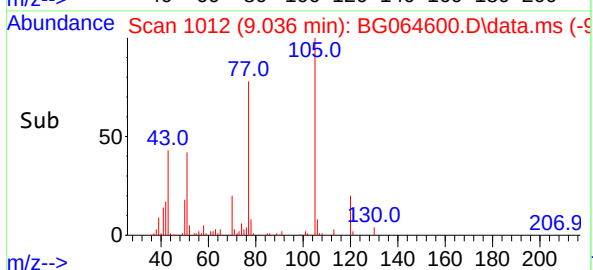
Supervised By :Jagrut Upadhyay 10/29/2025

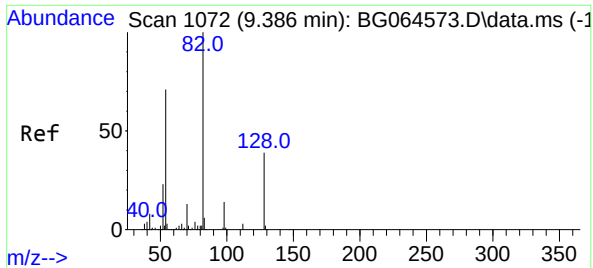


#22
Acetophenone
Concen: 42.627 ng
RT: 9.036 min Scan# 1012
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



Tgt Ion:105 Resp: 131316
Ion Ratio Lower Upper
105 100
71 3.3 1.5 2.3#
51 42.5 33.7 50.5
120 19.7 16.1 24.1





#23

Nitrobenzene-d5

Concen: 86.691 ng

RT: 9.382 min Scan# 1072

Delta R.T. -0.008 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 162650

Ion Ratio Lower Upper

82 100

128 37.6 31.3 46.9

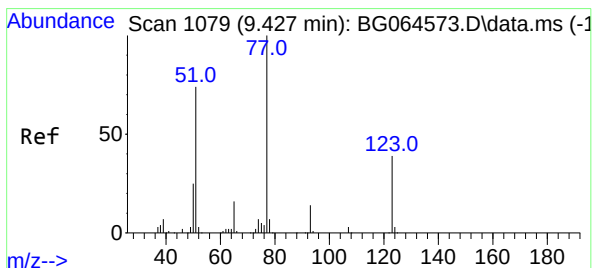
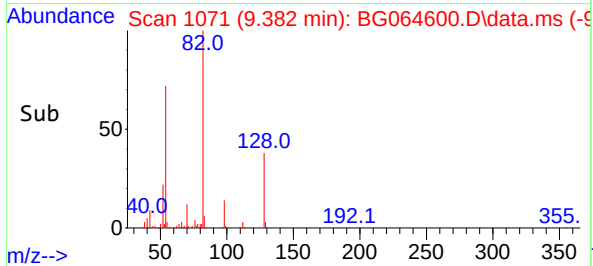
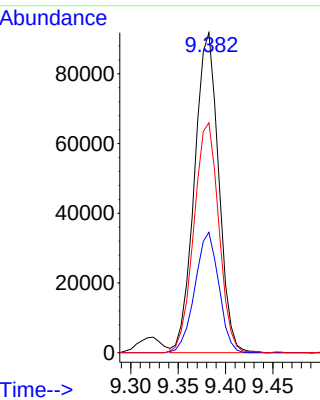
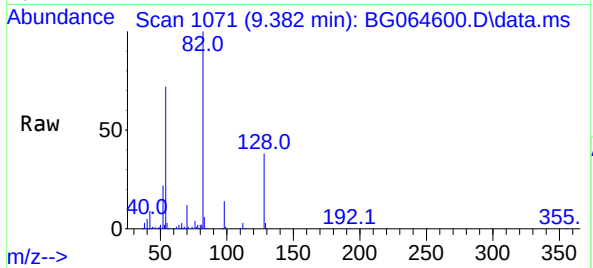
54 71.8 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#24

Nitrobenzene

Concen: 43.241 ng

RT: 9.424 min Scan# 1078

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

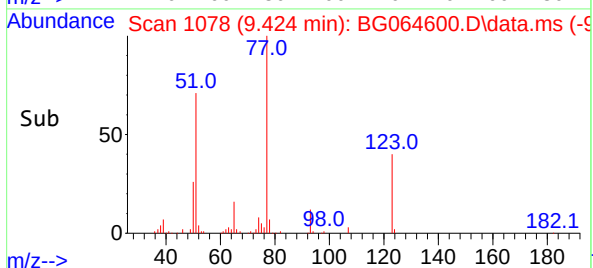
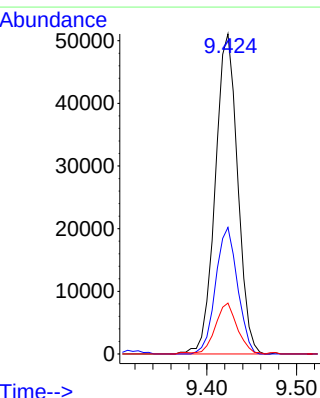
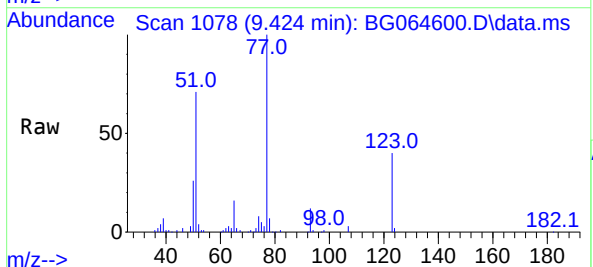
Tgt Ion: 77 Resp: 88243

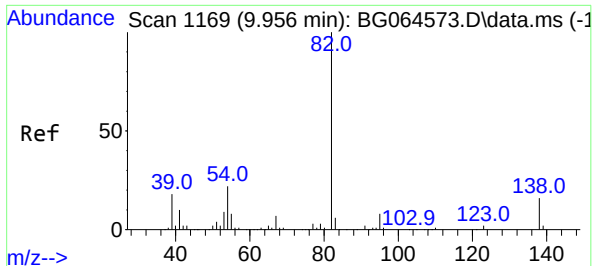
Ion Ratio Lower Upper

77 100

123 39.5 31.0 46.6

65 15.9 12.7 19.1





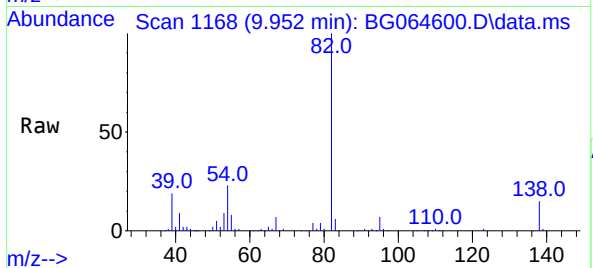
#25
Isophorone
Concen: 43.526 ng
RT: 9.952 min Scan# 1169
Delta R.T. -0.014 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

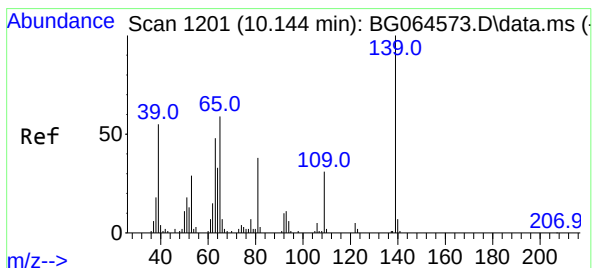
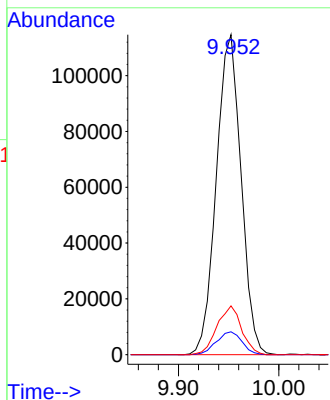
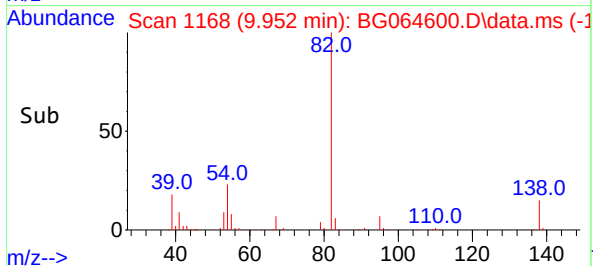


Tgt Ion: 82 Resp: 19596
Ion Ratio Lower Upper
82 100
95 7.2 6.1 9.1
138 15.2 13.0 19.4

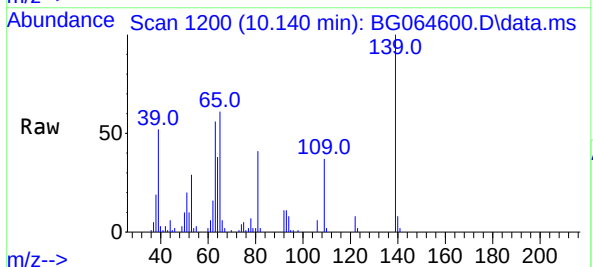
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/29/2025

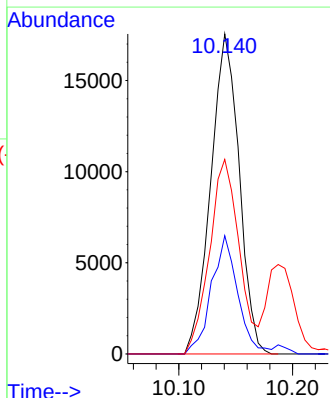
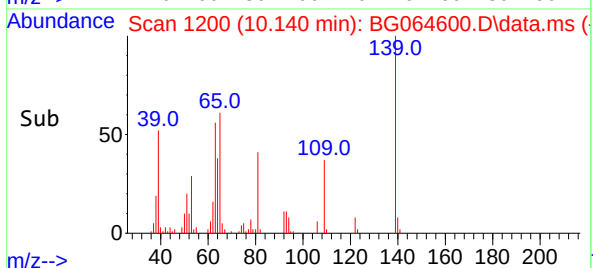
Supervised By :Jagrut Upadhyay 10/29/2025

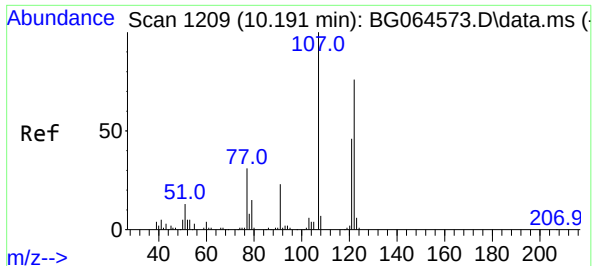


#26
2-Nitrophenol
Concen: 39.240 ng
RT: 10.140 min Scan# 1200
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



Tgt Ion:139 Resp: 30416
Ion Ratio Lower Upper
139 100
109 37.0 24.6 37.0
65 60.8 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 42.606 ng

RT: 10.187 min Scan# 1208

Delta R.T. -0.007 min

Lab File: BG064600.D

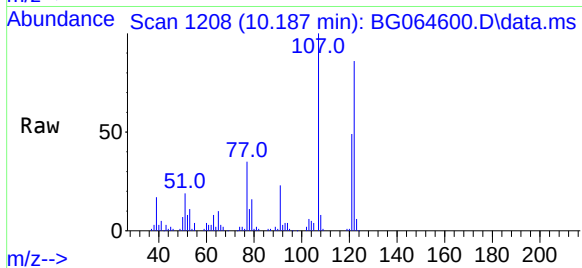
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 72780

Ion Ratio Lower Upper

122 100

107 116.7 103.0 154.4

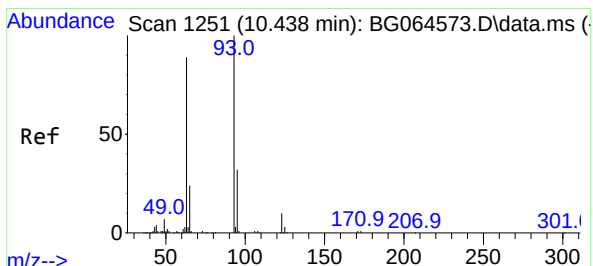
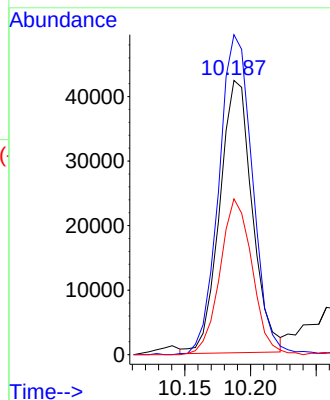
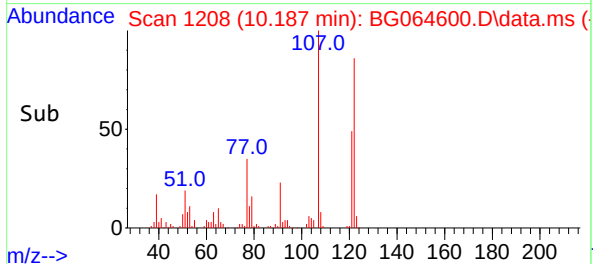
121 56.8 47.8 71.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#28

bis(2-Chloroethoxy)methane

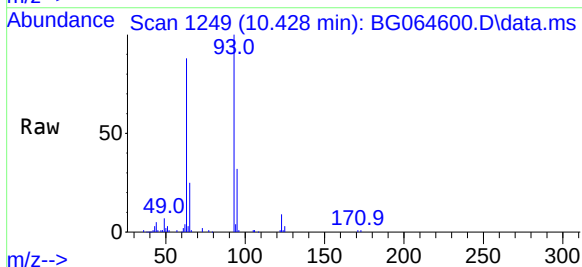
Concen: 42.920 ng

RT: 10.428 min Scan# 1249

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45



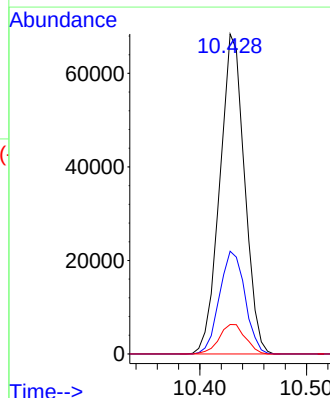
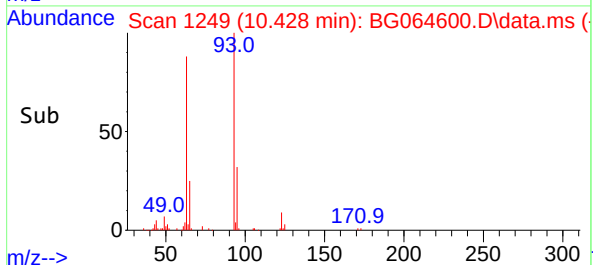
Tgt Ion: 93 Resp: 110021

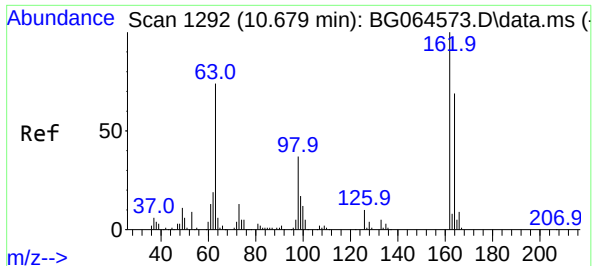
Ion Ratio Lower Upper

93 100

95 32.1 25.4 38.2

123 9.2 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 42.166 ng

RT: 10.675 min Scan# 1292

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

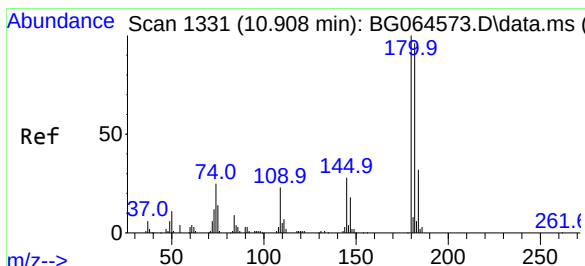
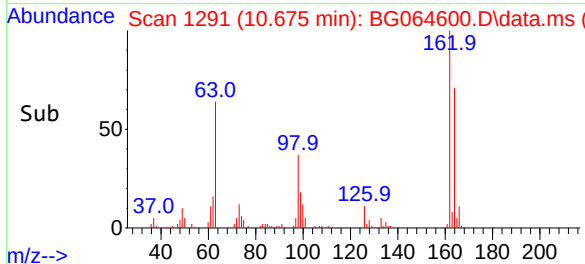
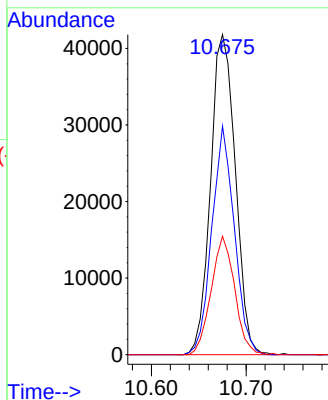
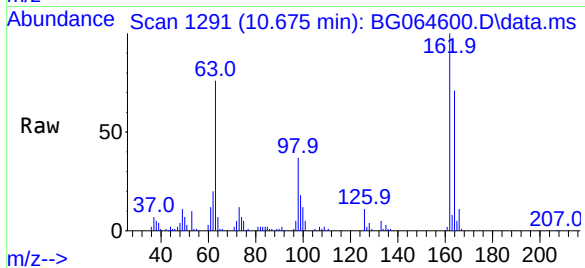
Tgt Ion:	162	Resp:	75990
Ion Ratio	Lower	Upper	
162	100		
164	71.4	48.7	88.7
98	37.1	16.9	56.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#30

1,2,4-Trichlorobenzene

Concen: 42.989 ng

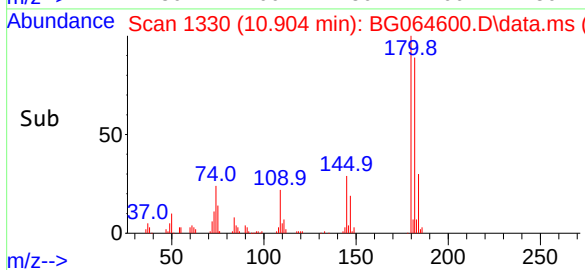
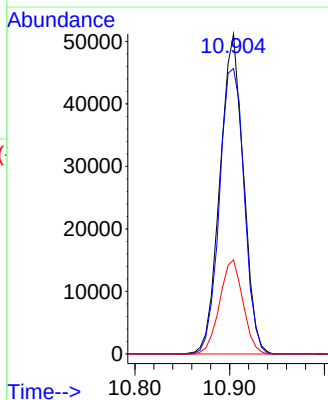
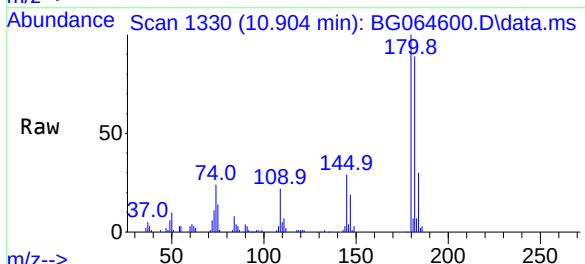
RT: 10.904 min Scan# 1330

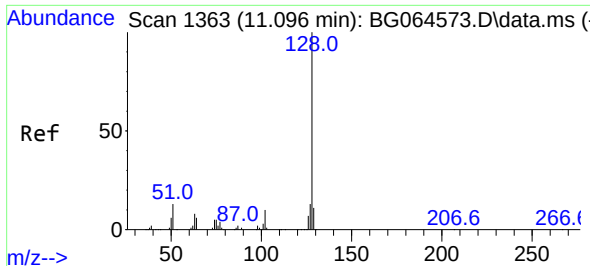
Delta R.T. -0.002 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion:	180	Resp:	88031
Ion Ratio	Lower	Upper	
180	100		
182	89.2	76.9	115.3
145	29.4	22.1	33.1





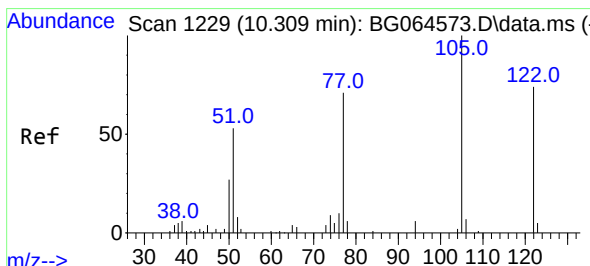
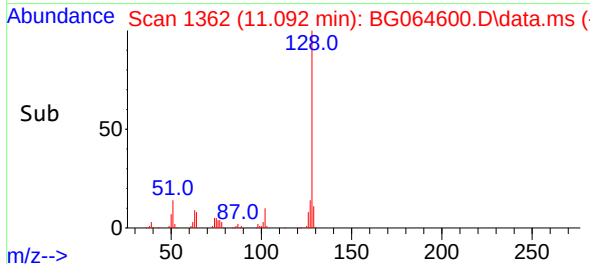
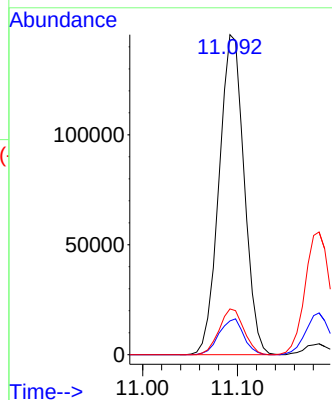
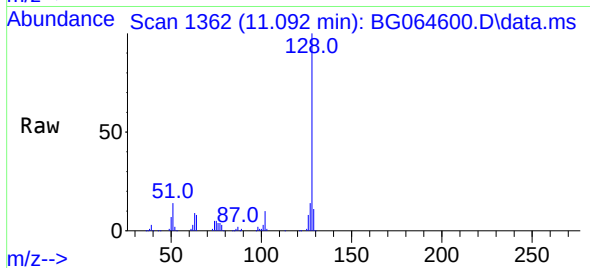
#31
Naphthalene
Concen: 42.747 ng
RT: 11.092 min Scan# 1109
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 267088
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 14.3 10.6 15.8

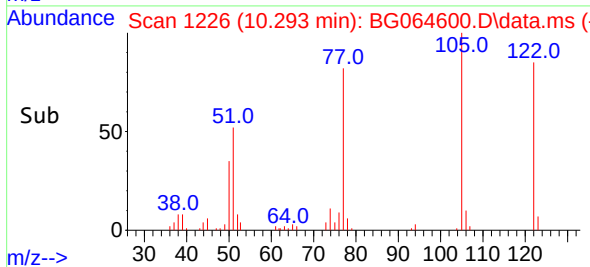
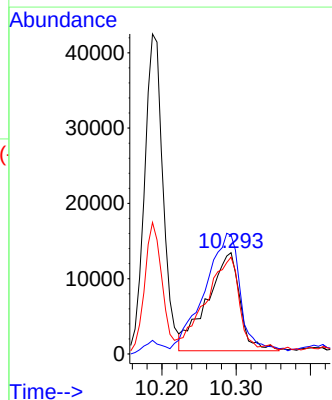
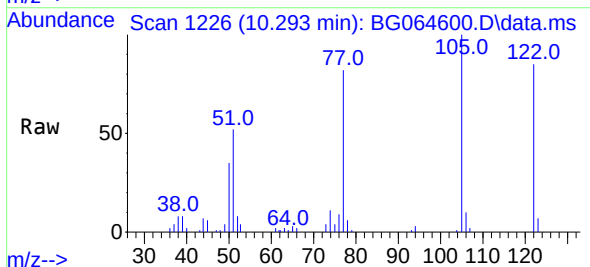
Manual Integrations
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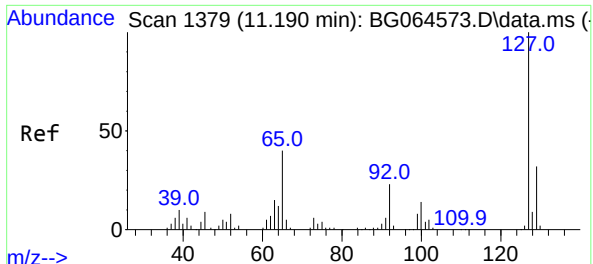
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#32
Benzoic acid
Concen: 34.725 ng m
RT: 10.293 min Scan# 1226
Delta R.T. -0.049 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:122 Resp: 40002
Ion Ratio Lower Upper
122 100
105 117.2 104.2 144.2
77 95.5 70.2 110.2





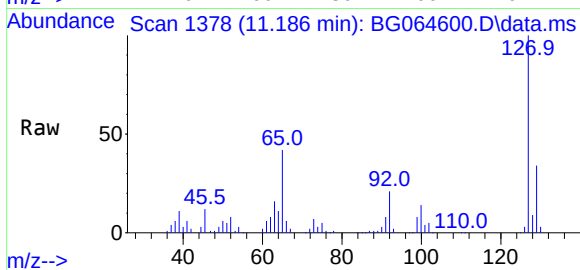
#33
4-Chloroaniline
Concen: 42.020 ng
RT: 11.186 min Scan# 111
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



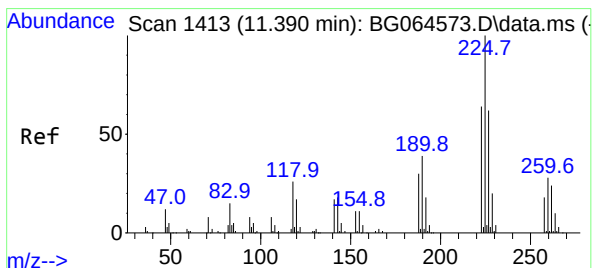
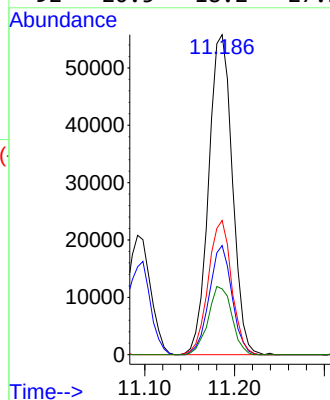
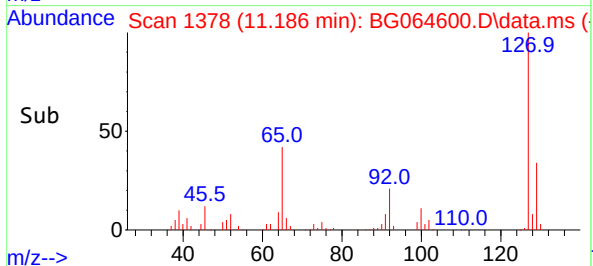
Tgt Ion:127 Resp: 10204
Ion Ratio Lower Upper
127 100
129 34.1 25.5 38.3
65 42.0 32.2 48.4
92 20.5 18.2 27.2

Manual Integrations

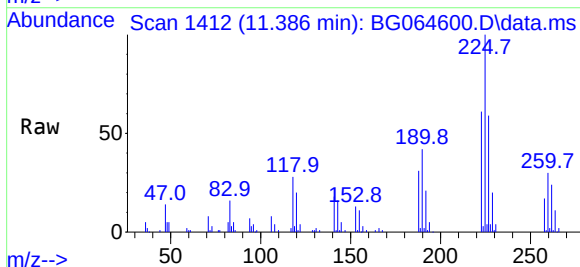
APPROVED

Reviewed By :Rahul Chavli 10/29/2025

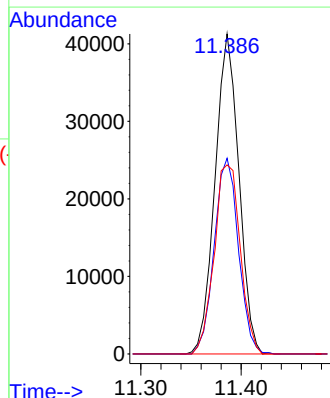
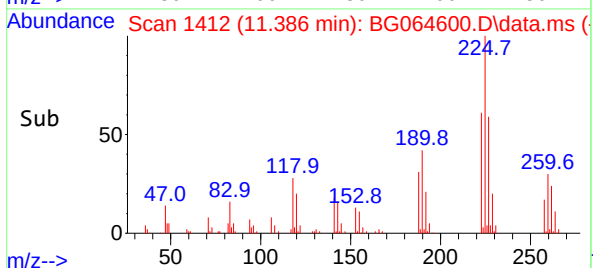
Supervised By :Jagrut Upadhyay 10/29/2025

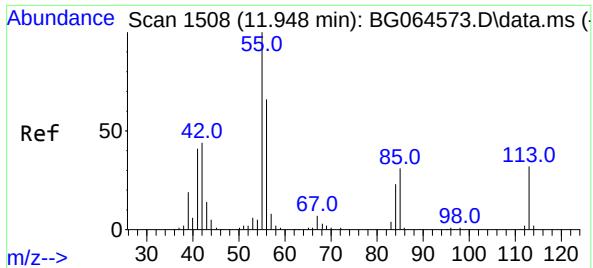


#34
Hexachlorobutadiene
Concen: 42.430 ng
RT: 11.386 min Scan# 1412
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



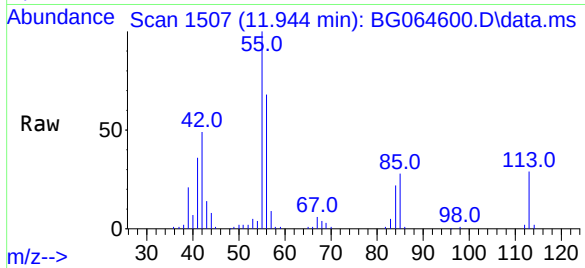
Tgt Ion:225 Resp: 67950
Ion Ratio Lower Upper
225 100
223 64.2 48.8 73.2
227 62.6 49.5 74.3





#35
Caprolactam
Concen: 39.664 ng
RT: 11.944 min Scan# 11
Delta R.T. -0.031 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

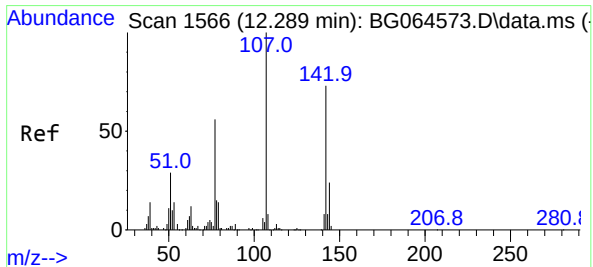
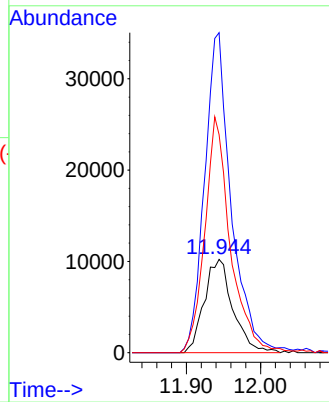
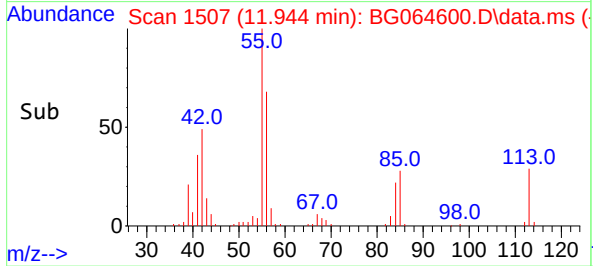
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040



Tgt Ion:113 Resp: 27418
Ion Ratio Lower Upper
113 100
55 342.8 290.1 330.1
56 233.7 183.8 223.8

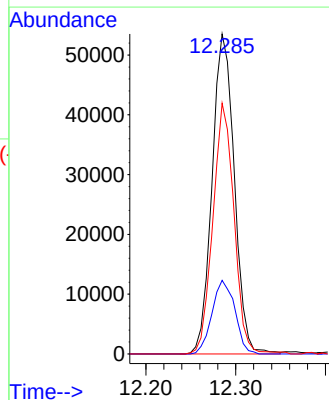
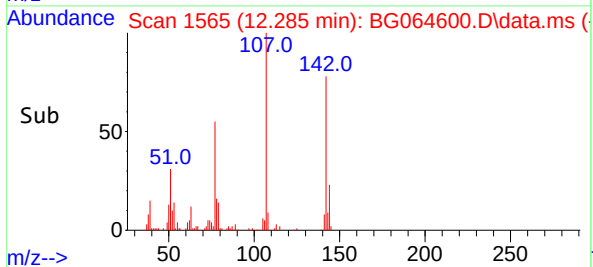
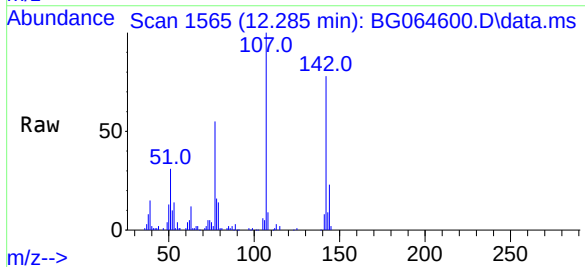
Manual Integrations
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Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

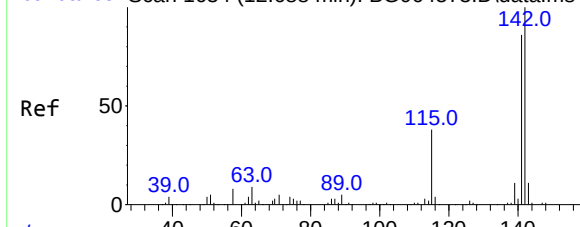


#36
4-Chloro-3-methylphenol
Concen: 42.414 ng
RT: 12.285 min Scan# 1565
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

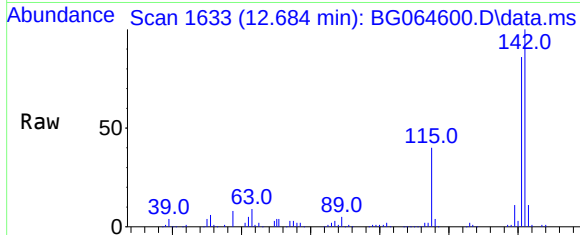
Tgt Ion:107 Resp: 91886
Ion Ratio Lower Upper
107 100
144 23.0 19.1 28.7
142 78.3 58.6 87.8



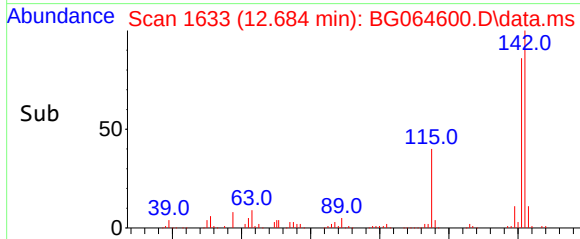
Abundance Scan 1634 (12.688 min): BG064573.D\data.ms (



m/z--> Abundance Scan 1633 (12.684 min): BG064600.D\data.ms



m/z--> Abundance Scan 1633 (12.684 min): BG064600.D\data.ms (



m/z-->

#37

2-Methylnaphthalene

Concen: 42.698 ng

RT: 12.684 min Scan# 1634

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:142 Resp: 195870

Ion Ratio Lower Upper

142 100

141 86.0 68.9 103.3

115 39.9 30.6 46.0

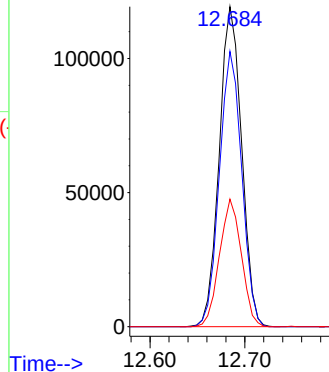
Manual Integrations

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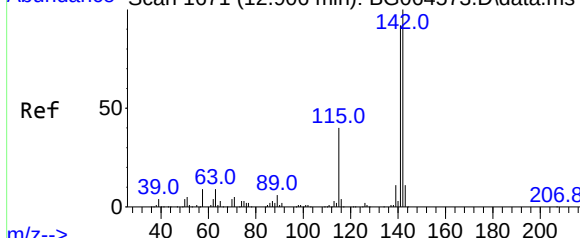
Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025

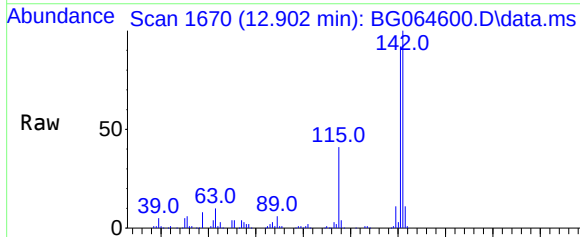
Abundance



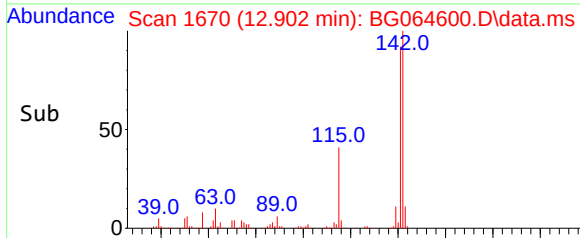
Abundance Scan 1671 (12.906 min): BG064573.D\data.ms (



m/z--> Abundance Scan 1670 (12.902 min): BG064600.D\data.ms



m/z--> Abundance Scan 1670 (12.902 min): BG064600.D\data.ms (



m/z-->

#38

1-Methylnaphthalene

Concen: 42.294 ng

RT: 12.902 min Scan# 1670

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion:142 Resp: 190905

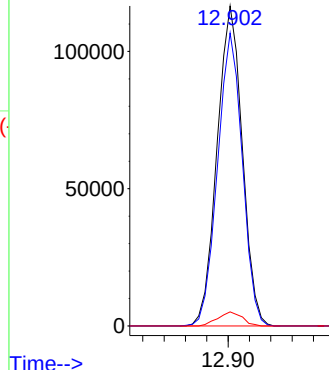
Ion Ratio Lower Upper

142 100

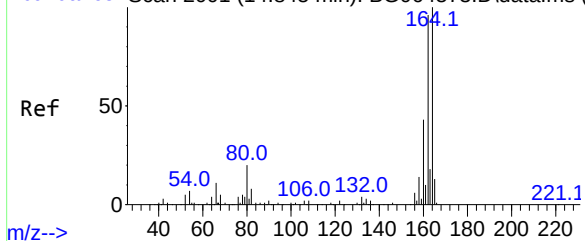
141 91.6 73.3 109.9

116 4.4 3.1 4.7

Abundance



Abundance Scan 2001 (14.845 min): BG064573.D\data.ms (



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.841 min Scan# 2001

Delta R.T. -0.001 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:164 Resp: 87440

Ion Ratio Lower Upper

164 100

162 97.5 77.0 115.6

160 44.9 34.4 51.6

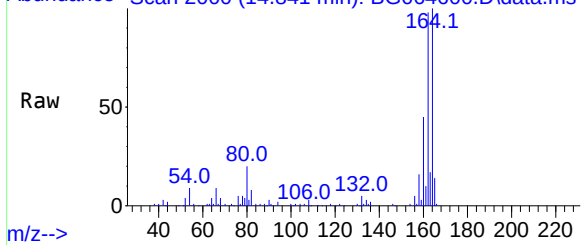
Manual Integrations

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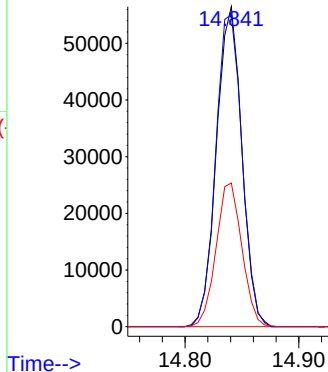
Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025

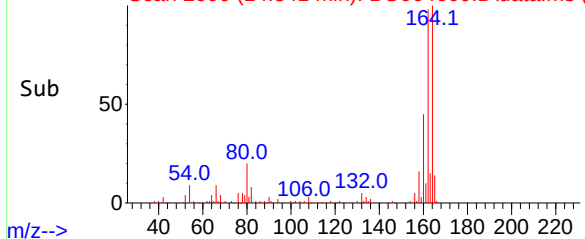
Abundance Scan 2000 (14.841 min): BG064600.D\data.ms



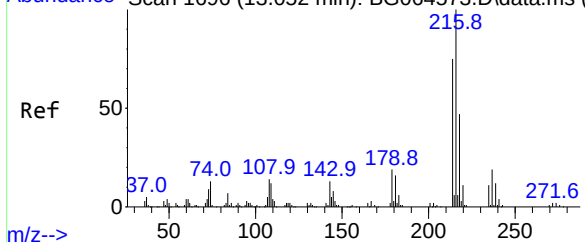
Abundance



Abundance Scan 2000 (14.841 min): BG064600.D\data.ms (



Abundance Scan 1696 (13.052 min): BG064573.D\data.ms (



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.409 ng

RT: 13.049 min Scan# 1695

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion:216 Resp: 124461

Ion Ratio Lower Upper

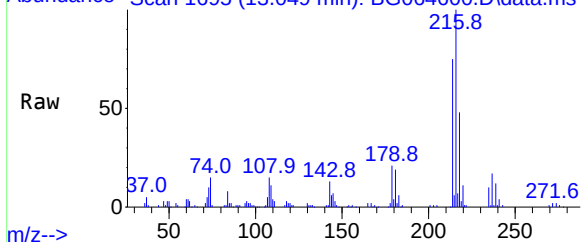
216 100

214 76.3 61.4 92.2

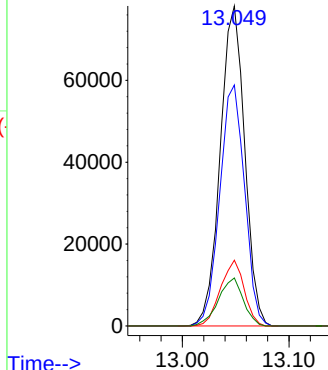
179 19.9 15.4 23.0

108 15.2 11.8 17.6

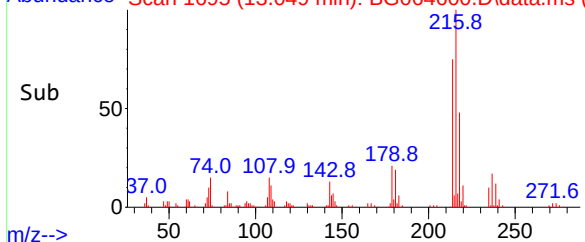
Abundance Scan 1695 (13.049 min): BG064600.D\data.ms

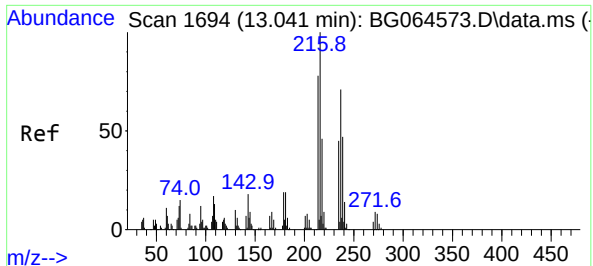


Abundance



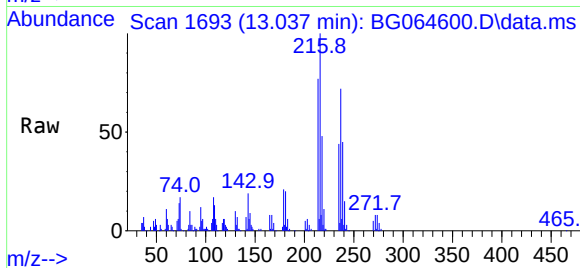
Abundance Scan 1695 (13.049 min): BG064600.D\data.ms (





#41
Hexachlorocyclopentadiene
Concen: 43.286 ng
RT: 13.037 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

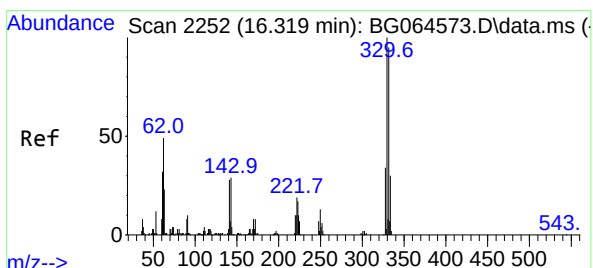
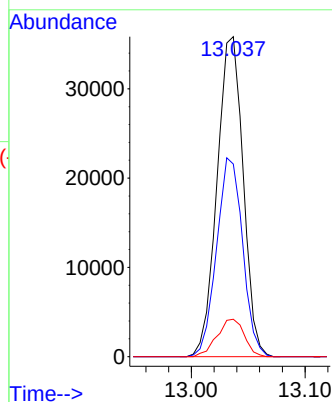
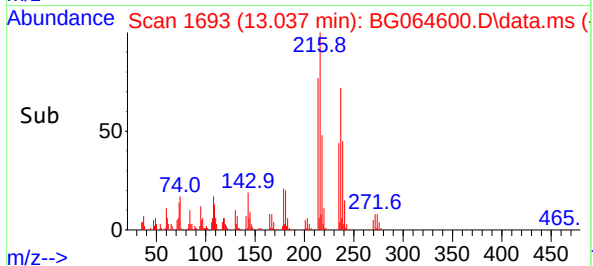
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040



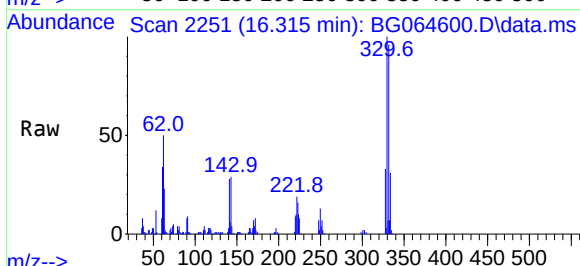
Tgt Ion:237 Resp: 57178
Ion Ratio Lower Upper
237 100
235 60.2 44.1 84.1
272 11.7 0.0 32.4

Manual Integrations
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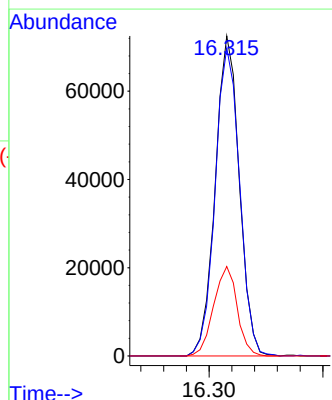
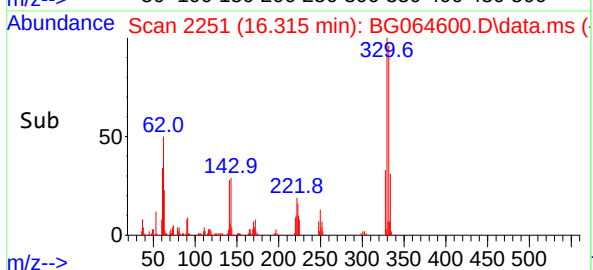
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



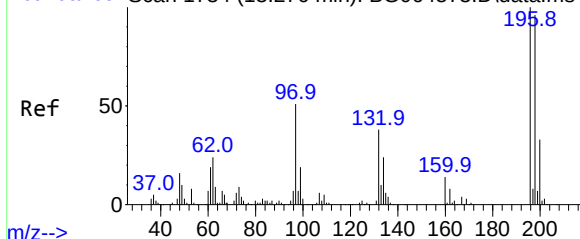
#42
2,4,6-Tribromophenol
Concen: 84.394 ng
RT: 16.315 min Scan# 2251
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



Tgt Ion:330 Resp: 106515
Ion Ratio Lower Upper
330 100
332 97.8 78.0 117.0
141 27.3 21.8 32.6



Abundance Scan 1734 (13.276 min): BG064573.D\data.ms (



#43

2,4,6-Trichlorophenol

Concen: 42.468 ng

RT: 13.272 min Scan# 1733

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

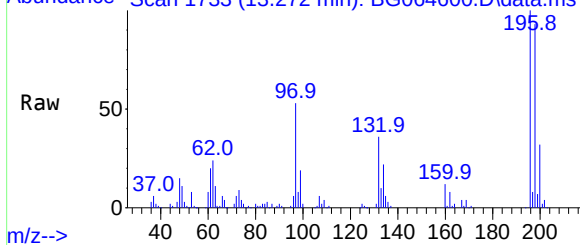
Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

m/z--> Abundance Scan 1733 (13.272 min): BG064600.D\data.ms



Tgt Ion:196 Resp: 7129

Ion Ratio Lower Upper

196 100

198 92.6 76.6 115.0

200 32.5 26.0 39.0

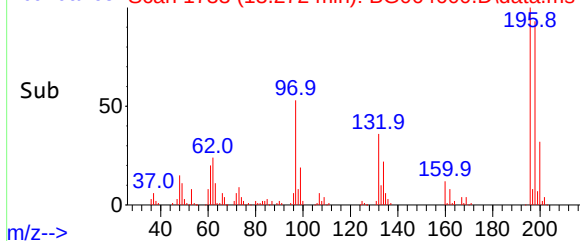
Manual Integrations

APPROVED

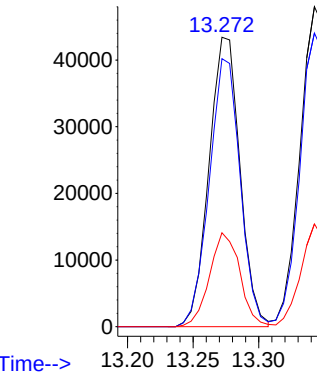
Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025

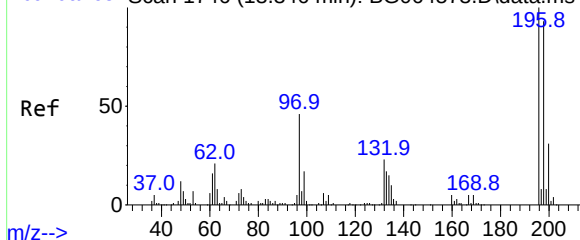
Abundance Scan 1733 (13.272 min): BG064600.D\data.ms (



Abundance



Abundance Scan 1746 (13.346 min): BG064573.D\data.ms (



#44

2,4,5-Trichlorophenol

Concen: 41.754 ng

RT: 13.342 min Scan# 1745

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion:196 Resp: 80887

Ion Ratio Lower Upper

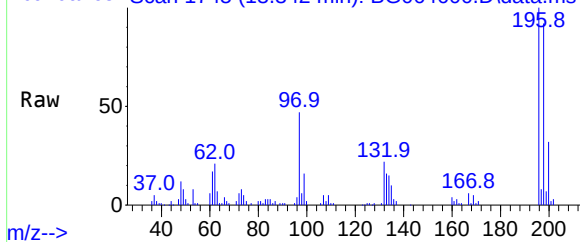
196 100

198 91.7 74.2 111.4

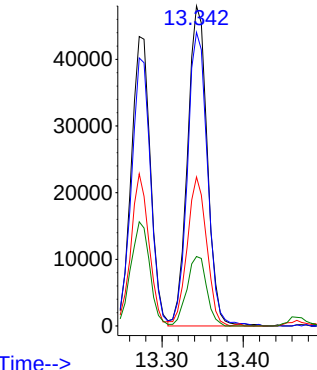
97 46.5 37.0 55.6

132 21.7 18.5 27.7

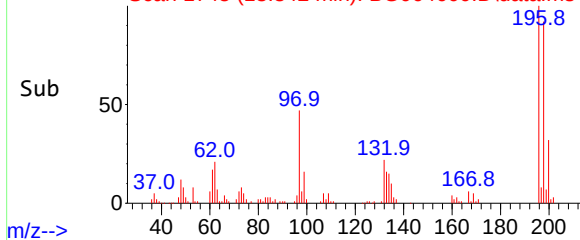
m/z--> Abundance Scan 1745 (13.342 min): BG064600.D\data.ms



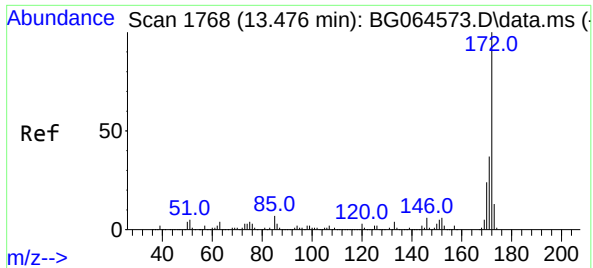
Abundance



Abundance Scan 1745 (13.342 min): BG064600.D\data.ms (



Time-->



#45

2-Fluorobiphenyl

Concen: 83.896 ng

RT: 13.472 min Scan# 1768

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 484009

Ion Ratio Lower Upper

172 100

171 37.1 29.4 44.0

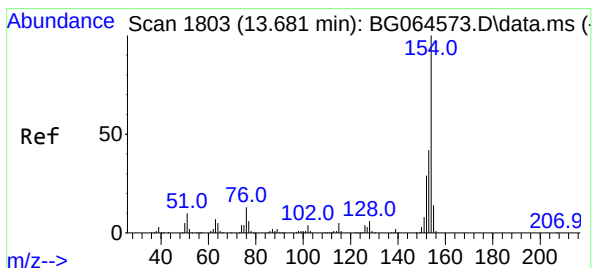
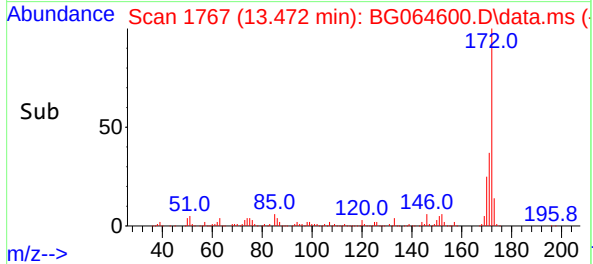
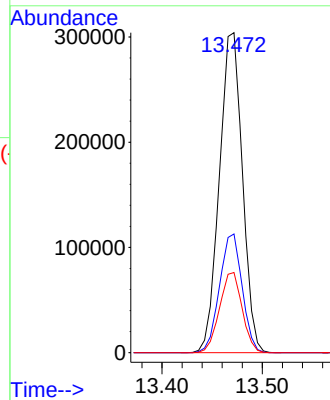
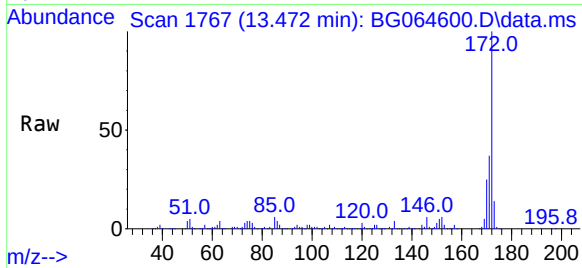
170 25.1 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#46

1,1'-Biphenyl

Concen: 42.521 ng

RT: 13.677 min Scan# 1802

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

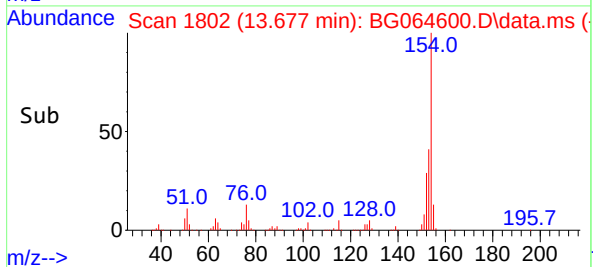
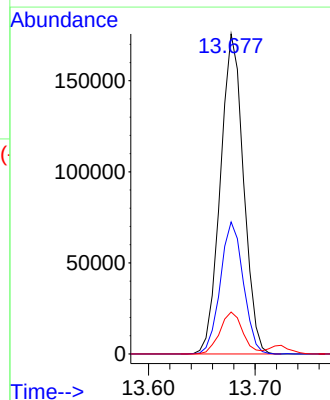
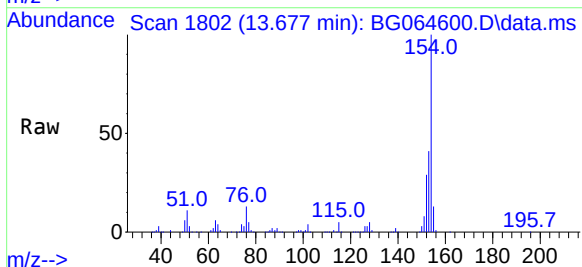
Tgt Ion:154 Resp: 264348

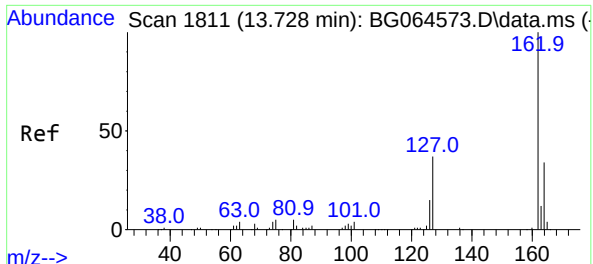
Ion Ratio Lower Upper

154 100

153 41.2 22.4 62.4

76 13.1 0.0 33.5





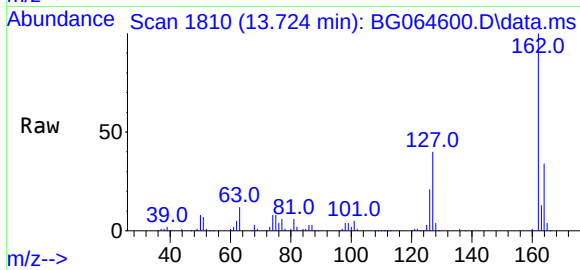
#47
2-Chloronaphthalene
Concen: 42.561 ng
RT: 13.724 min Scan# 1811
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



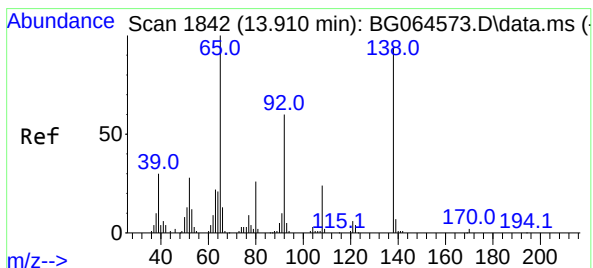
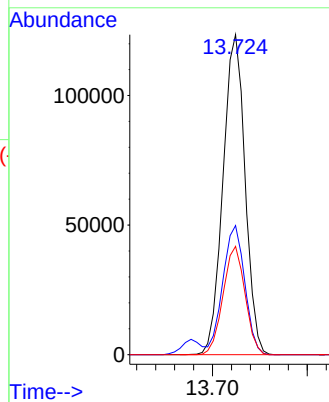
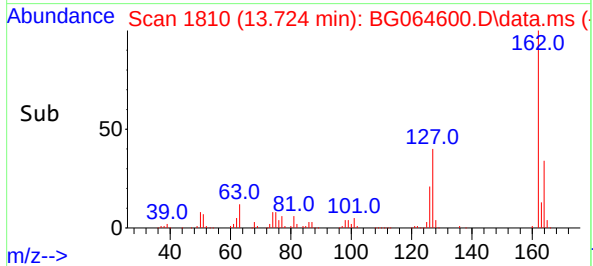
Tgt Ion:162 Resp: 19972
Ion Ratio Lower Upper
162 100
127 40.3 32.2 48.2
164 33.8 27.5 41.3

Manual Integrations

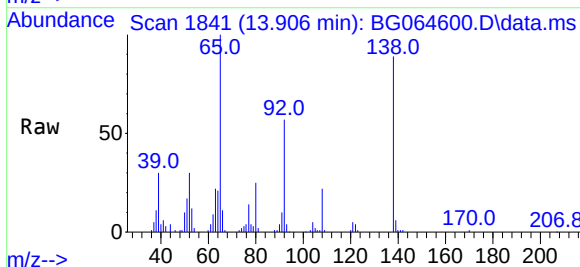
APPROVED

Reviewed By :Rahul Chavli 10/29/2025

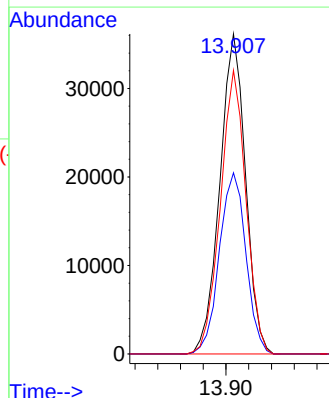
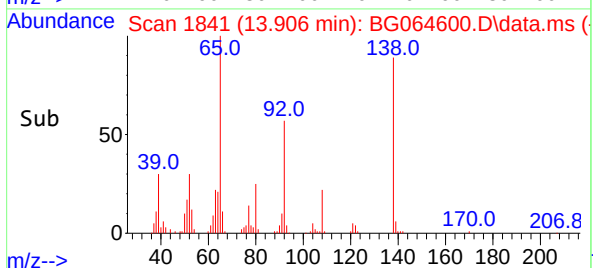
Supervised By :Jagrut Upadhyay 10/29/2025

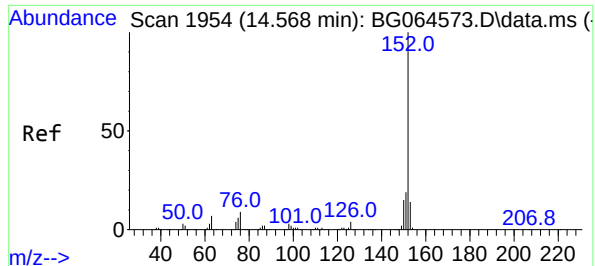


#48
2-Nitroaniline
Concen: 36.830 ng
RT: 13.906 min Scan# 1841
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



Tgt Ion: 65 Resp: 56752
Ion Ratio Lower Upper
65 100
92 56.6 48.3 72.5
138 88.6 74.9 112.3





#49

Acenaphthylene

Concen: 42.492 ng

RT: 14.565 min Scan# 1954

Delta R.T. -0.002 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 314519

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.2

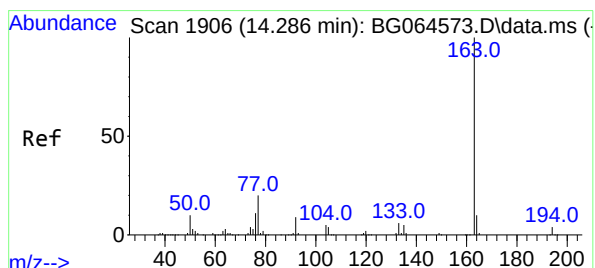
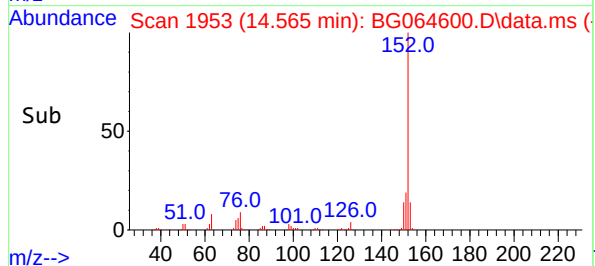
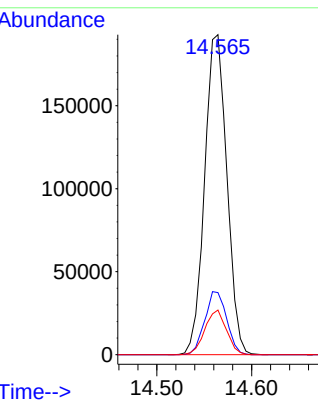
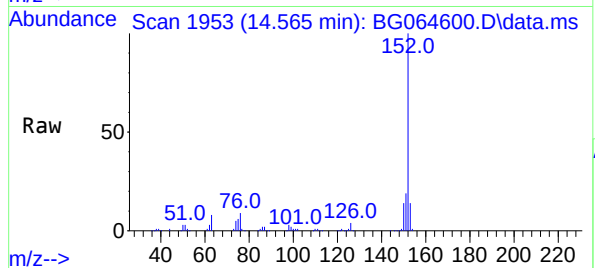
153 13.9 11.0 16.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#50

Dimethylphthalate

Concen: 41.234 ng

RT: 14.283 min Scan# 1905

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

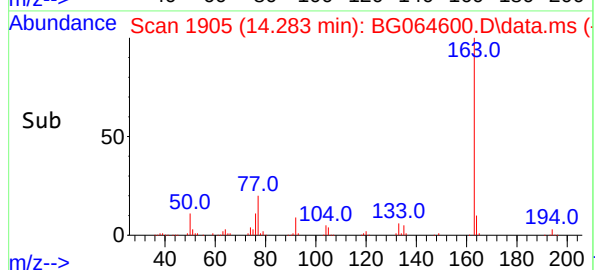
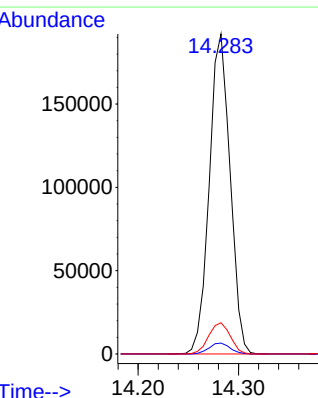
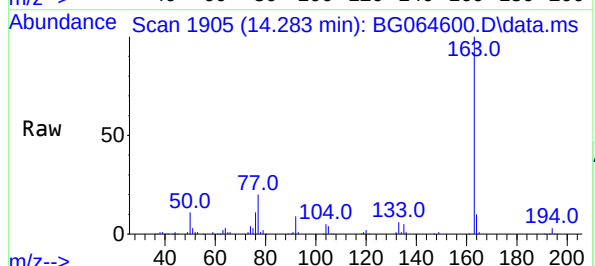
Tgt Ion:163 Resp: 275910

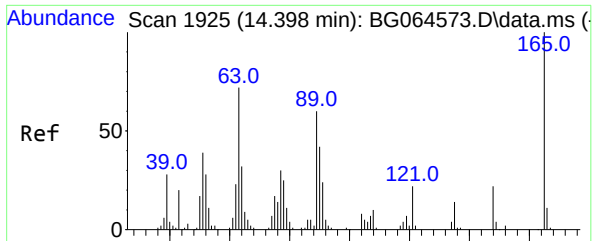
Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

164 9.8 7.7 11.5





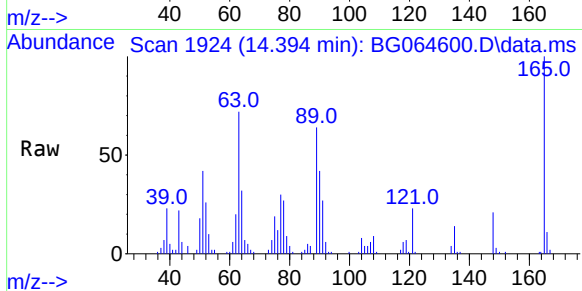
#51
2,6-Dinitrotoluene
Concen: 37.929 ng
RT: 14.394 min Scan# 1925
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



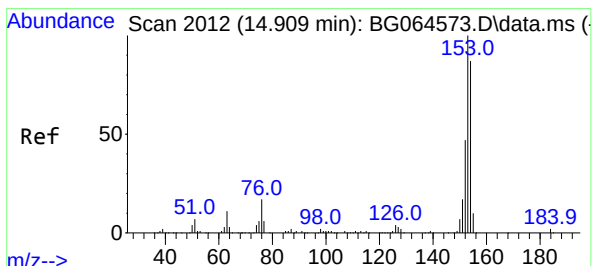
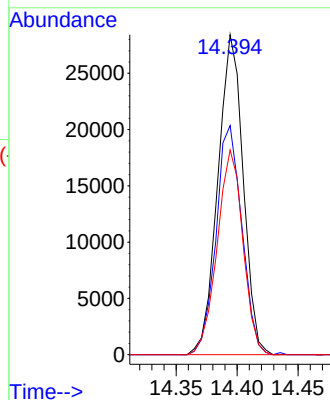
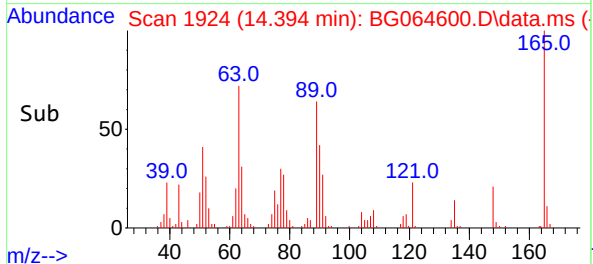
Tgt Ion:165 Resp: 41085
Ion Ratio Lower Upper
165 100
63 71.6 57.4 86.0
89 64.0 47.8 71.8

Manual Integrations

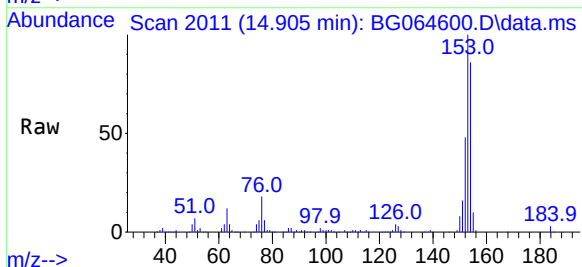
APPROVED

Reviewed By :Rahul Chavli 10/29/2025

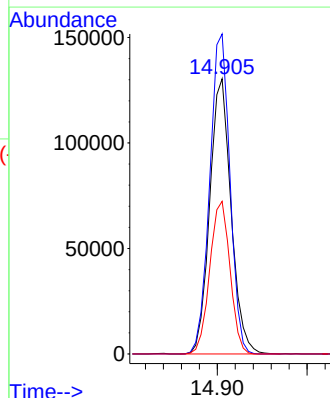
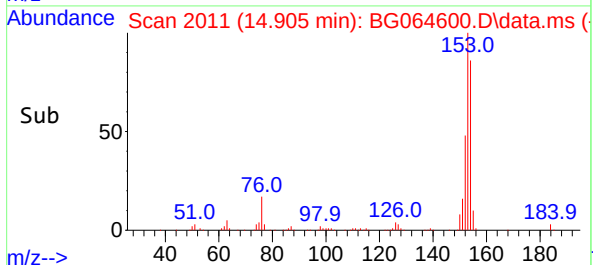
Supervised By :Jagrut Upadhyay 10/29/2025

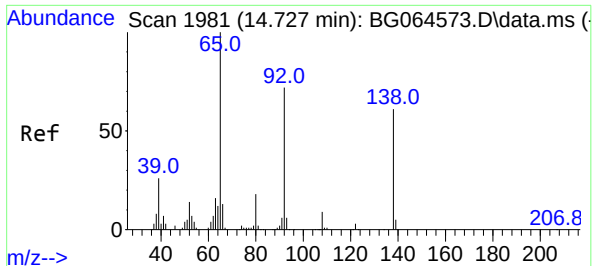


#52
Acenaphthene
Concen: 42.558 ng
RT: 14.905 min Scan# 2011
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



Tgt Ion:154 Resp: 215218
Ion Ratio Lower Upper
154 100
153 116.3 92.2 138.4
152 55.5 43.2 64.8





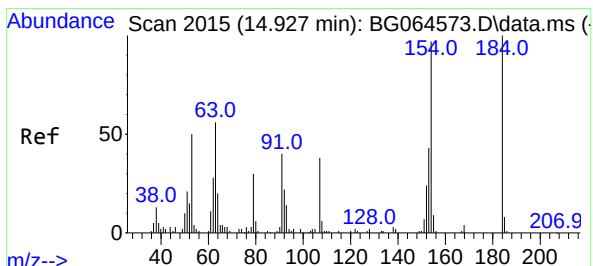
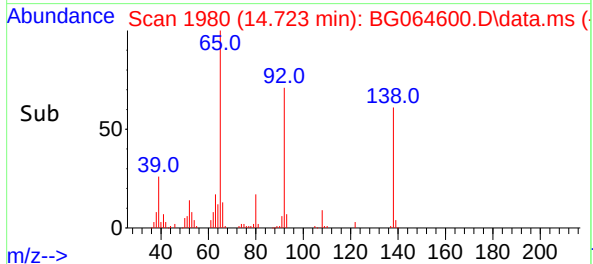
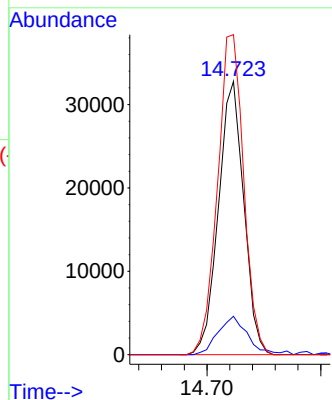
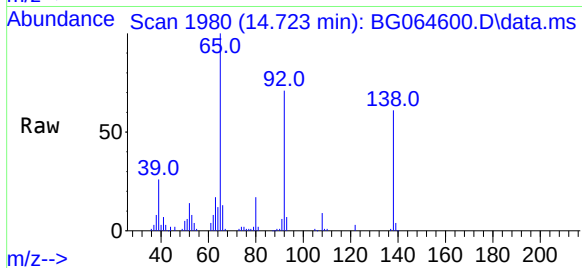
#53
3-Nitroaniline
Concen: 44.086 ng
RT: 14.723 min Scan# 1981
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 50690
Ion Ratio Lower Upper
138 100
108 14.1 11.4 17.0
92 117.1 95.3 142.9

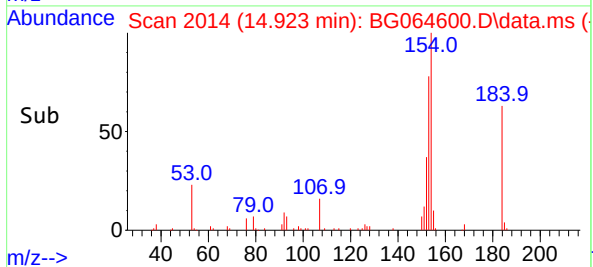
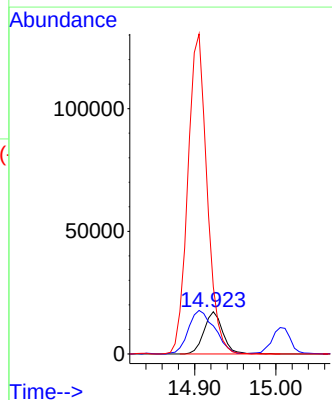
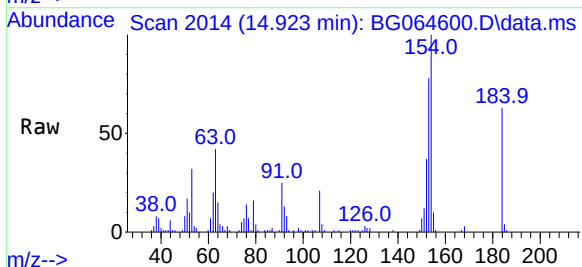
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

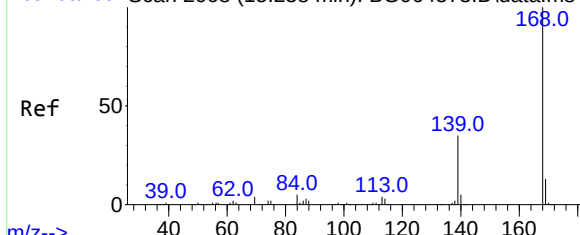


#54
2,4-Dinitrophenol
Concen: 43.496 ng
RT: 14.923 min Scan# 2014
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:184 Resp: 27617
Ion Ratio Lower Upper
184 100
63 66.5 56.6 85.0
154 158.6 158.6 238.0



Abundance Scan 2068 (15.238 min): BG064573.D\data.ms (



#55

Dibenzenofuran

Concen: 42.088 ng

RT: 15.234 min Scan# 2068

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 34409

Ion Ratio Lower Upper

168 100

139 37.6 27.8 41.8

169 13.8 10.3 15.5

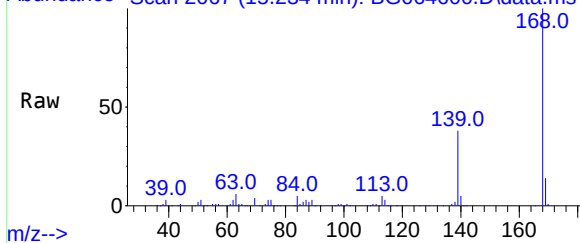
Manual Integrations

APPROVED

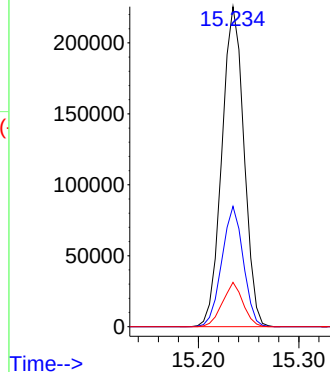
Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025

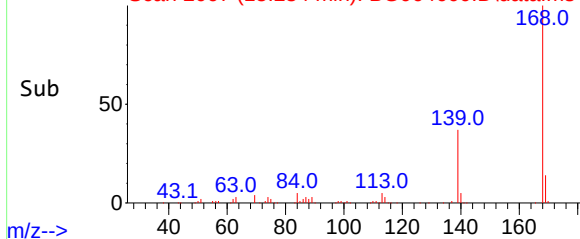
Abundance Scan 2067 (15.234 min): BG064600.D\data.ms



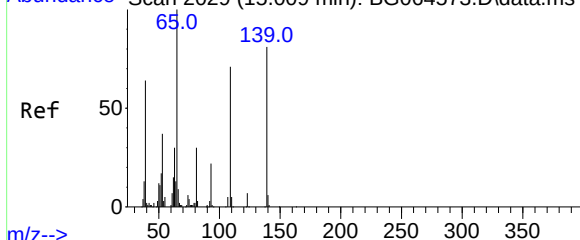
Abundance



Abundance Scan 2067 (15.234 min): BG064600.D\data.ms (



Abundance Scan 2029 (15.009 min): BG064573.D\data.ms (



#56

4-Nitrophenol

Concen: 42.870 ng

RT: 15.011 min Scan# 2029

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion:139 Resp: 45706

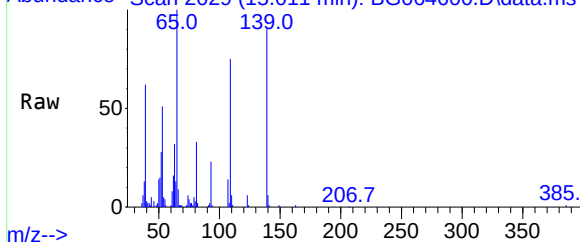
Ion Ratio Lower Upper

139 100

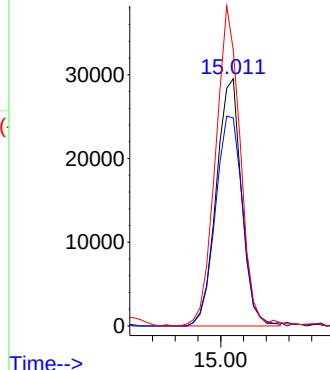
109 84.2 67.8 107.8

65 111.5 103.7 143.7

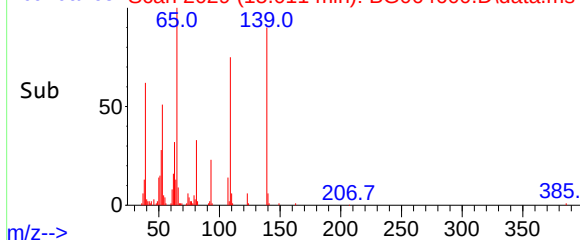
Abundance Scan 2029 (15.011 min): BG064600.D\data.ms

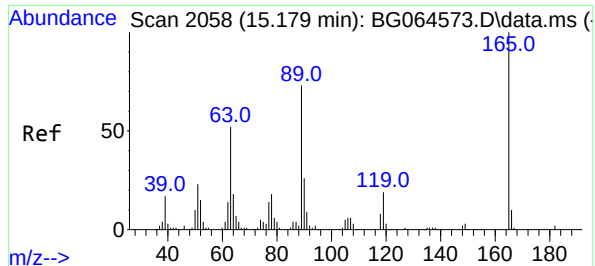


Abundance



Abundance Scan 2029 (15.011 min): BG064600.D\data.ms (





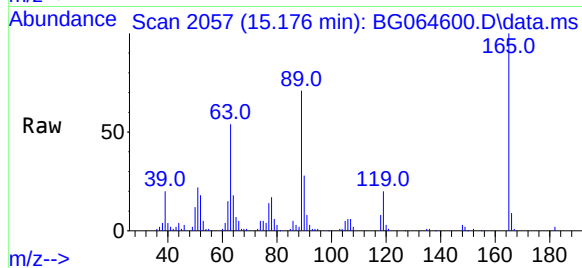
#57
2,4-Dinitrotoluene
Concen: 38.904 ng
RT: 15.176 min Scan# 2057
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



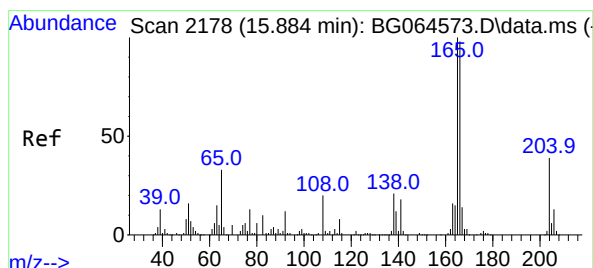
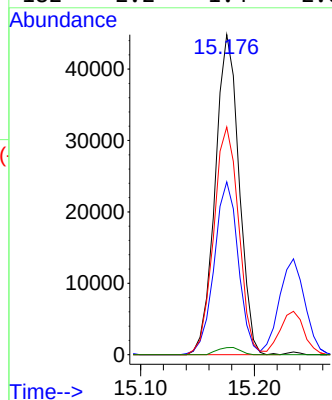
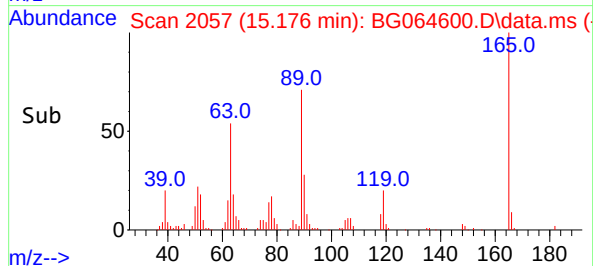
Tgt Ion:165 Resp: 65358
Ion Ratio Lower Upper
165 100
63 54.0 41.8 62.8
89 71.1 58.1 87.1
182 2.2 1.4 2.0#

Manual Integrations

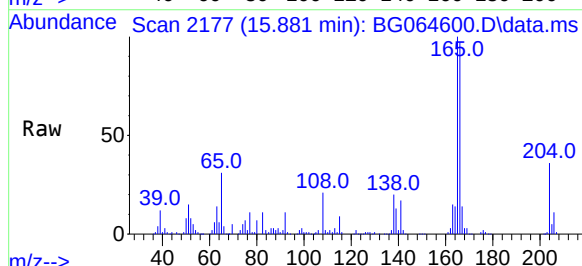
APPROVED

Reviewed By :Rahul Chavli 10/29/2025

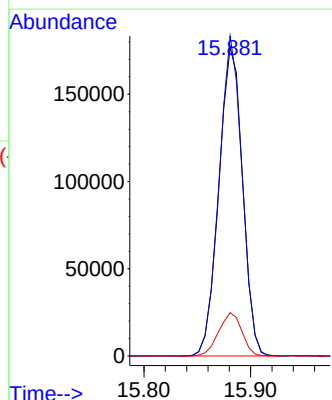
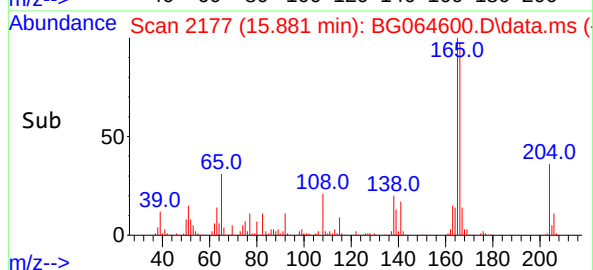
Supervised By :Jagrut Upadhyay 10/29/2025

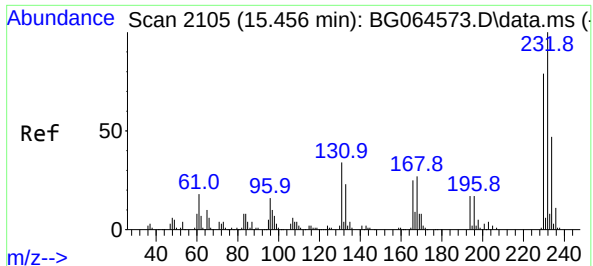


#58
Fluorene
Concen: 42.889 ng
RT: 15.881 min Scan# 2177
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



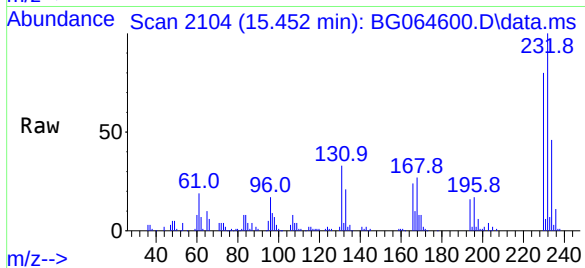
Tgt Ion:166 Resp: 273843
Ion Ratio Lower Upper
166 100
165 103.6 81.5 122.3
167 14.0 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.494 ng
RT: 15.452 min Scan# 2104
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

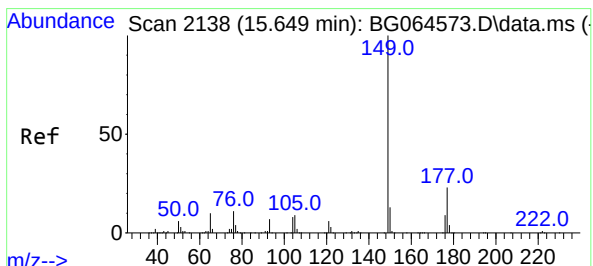
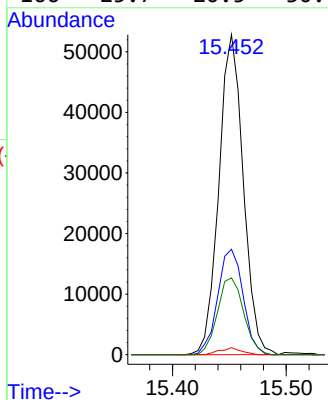
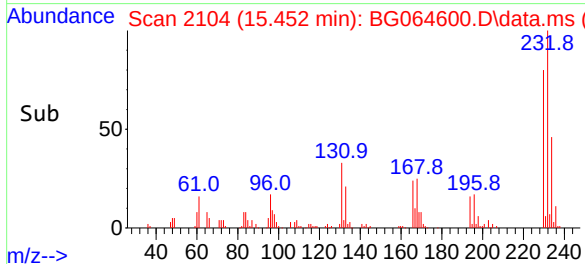
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040



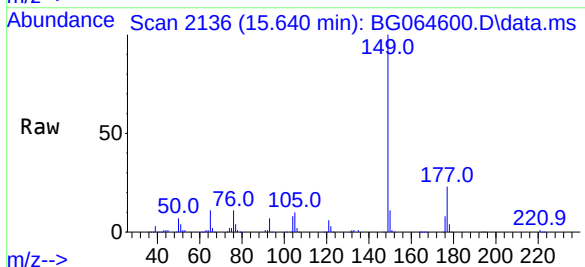
Tgt Ion:232 Resp: 78718
Ion Ratio Lower Upper
232 100
131 34.2 26.7 40.1
130 1.9 1.6 2.4
166 25.7 20.5 30.7

Manual Integrations
APPROVED

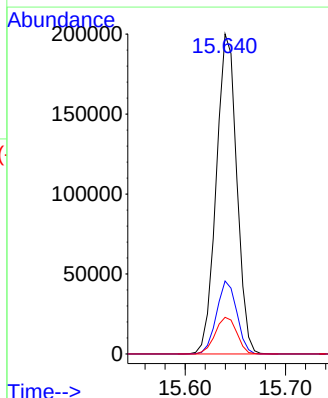
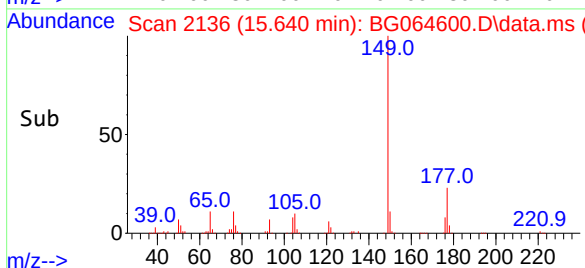
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

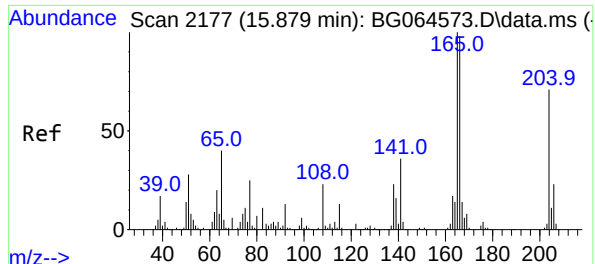


#60
Diethylphthalate
Concen: 41.444 ng
RT: 15.640 min Scan# 2136
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



Tgt Ion:149 Resp: 283156
Ion Ratio Lower Upper
149 100
177 22.8 18.0 27.0
150 11.5 10.2 15.4





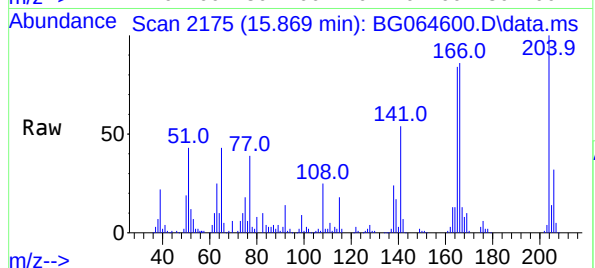
#61
4-Chlorophenyl-phenylether
Concen: 42.673 ng
RT: 15.869 min Scan# 2175
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



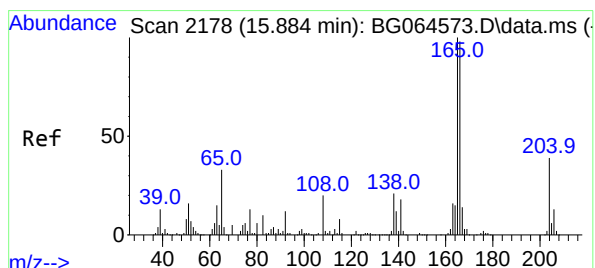
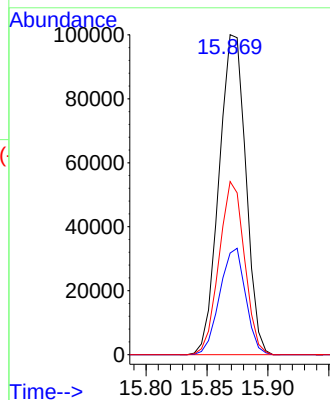
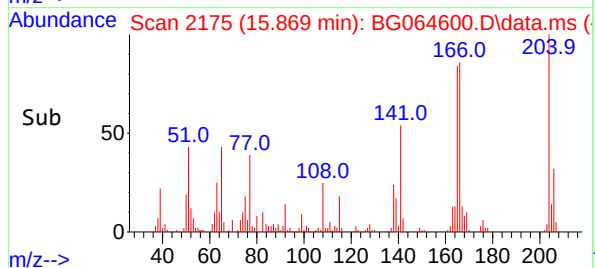
Tgt Ion:204 Resp: 152900
Ion Ratio Lower Upper
204 100
206 31.7 25.6 38.4
141 54.1 40.6 60.8

Manual Integrations

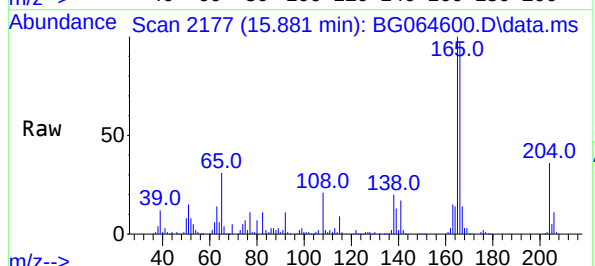
APPROVED

Reviewed By :Rahul Chavli 10/29/2025

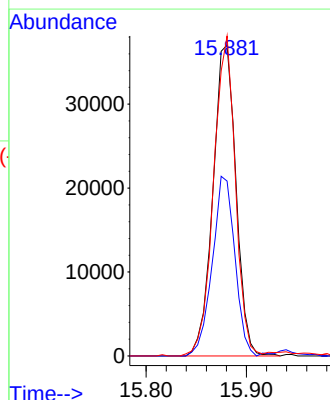
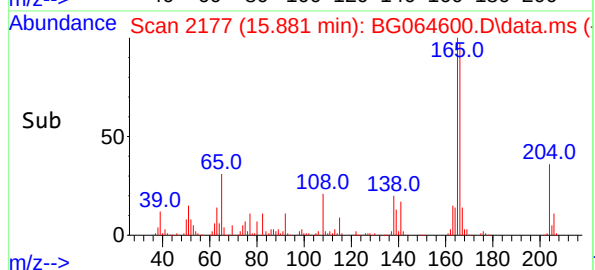
Supervised By :Jagrut Upadhyay 10/29/2025

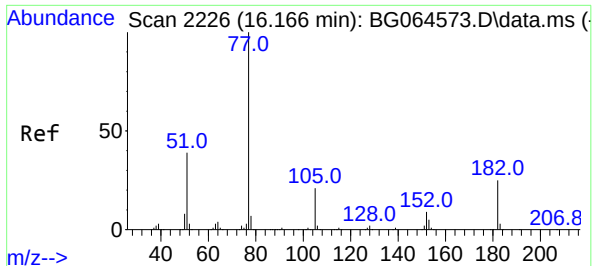


#62
4-Nitroaniline
Concen: 46.150 ng
RT: 15.881 min Scan# 2177
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



Tgt Ion:138 Resp: 59041
Ion Ratio Lower Upper
138 100
92 56.2 36.1 76.1
108 102.9 75.6 115.6





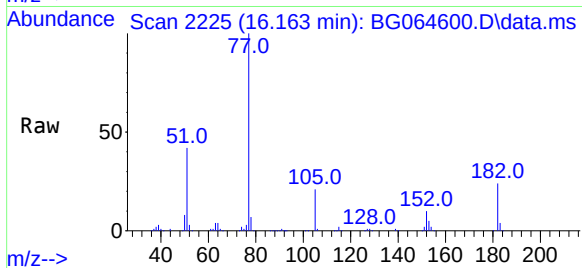
#63
Azobenzene
Concen: 43.410 ng
RT: 16.163 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

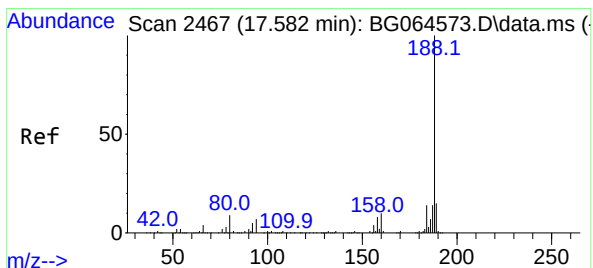
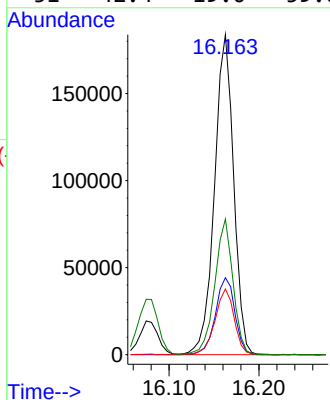
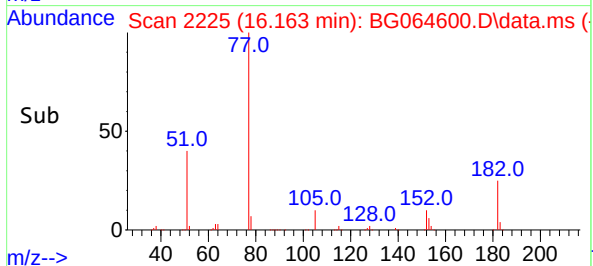


Tgt Ion: 77 Resp: 27212
Ion Ratio Lower Upper
77 100
182 24.0 4.9 44.9
105 20.6 1.3 41.3
51 42.4 19.0 59.0

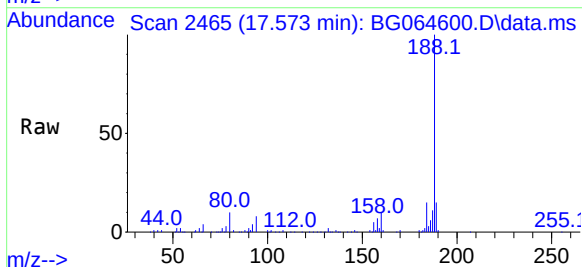
Manual Integrations

APPROVED

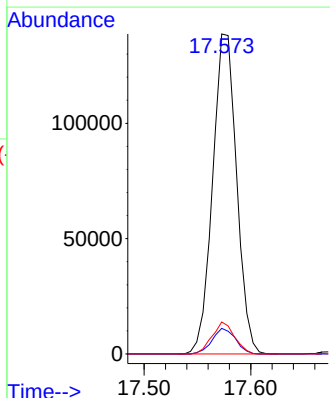
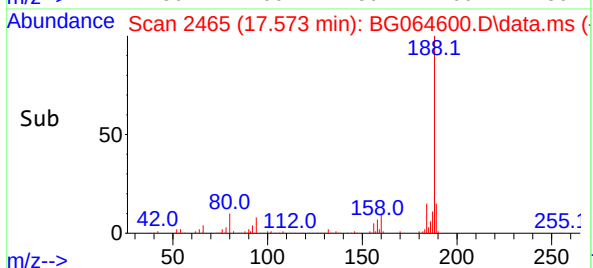
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



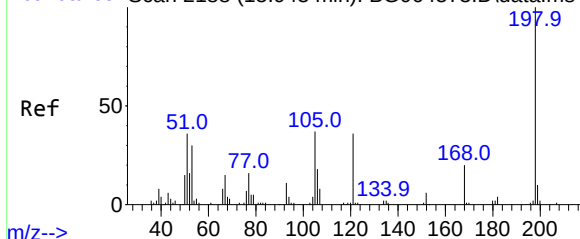
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.573 min Scan# 2465
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



Tgt Ion:188 Resp: 216707
Ion Ratio Lower Upper
188 100
94 8.0 5.7 8.5
80 10.0 6.8 10.2



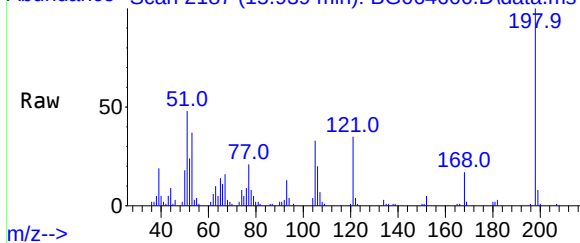
Abundance Scan 2188 (15.943 min): BG064573.D\data.ms (



#65
4,6-Dinitro-2-methylphenol
Concen: 44.112 ng
RT: 15.939 min Scan# 2187
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Abundance Scan 2187 (15.939 min): BG064600.D\data.ms

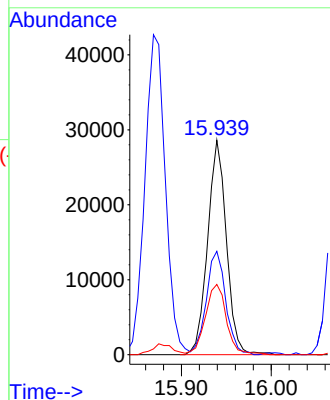
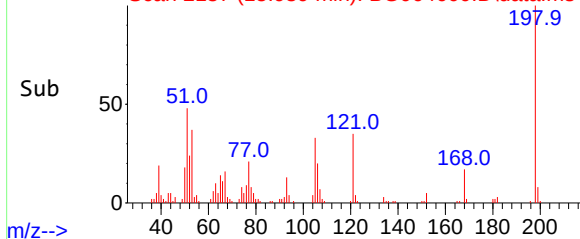


Tgt Ion:198 Resp: 41592
Ion Ratio Lower Upper
198 100
51 48.2 24.7 64.7
105 32.8 18.0 58.0

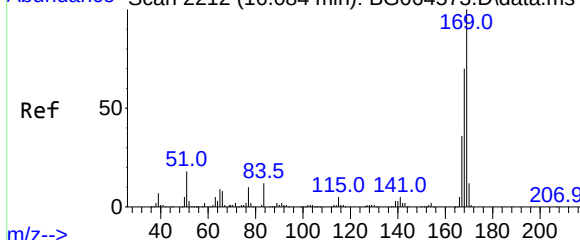
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

Abundance Scan 2187 (15.939 min): BG064600.D\data.ms (

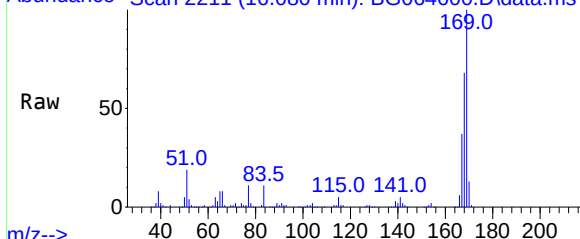


Abundance Scan 2212 (16.084 min): BG064573.D\data.ms (



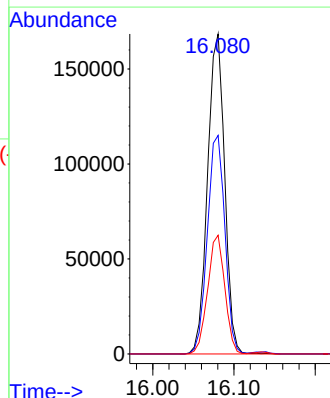
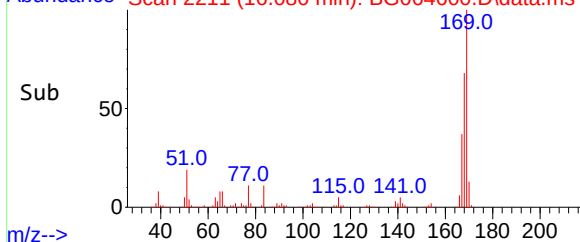
#66
n-Nitrosodiphenylamine
Concen: 41.931 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

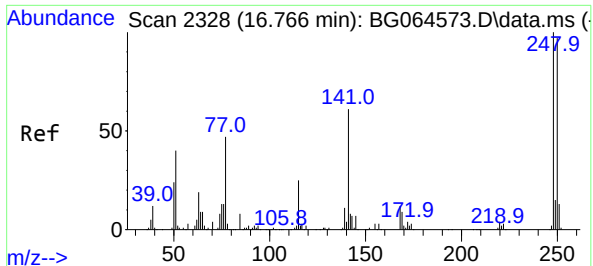
Abundance Scan 2211 (16.080 min): BG064600.D\data.ms



Tgt Ion:169 Resp: 245458
Ion Ratio Lower Upper
169 100
168 68.3 56.3 84.5
167 37.1 29.0 43.6

Abundance Scan 2211 (16.080 min): BG064600.D\data.ms (





#67
4-Bromophenyl-phenylether
Concen: 42.202 ng
RT: 16.762 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

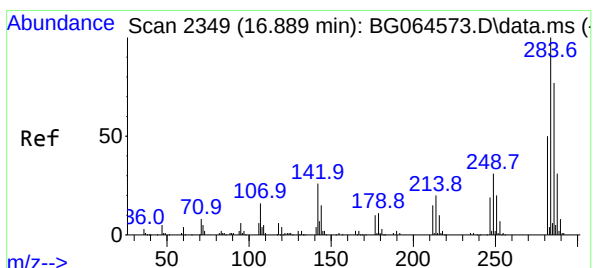
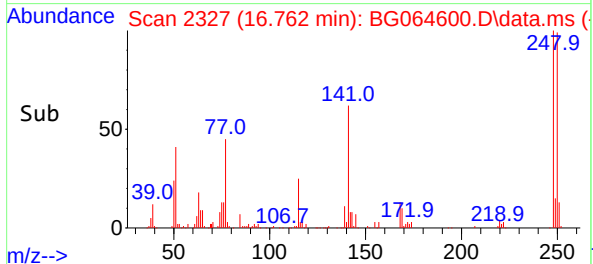
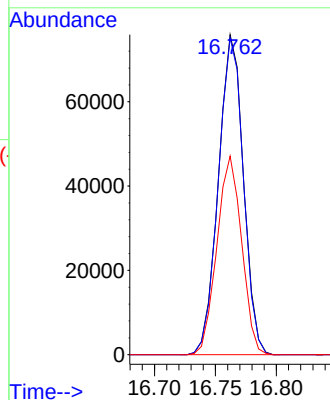
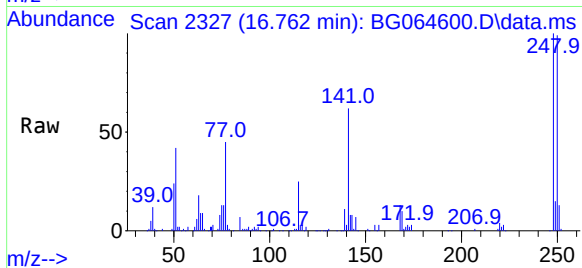
ClientSampleId :

SSTDCCC040

Tgt Ion:248 Resp: 10837
Ion Ratio Lower Upper
248 100
250 99.0 77.7 116.5
141 62.1 48.6 72.8

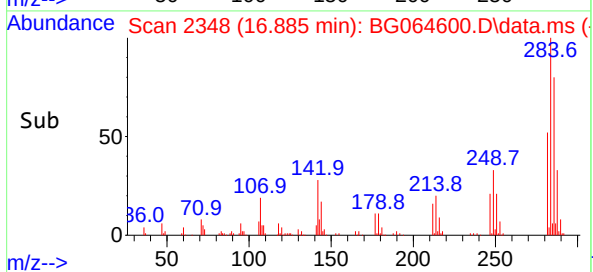
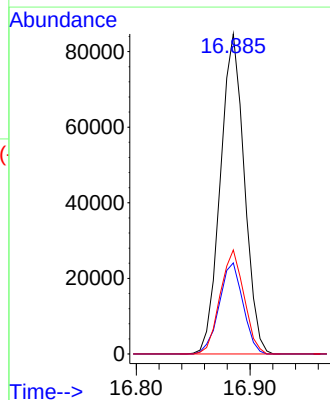
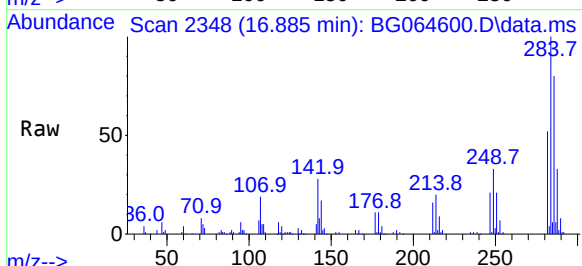
Manual Integrations
APPROVED

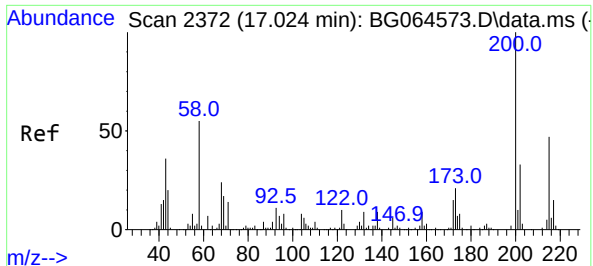
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#68
Hexachlorobenzene
Concen: 42.333 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:284 Resp: 124024
Ion Ratio Lower Upper
284 100
142 28.5 21.0 31.6
249 32.5 24.9 37.3





#69

Atrazine

Concen: 39.933 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.013 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 100590

Ion Ratio Lower Upper

200 100

173 24.9 0.9 40.9

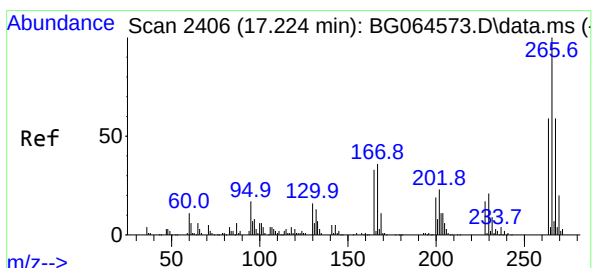
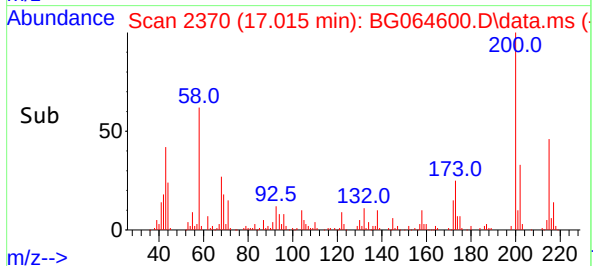
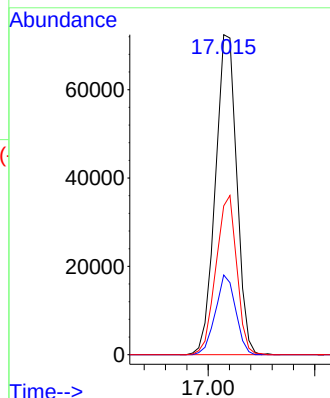
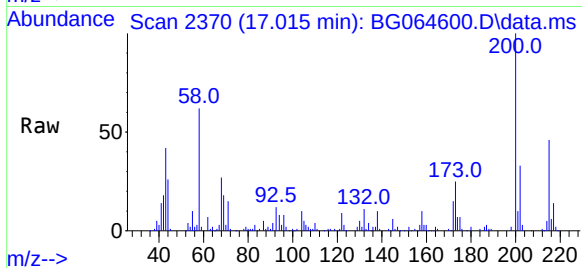
215 46.5 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#70

Pentachlorophenol

Concen: 42.624 ng

RT: 17.220 min Scan# 2405

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

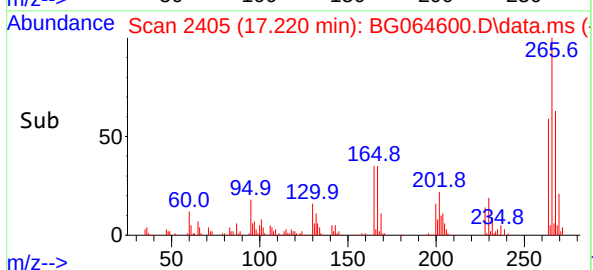
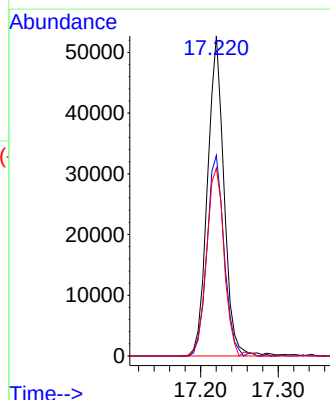
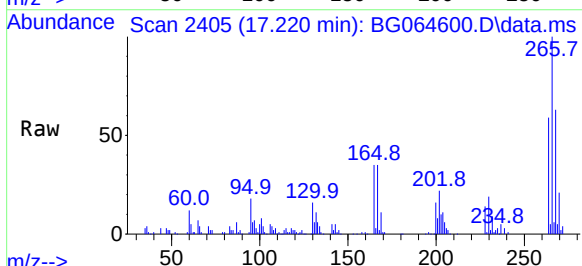
Tgt Ion:266 Resp: 77871

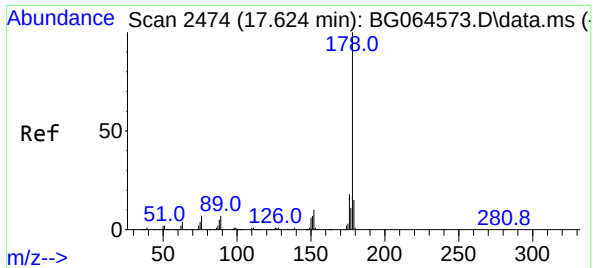
Ion Ratio Lower Upper

266 100

268 67.3 50.3 75.5

264 63.3 47.3 70.9





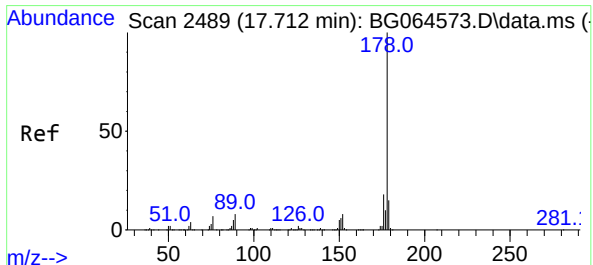
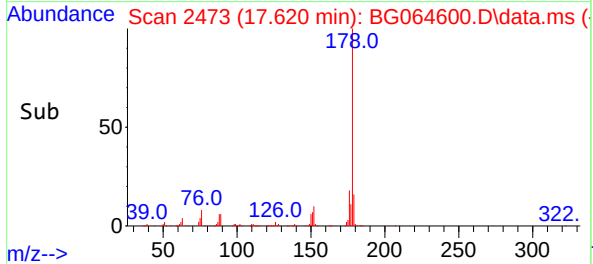
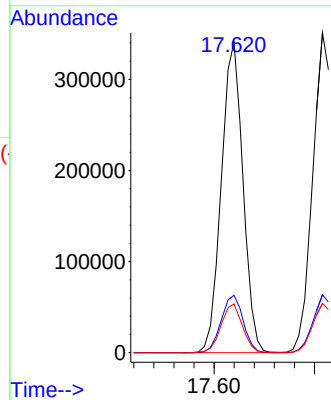
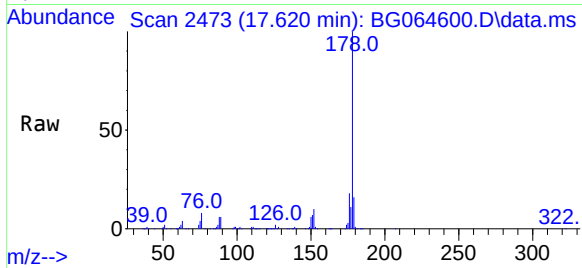
#71
Phenanthrene
Concen: 42.940 ng
RT: 17.620 min Scan# 2474
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 508872
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.7 12.2 18.4

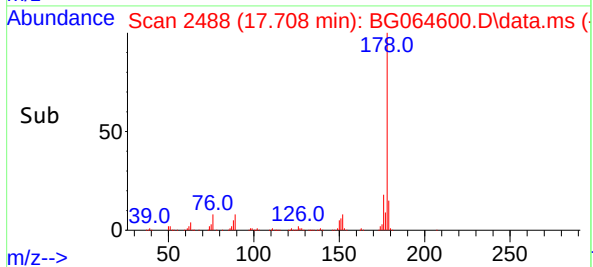
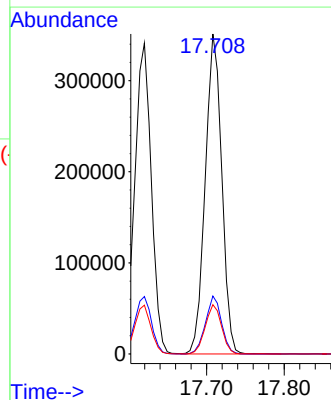
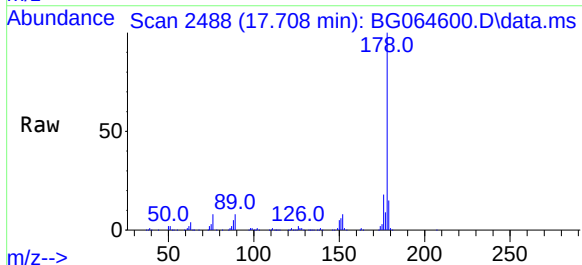
Manual Integrations
APPROVED

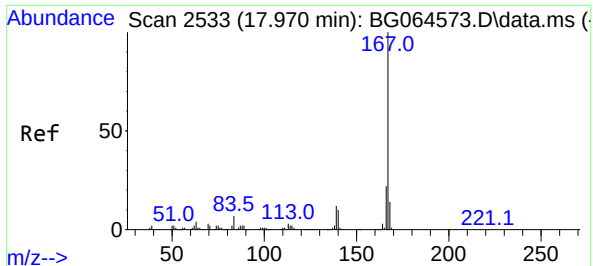
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#72
Anthracene
Concen: 43.088 ng
RT: 17.708 min Scan# 2488
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:178 Resp: 519429
Ion Ratio Lower Upper
178 100
176 18.1 14.4 21.6
179 15.4 12.4 18.6





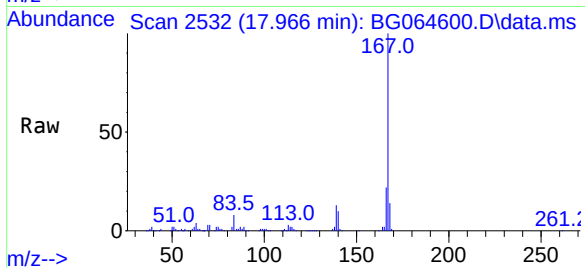
#73
Carbazole
Concen: 43.381 ng
RT: 17.966 min Scan# 2533
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

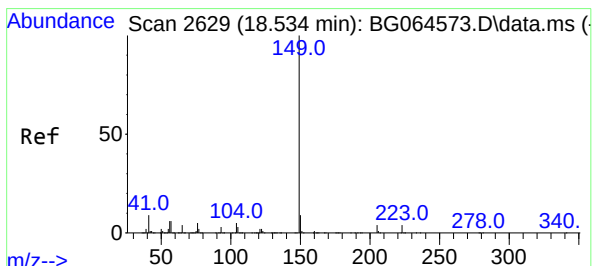
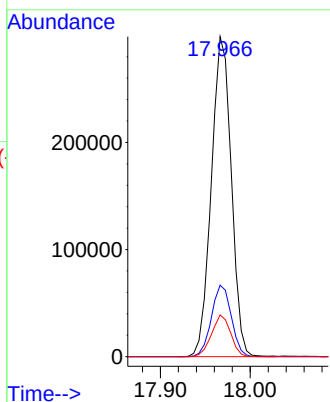


Tgt Ion:167 Resp: 461150
Ion Ratio Lower Upper
167 100
166 22.4 17.9 26.9
139 13.0 9.7 14.5

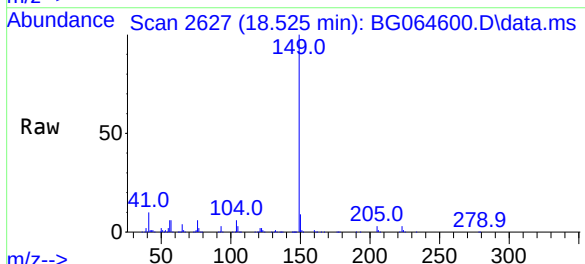
Manual Integrations

APPROVED

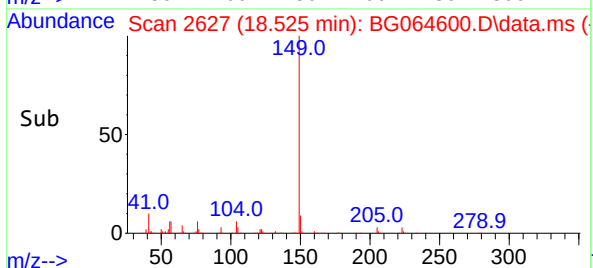
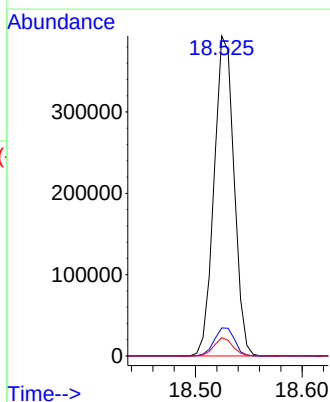
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



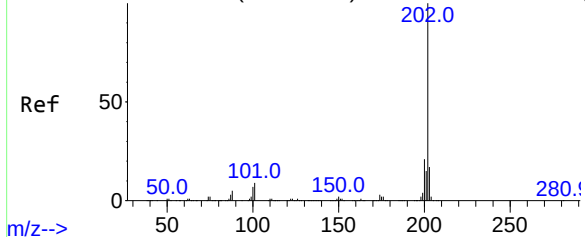
#74
Di-n-butylphthalate
Concen: 41.476 ng
RT: 18.525 min Scan# 2627
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



Tgt Ion:149 Resp: 509848
Ion Ratio Lower Upper
149 100
150 8.7 7.0 10.6
104 5.7 4.1 6.1



Abundance Scan 2813 (19.615 min): BG064573.D\data.ms (



#75

Fluoranthene

Concen: 44.309 ng

RT: 19.612 min Scan# 2812

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

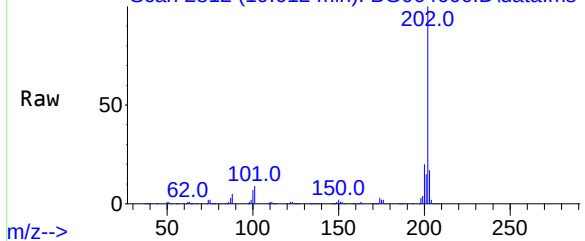
Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

m/z--> Abundance Scan 2812 (19.612 min): BG064600.D\data.ms



Tgt Ion:202 Resp: 657820

Ion Ratio Lower Upper

202 100

101 8.8 0.0 28.7

203 17.2 0.0 37.0

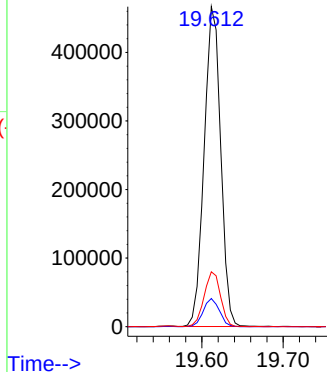
Manual Integrations

APPROVED

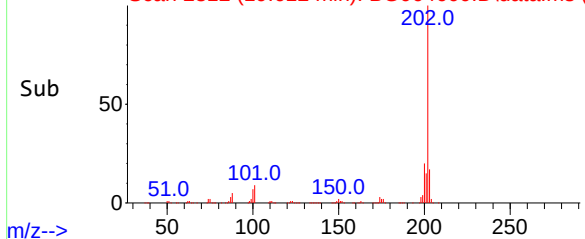
Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025

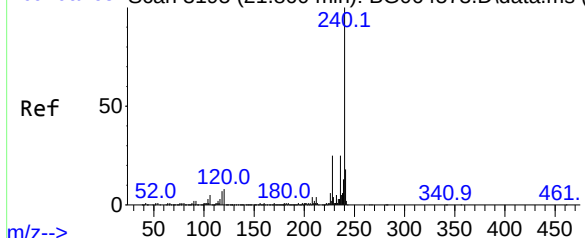
Abundance



Abundance Scan 2812 (19.612 min): BG064600.D\data.ms (



Abundance Scan 3195 (21.860 min): BG064573.D\data.ms (



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.850 min Scan# 3193

Delta R.T. -0.013 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion:240 Resp: 273944

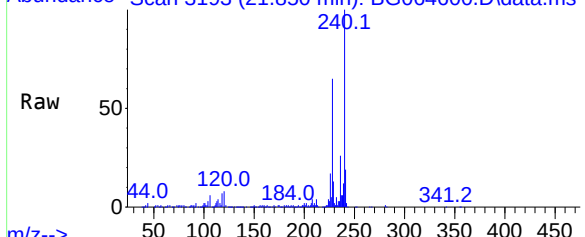
Ion Ratio Lower Upper

240 100

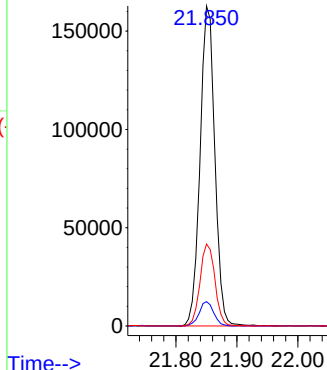
120 7.6 6.5 9.7

236 25.6 20.2 30.2

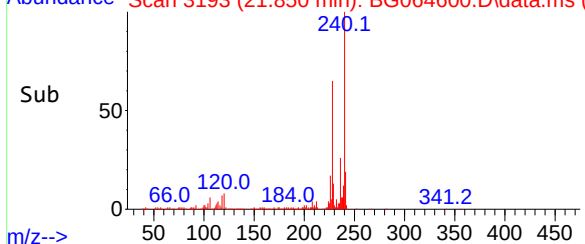
m/z--> Abundance Scan 3193 (21.850 min): BG064600.D\data.ms

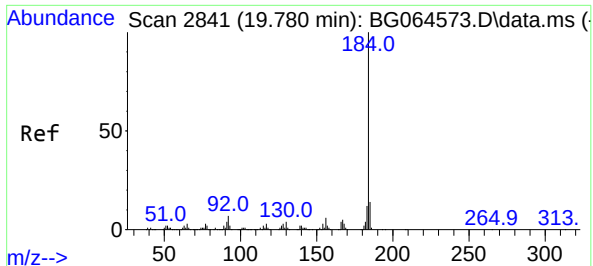


Abundance



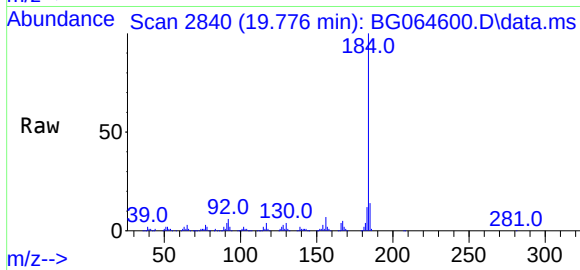
Abundance Scan 3193 (21.850 min): BG064600.D\data.ms (





#77
Benzidine
Concen: 42.865 ng
RT: 19.776 min Scan# 2840
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

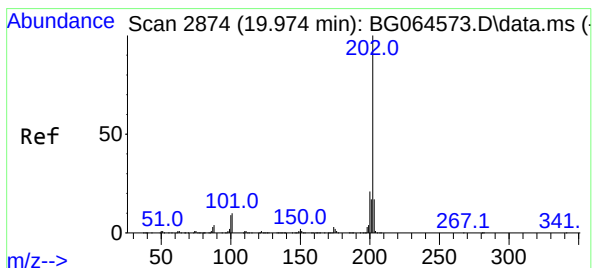
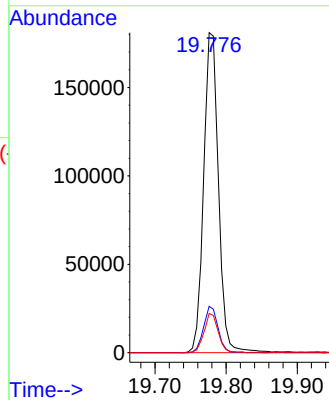
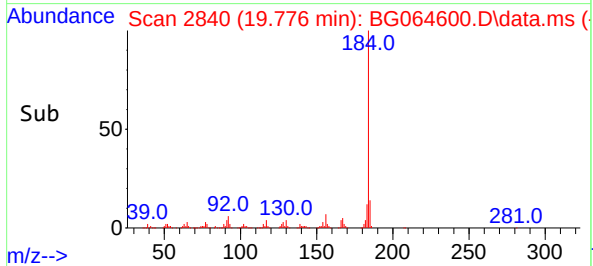
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040



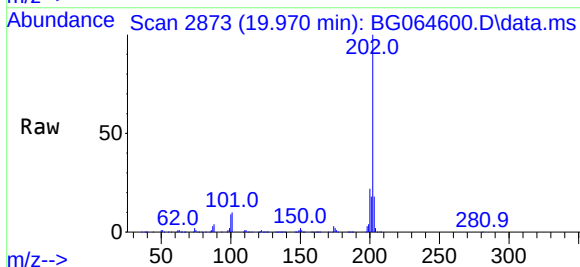
Tgt Ion:184 Resp: 263080
Ion Ratio Lower Upper
184 100
185 14.5 11.4 17.2
183 12.2 9.4 14.2

Manual Integrations
APPROVED

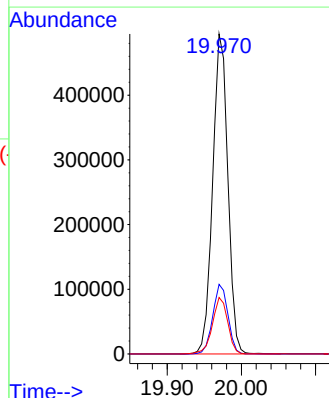
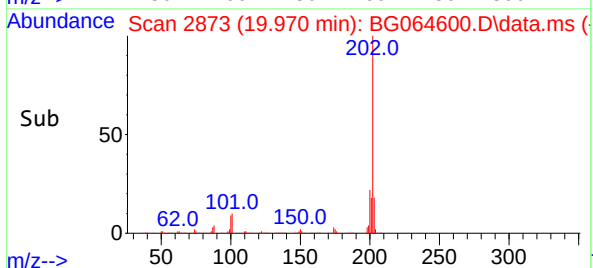
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

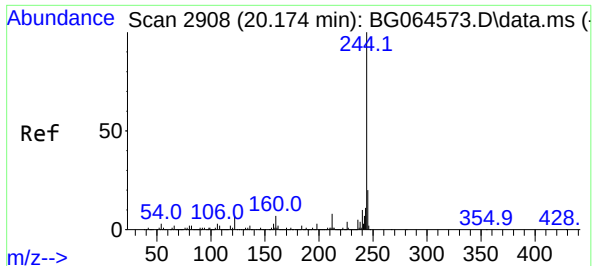


#78
Pyrene
Concen: 39.200 ng
RT: 19.970 min Scan# 2873
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



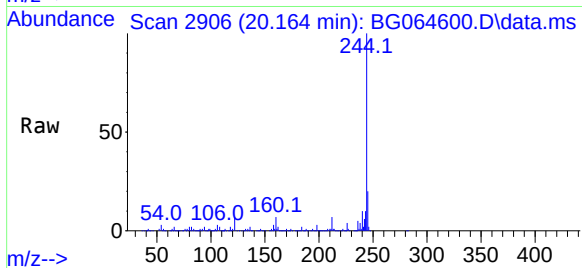
Tgt Ion:202 Resp: 701611
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.4
203 17.7 13.8 20.6





#79
Terphenyl-d14
Concen: 79.314 ng
RT: 20.164 min Scan# 2906
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

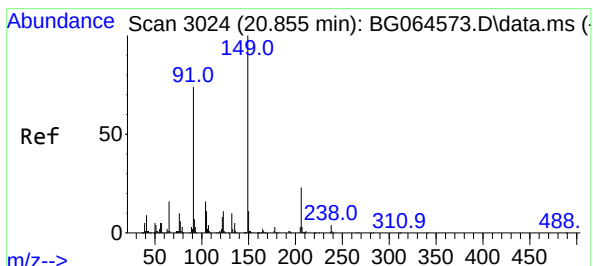
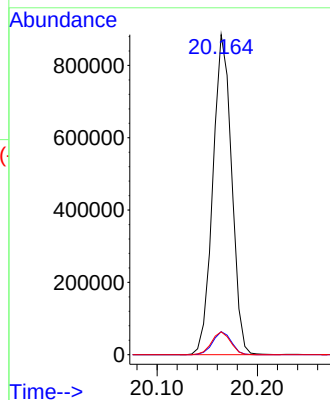
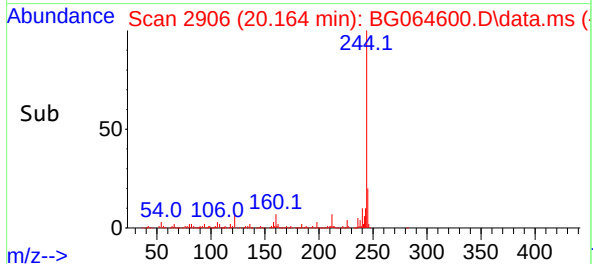
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040



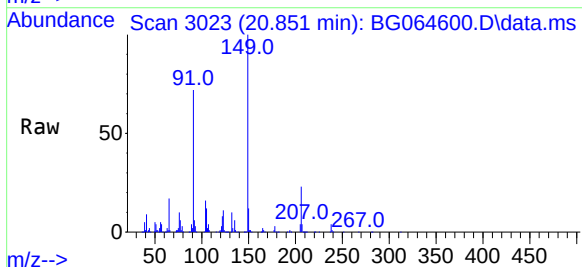
Tgt Ion:244 Resp: 115133
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 7.2 5.6 8.4

Manual Integrations
APPROVED

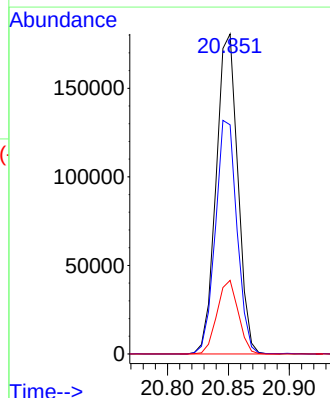
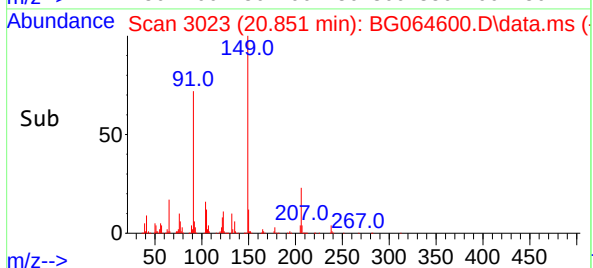
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

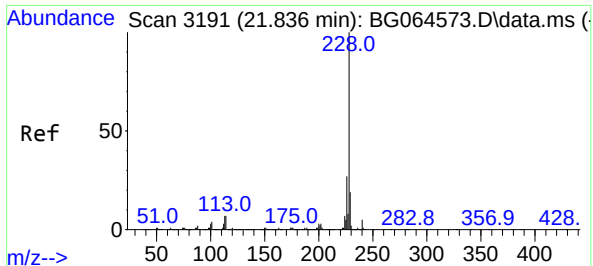


#80
Butylbenzylphthalate
Concen: 41.284 ng
RT: 20.851 min Scan# 3023
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45



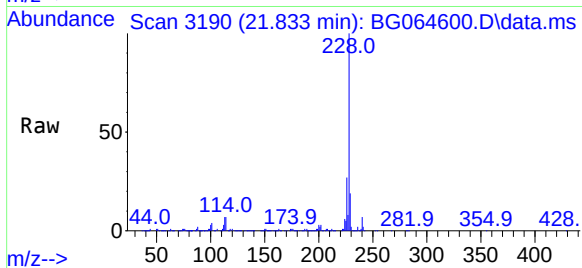
Tgt Ion:149 Resp: 223322
Ion Ratio Lower Upper
149 100
91 71.6 59.2 88.8
206 23.0 18.1 27.1





#81
Benzo(a)anthracene
Concen: 43.127 ng
RT: 21.833 min Scan# 3191
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

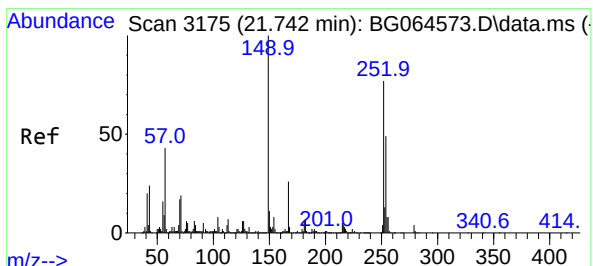
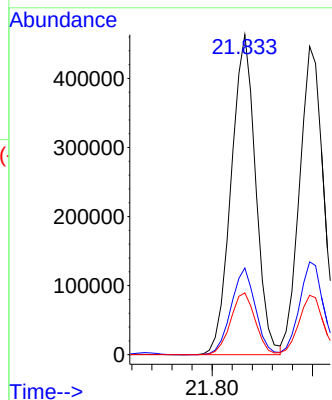
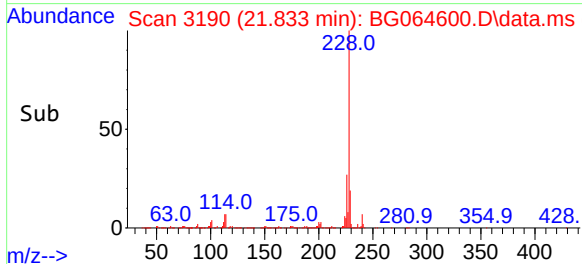
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040



Tgt Ion:228 Resp: 783360
Ion Ratio Lower Upper
228 100
226 27.1 21.9 32.9
229 19.3 15.6 23.4

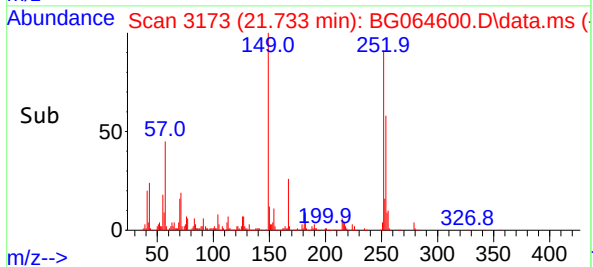
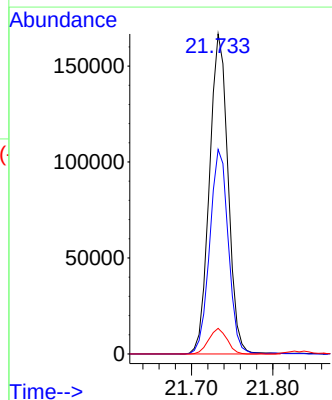
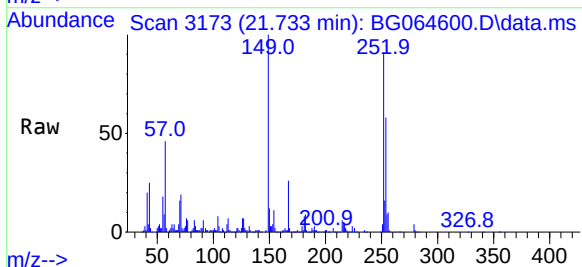
Manual Integrations
APPROVED

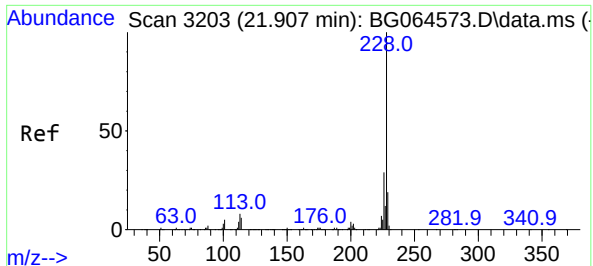
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#82
3,3'-Dichlorobenzidine
Concen: 43.634 ng
RT: 21.733 min Scan# 3173
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

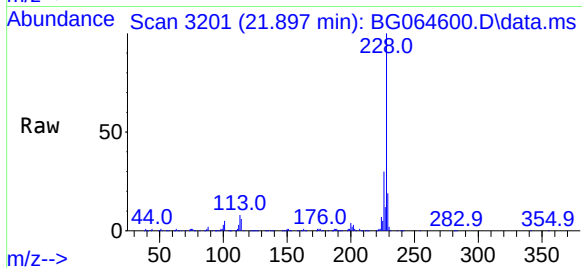
Tgt Ion:252 Resp: 264664
Ion Ratio Lower Upper
252 100
254 63.9 50.8 76.2
126 8.0 5.8 8.6





#83
Chrysene
Concen: 42.699 ng
RT: 21.897 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

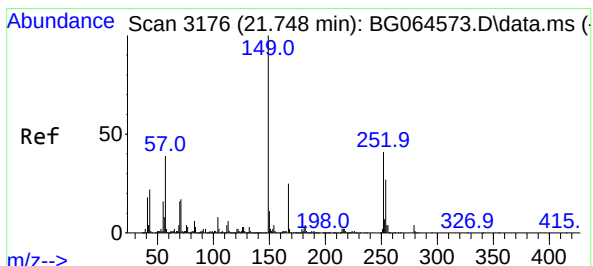
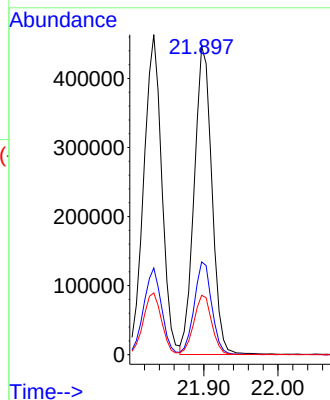
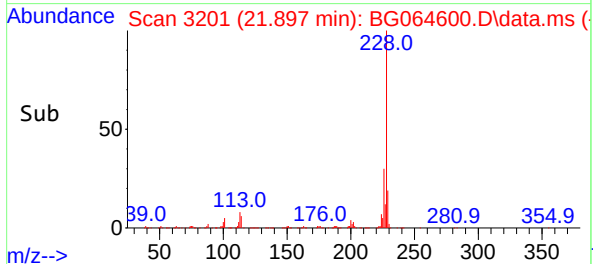
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040



Tgt Ion:228 Resp: 737979
Ion Ratio Lower Upper
228 100
226 30.1 23.3 34.9
229 19.3 15.2 22.8

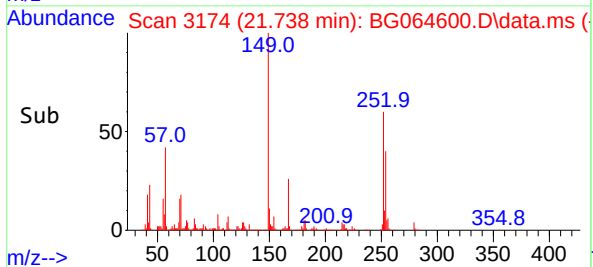
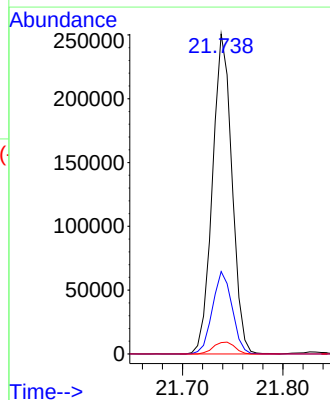
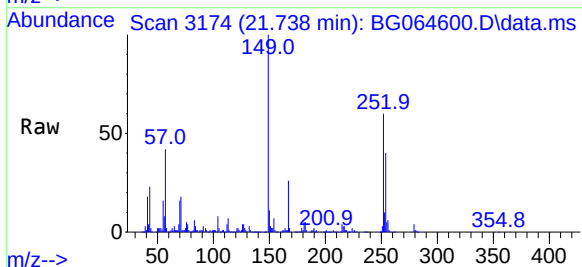
Manual Integrations
APPROVED

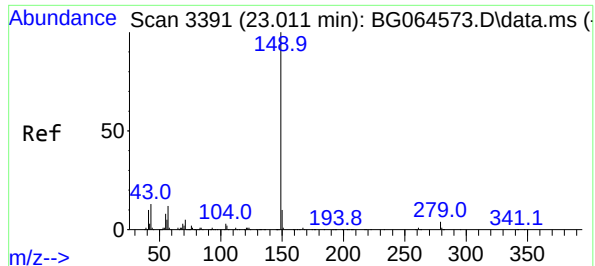
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 41.896 ng
RT: 21.738 min Scan# 3174
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:149 Resp: 338648
Ion Ratio Lower Upper
149 100
167 25.7 20.0 30.0
279 3.5 3.1 4.7





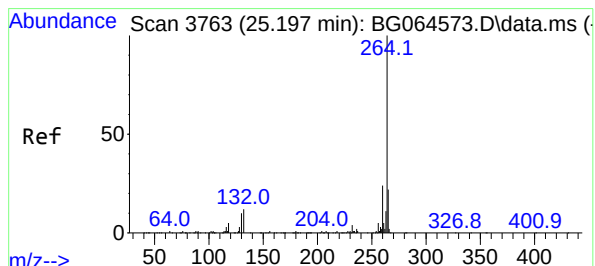
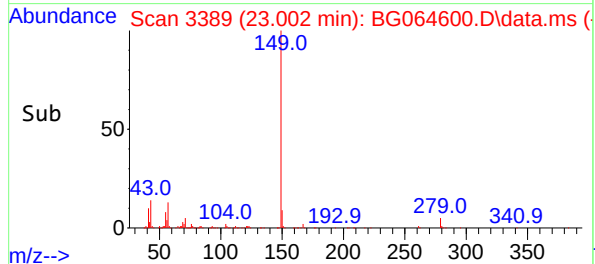
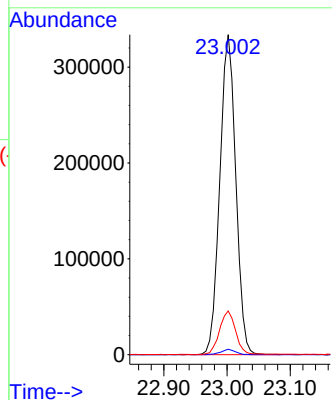
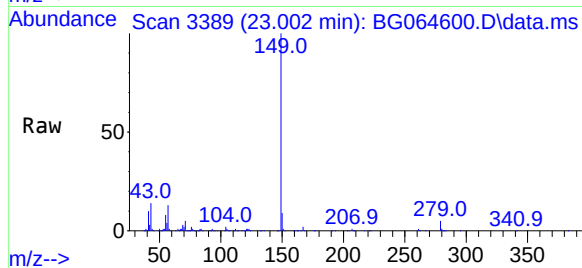
#85
Di-n-octyl phthalate
Concen: 42.989 ng
RT: 23.002 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 58584
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 14.0 10.8 16.2

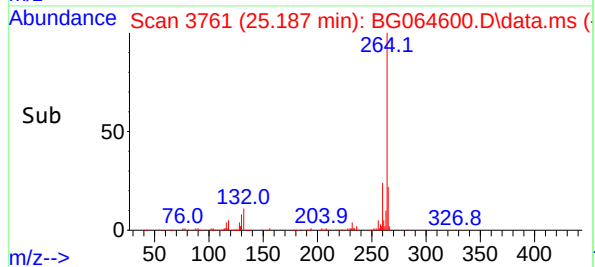
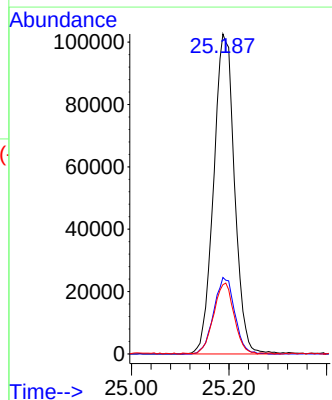
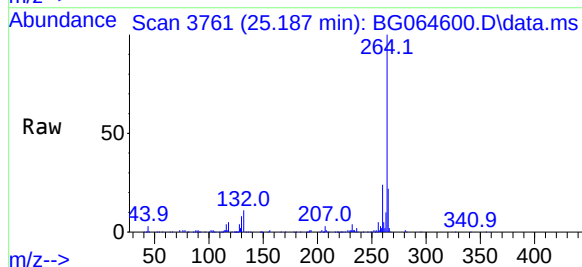
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

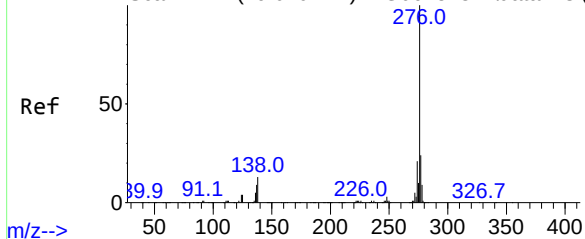


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.187 min Scan# 3761
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:264 Resp: 304830
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 21.6 17.6 26.4



Abundance Scan 4417 (29.040 min): BG064573.D\data.ms (



#87

Indeno(1,2,3-cd)pyrene

Concen: 43.075 ng

RT: 29.030 min Scan# 4417

Delta R.T. -0.031 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 965920

Ion Ratio Lower Upper

276 100

138 12.6 10.8 16.2

277 25.0 20.1 30.1

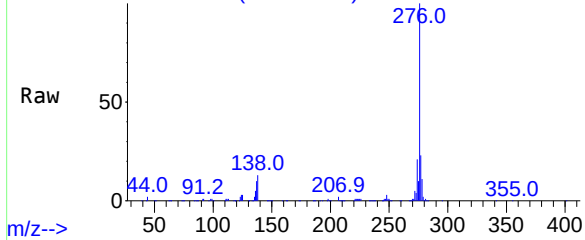
Manual Integrations

APPROVED

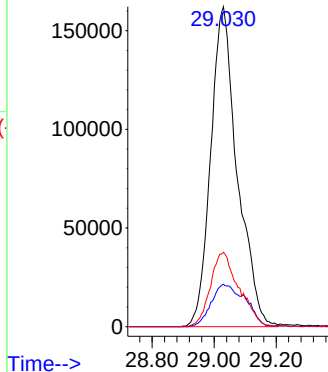
Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025

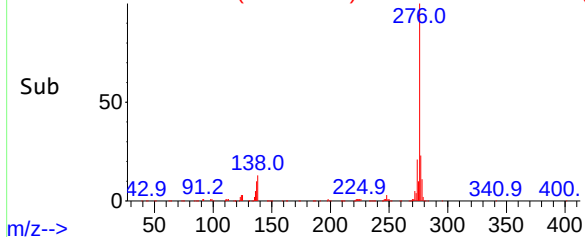
Abundance Scan 4415 (29.030 min): BG064600.D\data.ms



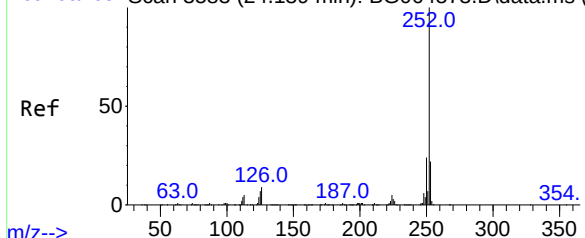
Abundance



Abundance Scan 4415 (29.030 min): BG064600.D\data.ms (



Abundance Scan 3583 (24.139 min): BG064573.D\data.ms (



#88

Benzo(b)fluoranthene

Concen: 41.888 ng

RT: 24.136 min Scan# 3582

Delta R.T. -0.007 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Tgt Ion:252 Resp: 782982

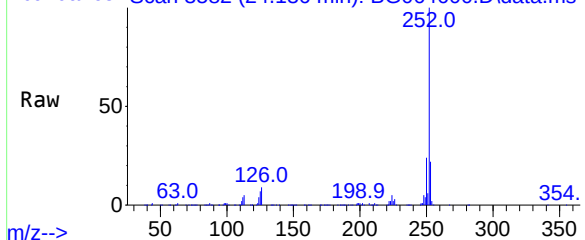
Ion Ratio Lower Upper

252 100

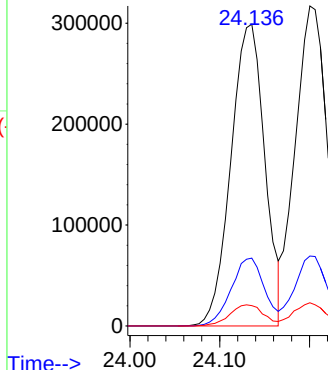
253 22.5 17.8 26.8

125 6.8 5.6 8.4

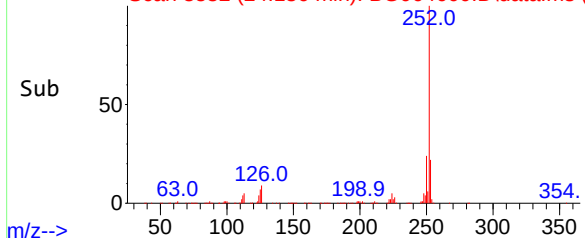
Abundance Scan 3582 (24.136 min): BG064600.D\data.ms

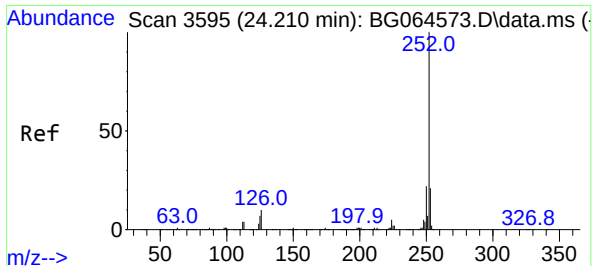


Abundance



Abundance Scan 3582 (24.136 min): BG064600.D\data.ms (





#89

Benzo(k)fluoranthene

Concen: 42.510 ng

RT: 24.200 min Scan# 3595

Delta R.T. -0.019 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 79514

Ion Ratio Lower Upper

252 100

253 21.9 16.8 25.2

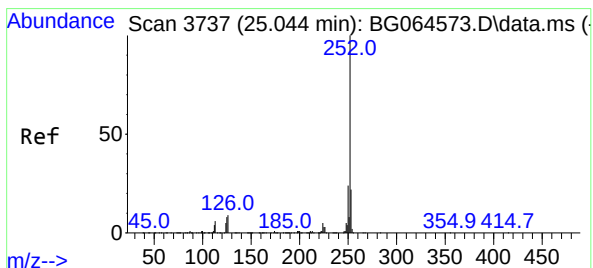
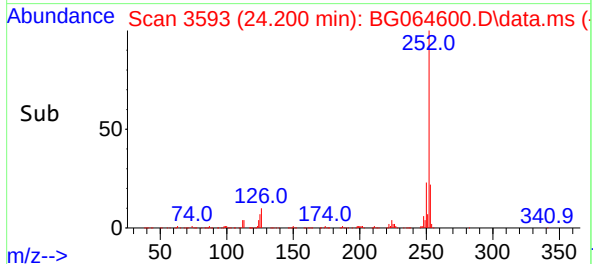
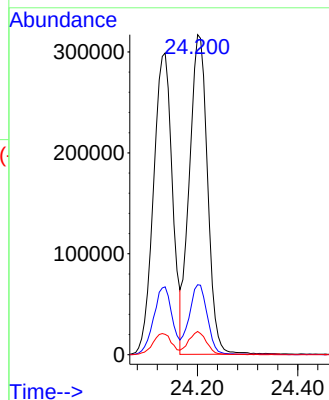
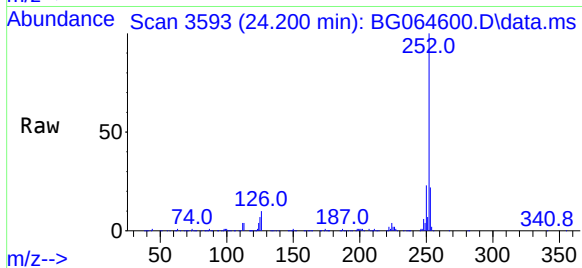
125 7.3 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#90

Benzo(a)pyrene

Concen: 42.632 ng

RT: 25.041 min Scan# 3736

Delta R.T. -0.019 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

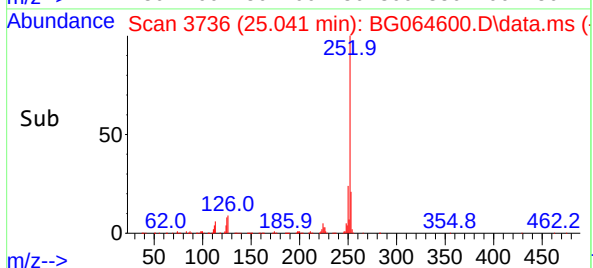
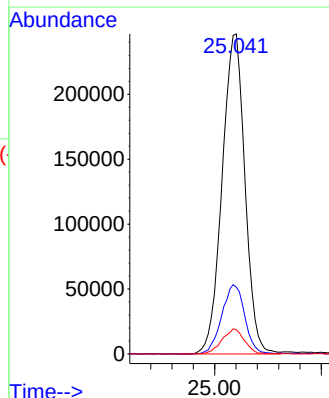
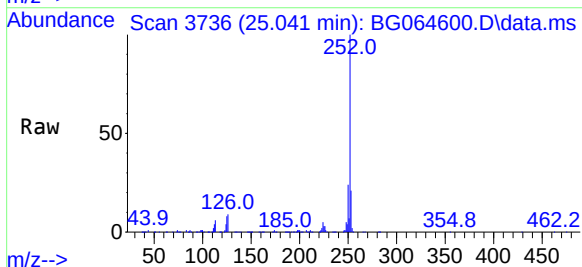
Tgt Ion:252 Resp: 732498

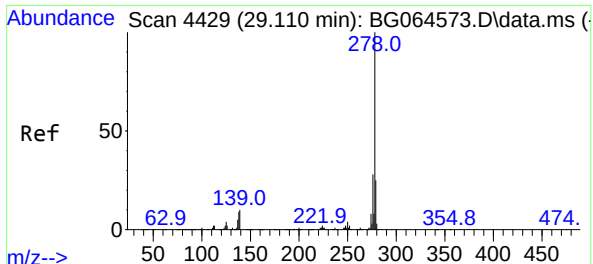
Ion Ratio Lower Upper

252 100

253 20.8 17.6 26.4

125 7.5 6.1 9.1





#91

Dibenzo(a,h)anthracene

Concen: 43.228 ng

RT: 29.095 min Scan# 4415

Delta R.T. -0.043 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 78752

Ion Ratio Lower Upper

278 100

139 11.1 8.0 12.0

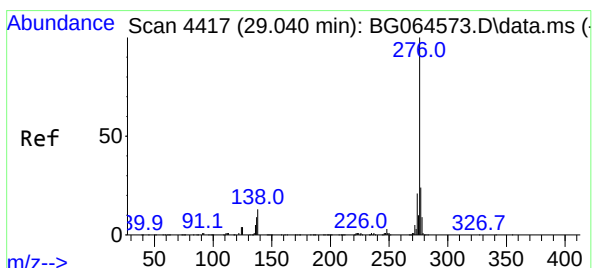
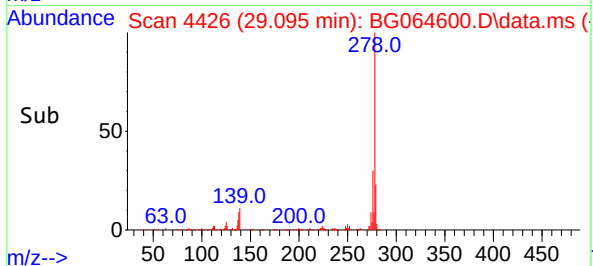
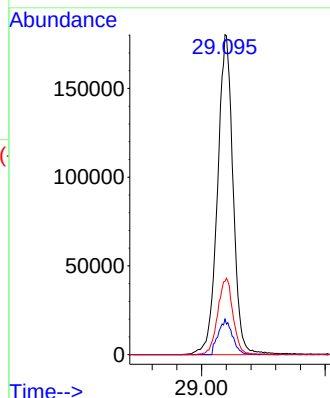
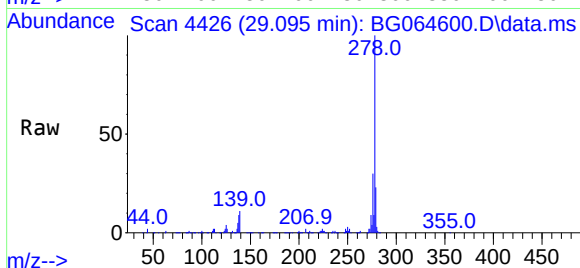
279 22.9 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :Jagrut Upadhyay 10/29/2025



#92

Benzo(g,h,i)perylene

Concen: 43.075 ng

RT: 29.030 min Scan# 4415

Delta R.T. -0.031 min

Lab File: BG064600.D

Acq: 28 Oct 2025 13:45

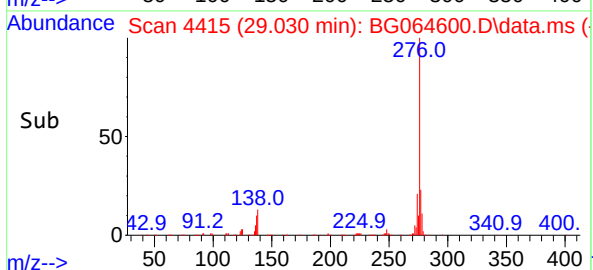
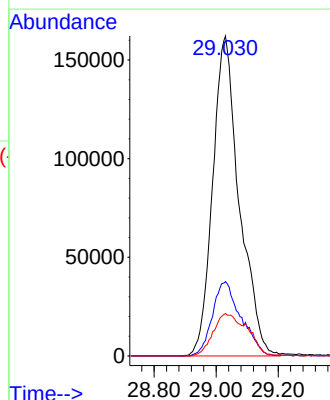
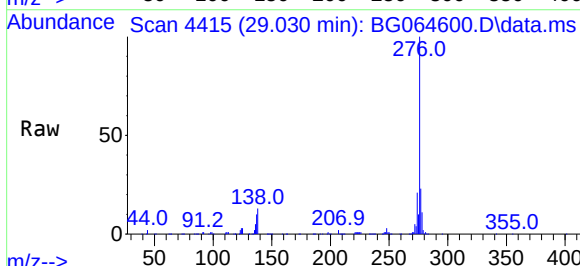
Tgt Ion:276 Resp: 965926

Ion Ratio Lower Upper

276 100

277 23.3 19.2 28.8

138 13.3 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	71	0.00
2	1,4-Dioxane	0.528	0.500	5.3	68	0.00
3	Pyridine	1.584	1.484	6.3	63	0.00
4	n-Nitrosodimethylamine	0.850	0.841	1.1	67	0.00
5 S	2-Fluorophenol	1.192	1.244	-4.4	69	0.00
6	Aniline	2.225	2.289	-2.9	68	0.00
7 S	Phenol-d6	1.635	1.675	-2.4	67	0.00
8	2-Chlorophenol	1.247	1.245	0.2	65	0.00
9	Benzaldehyde	0.893	0.888	0.6	67	0.00
10 C	Phenol	1.808	1.888	-4.4	69	-0.01
11	bis(2-Chloroethyl)ether	2.225	2.289	-2.9	68	0.00
12	1,3-Dichlorobenzene	1.435	1.491	-3.9	70	0.00
13 C	1,4-Dichlorobenzene	1.460	1.522	-4.2	71	0.00
14	1,2-Dichlorobenzene	1.408	1.442	-2.4	69	0.00
15	Benzyl Alcohol	1.348	1.311	2.7	66	-0.01
16	2,2'-oxybis(1-Chloropropane	3.487	3.880	-11.3	74	0.00
17	2-Methylphenol	0.674	0.680	-0.9	65	0.00
18	Hexachloroethane	0.512	0.551	-7.6	73	0.00
19 P	n-Nitroso-di-n-propylamine	1.130	1.210	-7.1	70	-0.01
20	3+4-Methylphenols	1.688	1.671	1.0	66	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22	Acetophenone	0.547	0.583	-6.6	68	-0.01
23 S	Nitrobenzene-d5	0.333	0.361	-8.4	65	0.00
24	Nitrobenzene	0.362	0.392	-8.3	65	0.00
25	Isophorone	0.799	0.869	-8.8	68	-0.01
26 C	2-Nitrophenol	0.121	0.135	-11.6	67	0.00
27	2,4-Dimethylphenol	0.303	0.323	-6.6	66	0.00
28	bis(2-Chloroethoxy)methane	0.455	0.488	-7.3	68	0.00
29 C	2,4-Dichlorophenol	0.320	0.337	-5.3	64	0.00
30	1,2,4-Trichlorobenzene	0.363	0.391	-7.7	68	0.00
31	Naphthalene	1.109	1.185	-6.9	69	0.00
32	Benzoic acid	0.189	0.177	6.3	60	-0.05
33	4-Chloroaniline	0.431	0.453	-5.1	67	0.00
34 C	Hexachlorobutadiene	0.284	0.301	-6.0	69	0.00
35	Caprolactam	0.123	0.122	0.8	62	-0.03
36 C	4-Chloro-3-methylphenol	0.384	0.408	-6.2	66	-0.01
37	2-Methylnaphthalene	0.814	0.869	-6.8	69	0.00
38	1-Methylnaphthalene	0.801	0.847	-5.7	68	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	67	0.00
40	1,2,4,5-Tetrachlorobenzene	0.671	0.712	-6.1	68	0.00
41 P	Hexachlorocyclopentadiene	0.302	0.327	-8.3	68	0.00
42 S	2,4,6-Tribromophenol	0.289	0.305	-5.5	64	0.00
43 C	2,4,6-Trichlorophenol	0.384	0.408	-6.2	65	0.00
44	2,4,5-Trichlorophenol	0.443	0.462	-4.3	64	0.00
45 S	2-Fluorobiphenyl	1.319	1.384	-4.9	67	0.00
46	1,1'-Biphenyl	1.422	1.511	-6.3	68	0.00
47	2-Chloronaphthalene	1.073	1.142	-6.4	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.311	0.324	-4.2	62	0.00
49	Acenaphthylene	1.693	1.798	-6.2	67	0.00
50	Dimethylphthalate	1.530	1.578	-3.1	64	0.00
51	2,6-Dinitrotoluene	0.218	0.235	-7.8	64	0.00
52 C	Acenaphthene	1.157	1.231	-6.4	67	0.00
53	3-Nitroaniline	0.263	0.290	-10.3	66	0.00
54 P	2,4-Dinitrophenol	0.132	0.158	-19.7	77	0.00
55	Dibenzofuran	1.870	1.967	-5.2	67	0.00
56 P	4-Nitrophenol	0.244	0.261	-7.0	67	0.00
57	2,4-Dinitrotoluene	0.340	0.374	-10.0	65	-0.01
58	Fluorene	1.460	1.566	-7.3	69	0.00
59	2,3,4,6-Tetrachlorophenol	0.424	0.450	-6.1	65	0.00
60	Diethylphthalate	1.563	1.619	-3.6	65	-0.01
61	4-Chlorophenyl-phenylether	0.820	0.874	-6.6	68	0.00
62	4-Nitroaniline	0.293	0.338	-15.4	69	-0.01
63	Azobenzene	1.434	1.556	-8.5	68	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	69	0.00
65	4,6-Dinitro-2-methylphenol	0.079	0.096	-21.5	80	0.00
66 c	n-Nitrosodiphenylamine	0.540	0.566	-4.8	67	0.00
67	4-Bromophenyl-phenylether	0.237	0.250	-5.5	67	0.00
68	Hexachlorobenzene	0.270	0.286	-5.9	68	0.00
69	Atrazine	0.232	0.232	0.0	65	-0.01
70 C	Pentachlorophenol	0.169	0.180	-6.5	69	0.00
71	Phenanthrene	1.094	1.174	-7.3	70	0.00
72	Anthracene	1.113	1.198	-7.6	70	0.00
73	Carbazole	0.981	1.064	-8.5	71	0.00
74	Di-n-butylphthalate	1.134	1.176	-3.7	66	-0.01
75 C	Fluoranthene	1.370	1.518	-10.8	73	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	82	-0.01
77	Benzydine	0.448	0.480	-7.1	81	0.00
78	Pyrene	1.307	1.281	2.0	75	0.00
79 S	Terphenyl-d14	1.060	1.051	0.8	76	-0.01
80	Butylbenzylphthalate	0.395	0.408	-3.3	75	0.00
81	Benzo(a)anthracene	1.326	1.430	-7.8	83	0.00
82	3,3'-Dichlorobenzidine	0.443	0.483	-9.0	83	0.00
83	Chrysene	1.262	1.347	-6.7	82	-0.01
84	Bis(2-ethylhexyl)phthalate	0.590	0.618	-4.7	76	-0.01
85 c	Di-n-octyl phthalate	0.995	1.069	-7.4	81	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	87	-0.01
87	Indeno(1,2,3-cd)pyrene	1.471	1.584	-7.7	88	-0.03
88	Benzo(b)fluoranthene	1.226	1.284	-4.7	84	0.00
89	Benzo(k)fluoranthene	1.227	1.304	-6.3	88	-0.02
90 C	Benzo(a)pyrene	1.127	1.201	-6.6	87	-0.02
91	Dibenzo(a,h)anthracene	1.195	1.292	-8.1	89	-0.04
92	Benzo(g,h,i)perylene	1.471	1.584	-7.7	88	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	71	0.00
2	1,4-Dioxane	40.000	37.877	5.3	68	0.00
3	Pyridine	40.000	37.468	6.3	63	0.00
4	n-Nitrosodimethylamine	40.000	39.595	1.0	67	0.00
5 S	2-Fluorophenol	80.000	83.542	-4.4	69	0.00
6	Aniline	40.000	41.150	-2.9	68	0.00
7 S	Phenol-d6	80.000	81.955	-2.4	67	0.00
8	2-Chlorophenol	40.000	39.939	0.2	65	0.00
9	Benzaldehyde	40.000	39.786	0.5	67	0.00
10 C	Phenol	40.000	41.757	-4.4	69	-0.01
11	bis(2-Chloroethyl)ether	40.000	41.150	-2.9	68	0.00
12	1,3-Dichlorobenzene	40.000	41.539	-3.8	70	0.00
13 C	1,4-Dichlorobenzene	40.000	41.719	-4.3	71	0.00
14	1,2-Dichlorobenzene	40.000	40.967	-2.4	69	0.00
15	Benzyl Alcohol	40.000	38.894	2.8	66	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	44.501	-11.3	74	0.00
17	2-Methylphenol	40.000	40.386	-1.0	65	0.00
18	Hexachloroethane	40.000	43.063	-7.7	73	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	42.830	-7.1	70	-0.01
20	3+4-Methylphenols	40.000	39.590	1.0	66	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22	Acetophenone	40.000	42.627	-6.6	68	-0.01
23 S	Nitrobenzene-d5	80.000	86.691	-8.4	65	0.00
24	Nitrobenzene	40.000	43.241	-8.1	65	0.00
25	Isophorone	40.000	43.526	-8.8	68	-0.01
26 C	2-Nitrophenol	40.000	39.240	1.9	67	0.00
27	2,4-Dimethylphenol	40.000	42.606	-6.5	66	0.00
28	bis(2-Chloroethoxy)methane	40.000	42.920	-7.3	68	0.00
29 C	2,4-Dichlorophenol	40.000	42.166	-5.4	64	0.00
30	1,2,4-Trichlorobenzene	40.000	42.989	-7.5	68	0.00
31	Naphthalene	40.000	42.747	-6.9	69	0.00
32	Benzoic acid	40.000	34.725	13.2	60	-0.05
33	4-Chloroaniline	40.000	42.020	-5.1	67	0.00
34 C	Hexachlorobutadiene	40.000	42.430	-6.1	69	0.00
35	Caprolactam	40.000	39.664	0.8	62	-0.03
36 C	4-Chloro-3-methylphenol	40.000	42.414	-6.0	66	-0.01
37	2-Methylnaphthalene	40.000	42.698	-6.7	69	0.00
38	1-Methylnaphthalene	40.000	42.294	-5.7	68	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	67	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	42.409	-6.0	68	0.00
41 P	Hexachlorocyclopentadiene	40.000	43.286	-8.2	68	0.00
42 S	2,4,6-Tribromophenol	80.000	84.394	-5.5	64	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.468	-6.2	65	0.00
44	2,4,5-Trichlorophenol	40.000	41.754	-4.4	64	0.00
45 S	2-Fluorobiphenyl	80.000	83.896	-4.9	67	0.00
46	1,1'-Biphenyl	40.000	42.521	-6.3	68	0.00
47	2-Chloronaphthalene	40.000	42.561	-6.4	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	36.830	7.9	62	0.00
49	Acenaphthylene	40.000	42.492	-6.2	67	0.00
50	Dimethylphthalate	40.000	41.234	-3.1	64	0.00
51	2,6-Dinitrotoluene	40.000	37.929	5.2	64	0.00
52 C	Acenaphthene	40.000	42.558	-6.4	67	0.00
53	3-Nitroaniline	40.000	44.086	-10.2	66	0.00
54 P	2,4-Dinitrophenol	40.000	43.496	-8.7	77	0.00
55	Dibenzofuran	40.000	42.088	-5.2	67	0.00
56 P	4-Nitrophenol	40.000	42.870	-7.2	67	0.00
57	2,4-Dinitrotoluene	40.000	38.904	2.7	65	-0.01
58	Fluorene	40.000	42.889	-7.2	69	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.494	-6.2	65	0.00
60	Diethylphthalate	40.000	41.444	-3.6	65	-0.01
61	4-Chlorophenyl-phenylether	40.000	42.673	-6.7	68	0.00
62	4-Nitroaniline	40.000	46.150	-15.4	69	-0.01
63	Azobenzene	40.000	43.410	-8.5	68	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	69	0.00
65	4,6-Dinitro-2-methylphenol	40.000	44.112	-10.3	80	0.00
66 c	n-Nitrosodiphenylamine	40.000	41.931	-4.8	67	0.00
67	4-Bromophenyl-phenylether	40.000	42.202	-5.5	67	0.00
68	Hexachlorobenzene	40.000	42.333	-5.8	68	0.00
69	Atrazine	40.000	39.933	0.2	65	-0.01
70 C	Pentachlorophenol	40.000	42.624	-6.6	69	0.00
71	Phenanthrene	40.000	42.940	-7.3	70	0.00
72	Anthracene	40.000	43.088	-7.7	70	0.00
73	Carbazole	40.000	43.381	-8.5	71	0.00
74	Di-n-butylphthalate	40.000	41.476	-3.7	66	-0.01
75 C	Fluoranthene	40.000	44.309	-10.8	73	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	82	-0.01
77	Benzydine	40.000	42.865	-7.2	81	0.00
78	Pyrene	40.000	39.200	2.0	75	0.00
79 S	Terphenyl-d14	80.000	79.314	0.9	76	-0.01
80	Butylbenzylphthalate	40.000	41.284	-3.2	75	0.00
81	Benzo(a)anthracene	40.000	43.127	-7.8	83	0.00
82	3,3'-Dichlorobenzidine	40.000	43.634	-9.1	83	0.00
83	Chrysene	40.000	42.699	-6.7	82	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	41.896	-4.7	76	-0.01
85 c	Di-n-octyl phthalate	40.000	42.989	-7.5	81	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	87	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	43.075	-7.7	88	-0.03
88	Benzo(b)fluoranthene	40.000	41.888	-4.7	84	0.00
89	Benzo(k)fluoranthene	40.000	42.510	-6.3	88	-0.02
90 C	Benzo(a)pyrene	40.000	42.632	-6.6	87	-0.02
91	Dibenzo(a,h)anthracene	40.000	43.228	-8.1	89	-0.04
92	Benzo(g,h,i)perylene	40.000	43.075	-7.7	88	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/29/2025 11:22</u>
Lab File ID:	<u>BG064618.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.266		6.2	
Benzaldehyde	0.893	0.838		-6.2	
Phenol-d6	1.635	1.656		1.3	
Phenol	1.808	1.838		1.7	20.0
bis(2-Chloroethyl)ether	2.225	2.273		2.2	
2-Chlorophenol	1.247	1.377		10.4	
2-Methylphenol	0.674	0.720		6.8	
2,2-oxybis(1-Chloropropane)	3.487	3.674		5.4	
Acetophenone	0.547	0.581		6.2	
3+4-Methylphenols	1.688	1.742		3.2	
n-Nitroso-di-n-propylamine	1.130	1.223	0.050	8.2	
Nitrobenzene-d5	0.333	0.401		20.4	
Hexachloroethane	0.512	0.567		10.7	
Nitrobenzene	0.362	0.429		18.5	
Isophorone	0.799	0.833		4.3	
2-Nitrophenol	0.121	0.168		38.8	20.0
2,4-Dimethylphenol	0.303	0.311		2.6	
bis(2-Chloroethoxy)methane	0.455	0.480		5.5	
2,4-Dichlorophenol	0.320	0.352		10.0	20.0
Naphthalene	1.109	1.159		4.5	
4-Chloroaniline	0.431	0.435		0.9	
Hexachlorobutadiene	0.284	0.322		13.4	20.0
Caprolactam	0.123	0.108		-12.2	
4-Chloro-3-methylphenol	0.384	0.389		1.3	20.0
2-Methylnaphthalene	0.814	0.836		2.7	
Hexachlorocyclopentadiene	0.302	0.400	0.050	32.5	
2,4,6-Trichlorophenol	0.384	0.455		18.5	20.0
2-Fluorobiphenyl	1.319	1.473		11.7	
2,4,5-Trichlorophenol	0.443	0.492		11.1	
1,1-Biphenyl	1.422	1.535		7.9	
2-Chloronaphthalene	1.073	1.175		9.5	
2-Nitroaniline	0.311	0.378		21.5	
Dimethylphthalate	1.530	1.552		1.4	
Acenaphthylene	1.693	1.770		4.5	
2,6-Dinitrotoluene	0.218	0.272		24.8	
3-Nitroaniline	0.263	0.288		9.5	
Acenaphthene	1.157	1.225		5.9	20.0
2,4-Dinitrophenol	0.132	0.164	0.050	24.2	
4-Nitrophenol	0.244	0.241	0.050	-1.2	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02
 Lab Code: ACE SDG No.: Q3419
 Instrument ID: BNA_G Calibration Date/Time: 10/29/2025 11:22
 Lab File ID: BG064618.D Init. Calib. Date(s): 10/24/2025 10/24/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.930		3.2	
2,4-Dinitrotoluene	0.340	0.396		16.5	
Diethylphthalate	1.563	1.507		-3.6	
4-Chlorophenyl-phenylether	0.820	0.840		2.4	
Fluorene	1.460	1.476		1.1	
4-Nitroaniline	0.293	0.306		4.4	
4,6-Dinitro-2-methylphenol	0.079	0.104		31.6	
n-Nitrosodiphenylamine	0.540	0.582		7.8	20.0
2,4,6-Tribromophenol	0.289	0.312		8.0	
4-Bromophenyl-phenylether	0.237	0.262		10.5	
Hexachlorobenzene	0.270	0.300		11.1	
Atrazine	0.232	0.233		0.4	
Pentachlorophenol	0.169	0.189		11.8	20.0
Phenanthrene	1.094	1.132		3.5	
Anthracene	1.113	1.125		1.1	
Carbazole	0.981	0.970		-1.1	
Di-n-butylphthalate	1.135	1.140		0.4	
Fluoranthene	1.370	1.343		-2.0	20.0
Pyrene	1.307	1.322		1.1	
Terphenyl-d14	1.060	1.074		1.3	
Butylbenzylphthalate	0.395	0.462		17.0	
3,3-Dichlorobenzidine	0.443	0.484		9.3	
Benzo (a) anthracene	1.326	1.395		5.2	
Chrysene	1.262	1.298		2.9	
Bis (2-ethylhexyl) phthalate	0.590	0.671		13.7	
Di-n-octyl phthalate	0.995	1.203		20.9	20.0
Benzo (b) fluoranthene	1.226	1.236		0.8	
Benzo (k) fluoranthene	1.227	1.235		0.7	
Benzo (a) pyrene	1.127	1.157		2.7	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.519		3.3	
Dibenzo (a,h) anthracene	1.195	1.241		3.8	
Benzo (g,h,i) perylene	1.471	1.519		3.3	
1,2,4,5-Tetrachlorobenzene	0.671	0.754		12.4	
1,4-Dioxane	0.528	0.560		6.1	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.469		10.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	36613	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	148961	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	108882	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	241683	20.000	ng	0.00
76) Chrysene-d12	21.854	240	261016	20.000	ng	0.00
86) Perylene-d12	25.197	264	298207	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	185390	84.991	ng	0.00
7) Phenol-d6	7.353	99	242475	81.009	ng	0.00
23) Nitrobenzene-d5	9.380	82	238914	96.333	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	135782	86.403	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	641606	89.318	ng	0.00
79) Terphenyl-d14	20.168	244	1121232	81.066	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.587	88	41038	42.495	ng	97
3) Pyridine	3.998	79	118806	40.966	ng	97
4) n-Nitrosodimethylamine	3.904	42	63036	40.532	ng	100
6) Aniline	7.529	93	166421	40.860	ng	98
8) 2-Chlorophenol	7.776	128	100847	44.170	ng	99
9) Benzaldehyde	7.341	77	61374	37.558	ng	96
10) Phenol	7.377	94	134608	40.664	ng	96
11) bis(2-Chloroethyl)ether	7.529	93	166421	40.860	ng	97
12) 1,3-Dichlorobenzene	8.111	146	113188	43.073	ng	98
13) 1,4-Dichlorobenzene	8.258	146	113697	42.552	ng	98
14) 1,2-Dichlorobenzene	8.575	146	111091	43.105	ng	98
15) Benzyl Alcohol	8.446	79	104162	42.201	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.740	45	269007	42.138	ng	98
17) 2-Methylphenol	8.446	107	52746	42.752	ng	94
18) Hexachloroethane	9.321	117	41522	44.282	ng	95
19) n-Nitroso-di-n-propyla...	9.022	70	89519	43.275	ng	97
20) 3+4-Methylphenols	8.975	107	127586	41.279	ng	99
22) Acetophenone	9.039	105	173153	42.523	ng	# 97
24) Nitrobenzene	9.427	77	127739	47.355	ng	97
25) Isophorone	9.956	82	248133	41.695	ng	99
26) 2-Nitrophenol	10.144	139	49935	47.979	ng	96
27) 2,4-Dimethylphenol	10.191	122	92582	41.002	ng	93
28) bis(2-Chloroethoxy)met...	10.432	93	142887	42.170	ng	99
29) 2,4-Dichlorophenol	10.679	162	104960	44.058	ng	95
30) 1,2,4-Trichlorobenzene	10.902	180	118900	43.927	ng	96
31) Naphthalene	11.096	128	345379	41.819	ng	99
32) Benzoic acid	10.309	122	60590	38.781	ng	96
33) 4-Chloroaniline	11.184	127	129600	40.373	ng	98
34) Hexachlorobutadiene	11.384	225	95906	45.306	ng	98
35) Caprolactam	11.948	113	32311	35.362	ng	91
36) 4-Chloro-3-methylphenol	12.289	107	115865	40.462	ng	98
37) 2-Methylnaphthalene	12.688	142	249124	41.085	ng	98
38) 1-Methylnaphthalene	12.900	142	245754	41.190	ng	95
40) 1,2,4,5-Tetrachloroben...	13.047	216	164299	44.962	ng	100
41) Hexachlorocyclopentadiene	13.035	237	87148	52.985	ng	99
43) 2,4,6-Trichlorophenol	13.276	196	99057	47.391	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	107132	44.415	ng	96
46) 1,1'-Biphenyl	13.681	154	334243	43.180	ng	98
47) 2-Chloronaphthalene	13.728	162	255946	43.804	ng	98
48) 2-Nitroaniline	13.910	65	82275	42.351	ng	96
49) Acenaphthylene	14.562	152	385513	41.830	ng	99
50) Dimethylphthalate	14.280	163	338032	40.572	ng	99
51) 2,6-Dinitrotoluene	14.398	165	59140	43.351	ng	97
52) Acenaphthene	14.903	154	266835	42.377	ng	96
53) 3-Nitroaniline	14.721	138	62676	43.773	ng	97
54) 2,4-Dinitrophenol	14.927	184	35680	44.922	ng #	58
55) Dibenzofuran	15.238	168	420237	41.281	ng	99
56) 4-Nitrophenol	15.015	139	52490	39.540	ng	94
57) 2,4-Dinitrotoluene	15.179	165	86302	41.073	ng #	99
58) Fluorene	15.884	166	321438	40.432	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	102176	44.298	ng	99
60) Diethylphthalate	15.644	149	328215	38.582	ng	99
61) 4-Chlorophenyl-phenyle...	15.873	204	182832	40.979	ng	99
62) 4-Nitroaniline	15.884	138	66563	41.786	ng	99
63) Azobenzene	16.161	77	305844	39.183	ng	99
65) 4,6-Dinitro-2-methylph...	15.943	198	50385	47.448	ng	91
66) n-Nitrosodiphenylamine	16.078	169	281278	43.085	ng	98
67) 4-Bromophenyl-phenylether	16.766	248	126485	44.163	ng	98
68) Hexachlorobenzene	16.889	284	145122	44.415	ng	96
69) Atrazine	17.018	200	112465	40.031	ng	96
70) Pentachlorophenol	17.224	266	91563	44.939	ng	94
71) Phenanthrene	17.618	178	547128	41.397	ng	99
72) Anthracene	17.712	178	543644	40.436	ng	99
73) Carbazole	17.970	167	468954	39.556	ng	99
74) Di-n-butylphthalate	18.528	149	550901	40.184	ng	100
75) Fluoranthene	19.615	202	648927	39.193	ng	98
77) Benzidine	19.780	184	265517	45.404	ng	99
78) Pyrene	19.974	202	690102	40.467	ng	99
80) Butylbenzylphthalate	20.849	149	241218	46.801	ng	96
81) Benzo(a)anthracene	21.836	228	728489	42.093	ng	100
82) 3,3'-Dichlorobenzidine	21.736	252	252767	43.737	ng	98
83) Chrysene	21.901	228	677717	41.154	ng	99
84) Bis(2-ethylhexyl)phtha...	21.742	149	350537	45.515	ng	96
85) Di-n-octyl phthalate	23.000	149	627808	48.350	ng	99
87) Indeno(1,2,3-cd)pyrene	29.040	276	906170	41.308	ng	98
88) Benzo(b)fluoranthene	24.134	252	736965	40.302	ng	99
89) Benzo(k)fluoranthene	24.210	252	736695	40.260	ng	99
90) Benzo(a)pyrene	25.038	252	690279	41.067	ng	100
91) Dibenzo(a,h)anthracene	29.104	278	740147	41.529	ng	99
92) Benzo(g,h,i)perylene	29.040	276	906170	41.308	ng	99

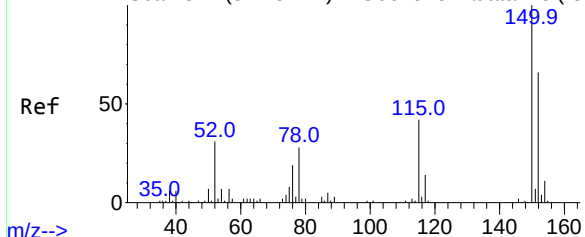
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

- 1
- 2
- 3
- 4
- 5
- 6
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- 9
- 10
- 11**
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- 15
- 16
- 17
- 18



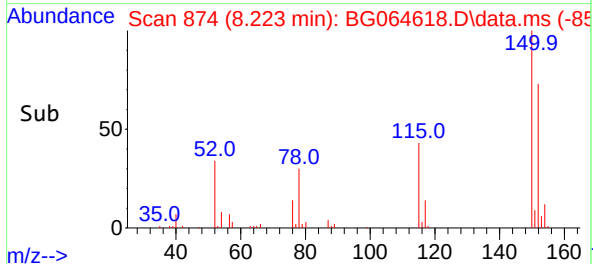
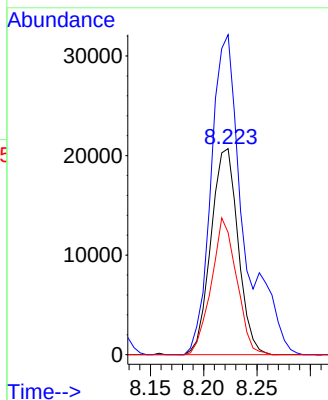
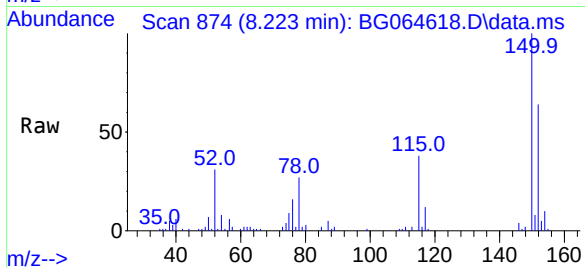
Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86



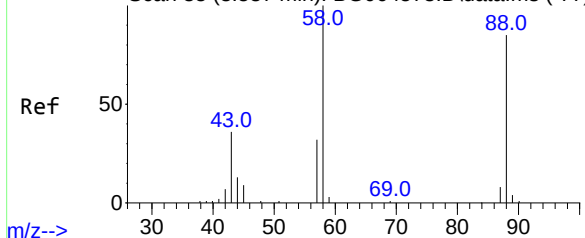
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.223 min Scan# 81
 Delta R.T. 0.002 min
 Lab File: BG064618.D
 Acq: 29 Oct 2025 11:22

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Tgt Ion:152 Resp: 36613
 Ion Ratio Lower Upper
 152 100
 150 155.3 122.2 183.4
 115 59.3 50.8 76.2

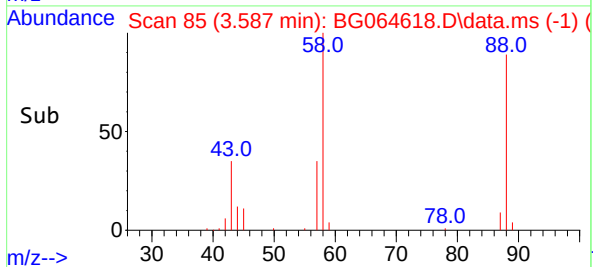
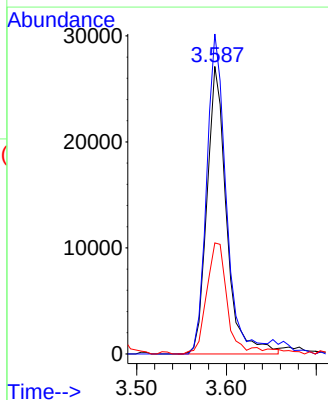
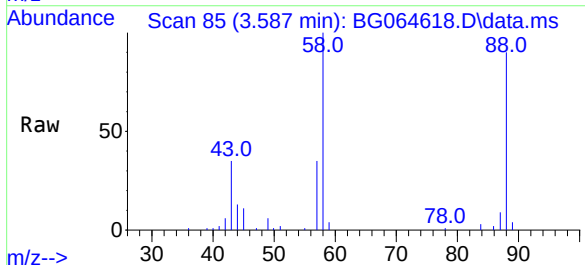


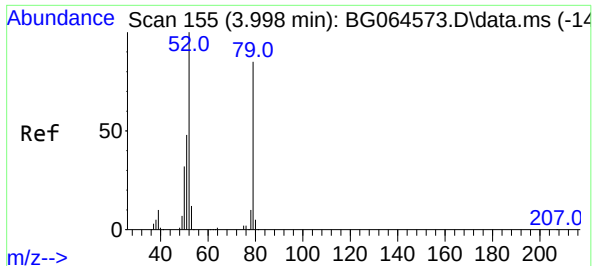
Abundance Scan 85 (3.587 min): BG064573.D\data.ms (-77)



#2
 1,4-Dioxane
 Concen: 42.495 ng
 RT: 3.587 min Scan# 85
 Delta R.T. -0.004 min
 Lab File: BG064618.D
 Acq: 29 Oct 2025 11:22

Tgt Ion: 88 Resp: 41038
 Ion Ratio Lower Upper
 88 100
 58 110.9 92.4 138.6
 43 40.4 33.0 49.6

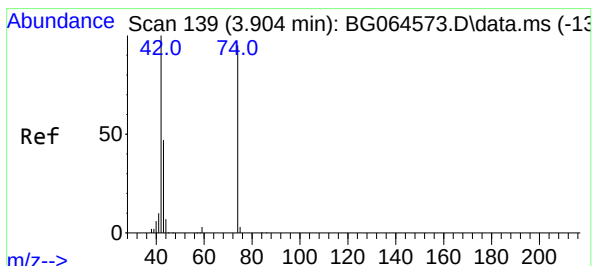
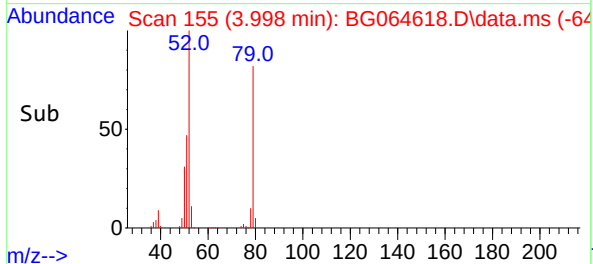
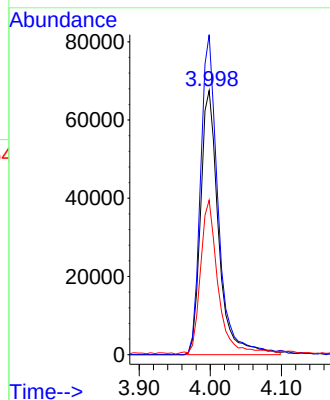
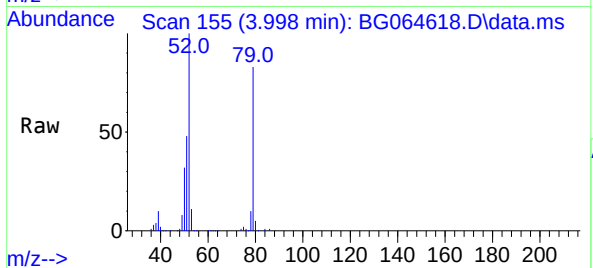




#3
Pyridine
Concen: 40.966 ng
RT: 3.998 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

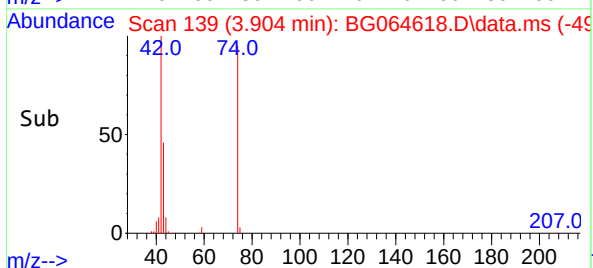
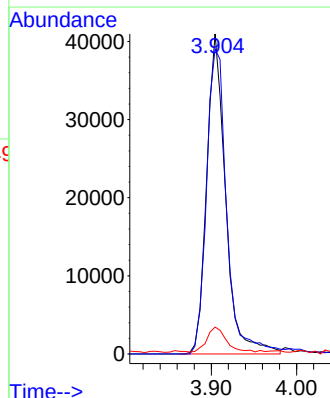
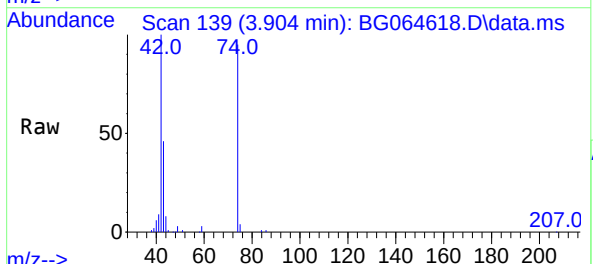
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

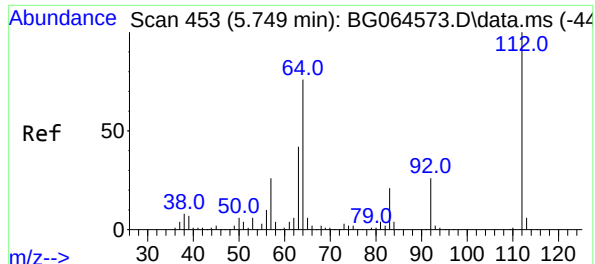
Tgt Ion: 79 Resp: 118806
Ion Ratio Lower Upper
79 100
52 121.2 94.2 141.2
51 58.5 46.1 69.1



#4
n-Nitrosodimethylamine
Concen: 40.532 ng
RT: 3.904 min Scan# 139
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 42 Resp: 63036
Ion Ratio Lower Upper
42 100
74 95.4 76.1 114.1
44 8.4 6.3 9.5

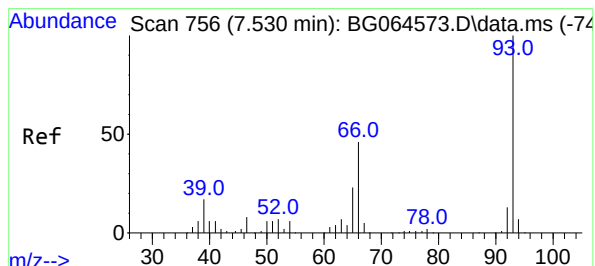
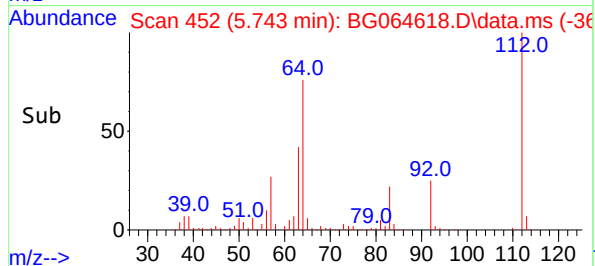
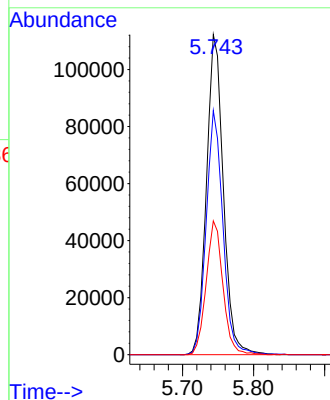
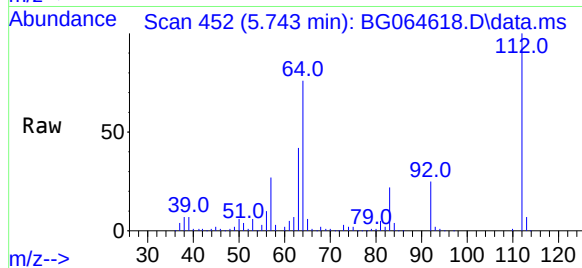




#5
2-Fluorophenol
Concen: 84.991 ng
RT: 5.743 min Scan# 411
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

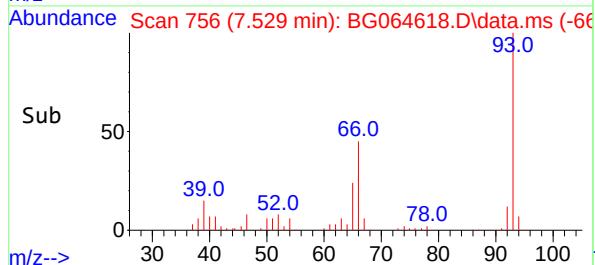
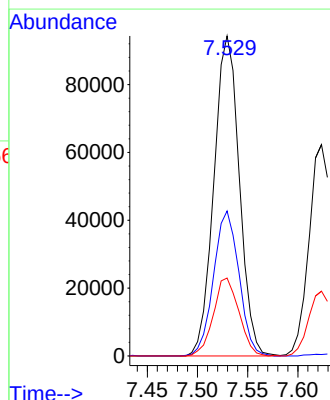
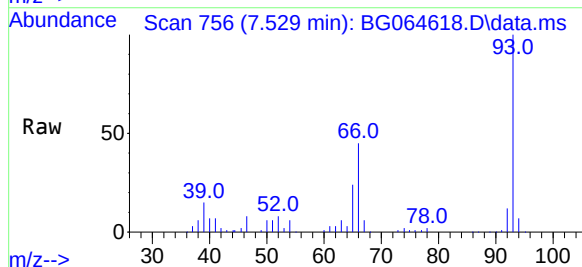
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 185390
Ion Ratio Lower Upper
112 100
64 76.3 60.7 91.1
63 41.8 33.4 50.0

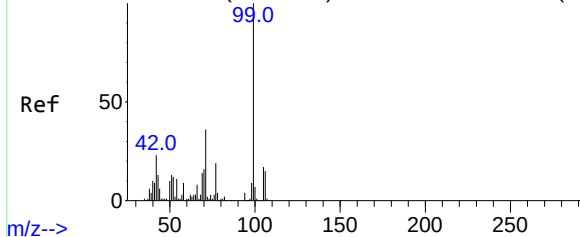


#6
Aniline
Concen: 40.860 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 93 Resp: 166421
Ion Ratio Lower Upper
93 100
66 45.3 37.0 55.6
65 24.3 18.3 27.5

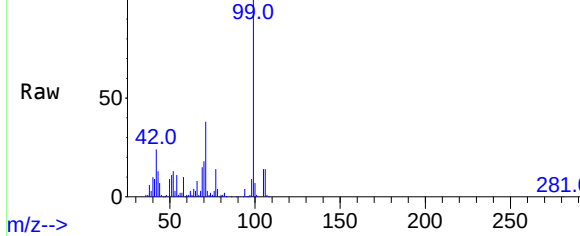


Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



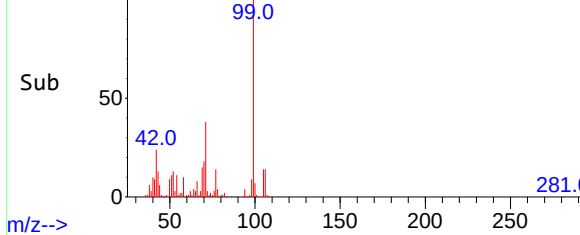
m/z-->

Abundance Scan 726 (7.353 min): BG064618.D\data.ms



m/z-->

Abundance Scan 726 (7.353 min): BG064618.D\data.ms (-63



m/z-->

#7

Phenol-d6

Concen: 81.009 ng

RT: 7.353 min Scan# 71

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion: 99 Resp: 242475

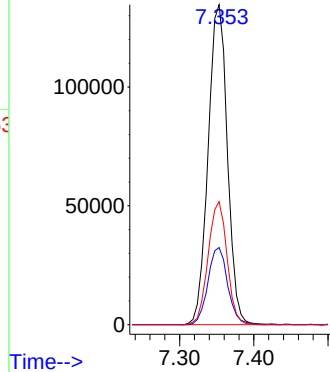
Ion Ratio Lower Upper

99 100

42 24.1 18.3 27.5

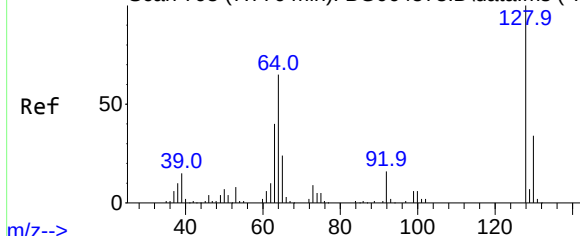
71 38.5 28.6 43.0

Abundance



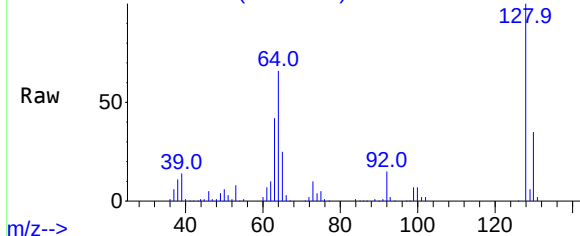
Time-->

Abundance Scan 798 (7.776 min): BG064573.D\data.ms (-79



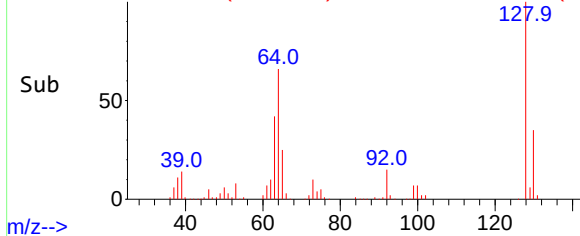
m/z-->

Abundance Scan 798 (7.776 min): BG064618.D\data.ms



m/z-->

Abundance Scan 798 (7.776 min): BG064618.D\data.ms (-70



m/z-->

#8

2-Chlorophenol

Concen: 44.170 ng

RT: 7.776 min Scan# 798

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Tgt Ion: 128 Resp: 100847

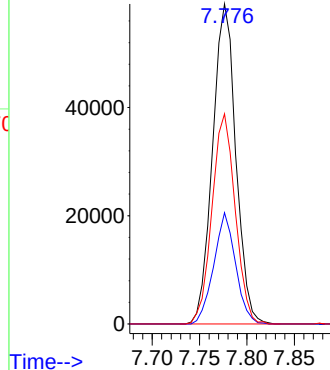
Ion Ratio Lower Upper

128 100

130 34.8 13.5 53.5

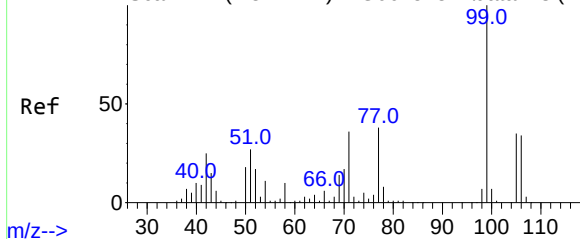
64 65.7 45.2 85.2

Abundance



Time-->

Abundance Scan 724 (7.342 min): BG064573.D\data.ms (-71



#9

Benzaldehyde

Concen: 37.558 ng

RT: 7.341 min Scan# 71

Delta R.T. 0.002 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

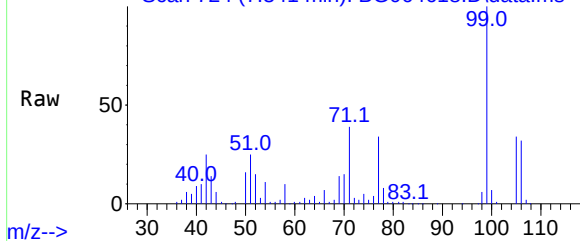
Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Abundance Scan 724 (7.341 min): BG064618.D\data.ms



Tgt Ion: 77 Resp: 61374

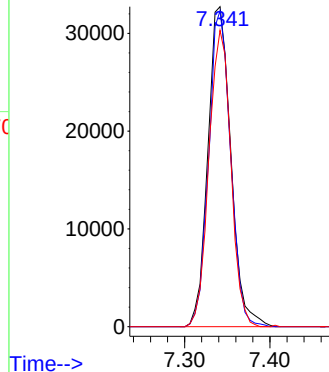
Ion Ratio Lower Upper

77 100

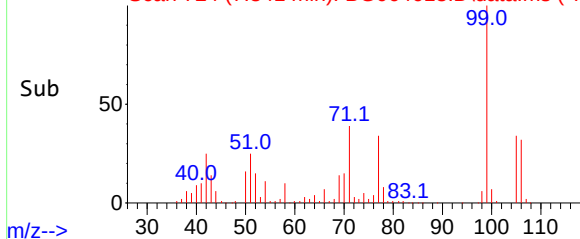
105 98.7 72.9 112.9

106 92.6 70.8 110.8

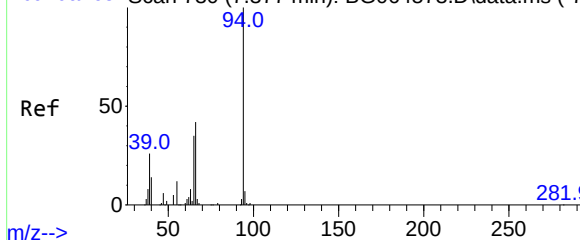
Abundance



Abundance Scan 724 (7.341 min): BG064618.D\data.ms (-70



Abundance Scan 730 (7.377 min): BG064573.D\data.ms (-72



#10

Phenol

Concen: 40.664 ng

RT: 7.377 min Scan# 730

Delta R.T. -0.009 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Tgt Ion: 94 Resp: 134608

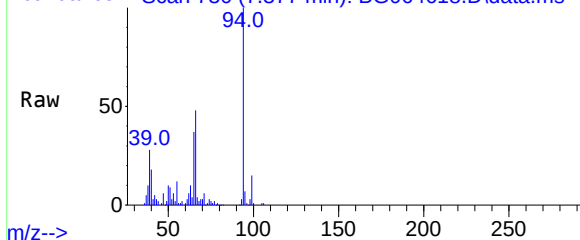
Ion Ratio Lower Upper

94 100

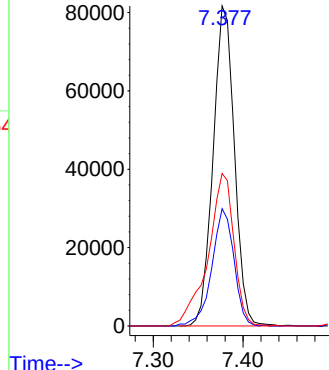
65 36.7 15.8 55.8

66 47.6 24.0 64.0

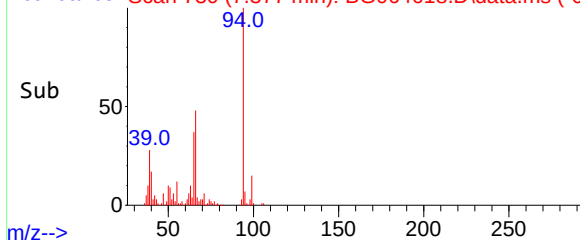
Abundance Scan 730 (7.377 min): BG064618.D\data.ms



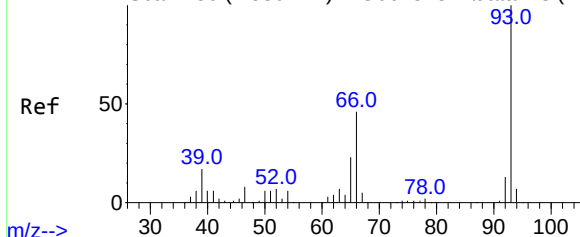
Abundance



Abundance Scan 730 (7.377 min): BG064618.D\data.ms (-64



Abundance Scan 756 (7.530 min): BG064573.D\data.ms (-74

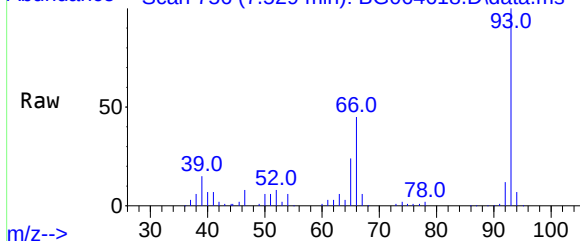


#11
bis(2-Chloroethyl)ether
Concen: 40.860 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

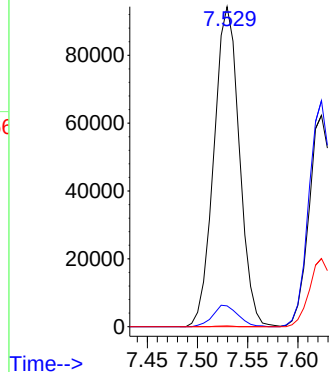
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 166421
Ion Ratio Lower Upper
93 100
63 6.5 0.0 27.4
95 0.2 0.0 20.2

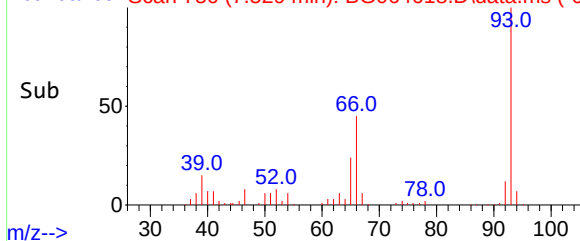
Abundance Scan 756 (7.529 min): BG064618.D\data.ms



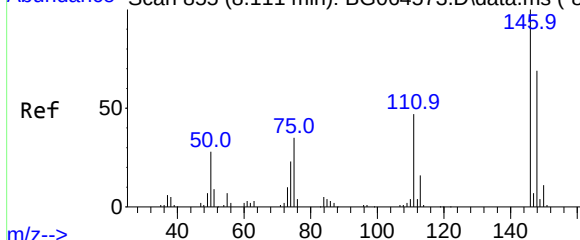
Abundance



Abundance Scan 756 (7.529 min): BG064618.D\data.ms (-66



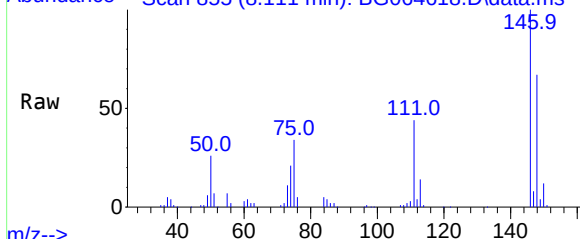
Abundance Scan 855 (8.111 min): BG064573.D\data.ms (-84



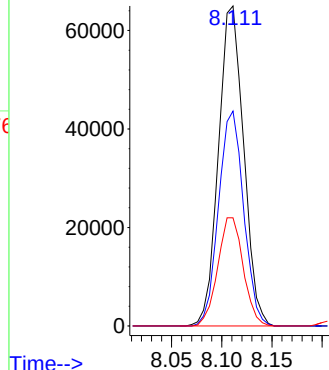
#12
1,3-Dichlorobenzene
Concen: 43.073 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 146 Resp: 113188
Ion Ratio Lower Upper
146 100
148 67.1 55.3 82.9
75 33.8 28.2 42.2

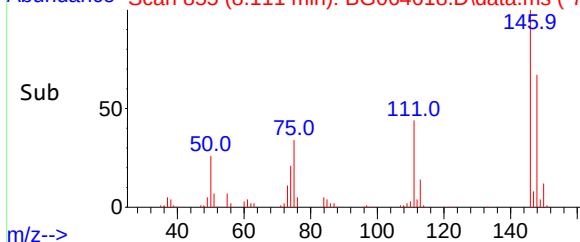
Abundance Scan 855 (8.111 min): BG064618.D\data.ms



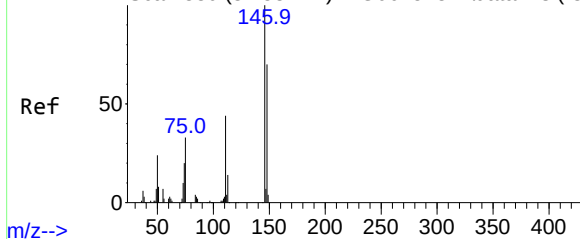
Abundance



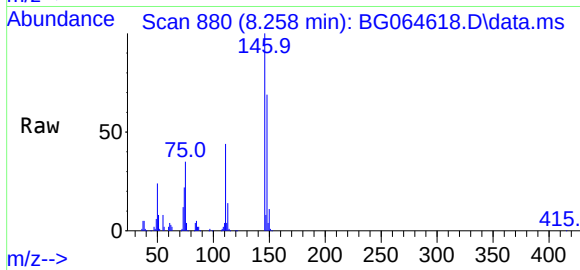
Abundance Scan 855 (8.111 min): BG064618.D\data.ms (-76



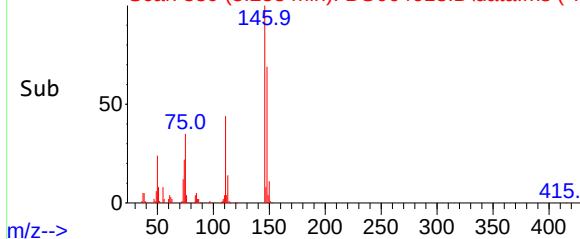
Abundance Scan 880 (8.258 min): BG064573.D\data.ms (-87



m/z-->



Abundance Scan 880 (8.258 min): BG064618.D\data.ms (-78



m/z-->

#13

1,4-Dichlorobenzene

Concen: 42.552 ng

RT: 8.258 min Scan# 880

Delta R.T. 0.002 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 113697

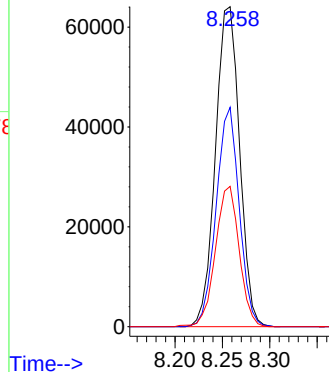
Ion Ratio Lower Upper

146 100

148 68.5 56.2 84.4

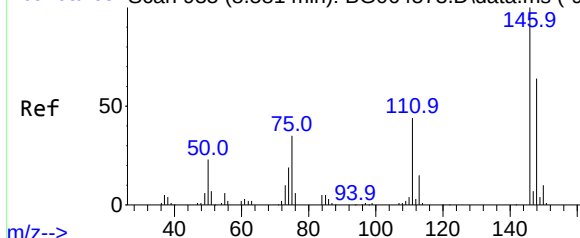
111 43.9 35.4 53.0

Abundance

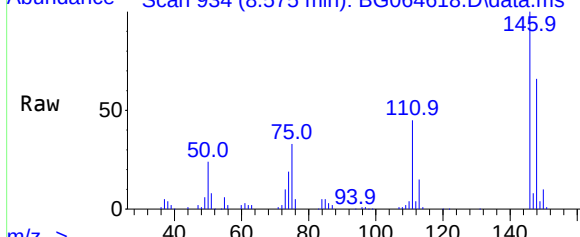


Time-->

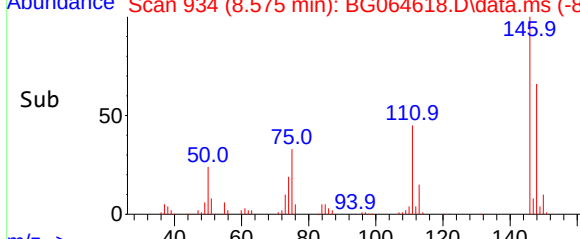
Abundance Scan 935 (8.581 min): BG064573.D\data.ms (-92



m/z-->



Abundance Scan 934 (8.575 min): BG064618.D\data.ms (-84



m/z-->

#14

1,2-Dichlorobenzene

Concen: 43.105 ng

RT: 8.575 min Scan# 934

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Tgt Ion:146 Resp: 111091

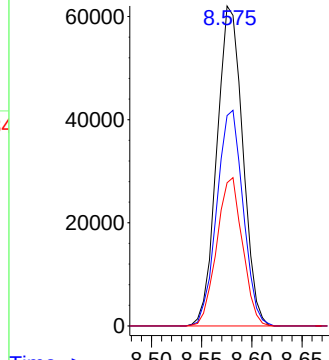
Ion Ratio Lower Upper

146 100

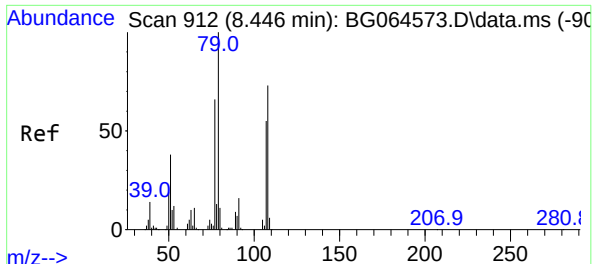
148 65.8 51.5 77.3

111 44.8 35.0 52.6

Abundance



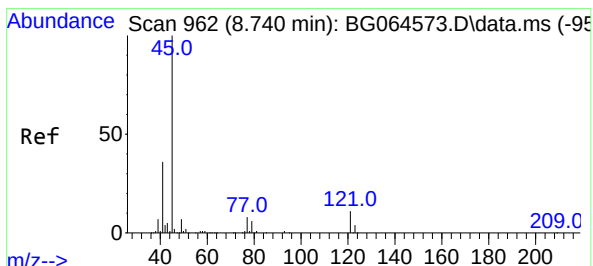
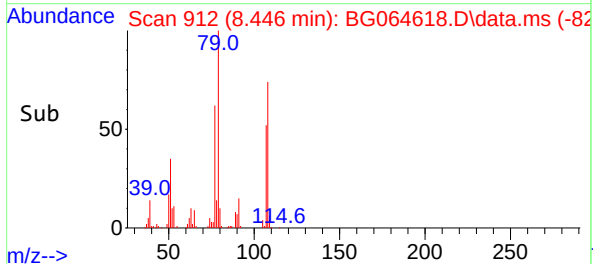
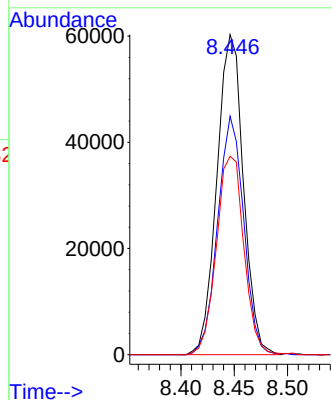
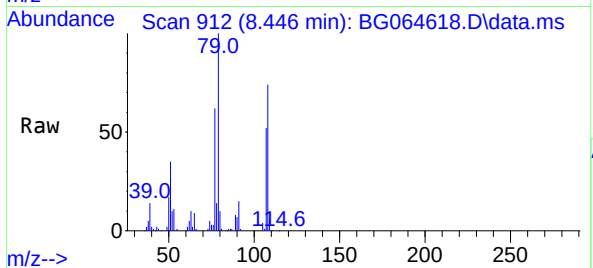
Time-->



#15
Benzyl Alcohol
Concen: 42.201 ng
RT: 8.446 min Scan# 912
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

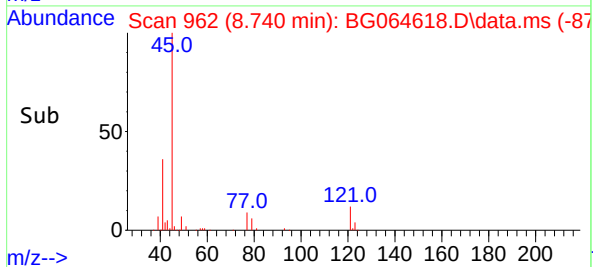
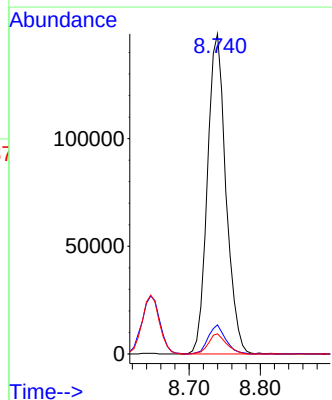
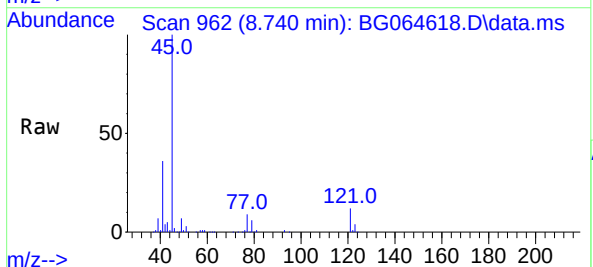
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

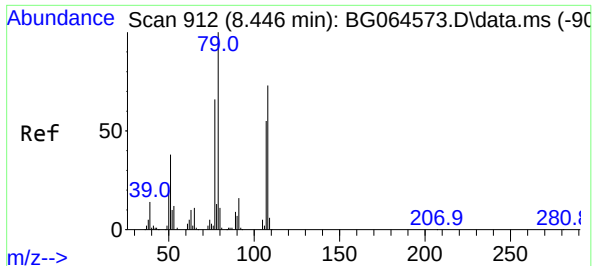
Tgt Ion: 79 Resp: 104162
Ion Ratio Lower Upper
79 100
108 74.5 58.1 87.1
77 62.0 52.8 79.2



#16
2,2'-oxybis(1-chloropropane)
Concen: 42.138 ng
RT: 8.740 min Scan# 962
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 45 Resp: 269007
Ion Ratio Lower Upper
45 100
77 9.1 0.0 28.5
79 6.3 0.0 25.6





#17

2-Methylphenol

Concen: 42.752 ng

RT: 8.446 min Scan# 912

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 52746

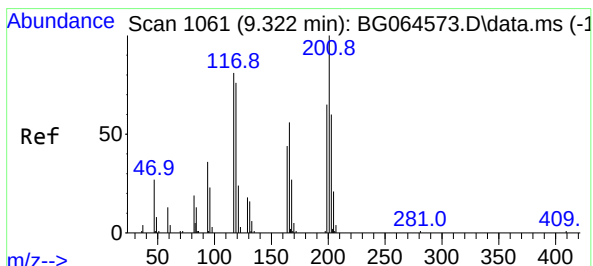
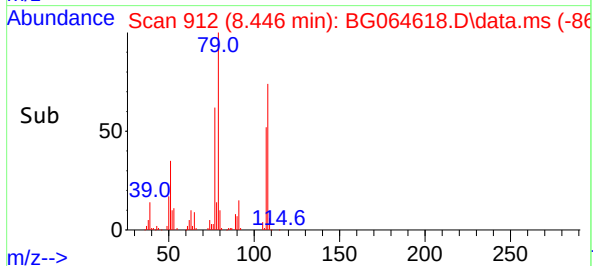
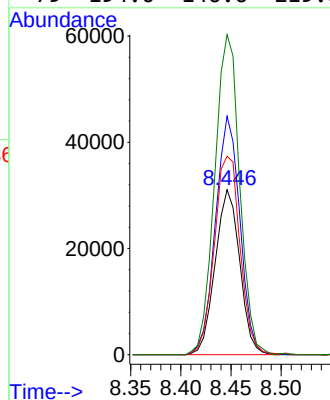
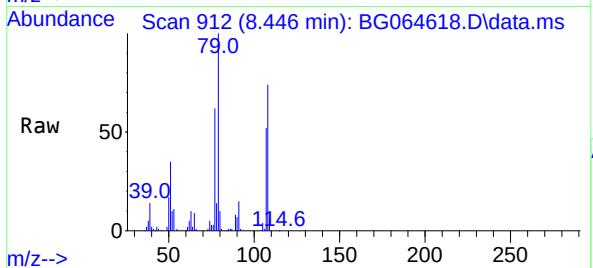
Ion Ratio Lower Upper

107 100

108 144.5 106.4 159.6

77 120.3 96.7 145.1

79 194.0 146.6 219.8



#18

Hexachloroethane

Concen: 44.282 ng

RT: 9.321 min Scan# 1061

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

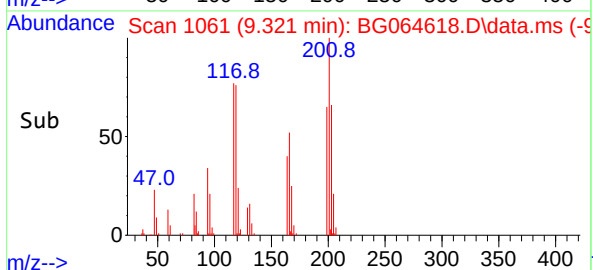
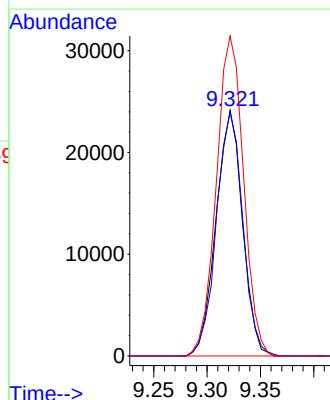
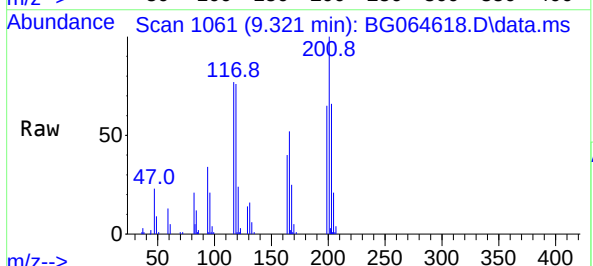
Tgt Ion:117 Resp: 41522

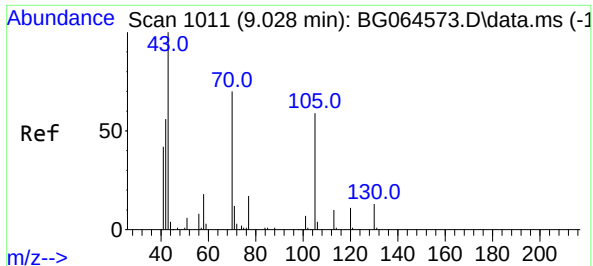
Ion Ratio Lower Upper

117 100

119 99.2 75.4 113.2

201 130.3 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 43.275 ng

RT: 9.022 min Scan# 1011

Delta R.T. -0.009 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 89519

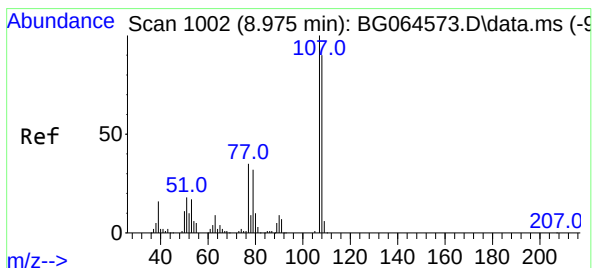
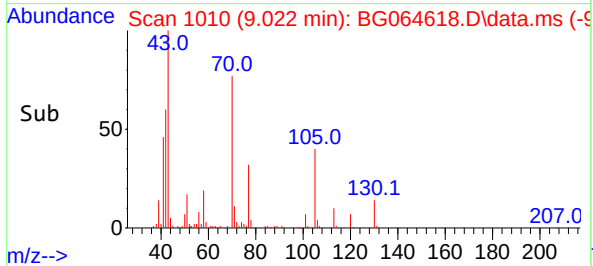
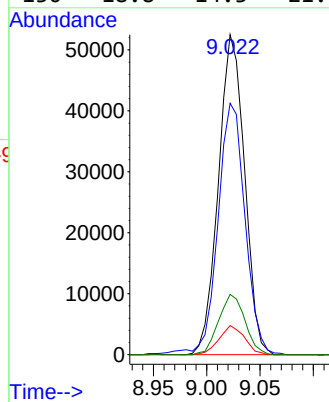
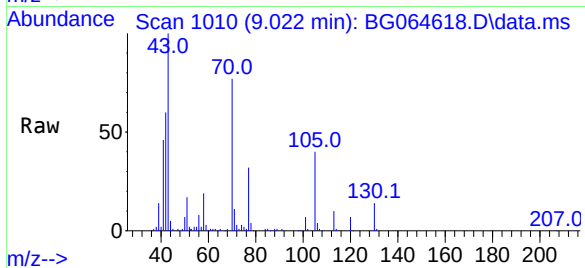
Ion Ratio Lower Upper

70 100

42 78.6 65.2 97.8

101 9.1 7.9 11.9

130 18.8 14.3 21.5



#20

3+4-Methylphenols

Concen: 41.279 ng

RT: 8.975 min Scan# 1002

Delta R.T. -0.010 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Tgt Ion: 107 Resp: 127586

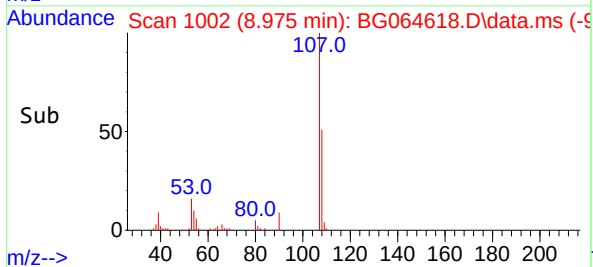
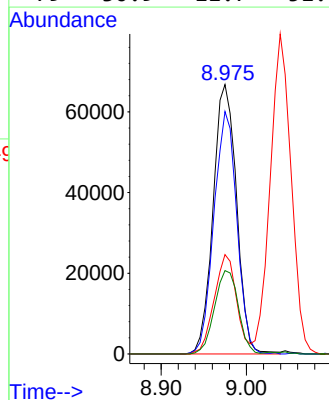
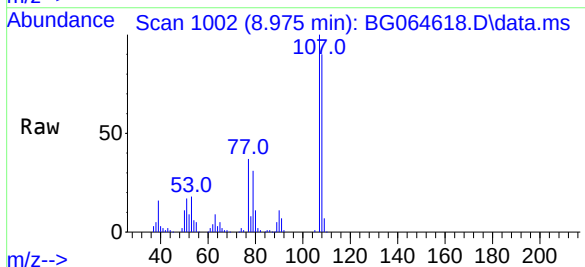
Ion Ratio Lower Upper

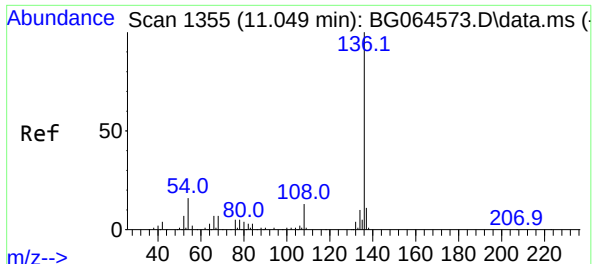
107 100

108 90.0 70.3 110.3

77 36.9 14.6 54.6

79 30.9 11.7 51.7



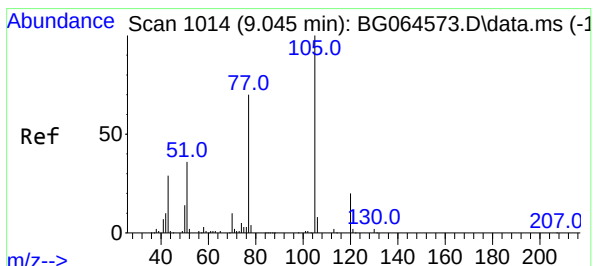
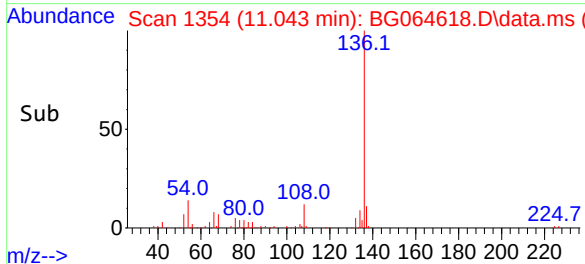
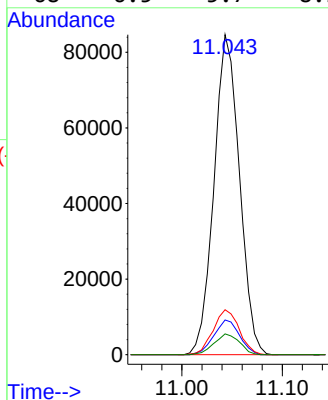
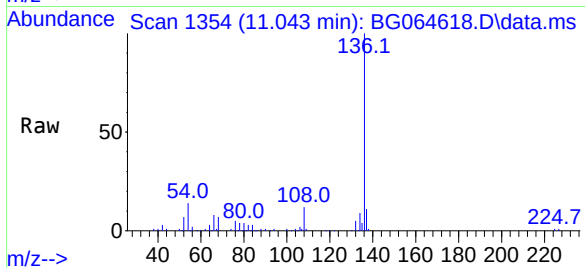


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 148961

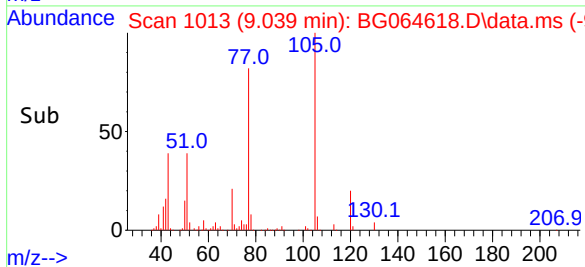
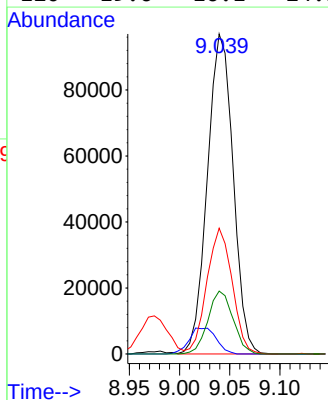
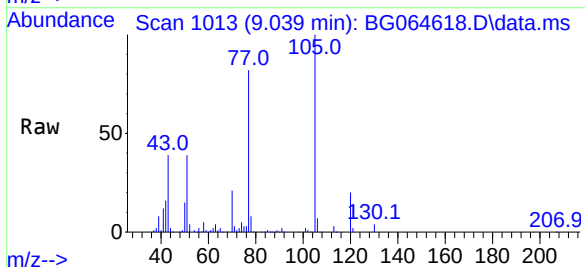
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	14.0	12.6	19.0
68	6.5	5.7	8.5

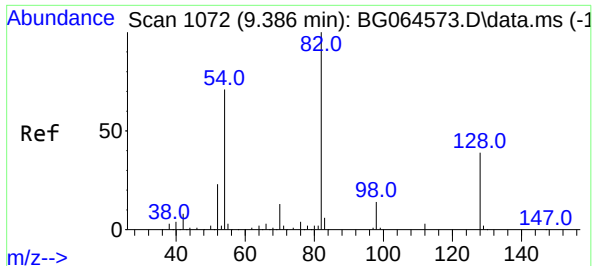


#22
Acetophenone
Concen: 42.523 ng
RT: 9.039 min Scan# 1013
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:105 Resp: 173153

Ion	Ratio	Lower	Upper
105	100		
71	3.5	1.5	2.3#
51	39.3	33.7	50.5
120	19.6	16.1	24.1





#23

Nitrobenzene-d5

Concen: 96.333 ng

RT: 9.380 min Scan# 1072

Delta R.T. -0.010 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

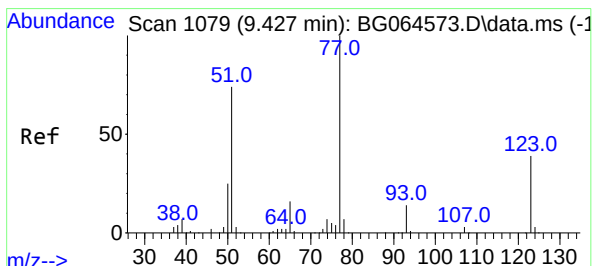
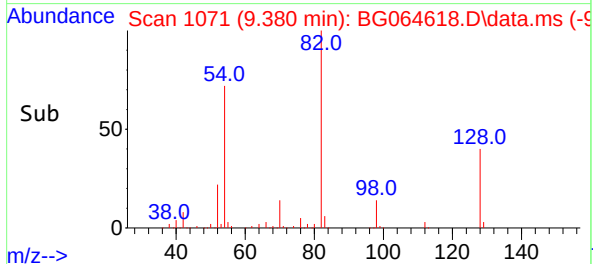
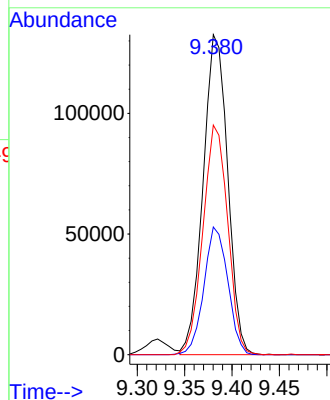
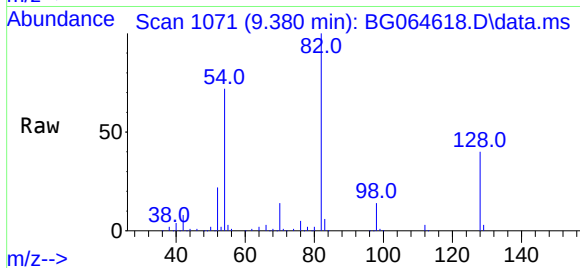
BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 238914

Ion	Ratio	Lower	Upper
82	100		
128	39.9	31.3	46.9
54	71.7	56.6	84.8



#24

Nitrobenzene

Concen: 47.355 ng

RT: 9.427 min Scan# 1079

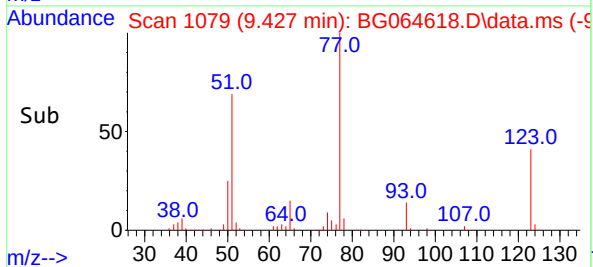
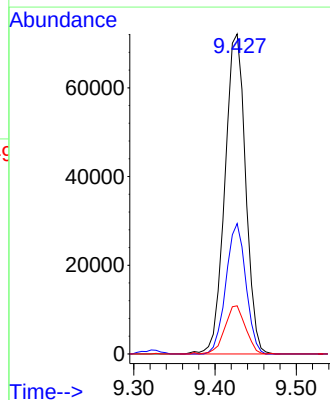
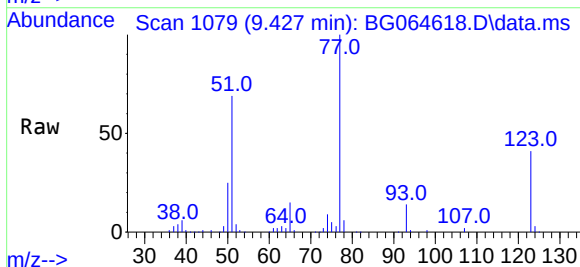
Delta R.T. -0.004 min

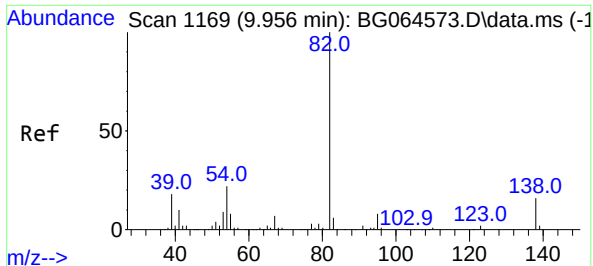
Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Tgt Ion: 77 Resp: 127739

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	15.0	12.7	19.1

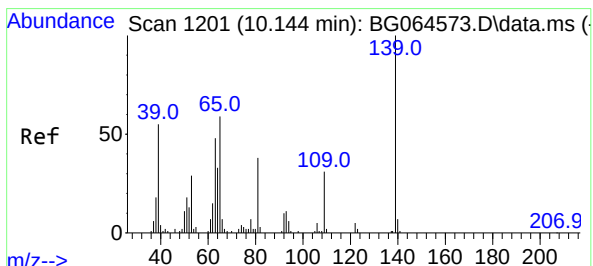
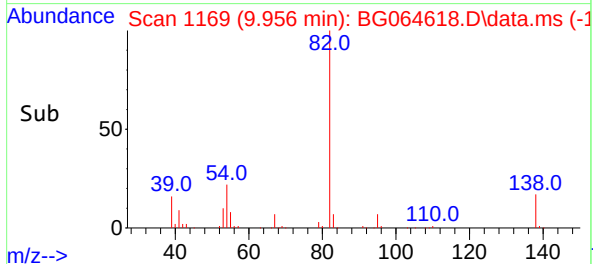
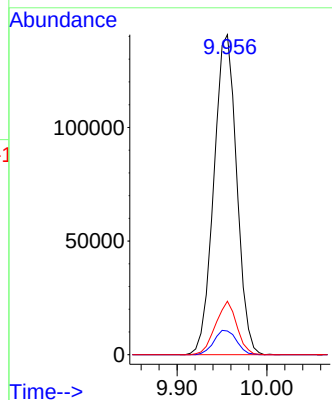
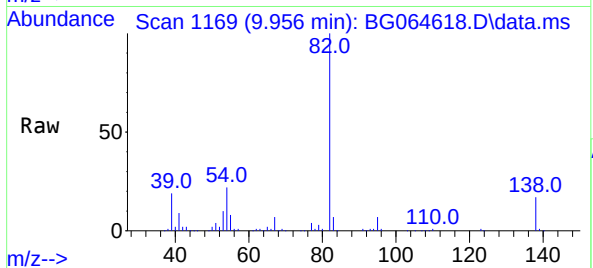




#25
Isophorone
Concen: 41.695 ng
RT: 9.956 min Scan# 1169
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

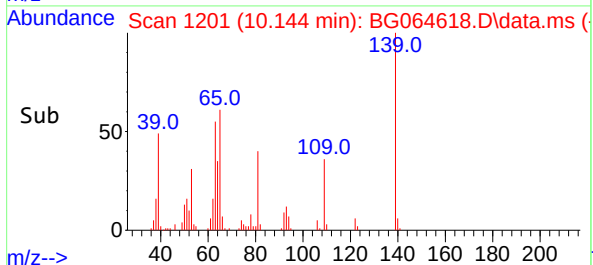
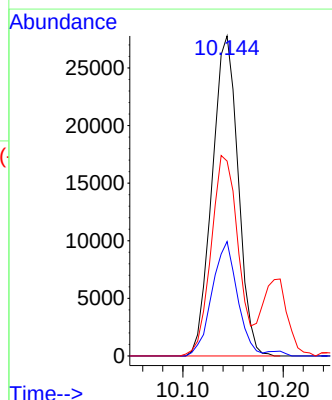
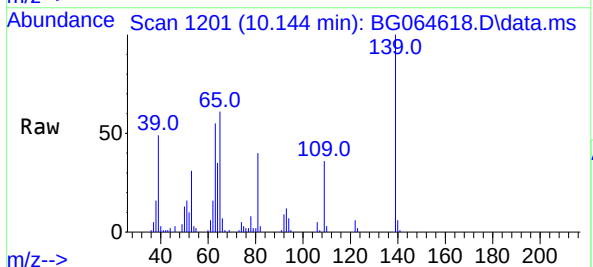
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

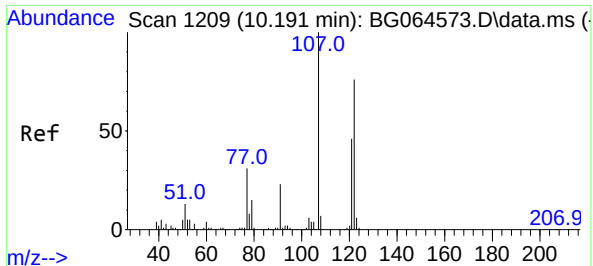
Tgt Ion: 82 Resp: 248133
Ion Ratio Lower Upper
82 100
95 7.4 6.1 9.1
138 16.7 13.0 19.4



#26
2-Nitrophenol
Concen: 47.979 ng
RT: 10.144 min Scan# 1201
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 139 Resp: 49935
Ion Ratio Lower Upper
139 100
109 35.8 24.6 37.0
65 60.9 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 41.002 ng

RT: 10.191 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

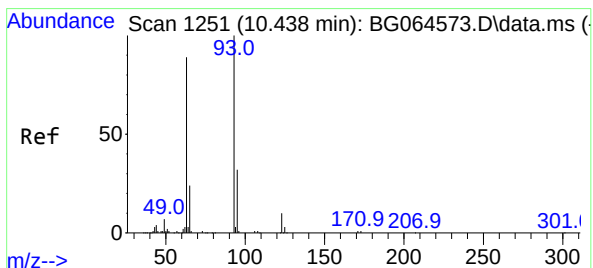
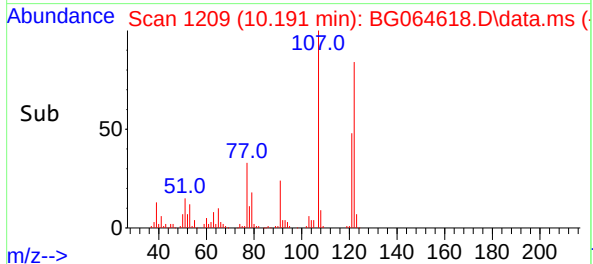
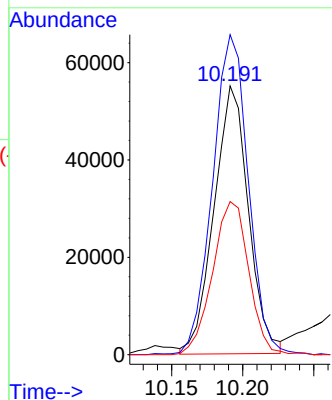
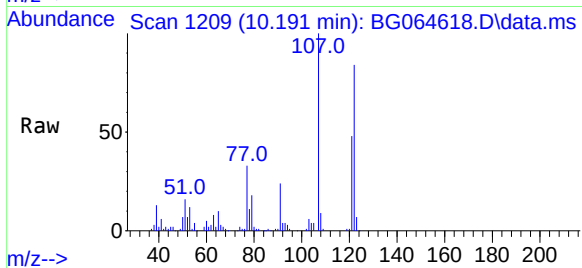
Tgt Ion:122 Resp: 92582

Ion Ratio Lower Upper

122 100

107 119.1 103.0 154.4

121 57.0 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 42.170 ng

RT: 10.432 min Scan# 1250

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

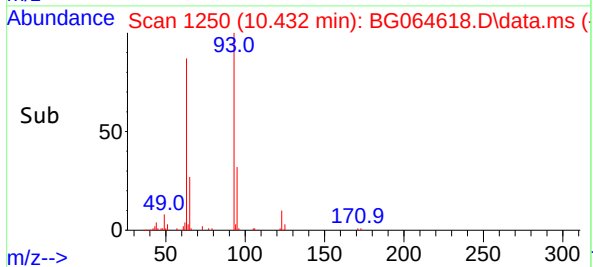
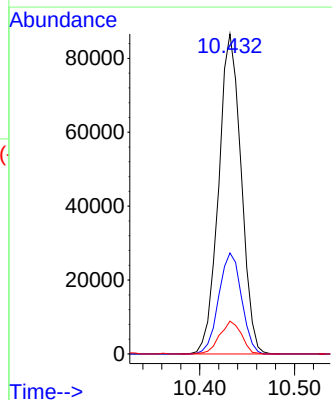
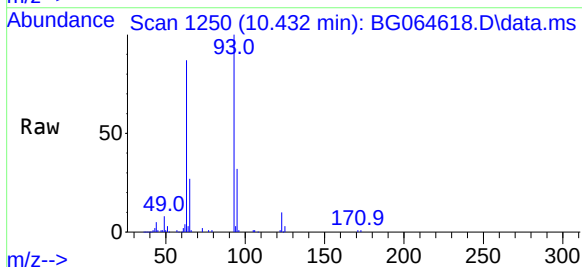
Tgt Ion: 93 Resp: 142887

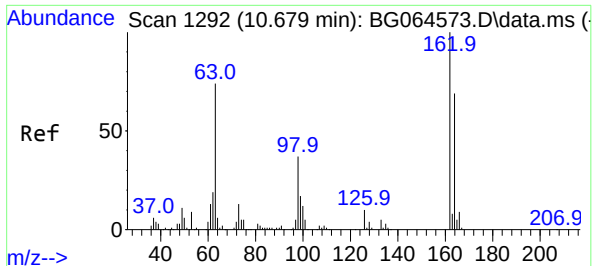
Ion Ratio Lower Upper

93 100

95 31.6 25.4 38.2

123 10.2 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 44.058 ng

RT: 10.679 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

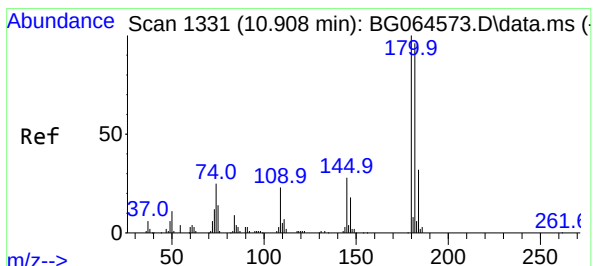
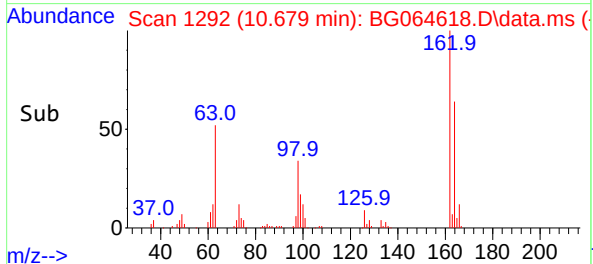
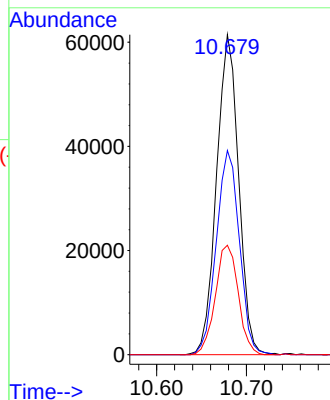
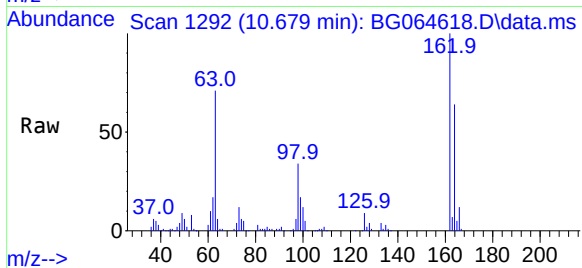
Tgt Ion:162 Resp: 104960

Ion Ratio Lower Upper

162 100

164 63.8 48.7 88.7

98 34.2 16.9 56.9



#30

1,2,4-Trichlorobenzene

Concen: 43.927 ng

RT: 10.902 min Scan# 1330

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

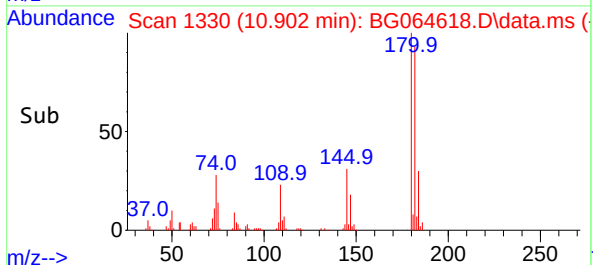
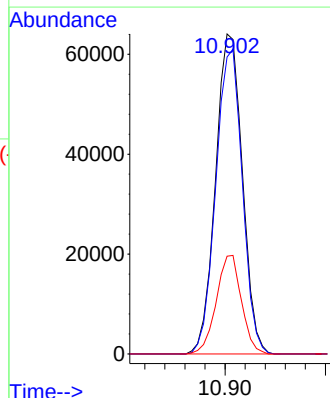
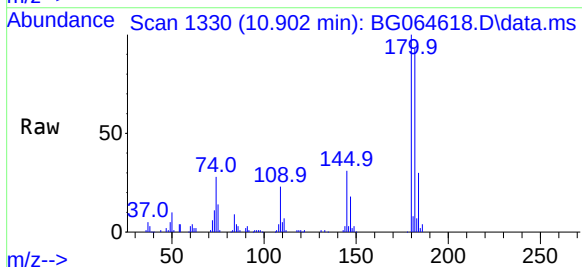
Tgt Ion:180 Resp: 118900

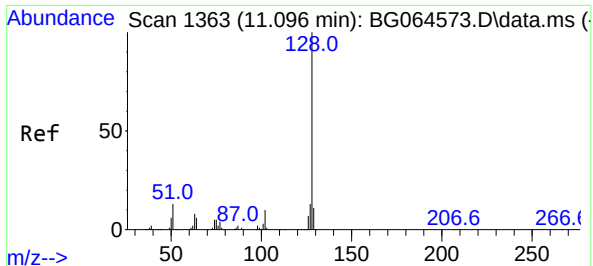
Ion Ratio Lower Upper

180 100

182 92.8 76.9 115.3

145 30.5 22.1 33.1





#31

Naphthalene

Concen: 41.819 ng

RT: 11.096 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

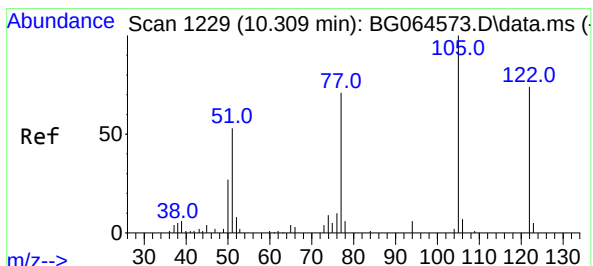
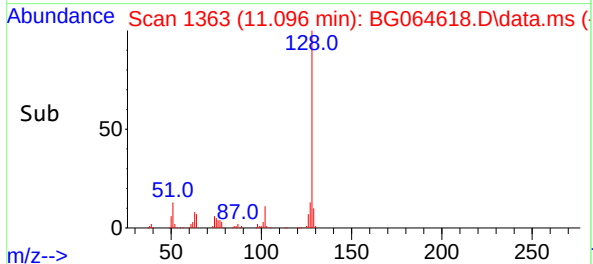
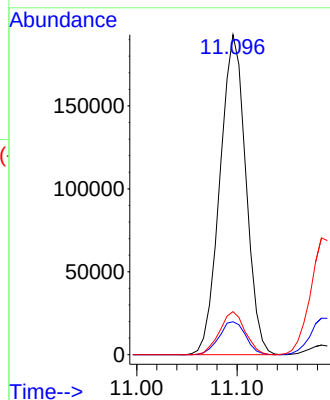
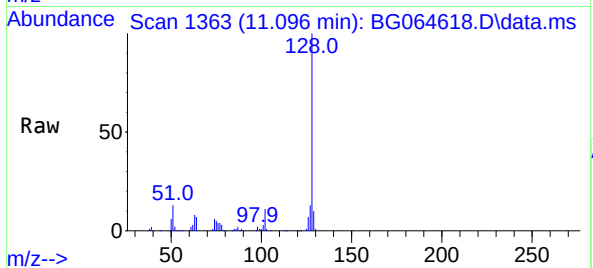
Tgt Ion:128 Resp: 345379

Ion Ratio Lower Upper

128 100

129 10.3 8.8 13.2

127 13.4 10.6 15.8



#32

Benzoic acid

Concen: 38.781 ng

RT: 10.309 min Scan# 1229

Delta R.T. -0.033 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

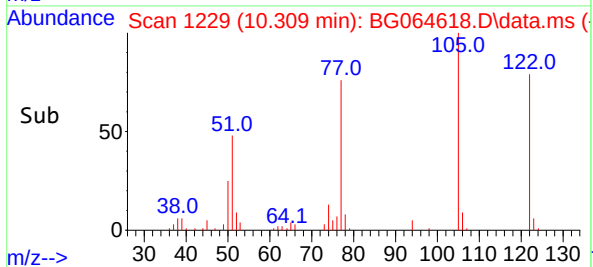
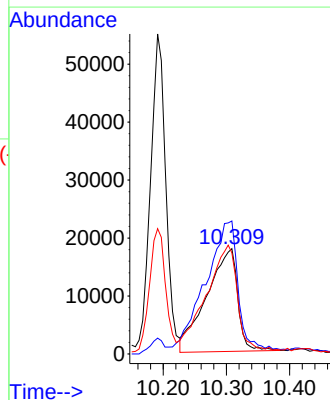
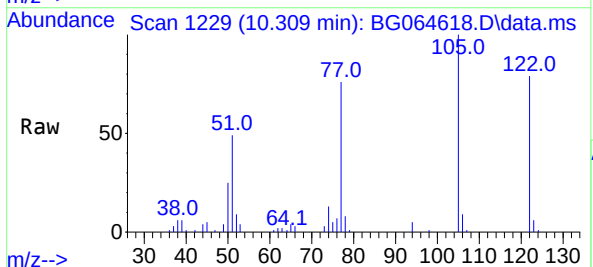
Tgt Ion:122 Resp: 60590

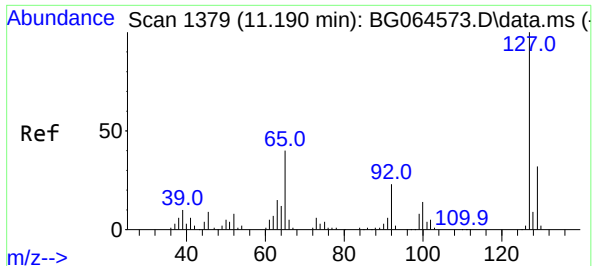
Ion Ratio Lower Upper

122 100

105 126.4 104.2 144.2

77 96.1 70.2 110.2



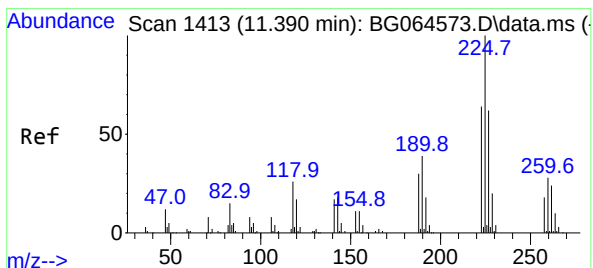
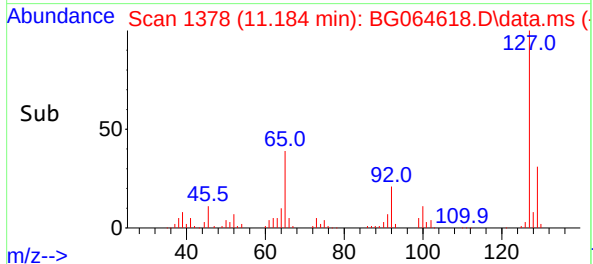
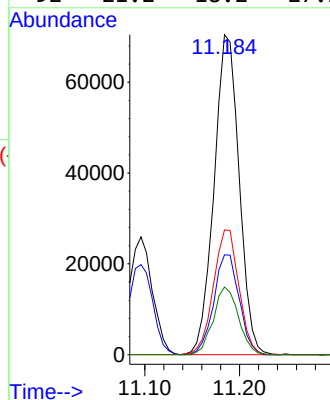
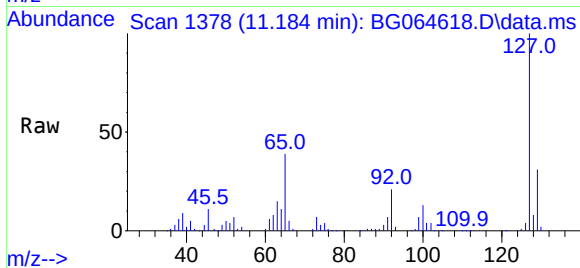


#33
4-Chloroaniline
Concen: 40.373 ng
RT: 11.184 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 129600

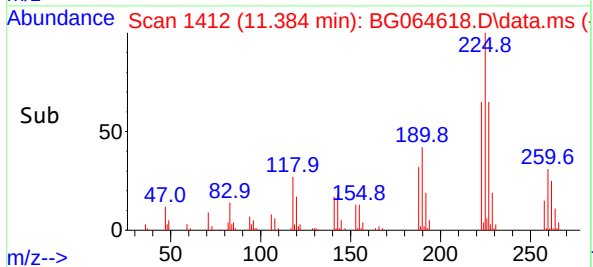
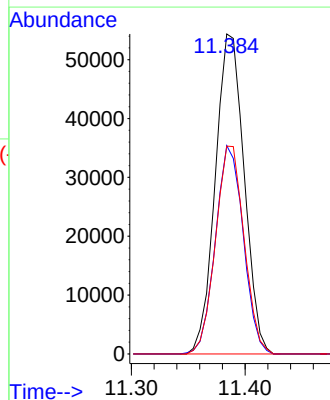
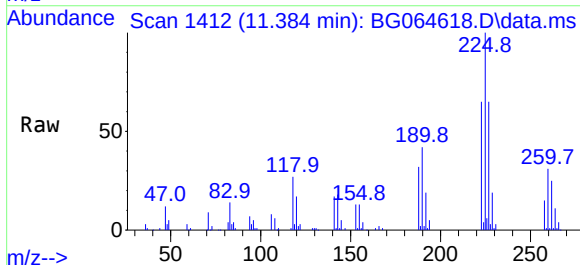
Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.5	38.3
65	39.0	32.2	48.4
92	21.2	18.2	27.2

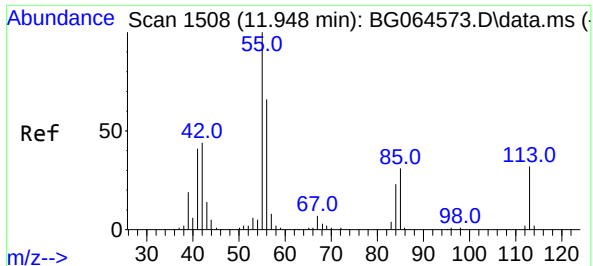


#34
Hexachlorobutadiene
Concen: 45.306 ng
RT: 11.384 min Scan# 1412
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:225 Resp: 95906

Ion	Ratio	Lower	Upper
225	100		
223	61.5	48.8	73.2
227	64.3	49.5	74.3

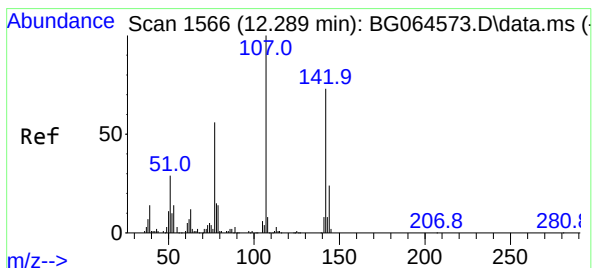
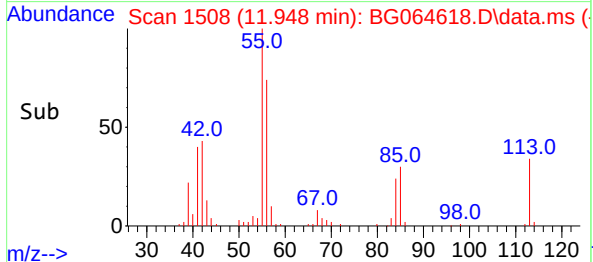
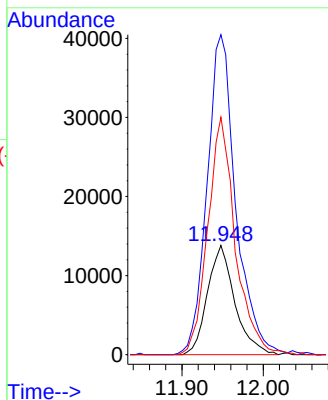
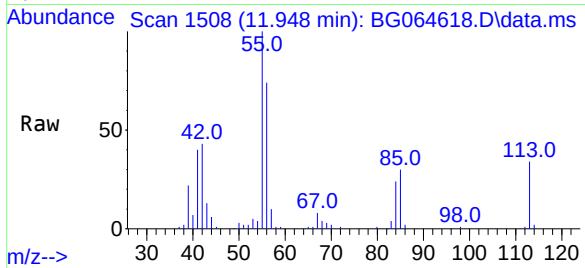




#35
 Caprolactam
 Concen: 35.362 ng
 RT: 11.948 min Scan# 1508
 Delta R.T. -0.027 min
 Lab File: BG064618.D
 Acq: 29 Oct 2025 11:22

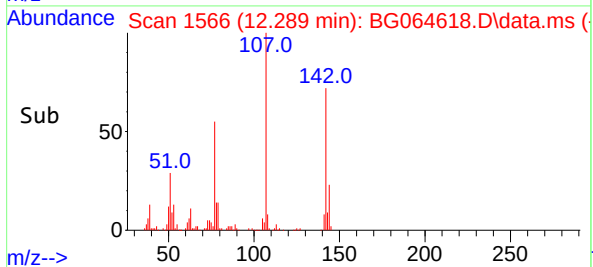
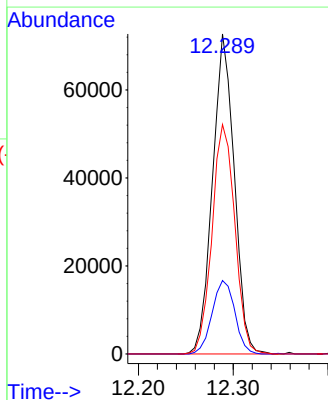
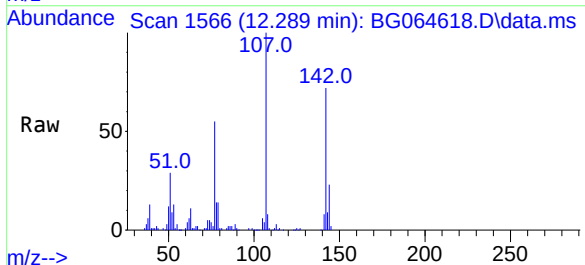
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Tgt Ion:113 Resp: 32311
 Ion Ratio Lower Upper
 113 100
 55 292.9 290.1 330.1
 56 217.3 183.8 223.8



#36
 4-Chloro-3-methylphenol
 Concen: 40.462 ng
 RT: 12.289 min Scan# 1566
 Delta R.T. -0.009 min
 Lab File: BG064618.D
 Acq: 29 Oct 2025 11:22

Tgt Ion:107 Resp: 115865
 Ion Ratio Lower Upper
 107 100
 144 23.0 19.1 28.7
 142 71.7 58.6 87.8



Abundance Scan 1634 (12.688 min): BG064573.D\data.ms (

#37

2-Methylnaphthalene

Concen: 41.085 ng

RT: 12.688 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG064618.D

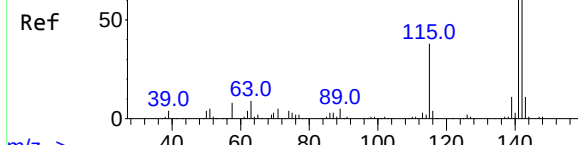
Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



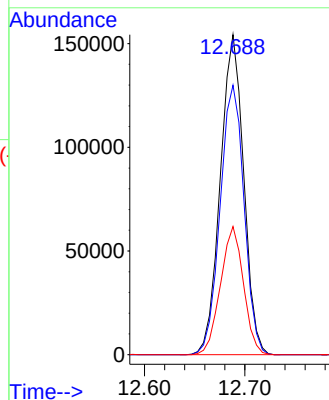
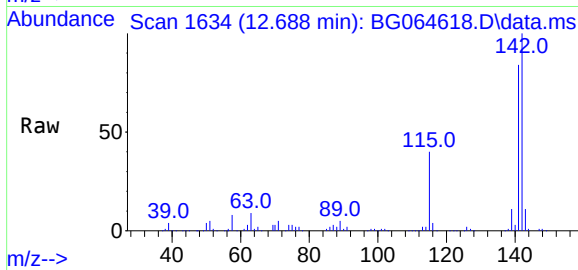
Tgt Ion:142 Resp: 249124

Ion Ratio Lower Upper

142 100

141 84.2 68.9 103.3

115 40.0 30.6 46.0



Abundance Scan 1634 (12.688 min): BG064618.D\data.ms (

#37

2-Methylnaphthalene

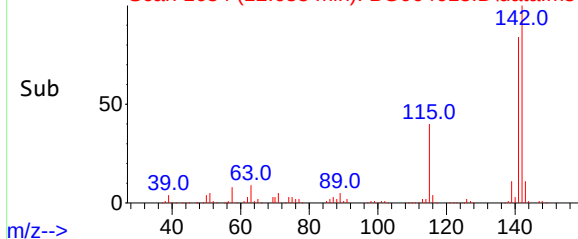
Concen: 41.085 ng

RT: 12.688 min

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22



Abundance Scan 1671 (12.906 min): BG064573.D\data.ms (

#38

1-Methylnaphthalene

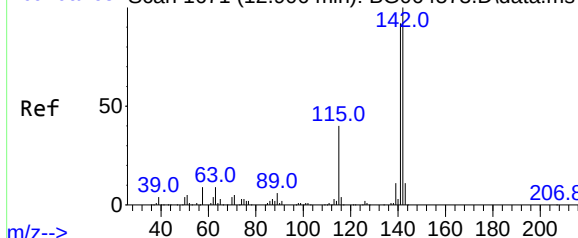
Concen: 41.190 ng

RT: 12.900 min Scan# 1670

Delta R.T. -0.009 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22



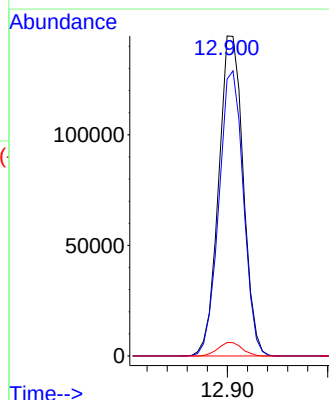
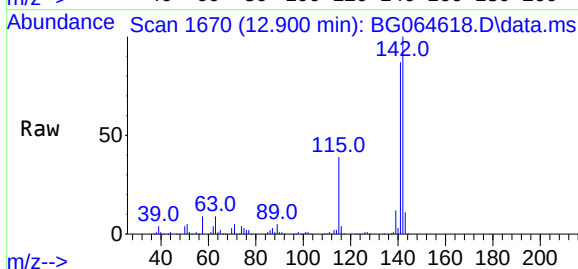
Tgt Ion:142 Resp: 245754

Ion Ratio Lower Upper

142 100

141 86.5 73.3 109.9

116 4.2 3.1 4.7



Abundance Scan 1670 (12.900 min): BG064618.D\data.ms (

#38

1-Methylnaphthalene

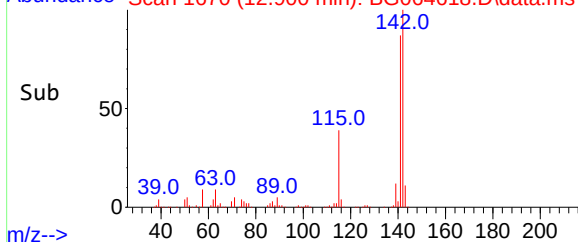
Concen: 41.190 ng

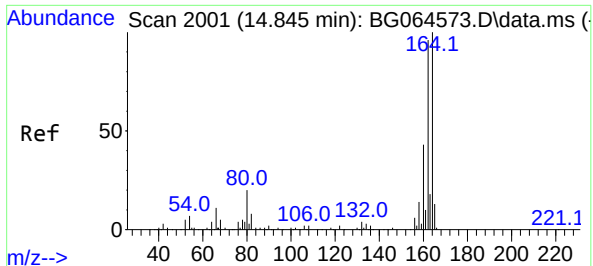
RT: 12.900 min

Delta R.T. -0.009 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

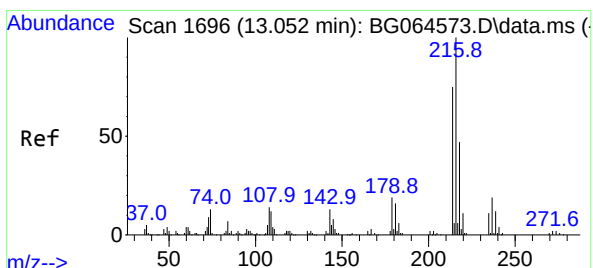
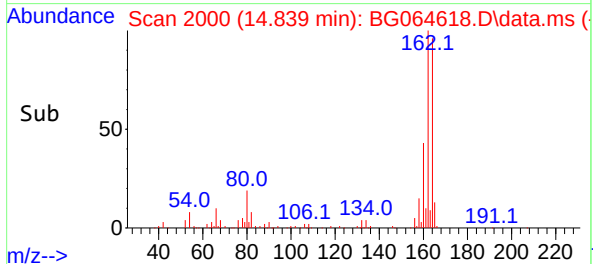
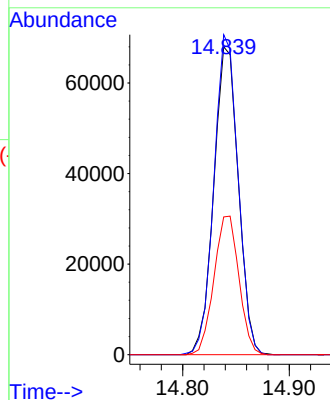
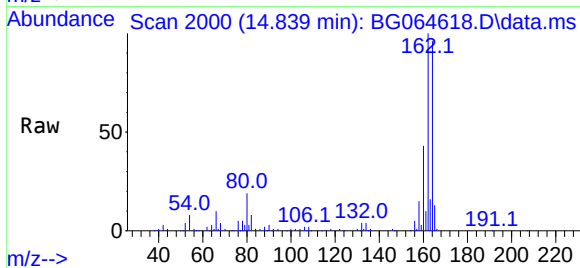




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

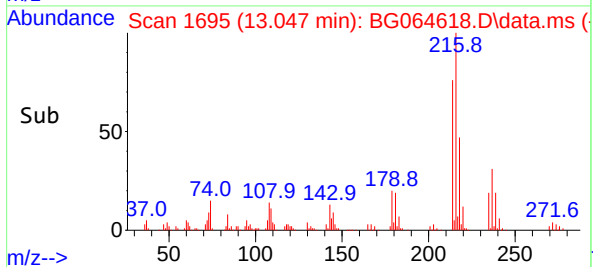
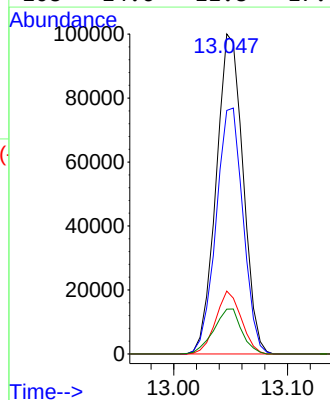
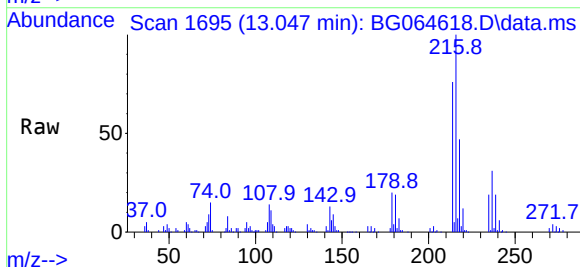
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 108882
Ion Ratio Lower Upper
164 100
162 104.0 77.0 115.6
160 44.7 34.4 51.6

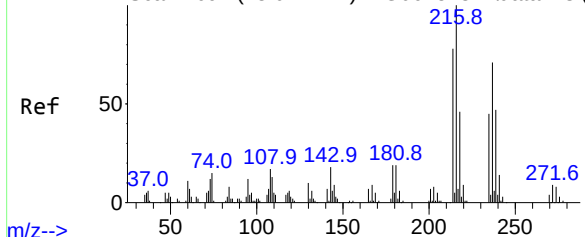


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.962 ng
RT: 13.047 min Scan# 1695
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:216 Resp: 164299
Ion Ratio Lower Upper
216 100
214 77.0 61.4 92.2
179 18.6 15.4 23.0
108 14.6 11.8 17.6



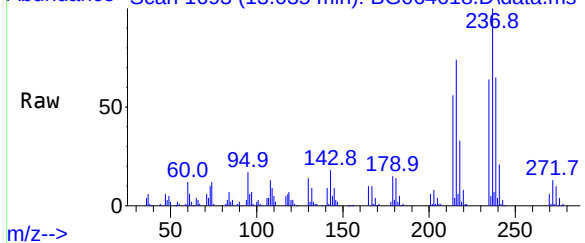
Abundance Scan 1694 (13.041 min): BG064573.D\data.ms (



#41
Hexachlorocyclopentadiene
Concen: 52.985 ng
RT: 13.035 min Scan# 1693
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

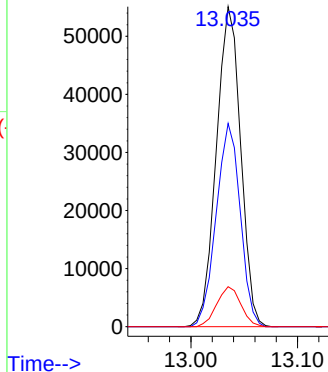
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Abundance Scan 1693 (13.035 min): BG064618.D\data.ms

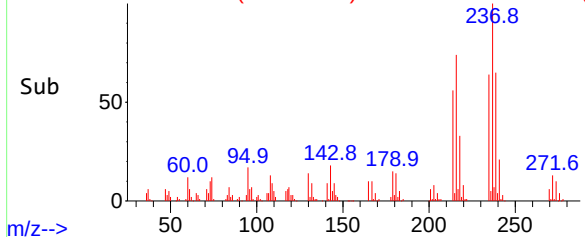


Tgt Ion: 237 Resp: 87148
Ion Ratio Lower Upper
237 100
235 63.5 44.1 84.1
272 12.5 0.0 32.4

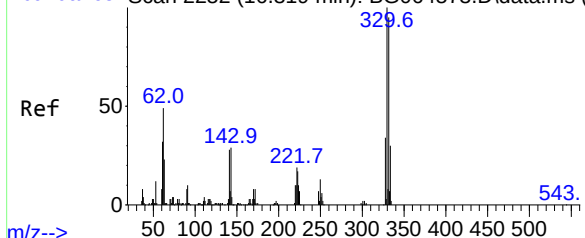
Abundance



Abundance Scan 1693 (13.035 min): BG064618.D\data.ms (



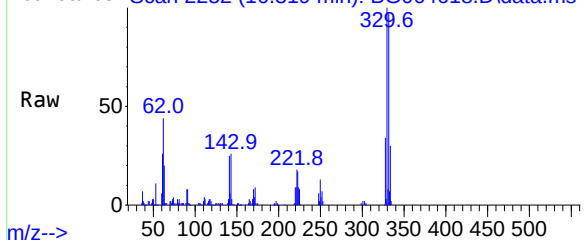
Abundance Scan 2252 (16.319 min): BG064573.D\data.ms (



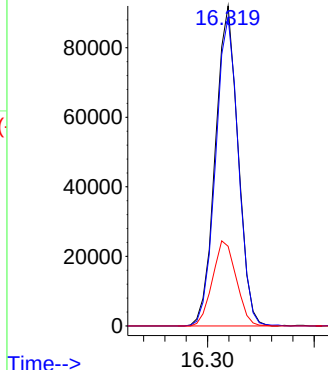
#42
2,4,6-Tribromophenol
Concen: 86.403 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 330 Resp: 135782
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 27.8 21.8 32.6

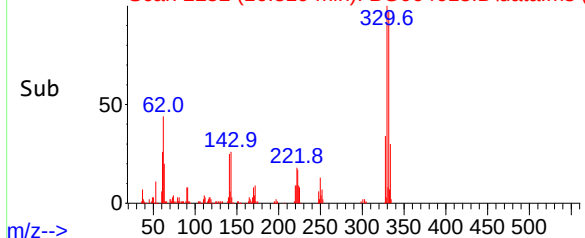
Abundance Scan 2252 (16.319 min): BG064618.D\data.ms



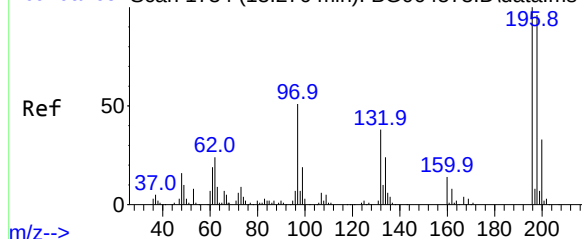
Abundance



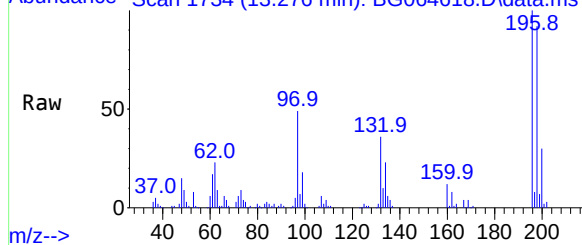
Abundance Scan 2252 (16.319 min): BG064618.D\data.ms (



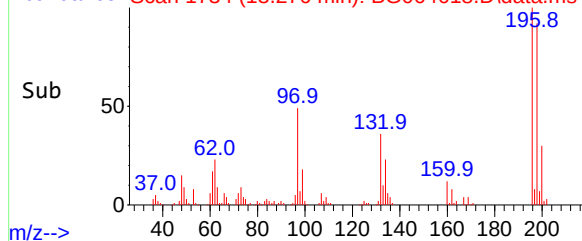
Abundance Scan 1734 (13.276 min): BG064573.D\data.ms (



m/z--> Abundance Scan 1734 (13.276 min): BG064618.D\data.ms



m/z--> Abundance Scan 1734 (13.276 min): BG064618.D\data.ms (



m/z-->

#43

2,4,6-Trichlorophenol

Concen: 47.391 ng

RT: 13.276 min Scan# 1734

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 99057

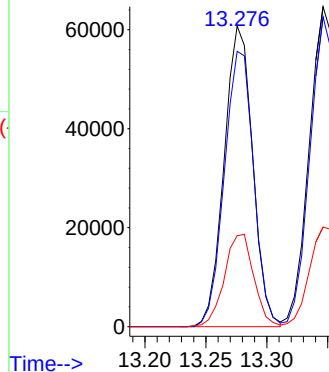
Ion Ratio Lower Upper

196 100

198 91.5 76.6 115.0

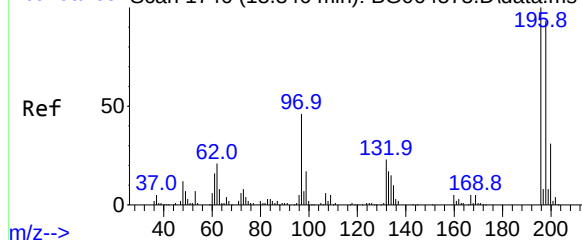
200 30.3 26.0 39.0

Abundance

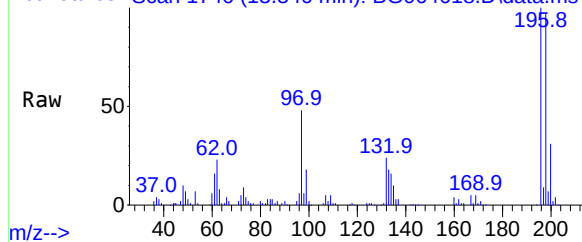


Time-->

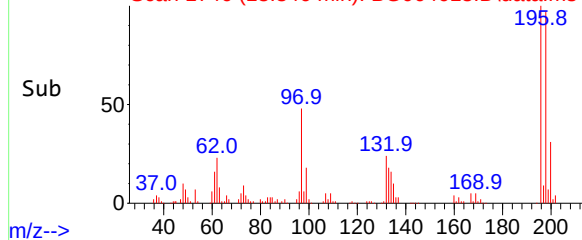
Abundance Scan 1746 (13.346 min): BG064573.D\data.ms (



m/z--> Abundance Scan 1746 (13.346 min): BG064618.D\data.ms



m/z--> Abundance Scan 1746 (13.346 min): BG064618.D\data.ms (



m/z-->

#44

2,4,5-Trichlorophenol

Concen: 44.415 ng

RT: 13.346 min Scan# 1746

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Tgt Ion:196 Resp: 107132

Ion Ratio Lower Upper

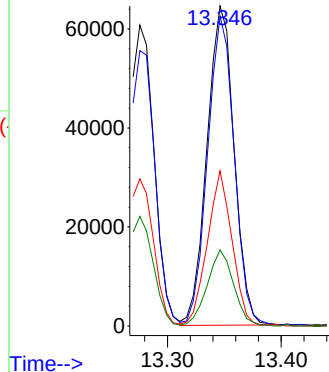
196 100

198 96.8 74.2 111.4

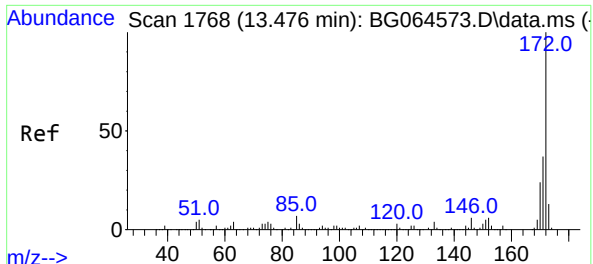
97 48.4 37.0 55.6

132 23.8 18.5 27.7

Abundance



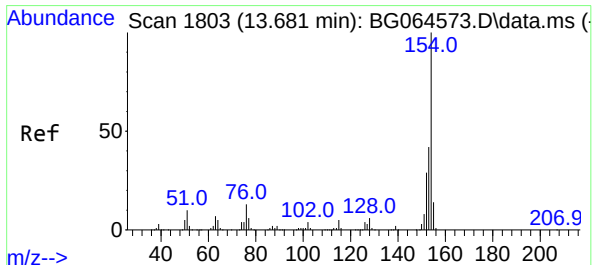
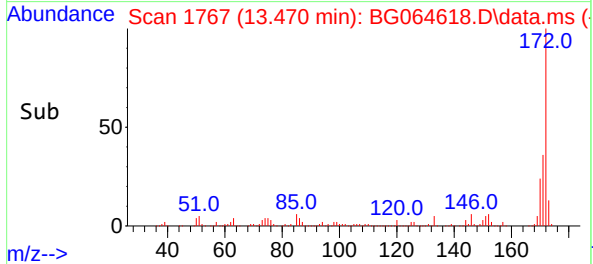
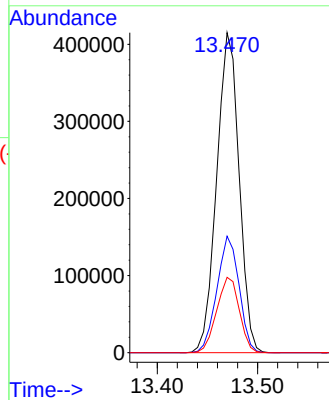
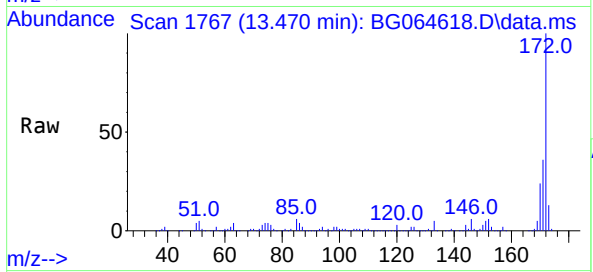
Time-->



#45
2-Fluorobiphenyl
Concen: 89.318 ng
RT: 13.470 min Scan# 1768
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

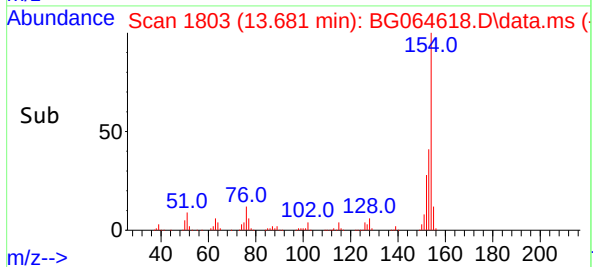
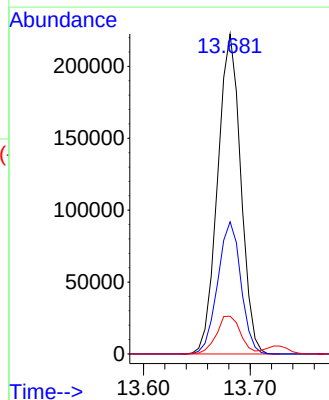
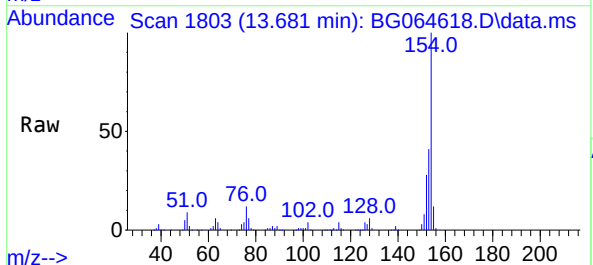
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

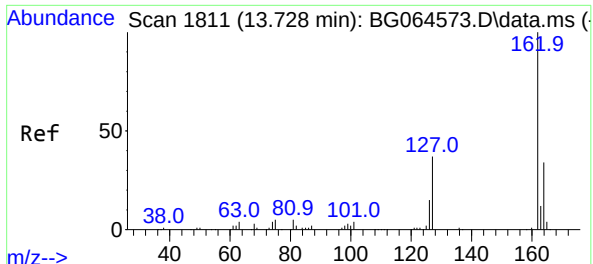
Tgt Ion:172	Resp: 641606
Ion Ratio	Lower Upper
172	100
171	36.4 29.4 44.0
170	23.5 19.1 28.7



#46
1,1'-Biphenyl
Concen: 43.180 ng
RT: 13.681 min Scan# 1803
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:154	Resp: 334243
Ion Ratio	Lower Upper
154	100
153	41.3 22.4 62.4
76	11.8 0.0 33.5

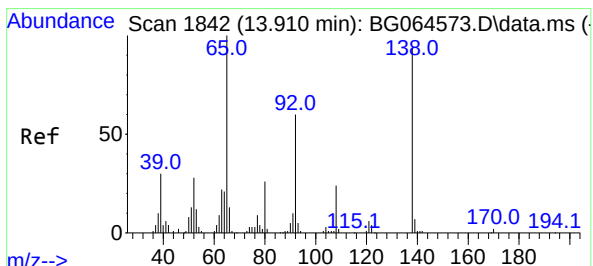
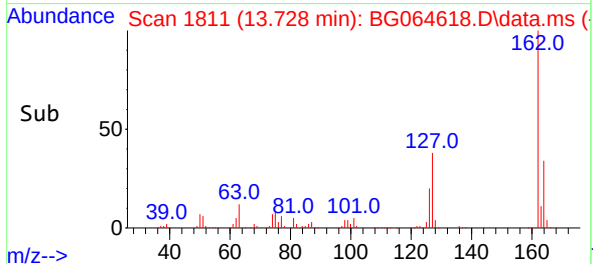
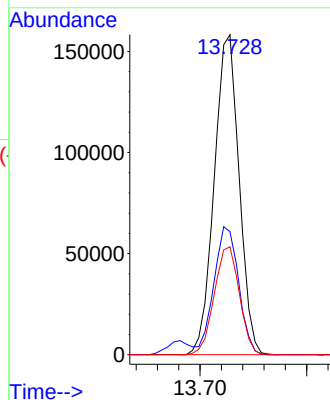
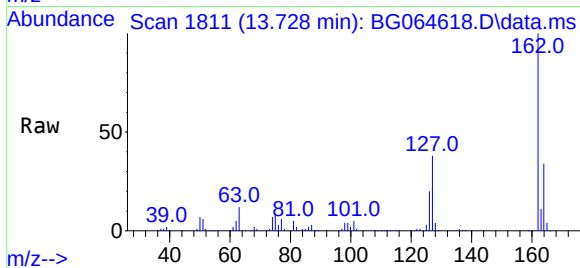




#47
2-Chloronaphthalene
Concen: 43.804 ng
RT: 13.728 min Scan# 1811
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

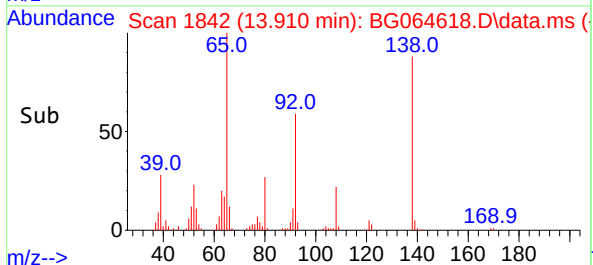
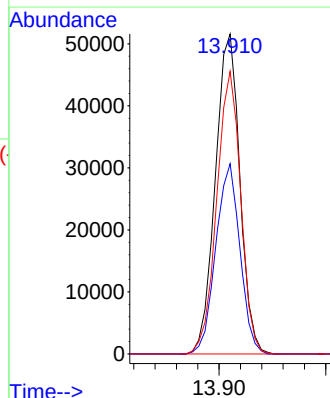
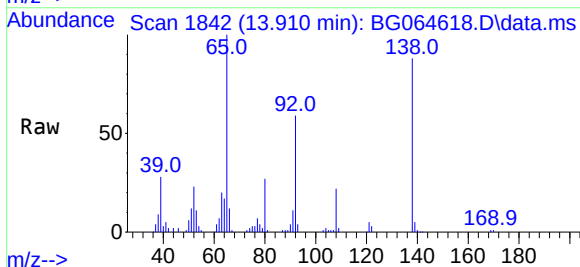
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:	162	Resp:	255946
Ion	Ratio	Lower	Upper
162	100		
127	38.4	32.2	48.2
164	33.7	27.5	41.3

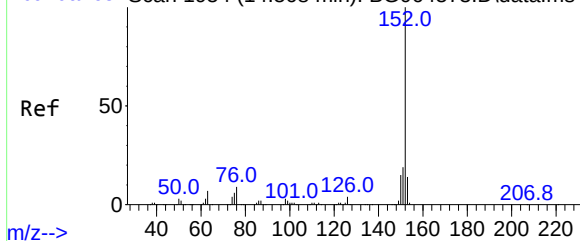


#48
2-Nitroaniline
Concen: 42.351 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:	65	Resp:	82275
Ion	Ratio	Lower	Upper
65	100		
92	59.5	48.3	72.5
138	88.3	74.9	112.3



Abundance Scan 1954 (14.568 min): BG064573.D\data.ms (



#49

Acenaphthylene

Concen: 41.830 ng

RT: 14.562 min Scan# 1954

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 385513

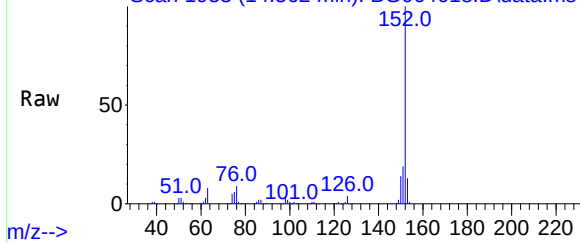
Ion Ratio Lower Upper

152 100

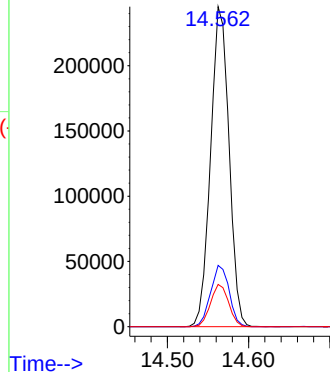
151 19.2 15.4 23.2

153 13.2 11.0 16.4

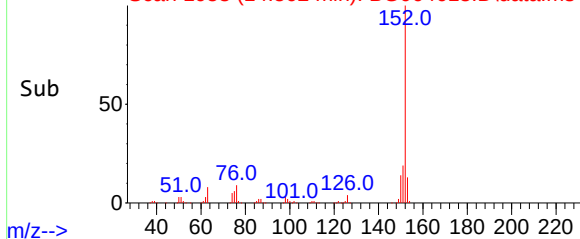
Abundance Scan 1953 (14.562 min): BG064618.D\data.ms



Abundance

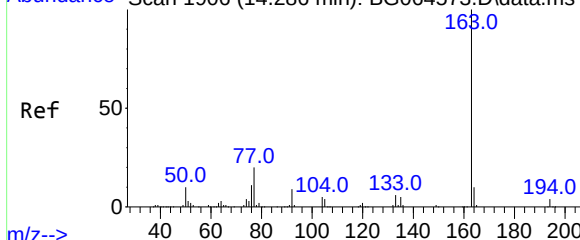


Abundance Scan 1953 (14.562 min): BG064618.D\data.ms (



Time-->

Abundance Scan 1906 (14.286 min): BG064573.D\data.ms (



#50

Dimethylphthalate

Concen: 40.572 ng

RT: 14.280 min Scan# 1905

Delta R.T. -0.010 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Tgt Ion:163 Resp: 338032

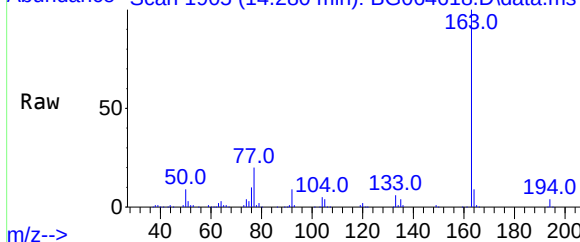
Ion Ratio Lower Upper

163 100

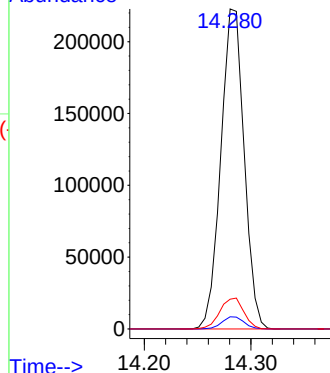
194 3.8 2.8 4.2

164 9.3 7.7 11.5

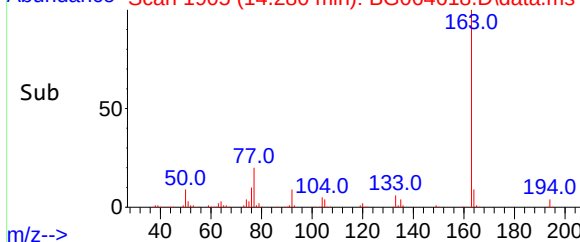
Abundance Scan 1905 (14.280 min): BG064618.D\data.ms



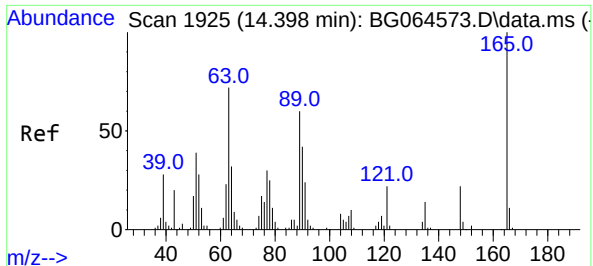
Abundance



Abundance Scan 1905 (14.280 min): BG064618.D\data.ms (



Time-->



#51

2,6-Dinitrotoluene

Concen: 43.351 ng

RT: 14.398 min Scan# 1925

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

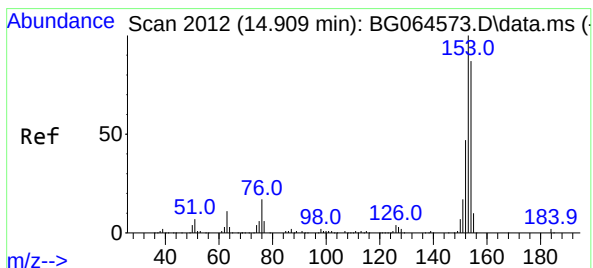
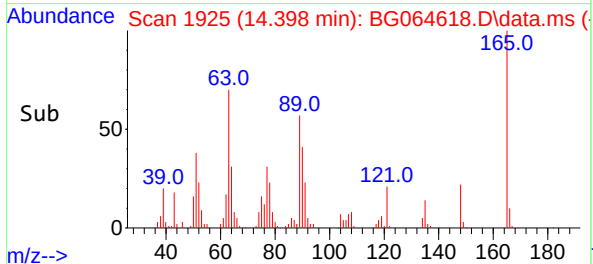
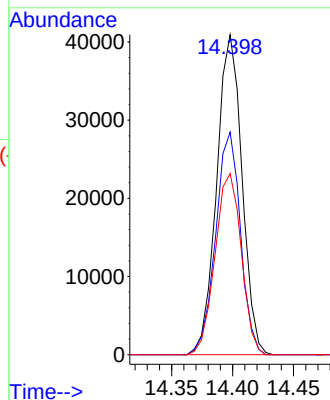
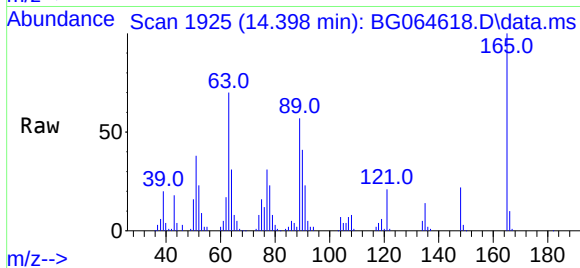
Tgt Ion:165 Resp: 59140

Ion Ratio Lower Upper

165 100

63 69.6 57.4 86.0

89 56.6 47.8 71.8



#52

Acenaphthene

Concen: 42.377 ng

RT: 14.903 min Scan# 2011

Delta R.T. -0.009 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

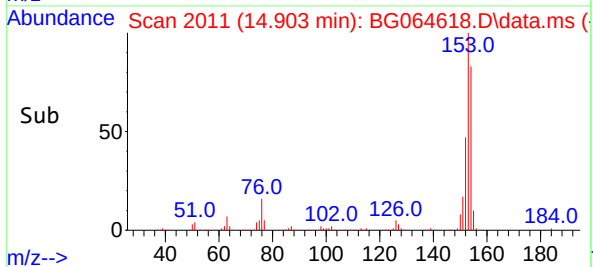
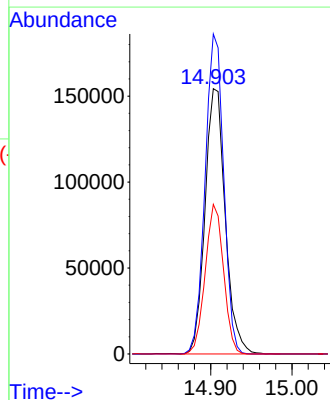
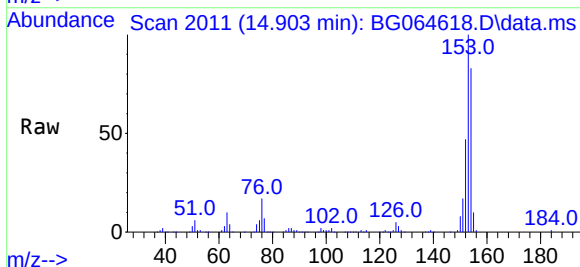
Tgt Ion:154 Resp: 266835

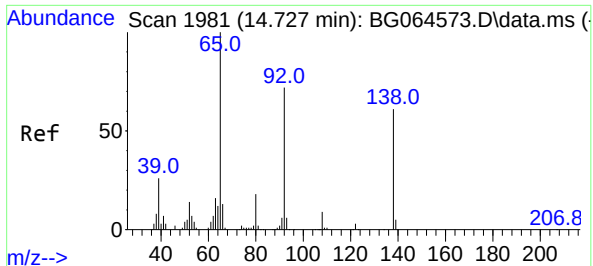
Ion Ratio Lower Upper

154 100

153 120.6 92.2 138.4

152 56.4 43.2 64.8

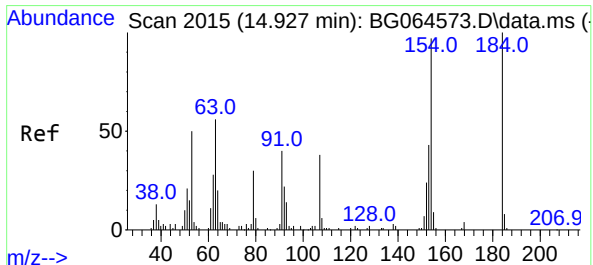
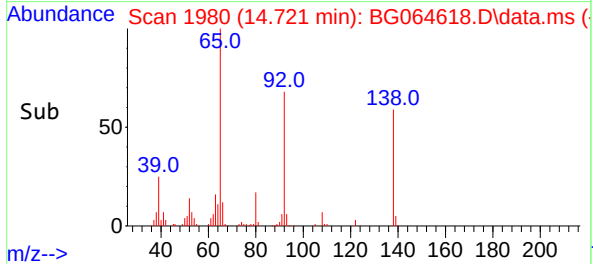
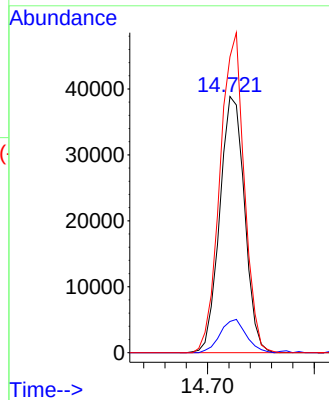
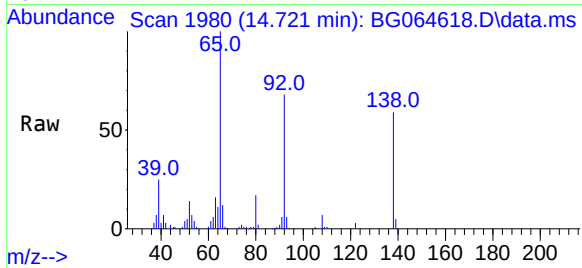




#53
3-Nitroaniline
Concen: 43.773 ng
RT: 14.721 min Scan# 1981
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

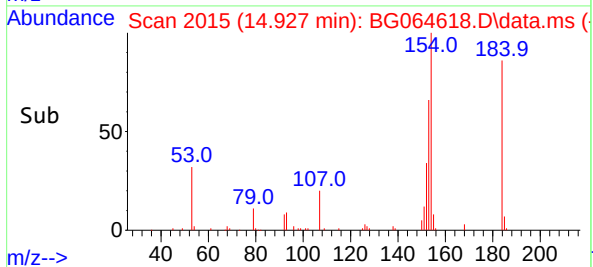
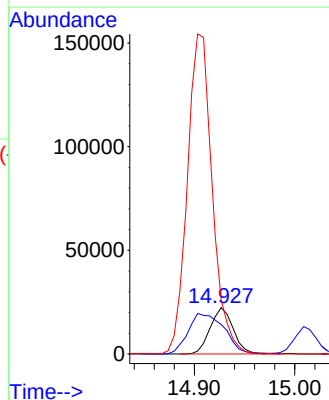
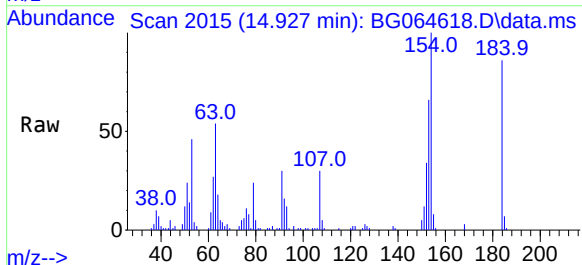
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

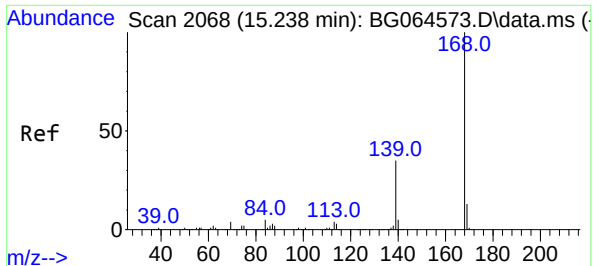
Tgt Ion:138 Resp: 62676
Ion Ratio Lower Upper
138 100
108 12.2 11.4 17.0
92 115.5 95.3 142.9



#54
2,4-Dinitrophenol
Concen: 44.922 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.003 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:184 Resp: 35680
Ion Ratio Lower Upper
184 100
63 63.4 56.6 85.0
154 116.6 158.6 238.0#

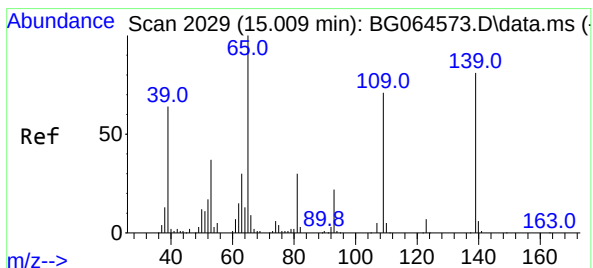
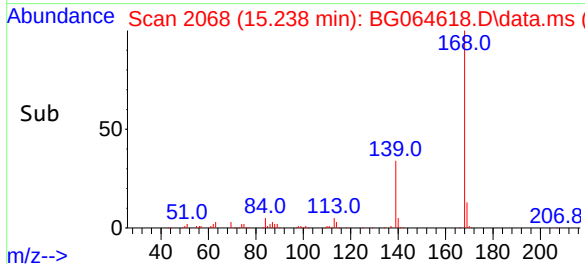
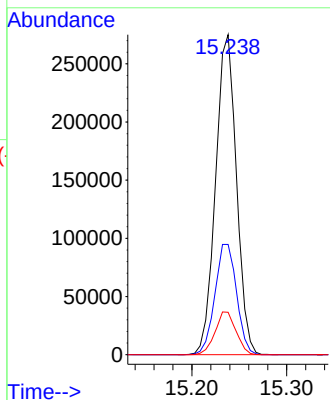
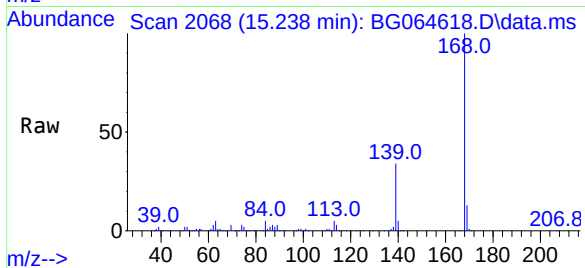




#55
Dibenzofuran
Concen: 41.281 ng
RT: 15.238 min Scan# 2068
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

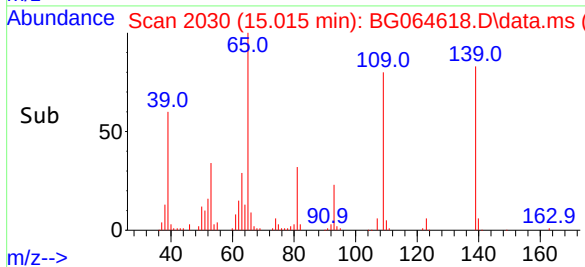
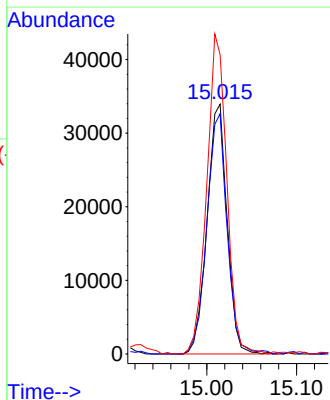
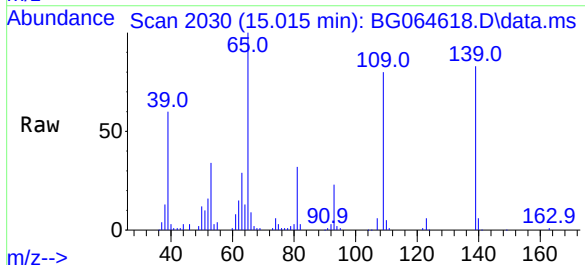
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

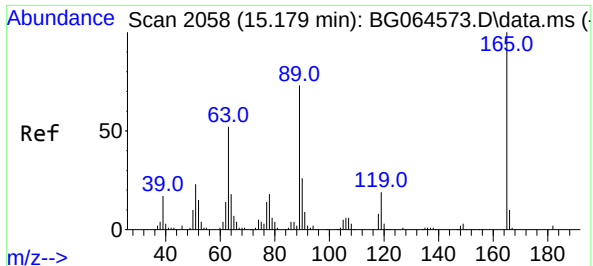
Tgt Ion:168 Resp: 420237
Ion Ratio Lower Upper
168 100
139 34.4 27.8 41.8
169 13.2 10.3 15.5



#56
4-Nitrophenol
Concen: 39.540 ng
RT: 15.015 min Scan# 2030
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:139 Resp: 52490
Ion Ratio Lower Upper
139 100
109 96.1 67.8 107.8
65 119.8 103.7 143.7





#57

2,4-Dinitrotoluene

Concen: 41.073 ng

RT: 15.179 min Scan# 2058

Delta R.T. -0.010 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 86302

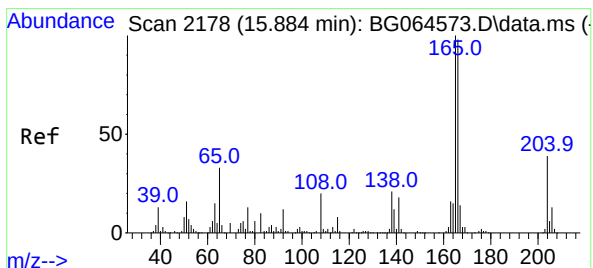
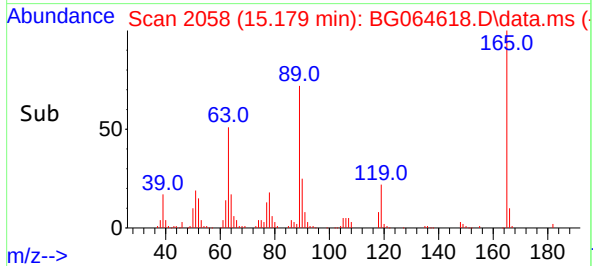
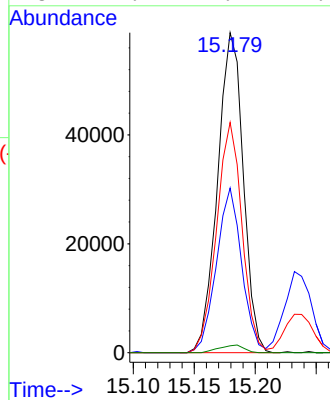
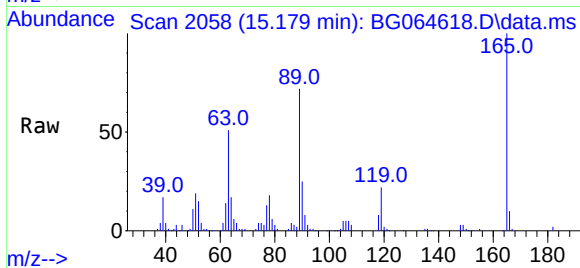
Ion Ratio Lower Upper

165 100

63 51.4 41.8 62.8

89 71.9 58.1 87.1

182 2.2 1.4 2.0#



#58

Fluorene

Concen: 40.432 ng

RT: 15.884 min Scan# 2178

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

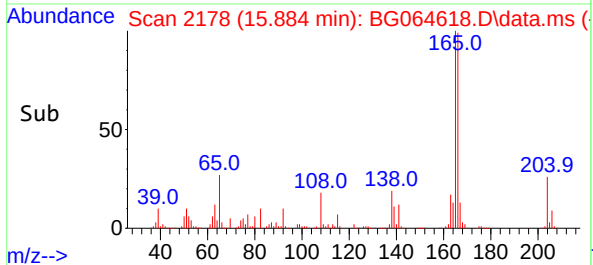
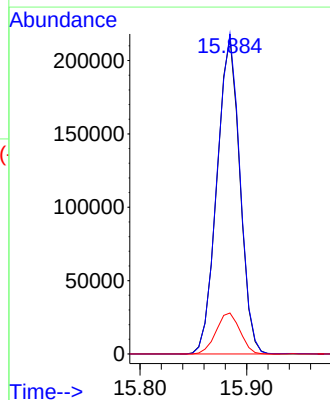
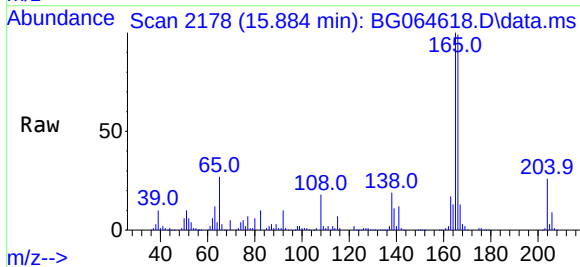
Tgt Ion:166 Resp: 321438

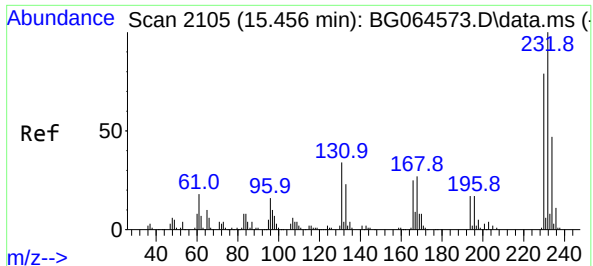
Ion Ratio Lower Upper

166 100

165 101.3 81.5 122.3

167 13.0 11.4 17.0

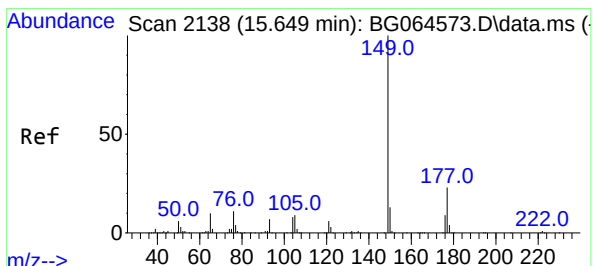
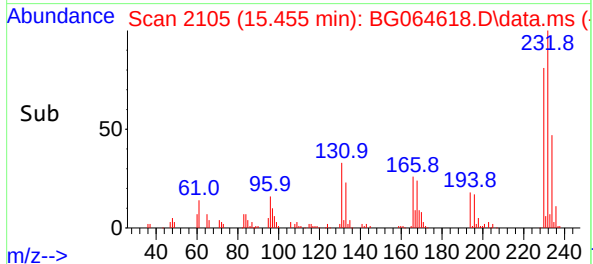
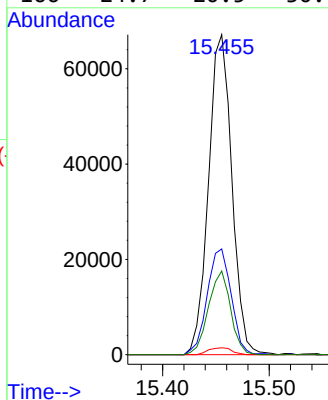
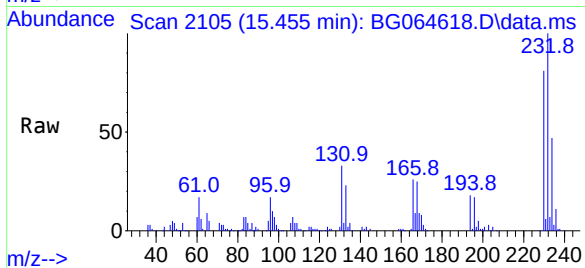




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.298 ng
RT: 15.455 min Scan# 2105
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

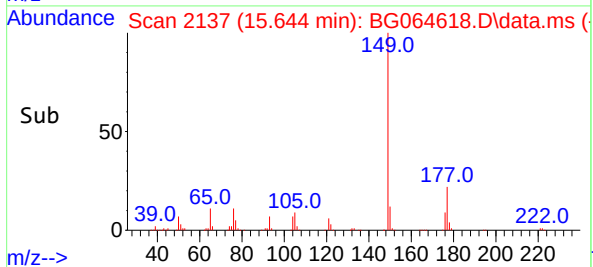
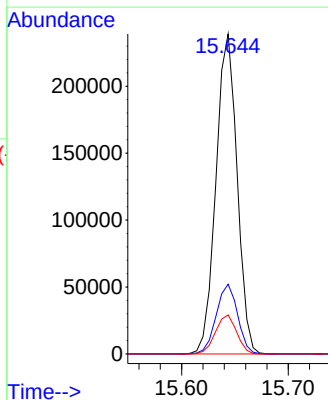
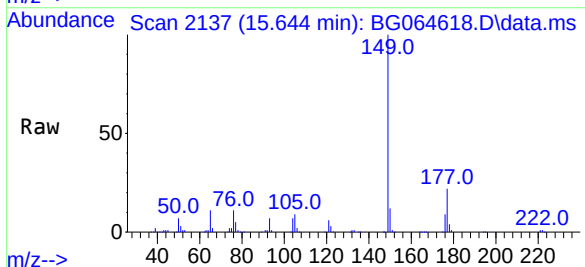
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

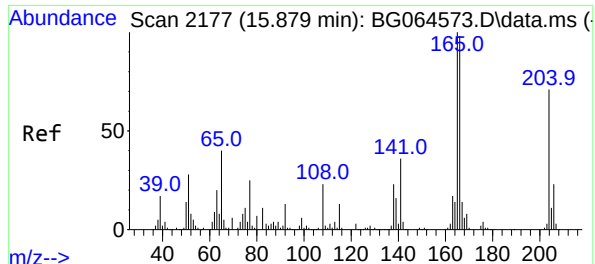
Tgt Ion:232 Resp: 102176
Ion Ratio Lower Upper
232 100
131 34.0 26.7 40.1
130 2.2 1.6 2.4
166 24.7 20.5 30.7



#60
Diethylphthalate
Concen: 38.582 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:149 Resp: 328215
Ion Ratio Lower Upper
149 100
177 21.8 18.0 27.0
150 12.2 10.2 15.4

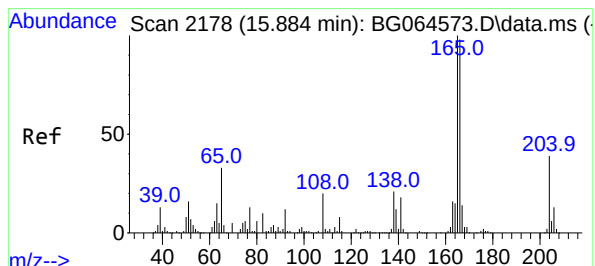
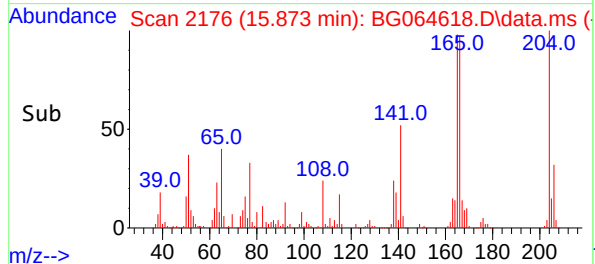
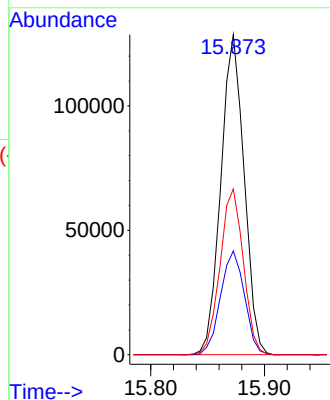
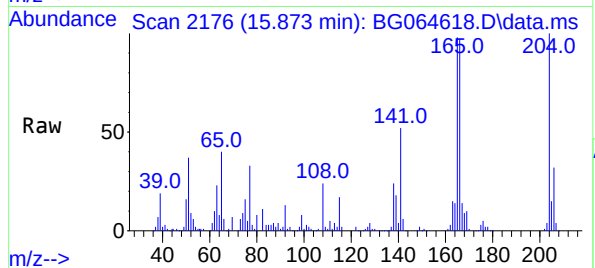




#61
4-Chlorophenyl-phenylether
Concen: 40.979 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

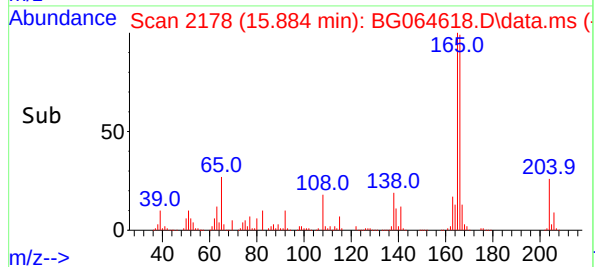
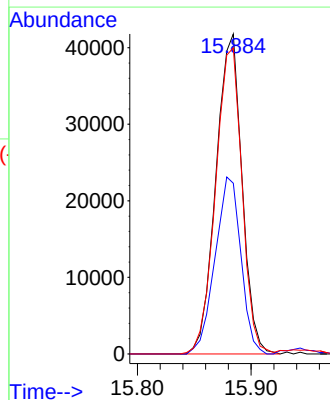
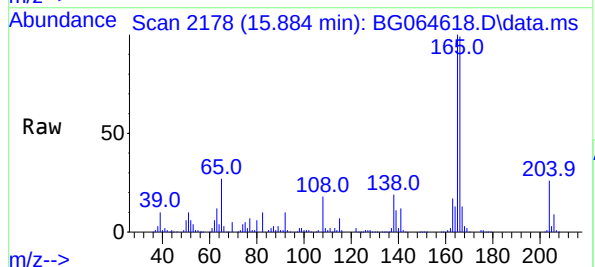
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

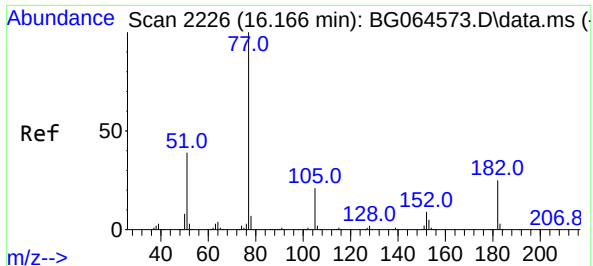
Tgt Ion:204 Resp: 182832
Ion Ratio Lower Upper
204 100
206 32.4 25.6 38.4
141 51.8 40.6 60.8



#62
4-Nitroaniline
Concen: 41.786 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:138 Resp: 66563
Ion Ratio Lower Upper
138 100
92 53.3 36.1 76.1
108 95.7 75.6 115.6



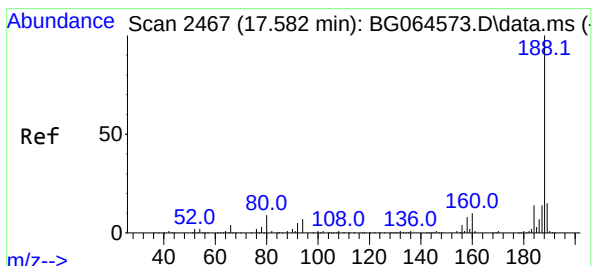
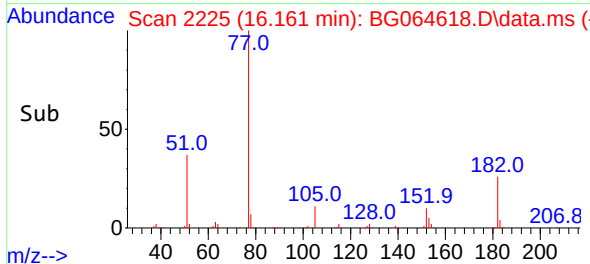
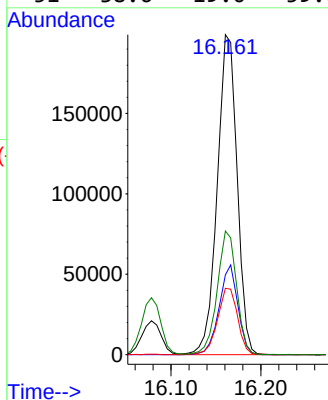
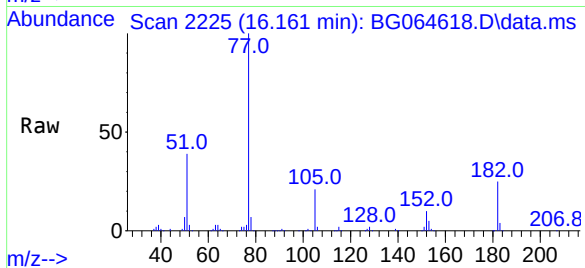


#63
Azobenzene
Concen: 39.183 ng
RT: 16.161 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 305844

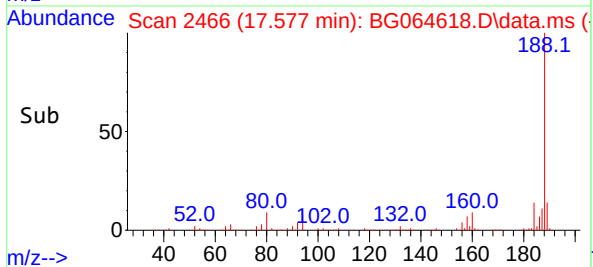
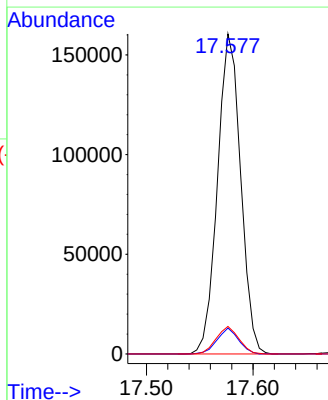
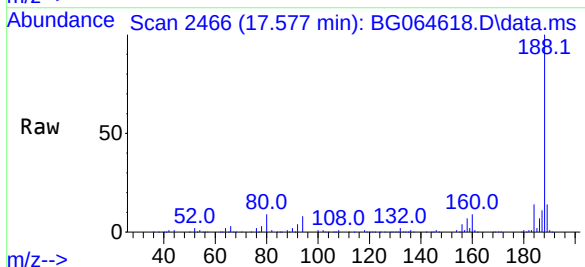
Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.9	44.9
105	20.8	1.3	41.3
51	38.6	19.0	59.0



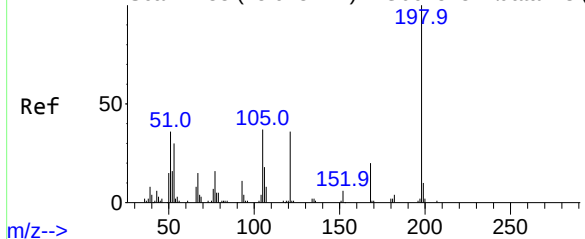
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 188 Resp: 241683

Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.7	8.5
80	8.6	6.8	10.2



Abundance Scan 2188 (15.943 min): BG064573.D\data.ms (

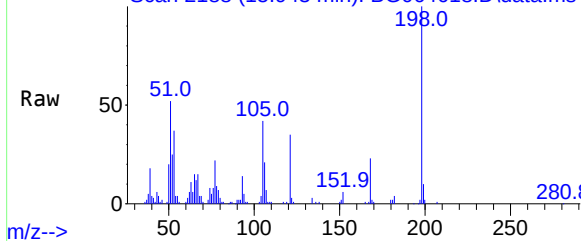


#65
4,6-Dinitro-2-methylphenol
Concen: 47.448 ng
RT: 15.943 min Scan# 2188
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

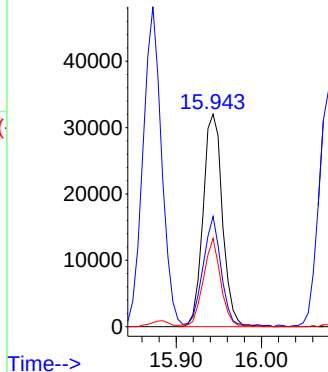
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
198	100		
51	51.9	24.7	64.7
105	41.5	18.0	58.0

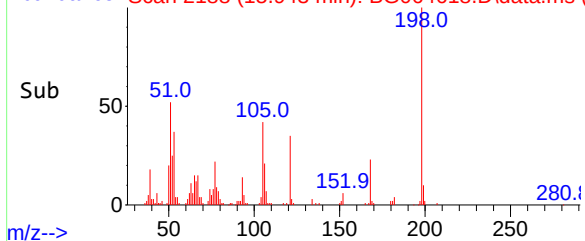
Abundance Scan 2188 (15.943 min): BG064618.D\data.ms



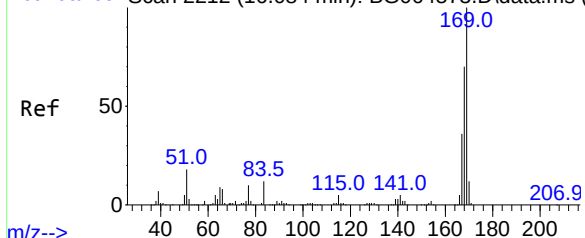
Abundance



Abundance Scan 2188 (15.943 min): BG064618.D\data.ms (



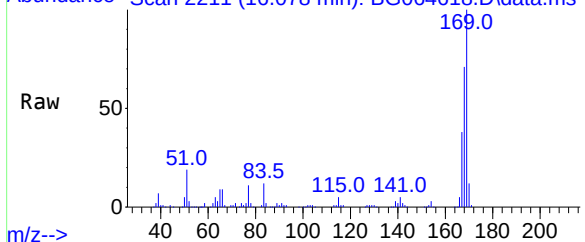
Abundance Scan 2212 (16.084 min): BG064573.D\data.ms (



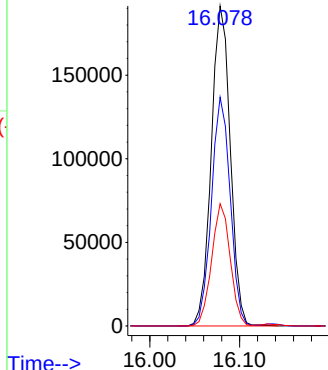
#66
n-Nitrosodiphenylamine
Concen: 43.085 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.4	56.3	84.5
167	38.2	29.0	43.6

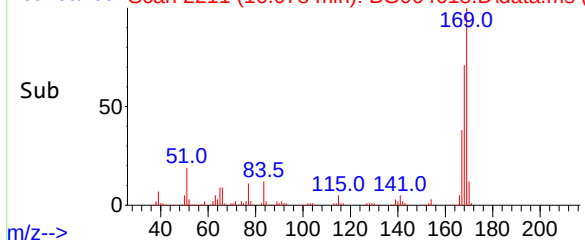
Abundance Scan 2211 (16.078 min): BG064618.D\data.ms

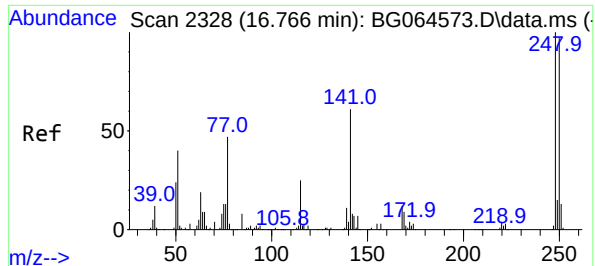


Abundance



Abundance Scan 2211 (16.078 min): BG064618.D\data.ms (





#67

4-Bromophenyl-phenylether

Concen: 44.163 ng

RT: 16.766 min Scan# 2328

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

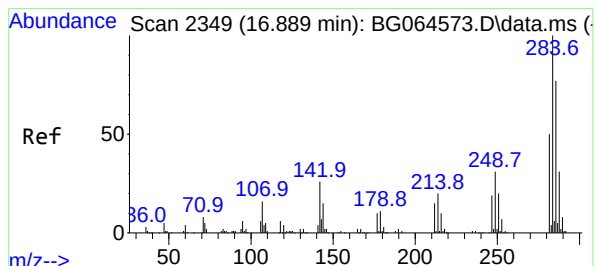
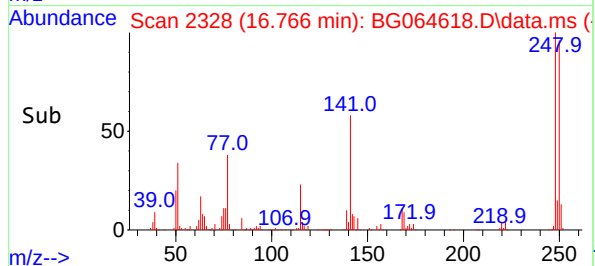
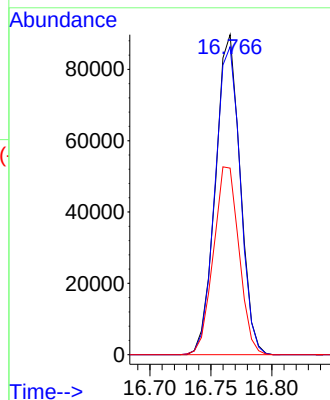
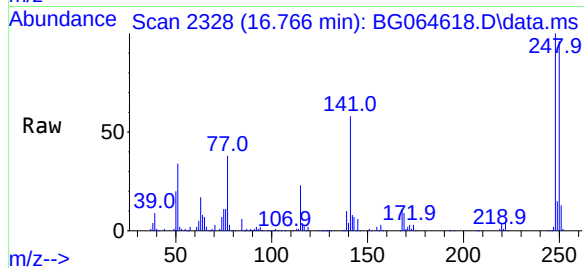
Tgt Ion:248 Resp: 126485

Ion Ratio Lower Upper

248 100

250 96.3 77.7 116.5

141 58.3 48.6 72.8



#68

Hexachlorobenzene

Concen: 44.415 ng

RT: 16.889 min Scan# 2349

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

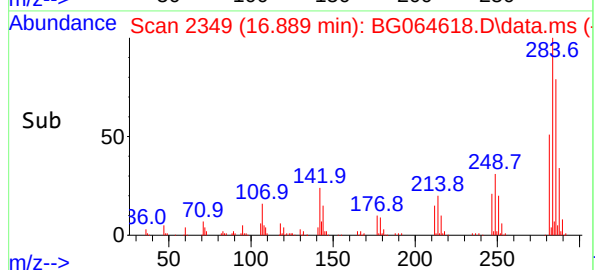
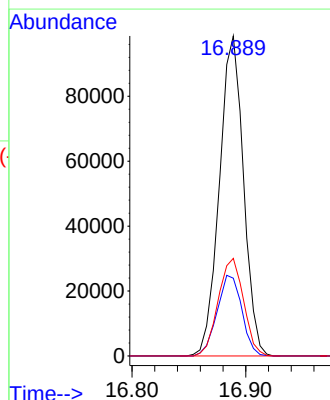
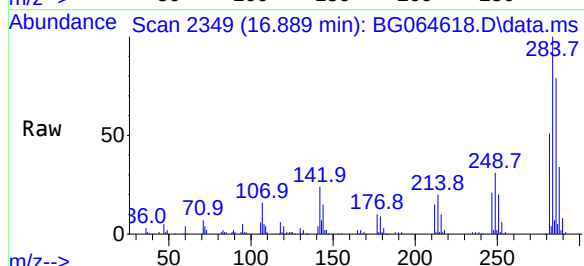
Tgt Ion:284 Resp: 145122

Ion Ratio Lower Upper

284 100

142 24.3 21.0 31.6

249 32.9 24.9 37.3



Abundance Scan 2372 (17.024 min): BG064573.D\data.ms (

#69

Atrazine

Concen: 40.031 ng

RT: 17.018 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG064618.D

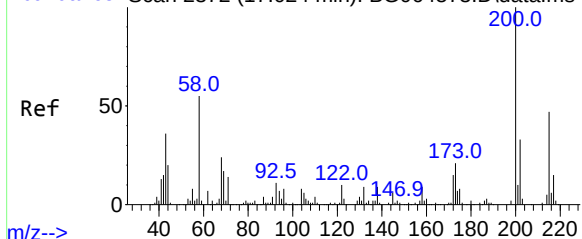
Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



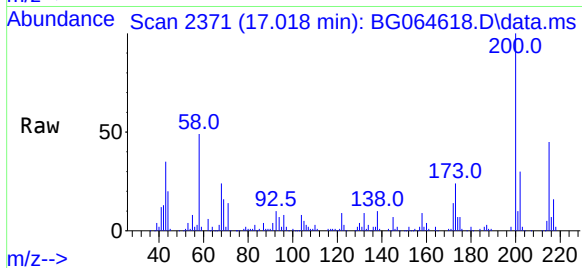
Tgt Ion:200 Resp: 112465

Ion Ratio Lower Upper

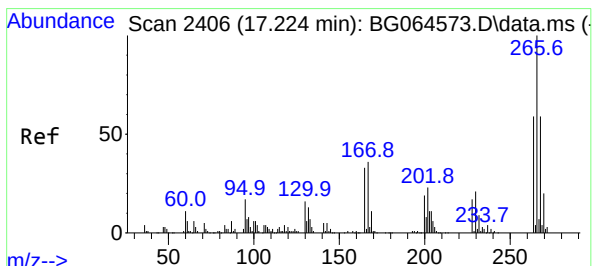
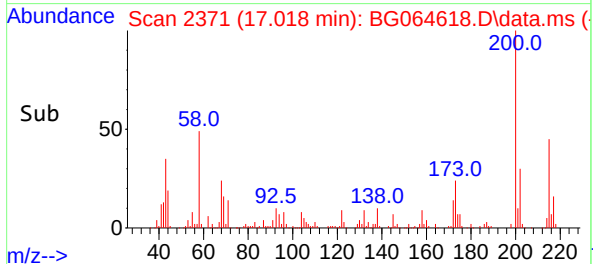
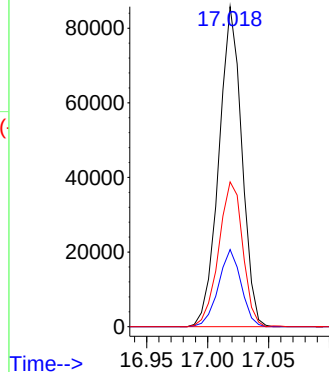
200 100

173 24.1 0.9 40.9

215 45.3 27.0 67.0



Abundance



#70

Pentachlorophenol

Concen: 44.939 ng

RT: 17.224 min Scan# 2406

Delta R.T. -0.004 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

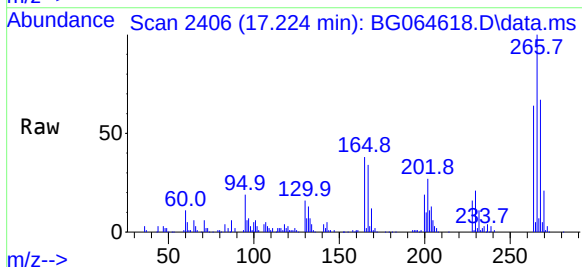
Tgt Ion:266 Resp: 91563

Ion Ratio Lower Upper

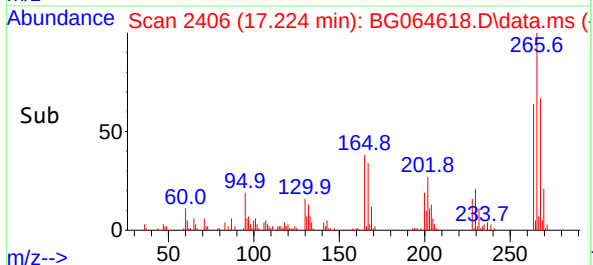
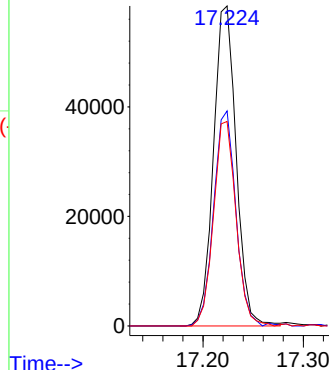
266 100

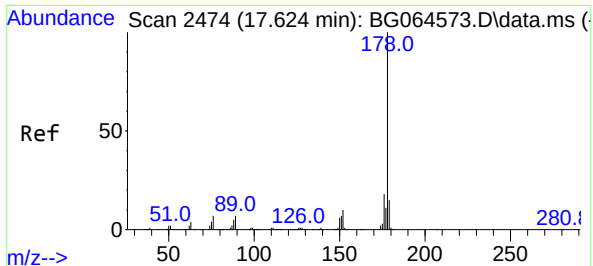
268 67.2 50.3 75.5

264 63.9 47.3 70.9



Abundance

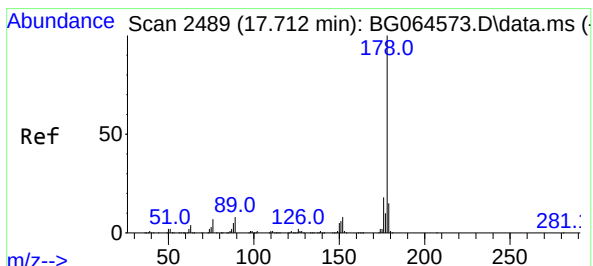
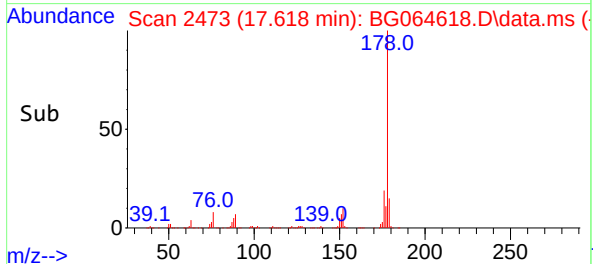
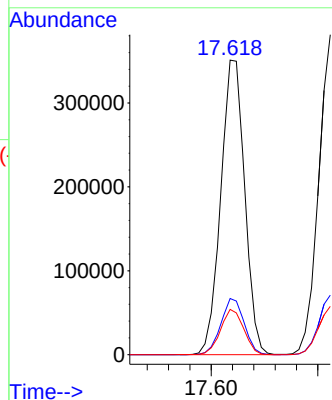
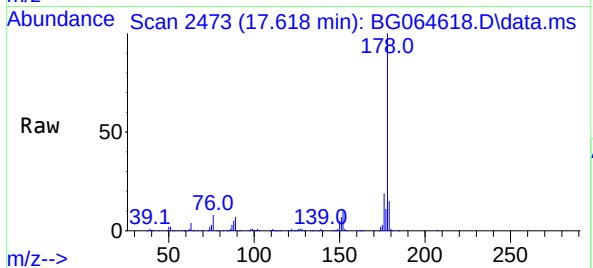




#71
Phenanthrene
Concen: 41.397 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

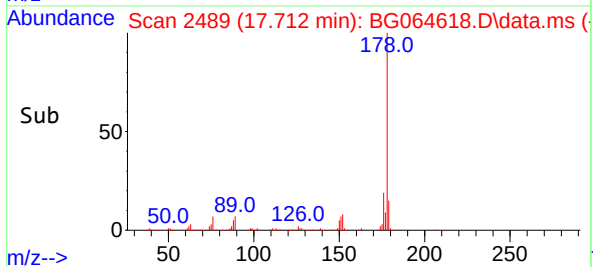
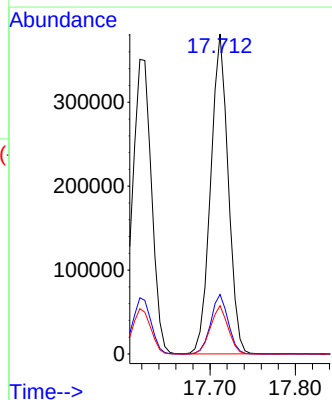
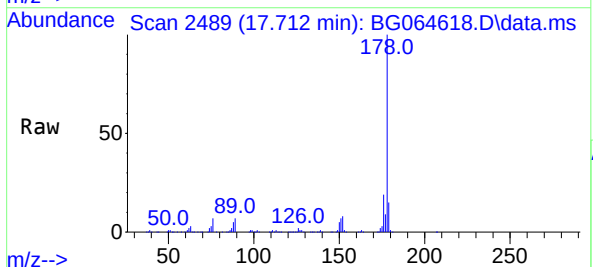
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

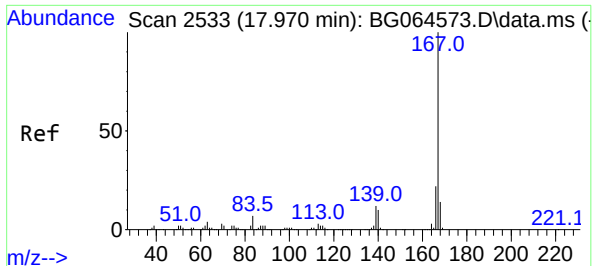
Tgt Ion:178 Resp: 547128
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 15.4 12.2 18.4



#72
Anthracene
Concen: 40.436 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:178 Resp: 543644
Ion Ratio Lower Upper
178 100
176 18.6 14.4 21.6
179 15.1 12.4 18.6

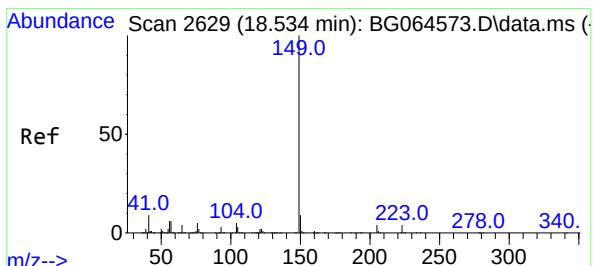
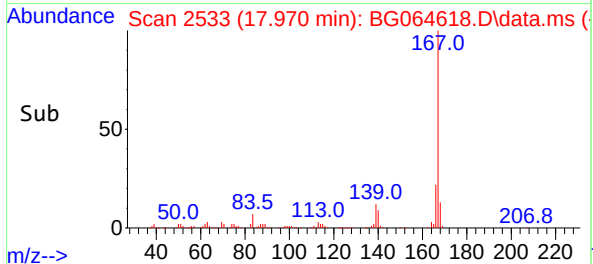
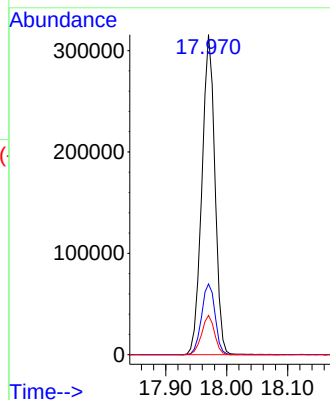
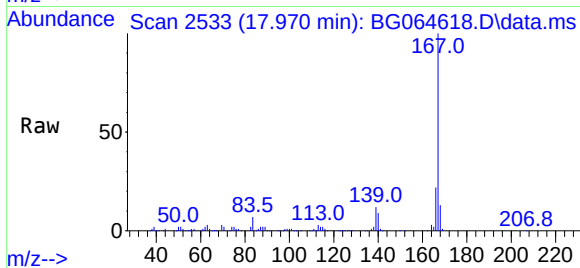




#73
Carbazole
Concen: 39.556 ng
RT: 17.970 min Scan# 2533
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

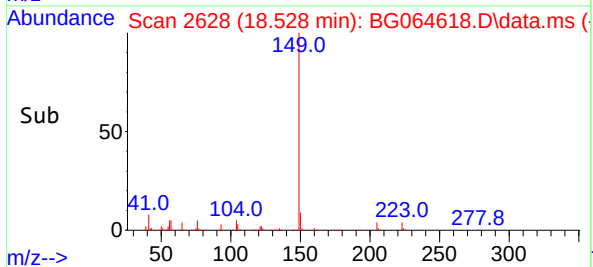
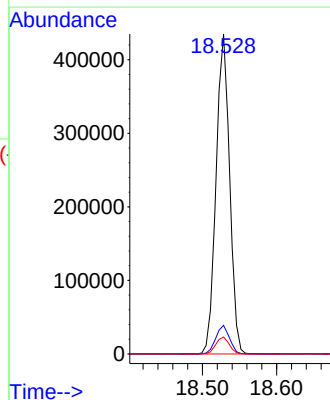
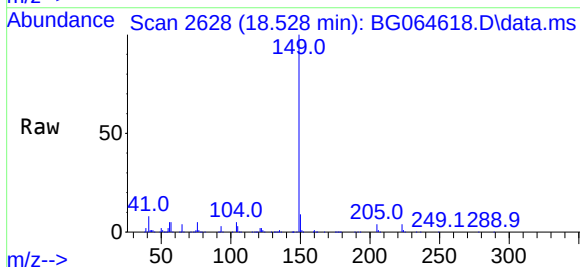
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

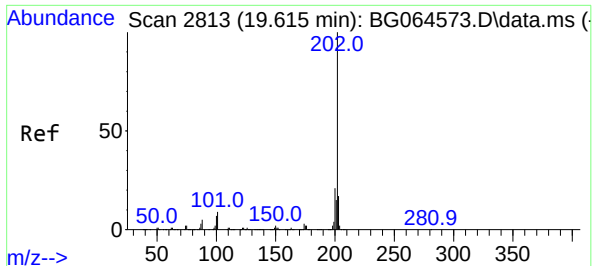
Tgt Ion:167 Resp: 468954
Ion Ratio Lower Upper
167 100
166 22.1 17.9 26.9
139 12.2 9.7 14.5



#74
Di-n-butylphthalate
Concen: 40.184 ng
RT: 18.528 min Scan# 2628
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:149 Resp: 550901
Ion Ratio Lower Upper
149 100
150 8.9 7.0 10.6
104 5.3 4.1 6.1

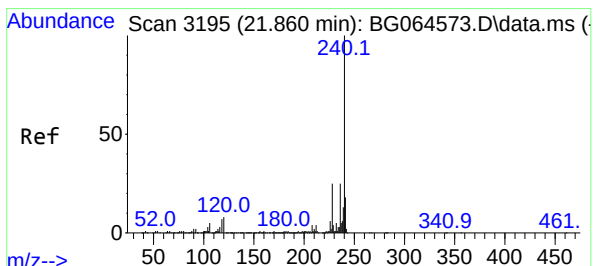
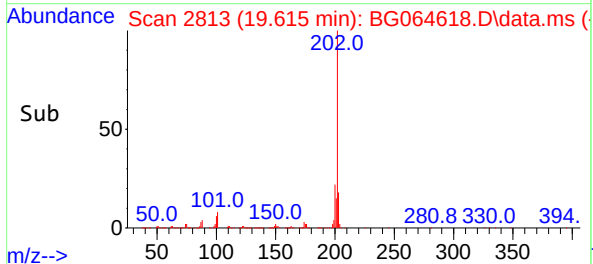
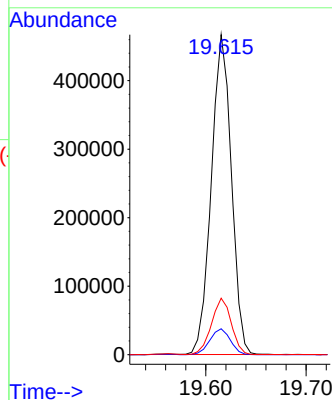
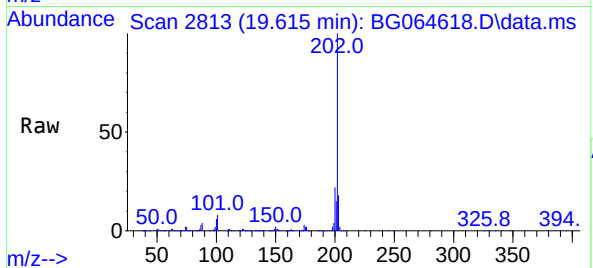




#75
Fluoranthene
Concen: 39.193 ng
RT: 19.615 min Scan# 2813
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

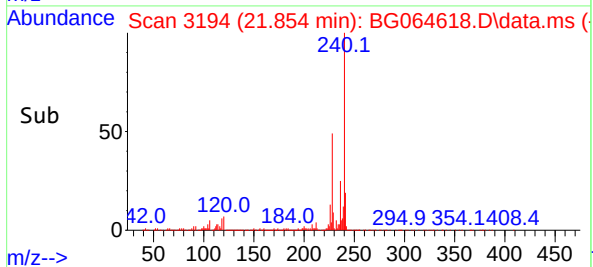
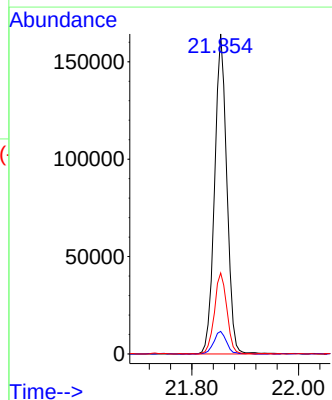
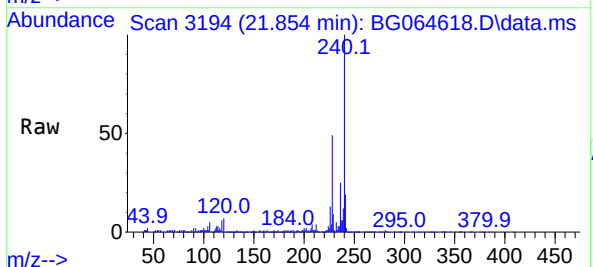
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

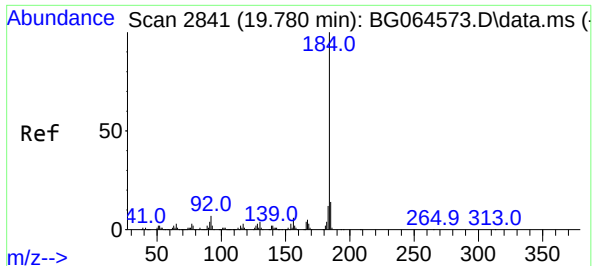
Tgt Ion:202 Resp: 648927
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.7
203 17.7 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:240 Resp: 261016
Ion Ratio Lower Upper
240 100
120 7.1 6.5 9.7
236 25.3 20.2 30.2

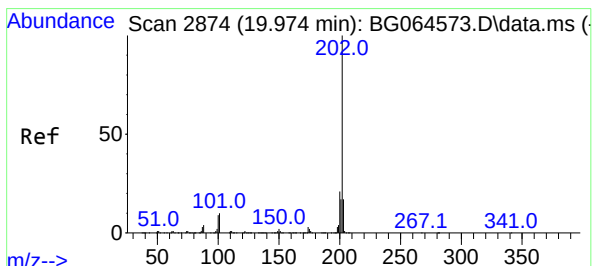
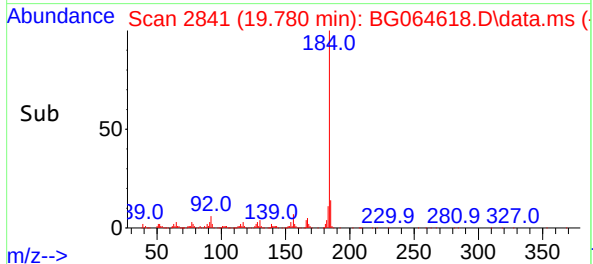
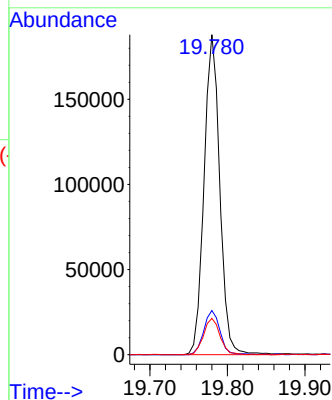
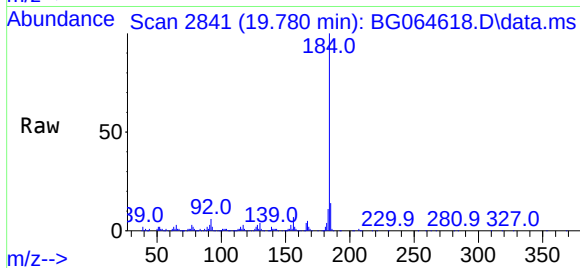




#77
Benzidine
Concen: 45.404 ng
RT: 19.780 min Scan# 2841
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

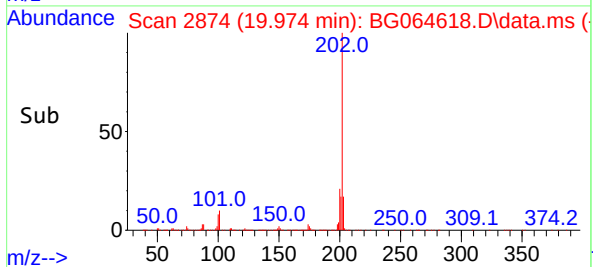
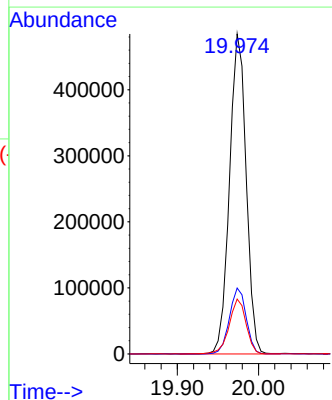
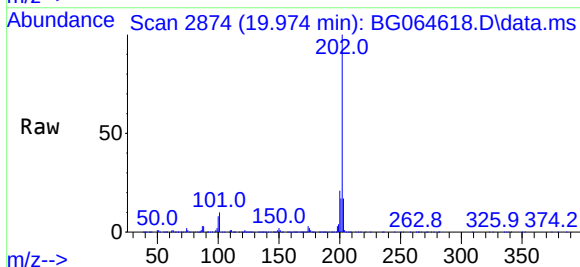
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

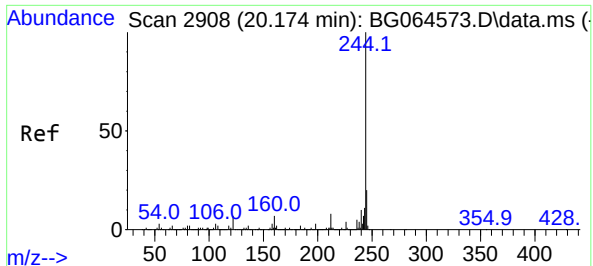
Tgt Ion:184 Resp: 265517
Ion Ratio Lower Upper
184 100
185 13.8 11.4 17.2
183 11.4 9.4 14.2



#78
Pyrene
Concen: 40.467 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:202 Resp: 690102
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.1 13.8 20.6

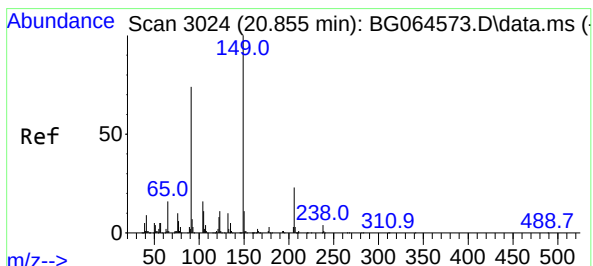
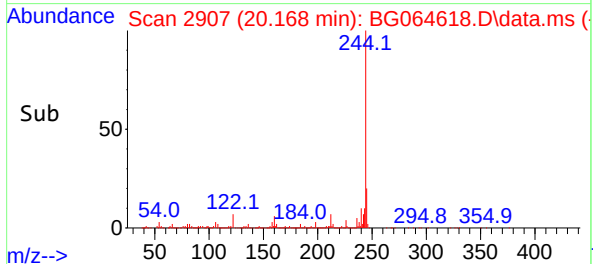
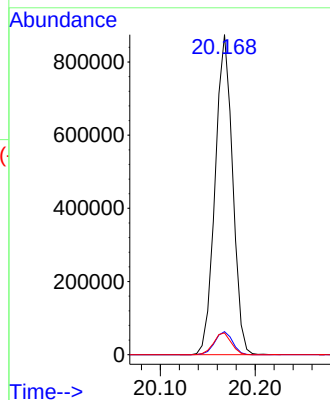
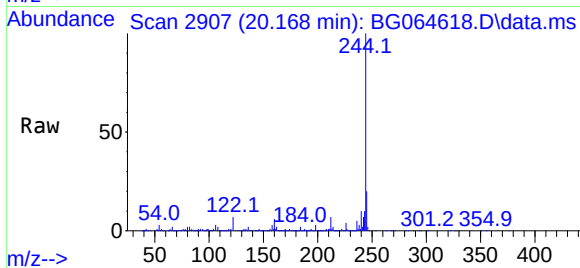




#79
Terphenyl-d14
Concen: 81.066 ng
RT: 20.168 min Scan# 2908
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

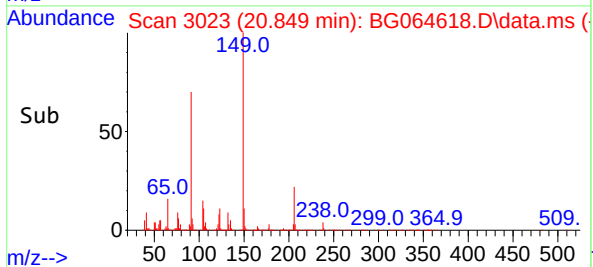
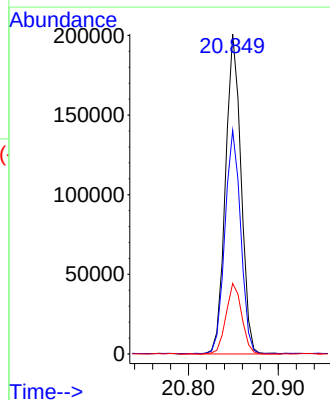
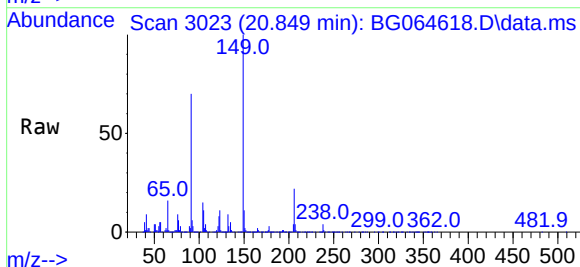
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

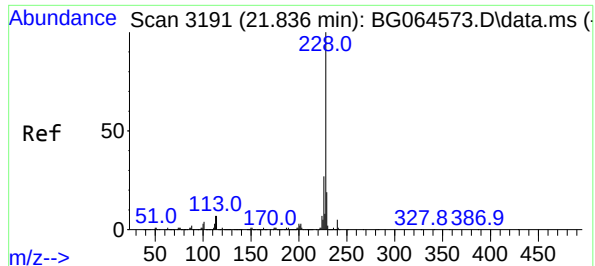
Tgt Ion:244 Resp: 1121232
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 6.8 5.6 8.4



#80
Butylbenzylphthalate
Concen: 46.801 ng
RT: 20.849 min Scan# 3023
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:149 Resp: 241218
Ion Ratio Lower Upper
149 100
91 69.9 59.2 88.8
206 22.1 18.1 27.1



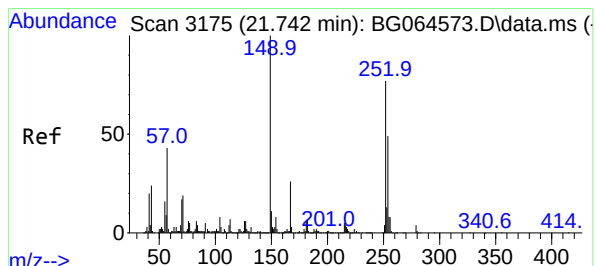
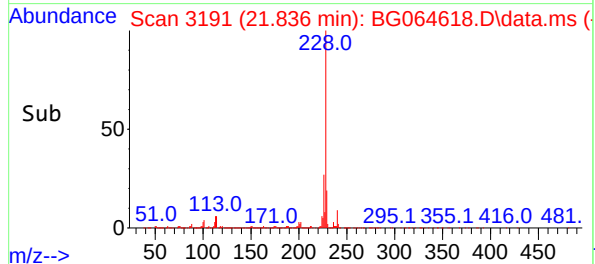
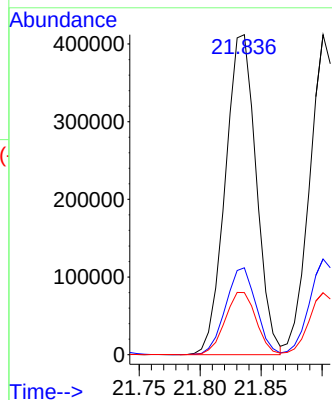
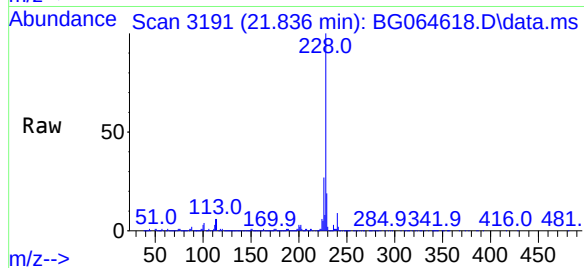


#81
Benzo(a)anthracene
Concen: 42.093 ng
RT: 21.836 min Scan# 3191
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 728489

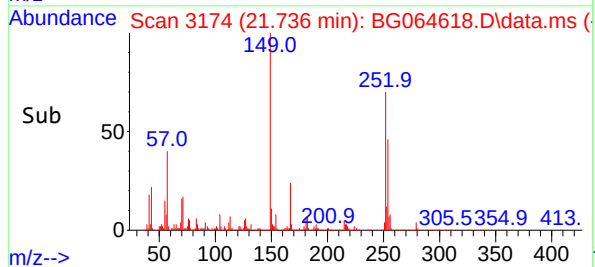
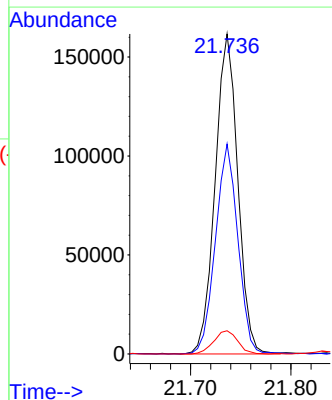
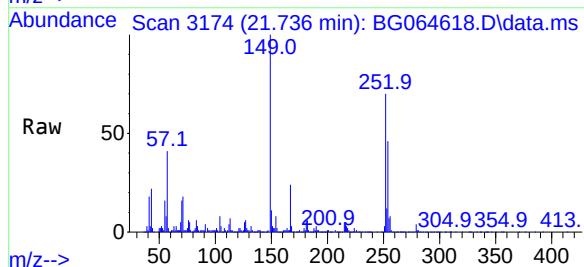
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.4	15.6	23.4

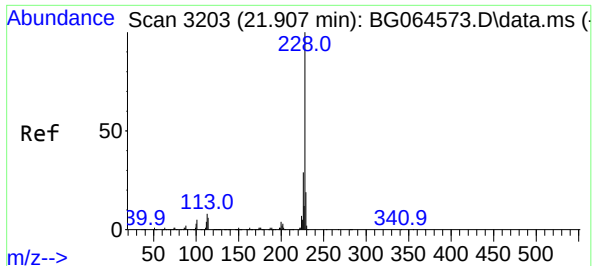


#82
3,3'-Dichlorobenzidine
Concen: 43.737 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:252 Resp: 252767

Ion	Ratio	Lower	Upper
252	100		
254	65.6	50.8	76.2
126	7.2	5.8	8.6



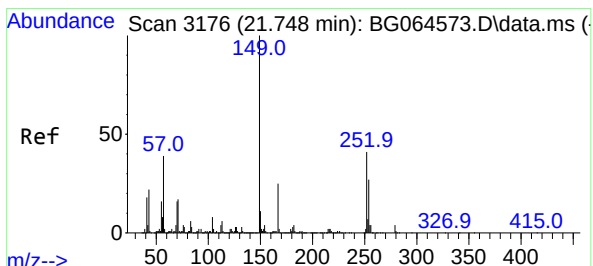
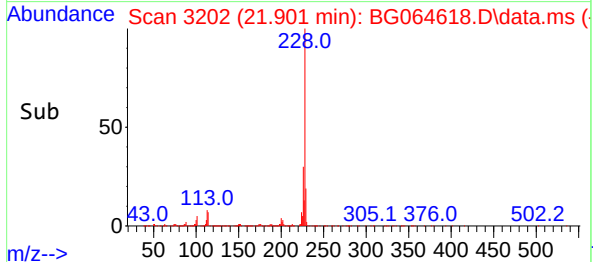
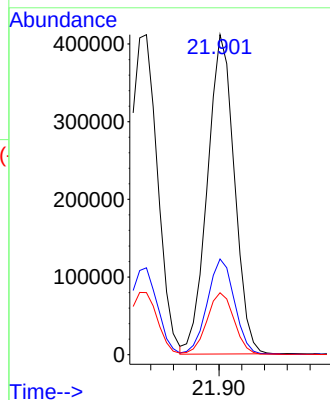
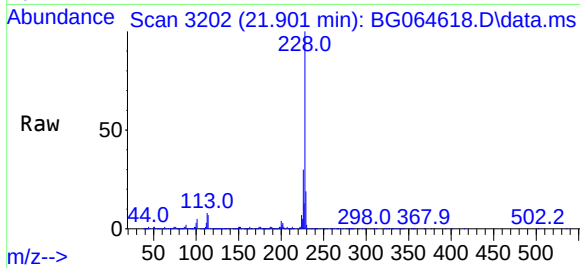


#83
Chrysene
Concen: 41.154 ng
RT: 21.901 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 677717

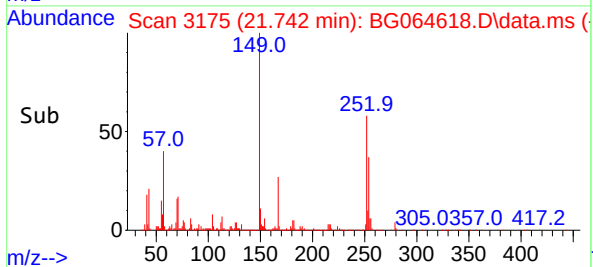
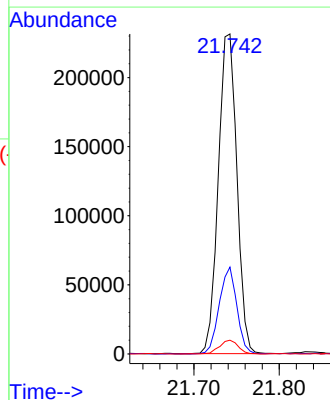
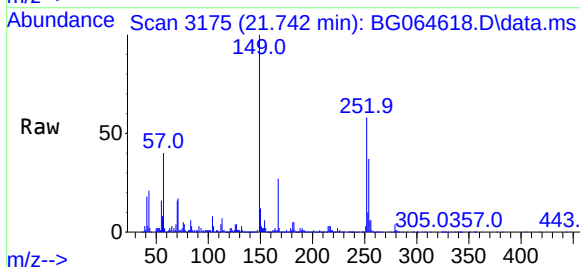
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.3	34.9
229	19.3	15.2	22.8

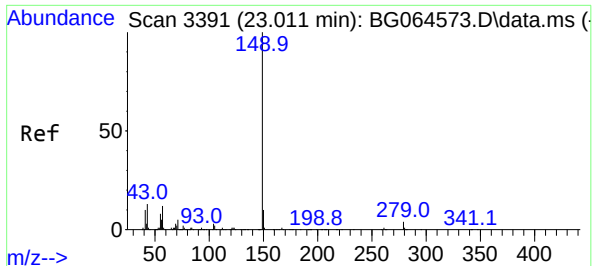


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.515 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:149 Resp: 350537

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.0	30.0
279	4.3	3.1	4.7

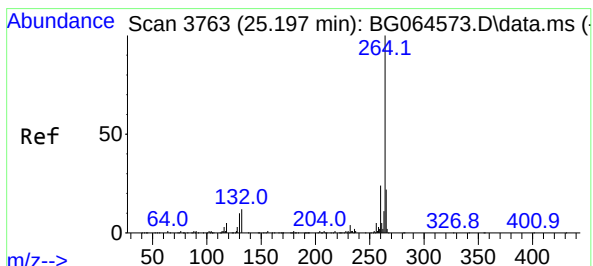
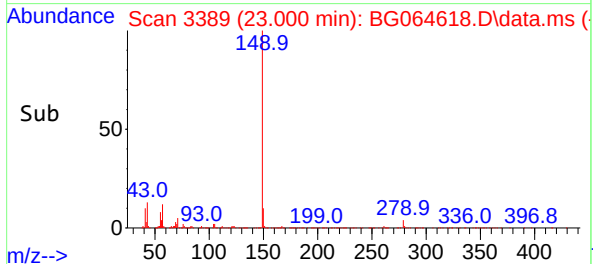
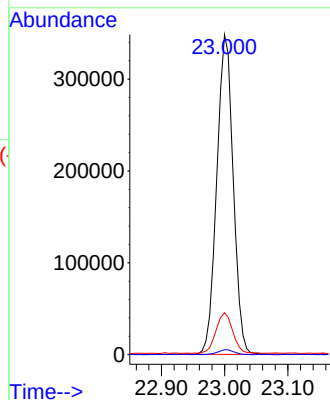
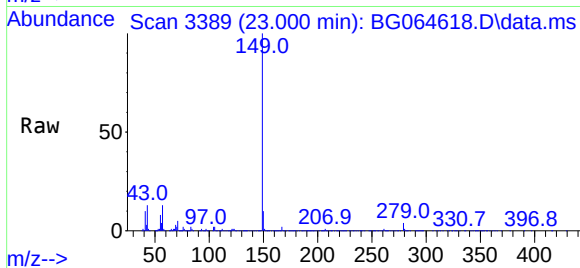




#85
Di-n-octyl phthalate
Concen: 48.350 ng
RT: 23.000 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

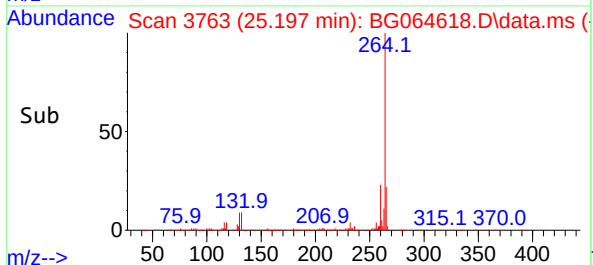
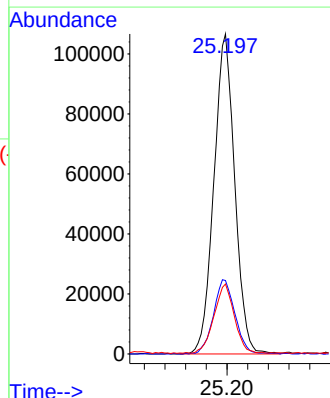
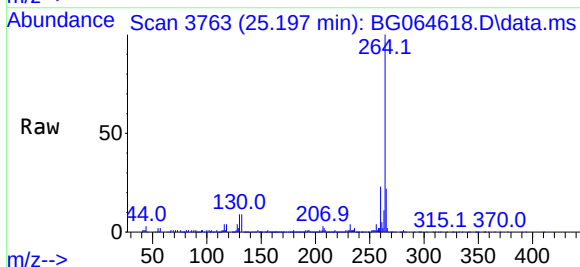
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

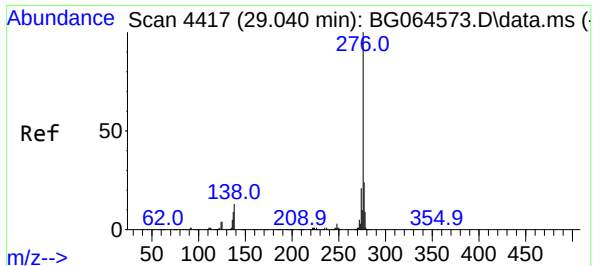
Tgt Ion:149 Resp: 627808
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.0 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:264 Resp: 298207
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.4
265 21.9 17.6 26.4

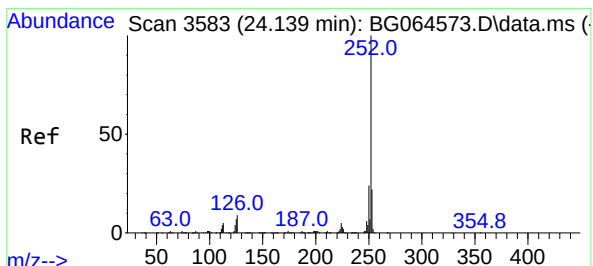
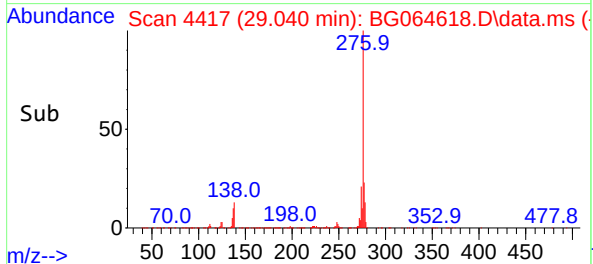
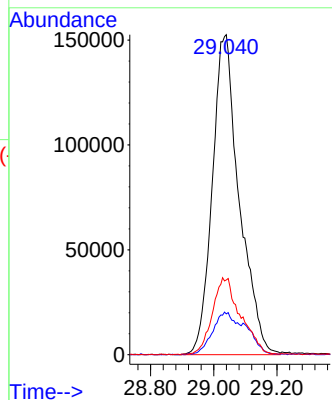
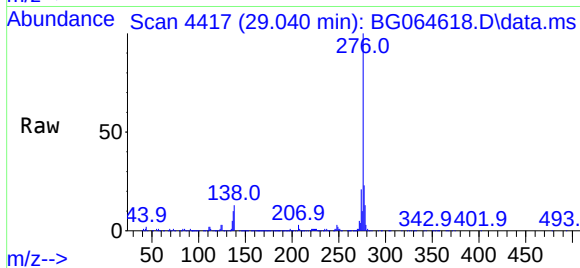




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.308 ng
RT: 29.040 min Scan# 4417
Delta R.T. -0.021 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

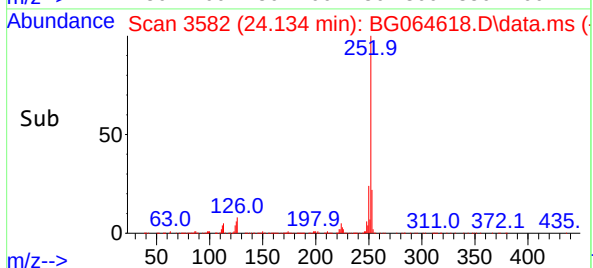
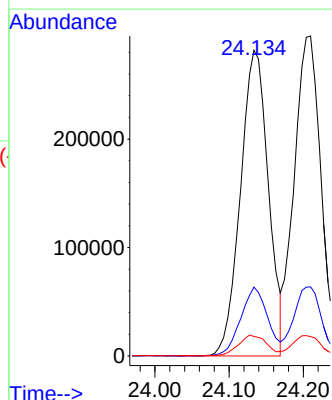
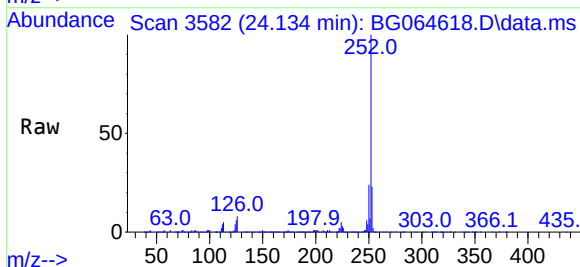
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

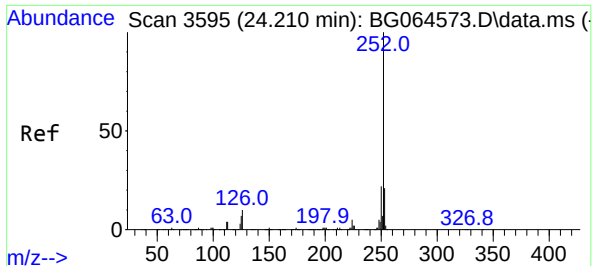
Tgt Ion:276 Resp: 906170
Ion Ratio Lower Upper
276 100
138 11.7 10.8 16.2
277 25.3 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 40.302 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:252 Resp: 736965
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 6.4 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 40.260 ng

RT: 24.210 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

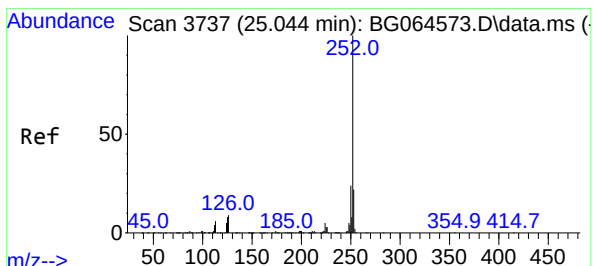
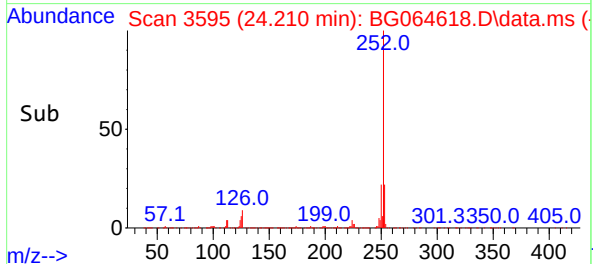
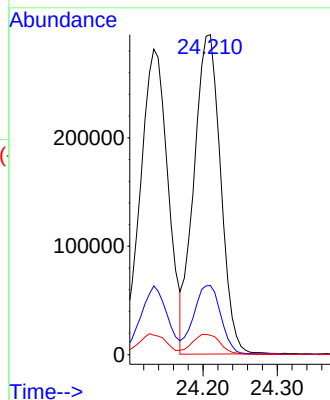
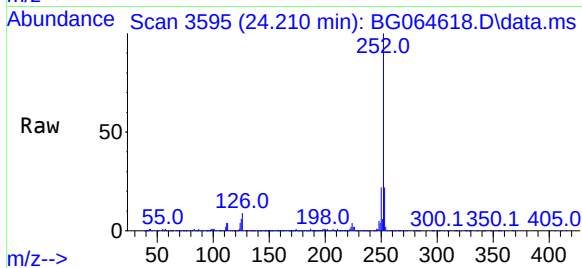
Tgt Ion:252 Resp: 736695

Ion Ratio Lower Upper

252 100

253 21.6 16.8 25.2

125 6.1 5.4 8.0



#90

Benzo(a)pyrene

Concen: 41.067 ng

RT: 25.038 min Scan# 3736

Delta R.T. -0.021 min

Lab File: BG064618.D

Acq: 29 Oct 2025 11:22

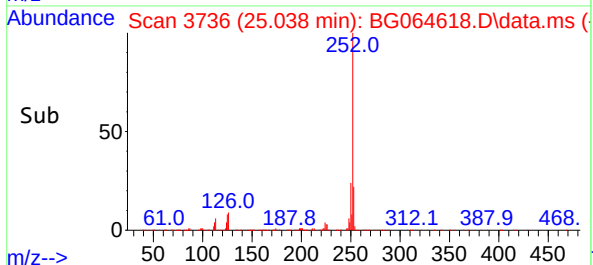
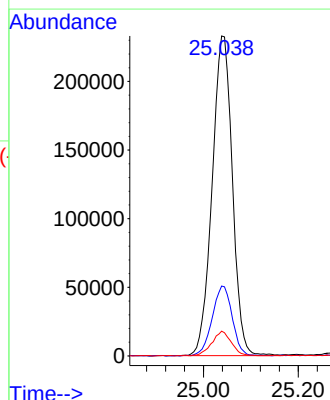
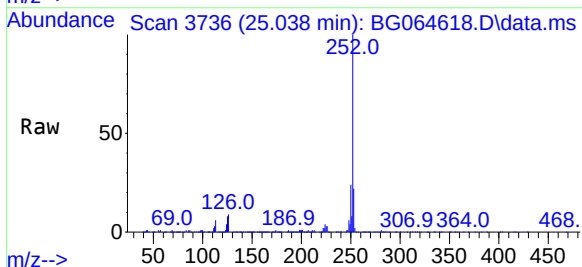
Tgt Ion:252 Resp: 690279

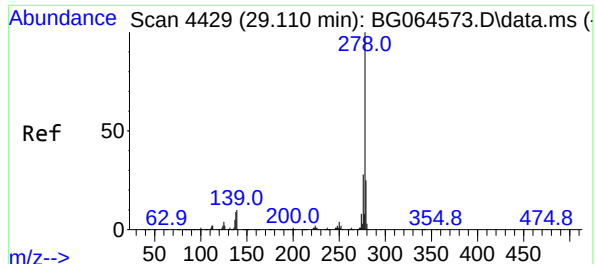
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 7.8 6.1 9.1

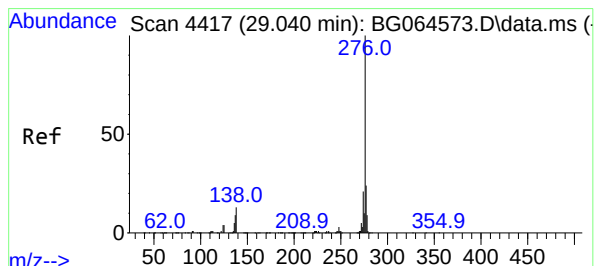
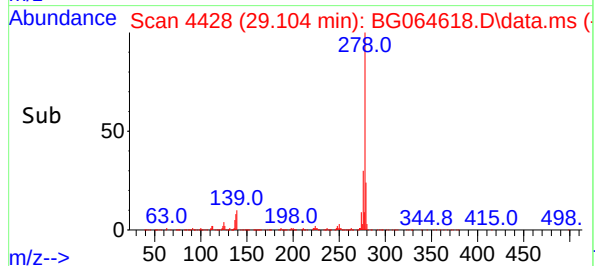
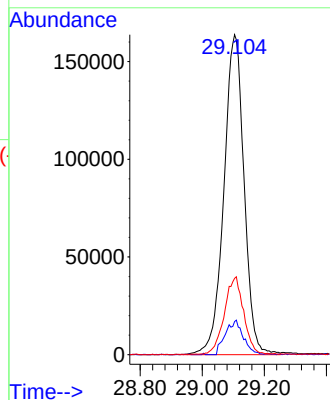
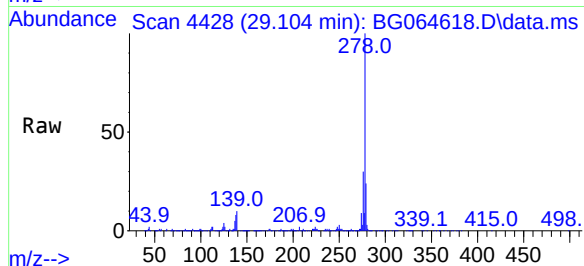




#91
Dibenzo(a,h)anthracene
Concen: 41.529 ng
RT: 29.104 min Scan# 4428
Delta R.T. -0.033 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

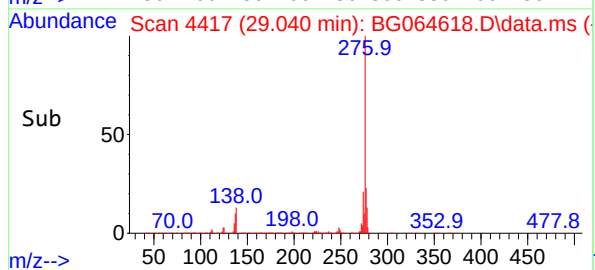
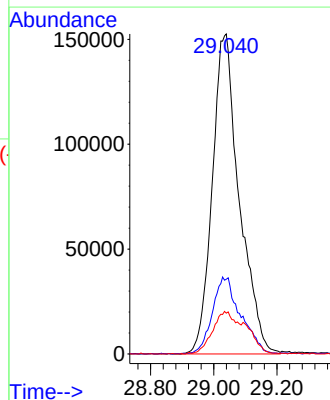
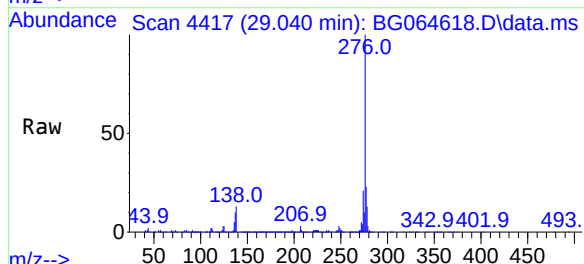
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 740147
Ion Ratio Lower Upper
278 100
139 10.4 8.0 12.0
279 23.9 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 41.308 ng
RT: 29.040 min Scan# 4417
Delta R.T. -0.021 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:276 Resp: 906170
Ion Ratio Lower Upper
276 100
277 23.4 19.2 28.8
138 12.7 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
2	1,4-Dioxane	0.528	0.560	-6.1	97	0.00
3	Pyridine	1.584	1.622	-2.4	89	0.00
4	n-Nitrosodimethylamine	0.850	0.861	-1.3	87	0.00
5 S	2-Fluorophenol	1.192	1.266	-6.2	89	0.00
6	Aniline	2.225	2.273	-2.2	87	0.00
7 S	Phenol-d6	1.635	1.656	-1.3	85	0.00
8	2-Chlorophenol	1.247	1.377	-10.4	91	0.00
9	Benzaldehyde	0.893	0.838	6.2	81	0.00
10 C	Phenol	1.808	1.838	-1.7	86	0.00
11	bis(2-Chloroethyl)ether	2.225	2.273	-2.2	87	0.00
12	1,3-Dichlorobenzene	1.435	1.546	-7.7	93	0.00
13 C	1,4-Dichlorobenzene	1.460	1.553	-6.4	92	0.00
14	1,2-Dichlorobenzene	1.408	1.517	-7.7	93	0.00
15	Benzyl Alcohol	1.348	1.422	-5.5	91	0.00
16	2,2'-oxybis(1-Chloropropane	3.487	3.674	-5.4	90	0.00
17	2-Methylphenol	0.674	0.720	-6.8	88	0.00
18	Hexachloroethane	0.512	0.567	-10.7	95	0.00
19 P	n-Nitroso-di-n-propylamine	1.130	1.223	-8.2	91	0.00
20	3+4-Methylphenols	1.688	1.742	-3.2	87	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	90	0.00
22	Acetophenone	0.547	0.581	-6.2	90	0.00
23 S	Nitrobenzene-d5	0.333	0.401	-20.4	96	0.00
24	Nitrobenzene	0.362	0.429	-18.5	95	0.00
25	Isophorone	0.799	0.833	-4.3	87	0.00
26 C	2-Nitrophenol	0.121	0.168	-38.8#	111	0.00
27	2,4-Dimethylphenol	0.303	0.311	-2.6	84	0.00
28	bis(2-Chloroethoxy)methane	0.455	0.480	-5.5	89	0.00
29 C	2,4-Dichlorophenol	0.320	0.352	-10.0	88	0.00
30	1,2,4-Trichlorobenzene	0.363	0.399	-9.9	92	0.00
31	Naphthalene	1.109	1.159	-4.5	89	0.00
32	Benzoic acid	0.189	0.203	-7.4	90	-0.03
33	4-Chloroaniline	0.431	0.435	-0.9	86	0.00
34 C	Hexachlorobutadiene	0.284	0.322	-13.4	97	0.00
35	Caprolactam	0.123	0.108	12.2	73	-0.03
36 C	4-Chloro-3-methylphenol	0.384	0.389	-1.3	83	0.00
37	2-Methylnaphthalene	0.814	0.836	-2.7	87	0.00
38	1-Methylnaphthalene	0.801	0.825	-3.0	87	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	0.671	0.754	-12.4	90	0.00
41 P	Hexachlorocyclopentadiene	0.302	0.400	-32.5#	103	0.00
42 S	2,4,6-Tribromophenol	0.289	0.312	-8.0	82	0.00
43 C	2,4,6-Trichlorophenol	0.384	0.455	-18.5	90	0.00
44	2,4,5-Trichlorophenol	0.443	0.492	-11.1	85	0.00
45 S	2-Fluorobiphenyl	1.319	1.473	-11.7	89	0.00
46	1,1'-Biphenyl	1.422	1.535	-7.9	86	0.00
47	2-Chloronaphthalene	1.073	1.175	-9.5	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.311	0.378	-21.5	90	0.00
49	Acenaphthylene	1.693	1.770	-4.5	83	0.00
50	Dimethylphthalate	1.530	1.552	-1.4	79	0.00
51	2,6-Dinitrotoluene	0.218	0.272	-24.8	92	0.00
52 C	Acenaphthene	1.157	1.225	-5.9	84	0.00
53	3-Nitroaniline	0.263	0.288	-9.5	82	0.00
54 P	2,4-Dinitrophenol	0.132	0.164	-24.2	100	0.00
55	Dibenzofuran	1.870	1.930	-3.2	82	0.00
56 P	4-Nitrophenol	0.244	0.241	1.2	77	0.00
57	2,4-Dinitrotoluene	0.340	0.396	-16.5	86	0.00
58	Fluorene	1.460	1.476	-1.1	80	0.00
59	2,3,4,6-Tetrachlorophenol	0.424	0.469	-10.6	84	0.00
60	Diethylphthalate	1.563	1.507	3.6	76	0.00
61	4-Chlorophenyl-phenylether	0.820	0.840	-2.4	81	0.00
62	4-Nitroaniline	0.293	0.306	-4.4	78	0.00
63	Azobenzene	1.434	1.404	2.1	76	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	77	0.00
65	4,6-Dinitro-2-methylphenol	0.079	0.104	-31.6#	97	0.00
66 c	n-Nitrosodiphenylamine	0.540	0.582	-7.8	77	0.00
67	4-Bromophenyl-phenylether	0.237	0.262	-10.5	78	0.00
68	Hexachlorobenzene	0.270	0.300	-11.1	79	0.00
69	Atrazine	0.232	0.233	-0.4	73	0.00
70 C	Pentachlorophenol	0.169	0.189	-11.8	81	0.00
71	Phenanthrene	1.094	1.132	-3.5	75	0.00
72	Anthracene	1.113	1.125	-1.1	73	0.00
73	Carbazole	0.981	0.970	1.1	73	0.00
74	Di-n-butylphthalate	1.134	1.140	-0.5	71	0.00
75 C	Fluoranthene	1.370	1.343	2.0	72	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	78	0.00
77	Benzydine	0.448	0.509	-13.6	81	0.00
78	Pyrene	1.307	1.322	-1.1	73	0.00
79 S	Terphenyl-d14	1.060	1.074	-1.3	74	0.00
80	Butylbenzylphthalate	0.395	0.462	-17.0	80	0.00
81	Benzo(a)anthracene	1.326	1.395	-5.2	77	0.00
82	3,3'-Dichlorobenzidine	0.443	0.484	-9.3	80	0.00
83	Chrysene	1.262	1.298	-2.9	76	0.00
84	Bis(2-ethylhexyl)phthalate	0.590	0.671	-13.7	78	0.00
85 c	Di-n-octyl phthalate	0.995	1.203	-20.9#	87	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	85	0.00
87	Indeno(1,2,3-cd)pyrene	1.471	1.519	-3.3	82	-0.02
88	Benzo(b)fluoranthene	1.226	1.236	-0.8	79	0.00
89	Benzo(k)fluoranthene	1.227	1.235	-0.7	82	0.00
90 C	Benzo(a)pyrene	1.127	1.157	-2.7	82	-0.02
91	Dibenzo(a,h)anthracene	1.195	1.241	-3.8	83	-0.03
92	Benzo(g,h,i)perylene	1.471	1.519	-3.3	82	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 2

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	91	0.00
2	1,4-Dioxane	40.000	42.495	-6.2	97	0.00
3	Pyridine	40.000	40.966	-2.4	89	0.00
4	n-Nitrosodimethylamine	40.000	40.532	-1.3	87	0.00
5 S	2-Fluorophenol	80.000	84.991	-6.2	89	0.00
6	Aniline	40.000	40.860	-2.1	87	0.00
7 S	Phenol-d6	80.000	81.009	-1.3	85	0.00
8	2-Chlorophenol	40.000	44.170	-10.4	91	0.00
9	Benzaldehyde	40.000	37.558	6.1	81	0.00
10 C	Phenol	40.000	40.664	-1.7	86	0.00
11	bis(2-Chloroethyl)ether	40.000	40.860	-2.1	87	0.00
12	1,3-Dichlorobenzene	40.000	43.073	-7.7	93	0.00
13 C	1,4-Dichlorobenzene	40.000	42.552	-6.4	92	0.00
14	1,2-Dichlorobenzene	40.000	43.105	-7.8	93	0.00
15	Benzyl Alcohol	40.000	42.201	-5.5	91	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	42.138	-5.3	90	0.00
17	2-Methylphenol	40.000	42.752	-6.9	88	0.00
18	Hexachloroethane	40.000	44.282	-10.7	95	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	43.275	-8.2	91	0.00
20	3+4-Methylphenols	40.000	41.279	-3.2	87	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	90	0.00
22	Acetophenone	40.000	42.523	-6.3	90	0.00
23 S	Nitrobenzene-d5	80.000	96.333	-20.4	96	0.00
24	Nitrobenzene	40.000	47.355	-18.4	95	0.00
25	Isophorone	40.000	41.695	-4.2	87	0.00
26 C	2-Nitrophenol	40.000	47.979	-19.9	111	0.00
27	2,4-Dimethylphenol	40.000	41.002	-2.5	84	0.00
28	bis(2-Chloroethoxy)methane	40.000	42.170	-5.4	89	0.00
29 C	2,4-Dichlorophenol	40.000	44.058	-10.1	88	0.00
30	1,2,4-Trichlorobenzene	40.000	43.927	-9.8	92	0.00
31	Naphthalene	40.000	41.819	-4.5	89	0.00
32	Benzoic acid	40.000	38.781	3.0	90	-0.03
33	4-Chloroaniline	40.000	40.373	-0.9	86	0.00
34 C	Hexachlorobutadiene	40.000	45.306	-13.3	97	0.00
35	Caprolactam	40.000	35.362	11.6	73	-0.03
36 C	4-Chloro-3-methylphenol	40.000	40.462	-1.2	83	0.00
37	2-Methylnaphthalene	40.000	41.085	-2.7	87	0.00
38	1-Methylnaphthalene	40.000	41.190	-3.0	87	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	44.962	-12.4	90	0.00
41 P	Hexachlorocyclopentadiene	40.000	52.985	-32.5#	103	0.00
42 S	2,4,6-Tribromophenol	80.000	86.403	-8.0	82	0.00
43 C	2,4,6-Trichlorophenol	40.000	47.391	-18.5	90	0.00
44	2,4,5-Trichlorophenol	40.000	44.415	-11.0	85	0.00
45 S	2-Fluorobiphenyl	80.000	89.318	-11.6	89	0.00
46	1,1'-Biphenyl	40.000	43.180	-7.9	86	0.00
47	2-Chloronaphthalene	40.000	43.804	-9.5	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.351	-5.9	90	0.00
49	Acenaphthylene	40.000	41.830	-4.6	83	0.00
50	Dimethylphthalate	40.000	40.572	-1.4	79	0.00
51	2,6-Dinitrotoluene	40.000	43.351	-8.4	92	0.00
52 C	Acenaphthene	40.000	42.377	-5.9	84	0.00
53	3-Nitroaniline	40.000	43.773	-9.4	82	0.00
54 P	2,4-Dinitrophenol	40.000	44.922	-12.3	100	0.00
55	Dibenzofuran	40.000	41.281	-3.2	82	0.00
56 P	4-Nitrophenol	40.000	39.540	1.2	77	0.00
57	2,4-Dinitrotoluene	40.000	41.073	-2.7	86	0.00
58	Fluorene	40.000	40.432	-1.1	80	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	44.298	-10.7	84	0.00
60	Diethylphthalate	40.000	38.582	3.5	76	0.00
61	4-Chlorophenyl-phenylether	40.000	40.979	-2.4	81	0.00
62	4-Nitroaniline	40.000	41.786	-4.5	78	0.00
63	Azobenzene	40.000	39.183	2.0	76	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	77	0.00
65	4,6-Dinitro-2-methylphenol	40.000	47.448	-18.6	97	0.00
66 c	n-Nitrosodiphenylamine	40.000	43.085	-7.7	77	0.00
67	4-Bromophenyl-phenylether	40.000	44.163	-10.4	78	0.00
68	Hexachlorobenzene	40.000	44.415	-11.0	79	0.00
69	Atrazine	40.000	40.031	-0.1	73	0.00
70 C	Pentachlorophenol	40.000	44.939	-12.3	81	0.00
71	Phenanthrene	40.000	41.397	-3.5	75	0.00
72	Anthracene	40.000	40.436	-1.1	73	0.00
73	Carbazole	40.000	39.556	1.1	73	0.00
74	Di-n-butylphthalate	40.000	40.184	-0.5	71	0.00
75 C	Fluoranthene	40.000	39.193	2.0	72	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	78	0.00
77	Benzydine	40.000	45.404	-13.5	81	0.00
78	Pyrene	40.000	40.467	-1.2	73	0.00
79 S	Terphenyl-d14	80.000	81.066	-1.3	74	0.00
80	Butylbenzylphthalate	40.000	46.801	-17.0	80	0.00
81	Benzo(a)anthracene	40.000	42.093	-5.2	77	0.00
82	3,3'-Dichlorobenzidine	40.000	43.737	-9.3	80	0.00
83	Chrysene	40.000	41.154	-2.9	76	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.515	-13.8	78	0.00
85 c	Di-n-octyl phthalate	40.000	48.350	-20.9#	87	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	85	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	41.308	-3.3	82	-0.02
88	Benzo(b)fluoranthene	40.000	40.302	-0.8	79	0.00
89	Benzo(k)fluoranthene	40.000	40.260	-0.6	82	0.00
90 C	Benzo(a)pyrene	40.000	41.067	-2.7	82	-0.02
91	Dibenzo(a,h)anthracene	40.000	41.529	-3.8	83	-0.03
92	Benzo(g,h,i)perylene	40.000	41.308	-3.3	82	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 1



QC SAMPLE DATA

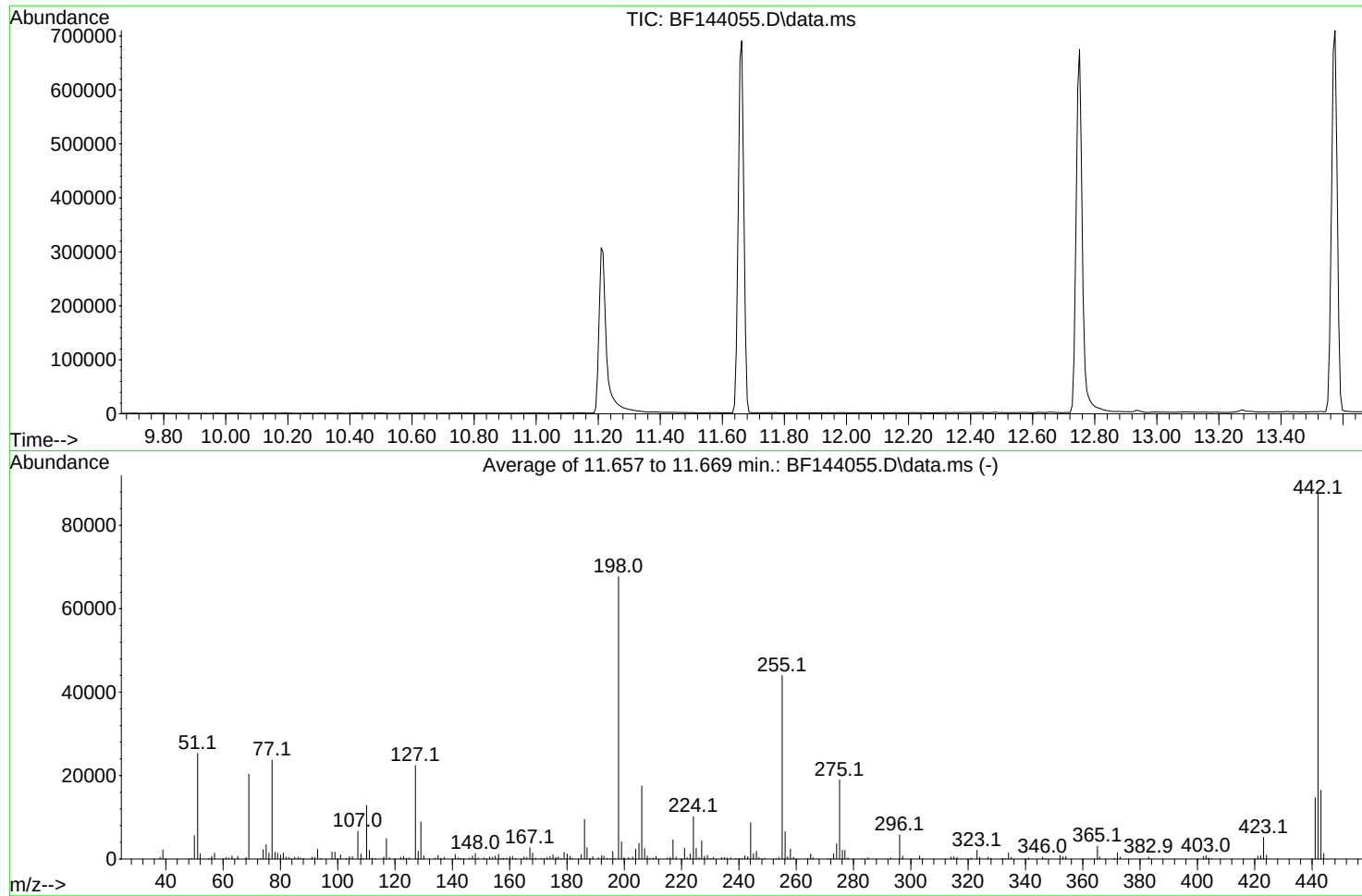
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144055.D
Acq On : 24 Oct 2025 09:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 17:30:25 2025



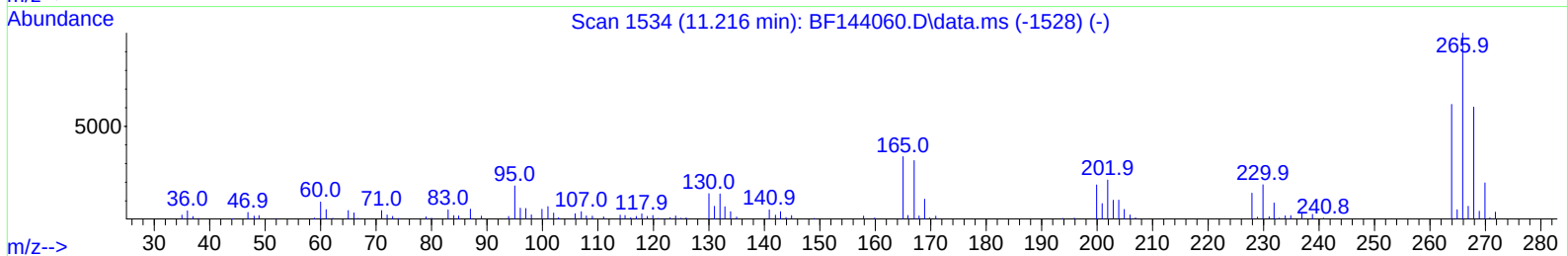
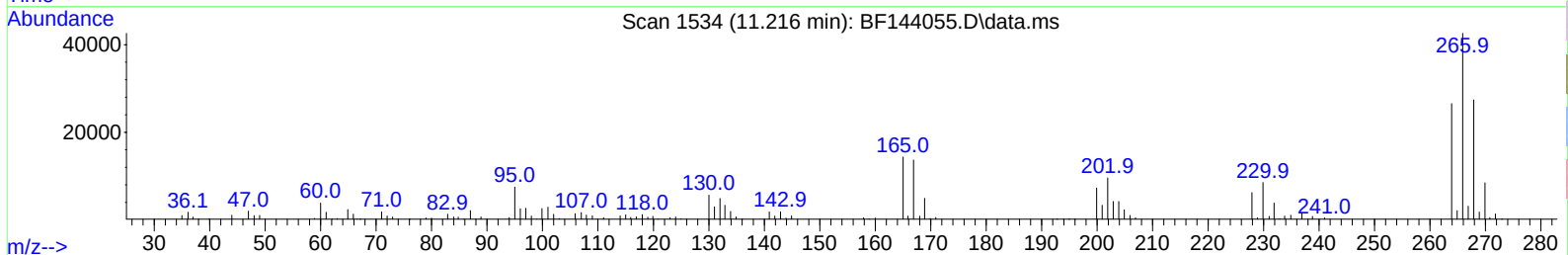
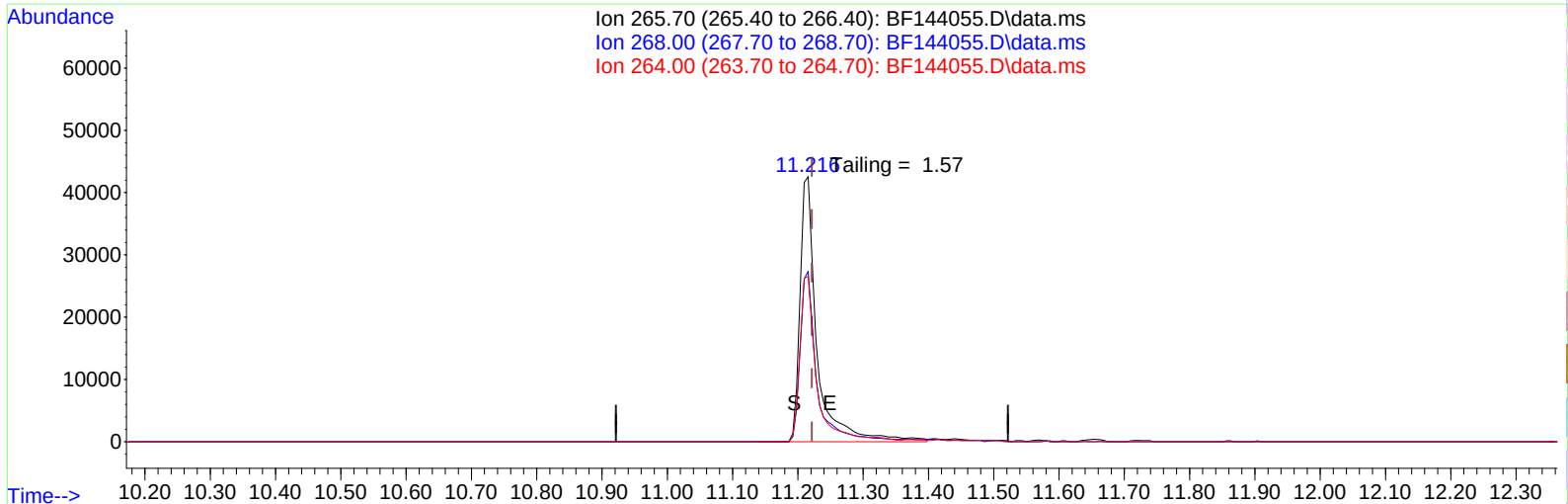
AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.6	333	PASS
69	69	100	100	100.0	20363	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.2	133	PASS
198	198	100	100	100.0	67712	PASS
199	198	5	9	6.1	4142	PASS
365	198	1	100	4.5	3052	PASS
441	443	0.01	150	89.0	14677	PASS
442	442	100	100	100.0	87547	PASS
443	442	15	24	18.8	16486	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144055.D
Acq On : 24 Oct 2025 09:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 24 10:43:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



TIC: BF144055.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 43857.19 ng

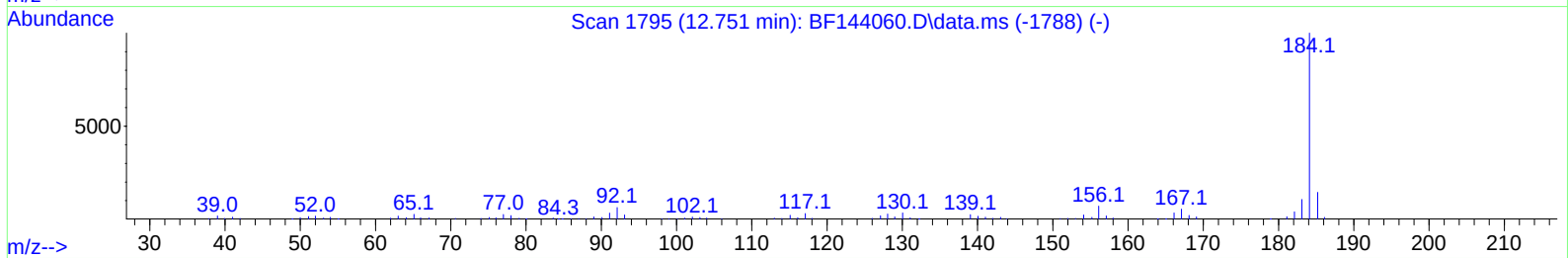
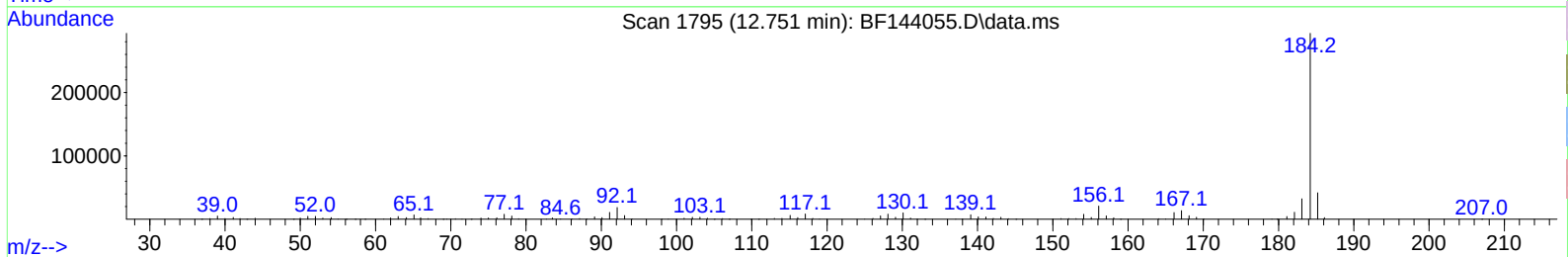
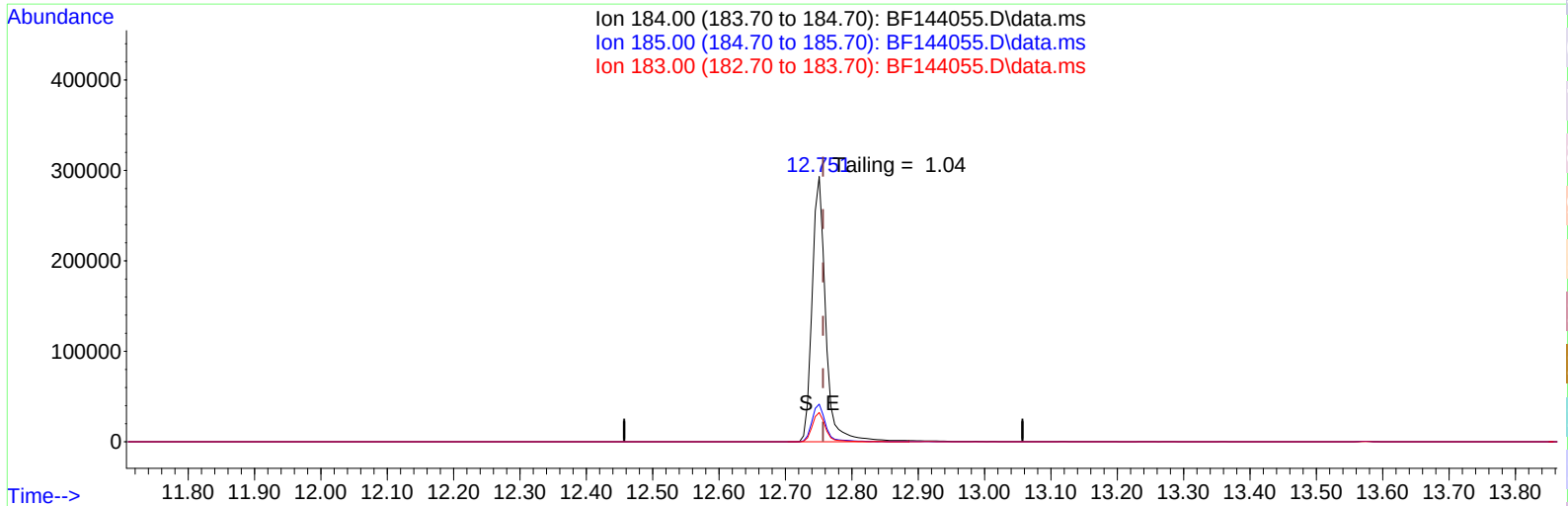
response 76701

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	64.29
264.00	64.70	62.39
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144055.D
Acq On : 24 Oct 2025 09:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 24 10:43:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



TIC: BF144055.D\data.ms

(77) Benzidine

12.751min (-0.006) 0.00 ng

response 416414

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.23
183.00	11.00	11.07
0.00	0.00	0.00

DDT Breakdown

Instrument :
BNA_F
ClientSampleId :
DFTPP

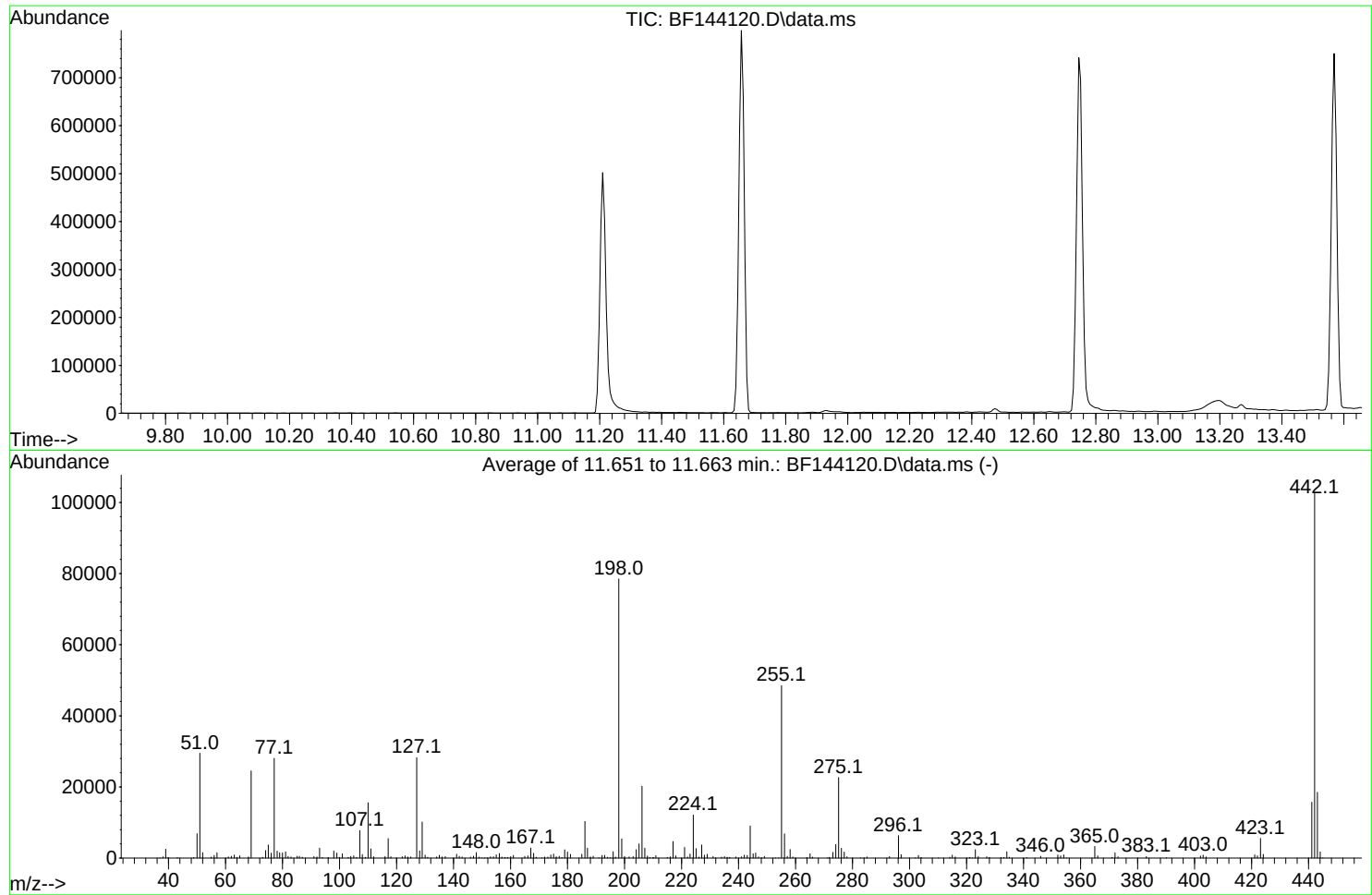
Date	Instrument Name	DFTPP Data File
10/24/2025	BNA_F	<u>BF144055.D</u>
Compound Name	Response	Retention Time
DDT	192449	13.574
DDD	3266	13.274
DDE	1346	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
4612	197061	2.34

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144120.D
Acq On : 29 Oct 2025 11:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 17:30:25 2025



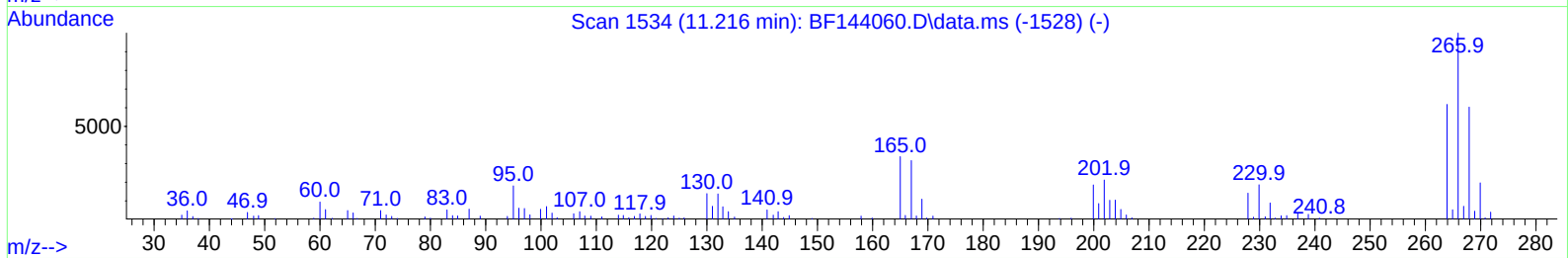
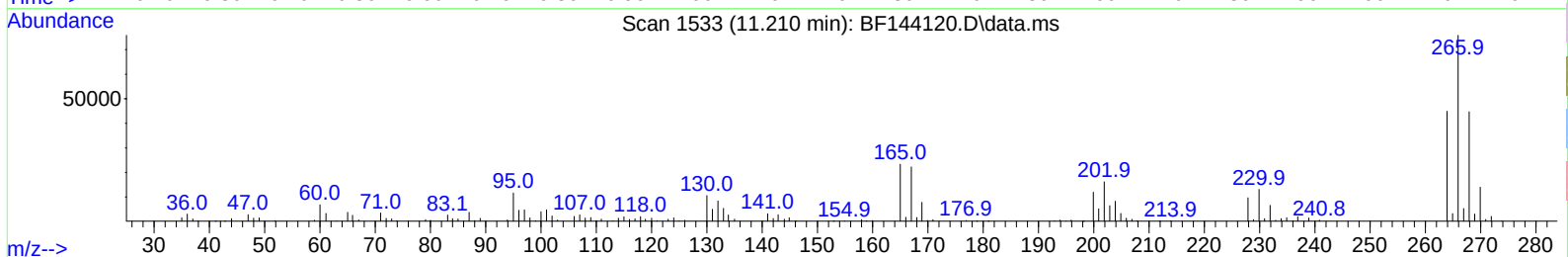
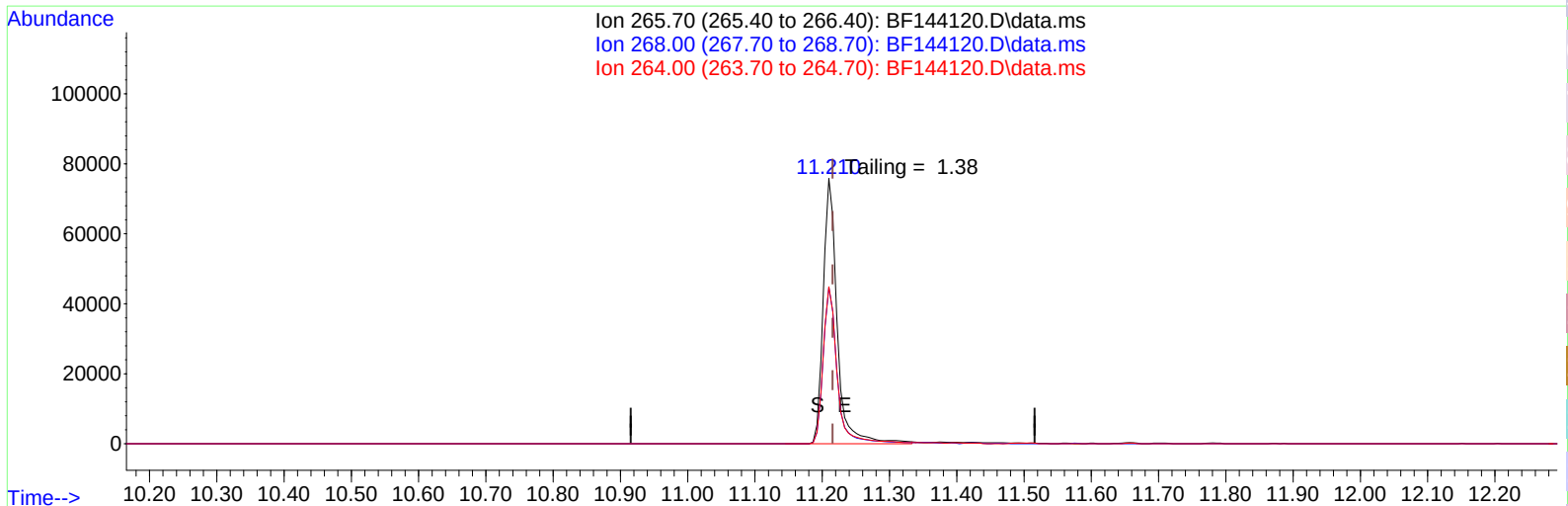
AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.3	329	PASS
69	69	100	100	100.0	24539	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.4	309	PASS
198	198	100	100	100.0	78523	PASS
199	198	5	9	6.9	5389	PASS
365	198	1	100	4.2	3266	PASS
441	443	0.01	150	84.9	15712	PASS
442	442	100	100	100.0	102557	PASS
443	442	15	24	18.0	18498	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144120.D
Acq On : 29 Oct 2025 11:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 29 12:26:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



TIC: BF144120.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 40226.81 ng

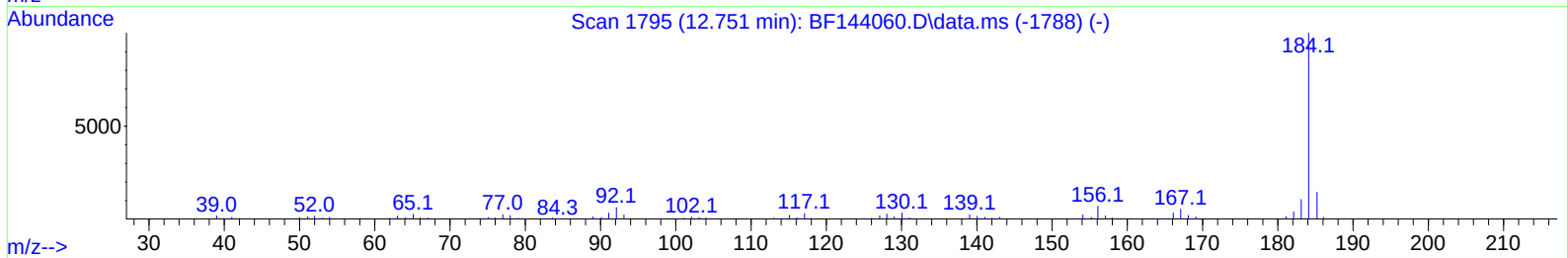
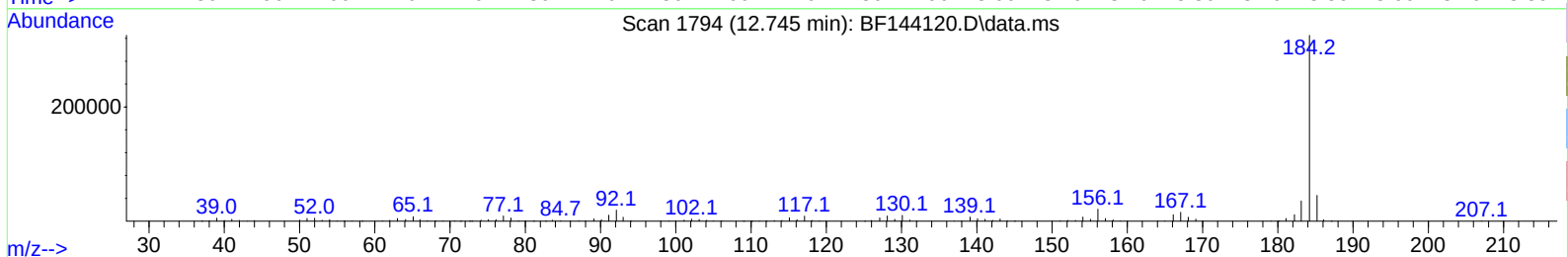
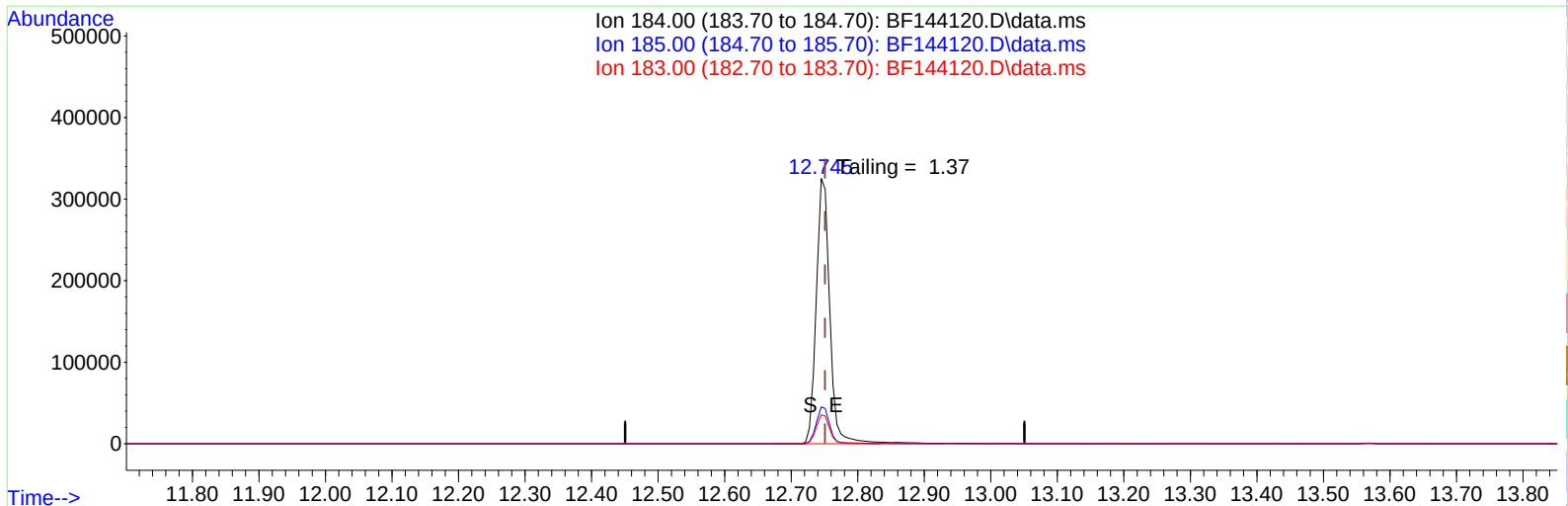
response 108496

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	60.30	59.00
264.00	61.70	59.22
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144120.D
Acq On : 29 Oct 2025 11:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 29 12:26:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



TIC: BF144120.D\data.ms

(77) Benzidine

12.745min (-0.006) 267936.77 ng

response 458627

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	13.88
183.00	10.60	10.97
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

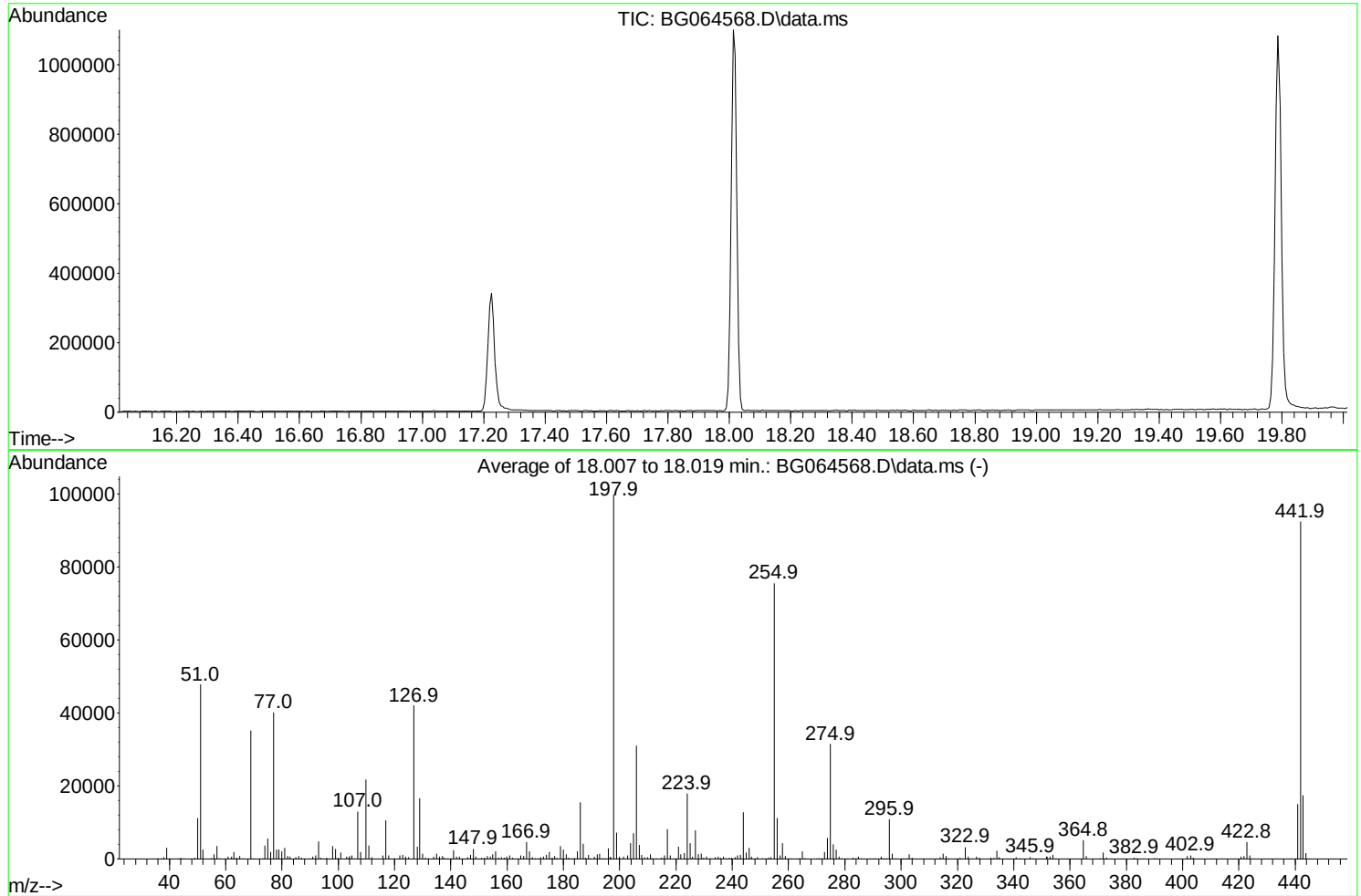
Date	Instrument Name	DFTPP Data File
10/29/2025	BNA_F	<u>BF144120.D</u>
Compound Name	Response	Retention Time
DDT	197272	13.569
DDD	5071	13.269
DDE	134	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5205	202477	2.57

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



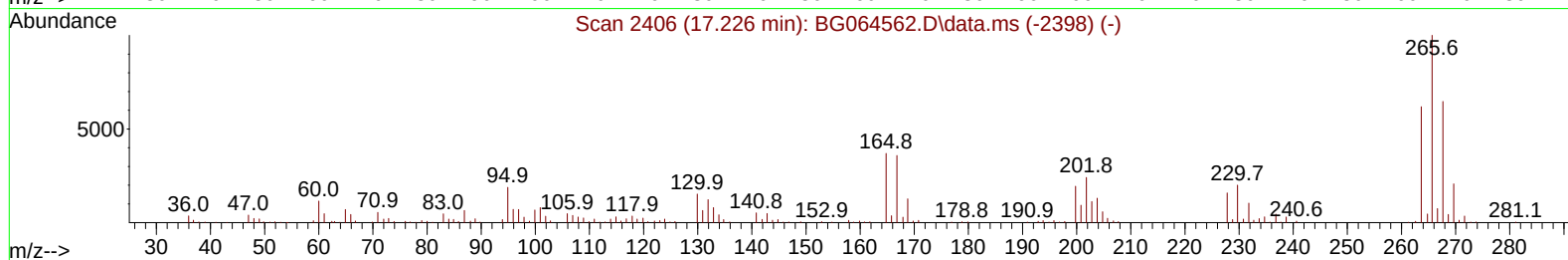
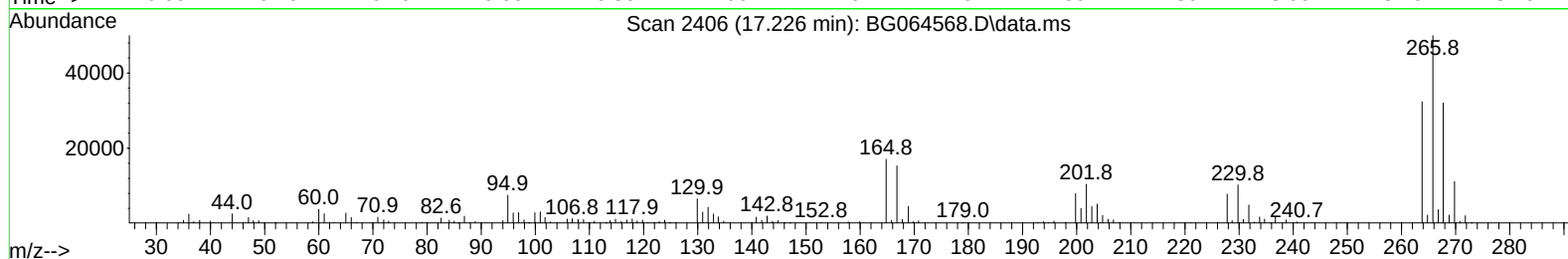
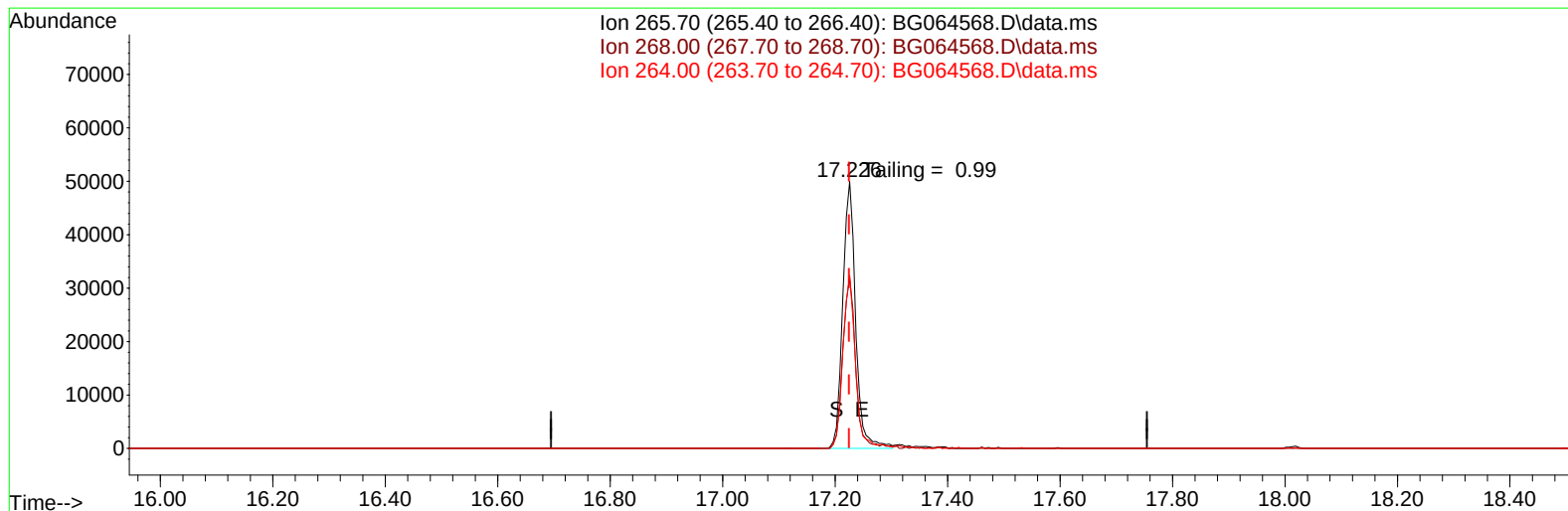
AutoFind: Scans 2539, 2540, 2541; Background Corrected with Scan 2533

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	35203	PASS
70	69	0.00	2	0.2	70	PASS
197	198	0.00	2	0.4	428	PASS
198	198	100	100	100.0	99864	PASS
199	198	5	9	7.2	7222	PASS
365	198	1	100	5.1	5094	PASS
441	443	0.01	150	86.3	15073	PASS
442	442	100	100	100.0	92525	PASS
443	442	15	24	18.9	17468	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration



TIC: BG064568.D\data.ms

(70) Pentachlorophenol (C)

17.226min (+ 0.001) 15878.32 ng

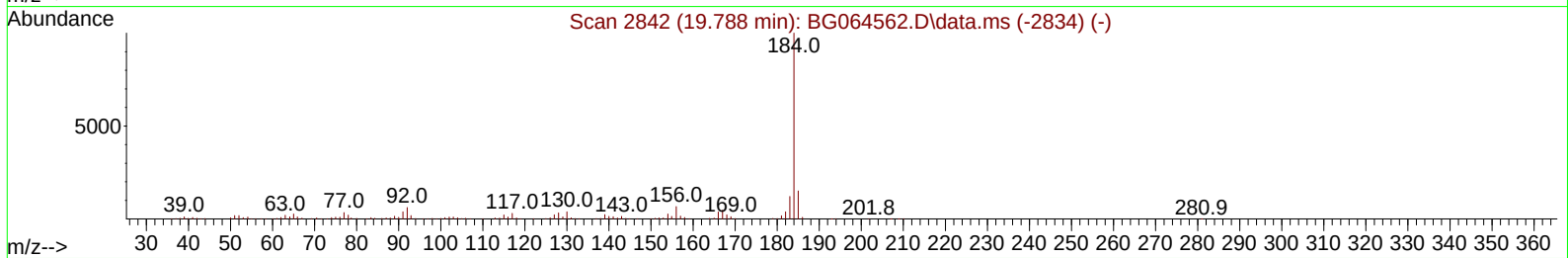
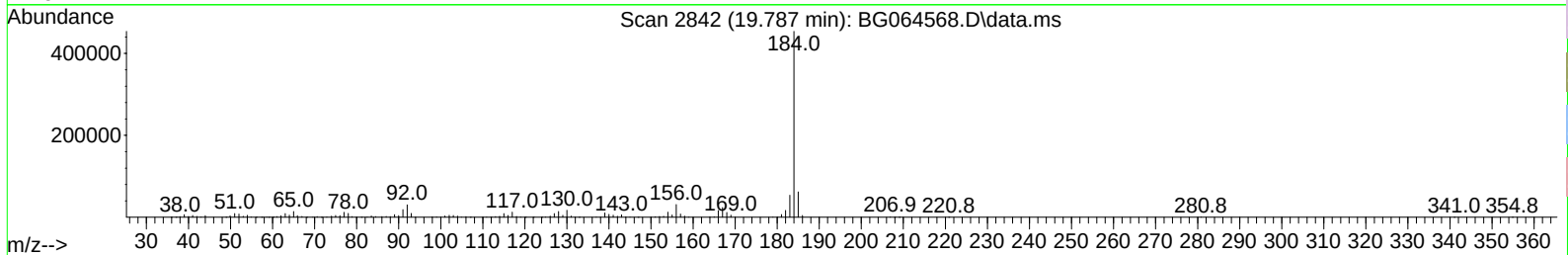
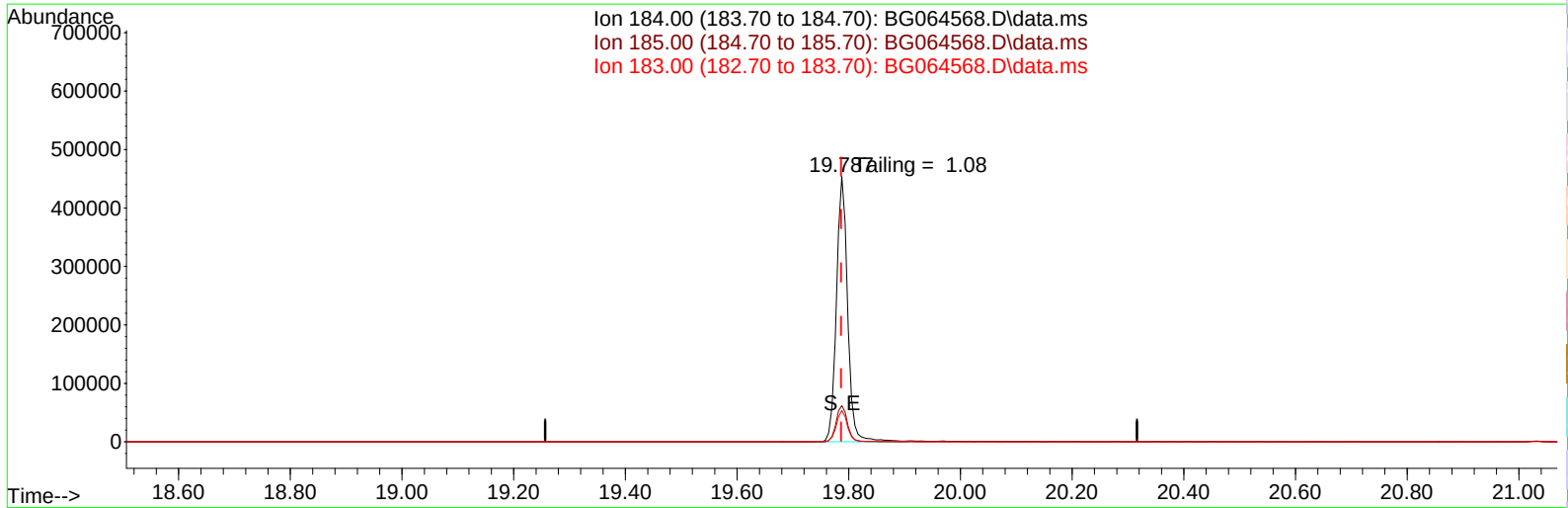
response 79720

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	69.10	64.11
264.00	61.90	64.80
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration



TIC: BG064568.D\data.ms

(77) Benzidine

19.787min (+ 0.001) 0.00 ng

response 632825

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	13.68
183.00	12.10	11.84
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

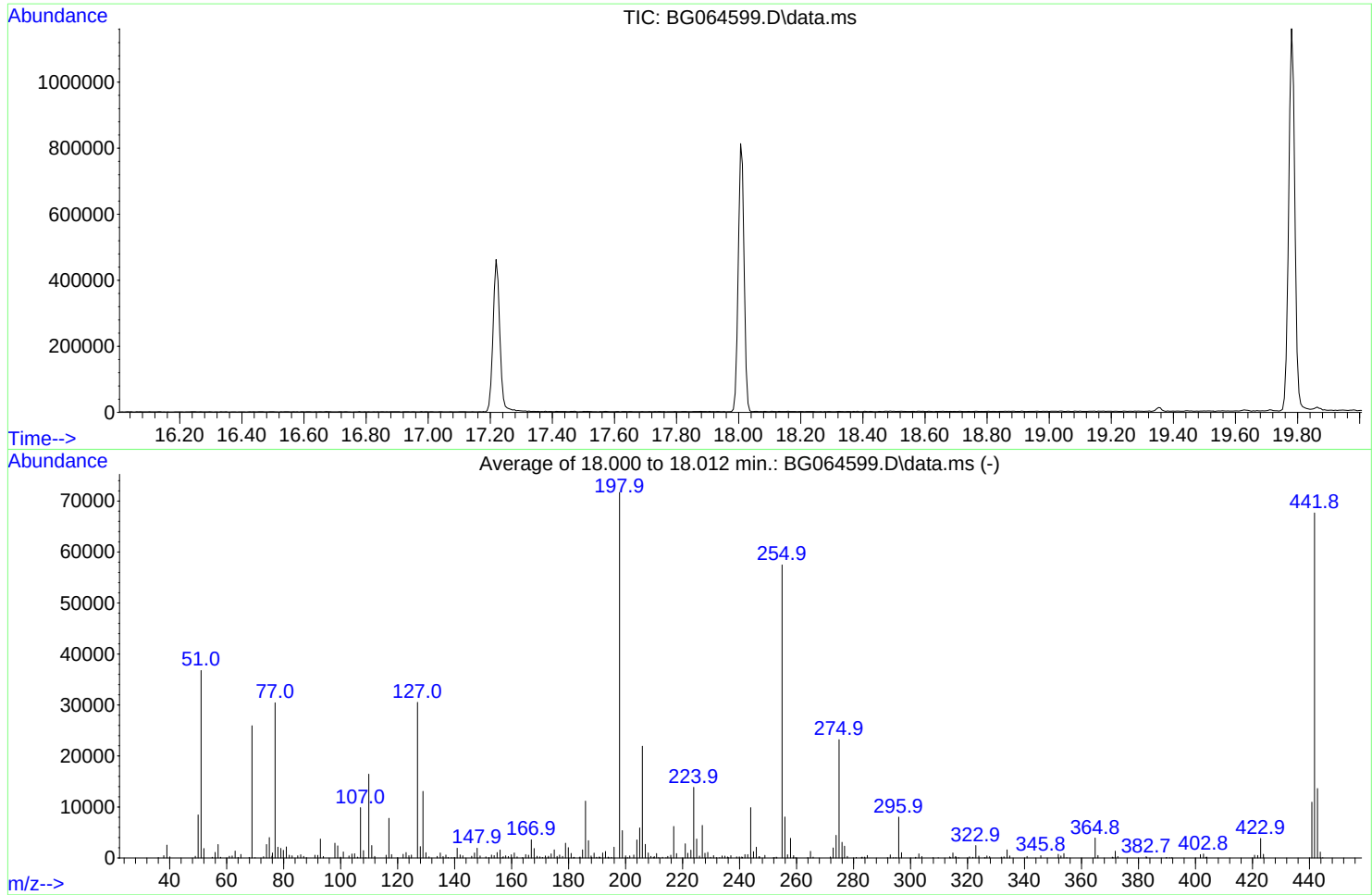
Date	Instrument Name	DFTPP Data File
10/24/2025	BNA_G	BG064568.D
Compound Name	Response	Retention Time
DDT	249894	21.033
DDD	4771	20.586
DDE	827	20.087
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5598	255492	2.19

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064599.D
Acq On : 28 Oct 2025 13:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



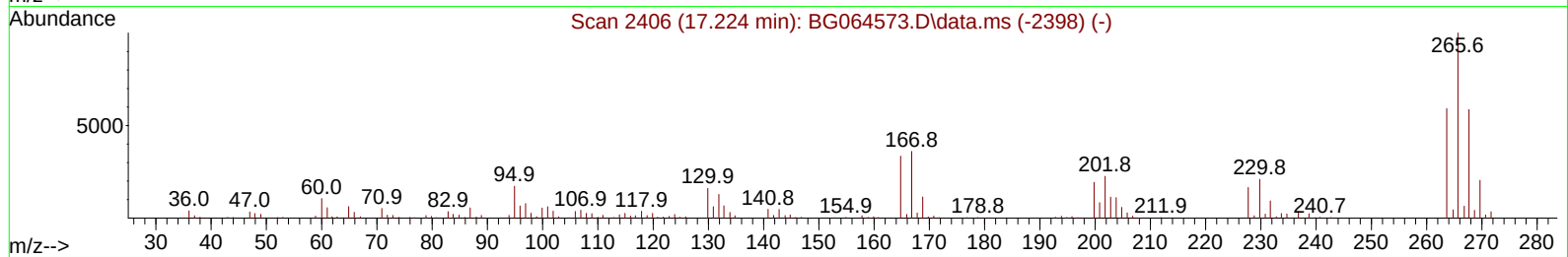
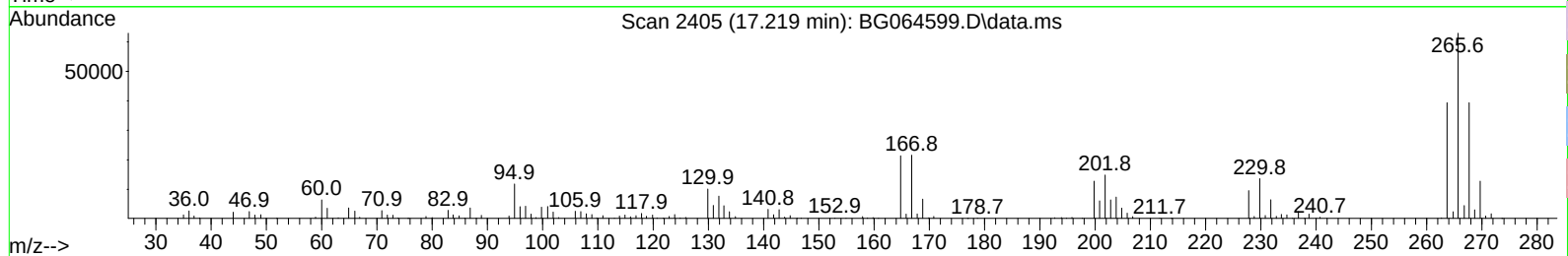
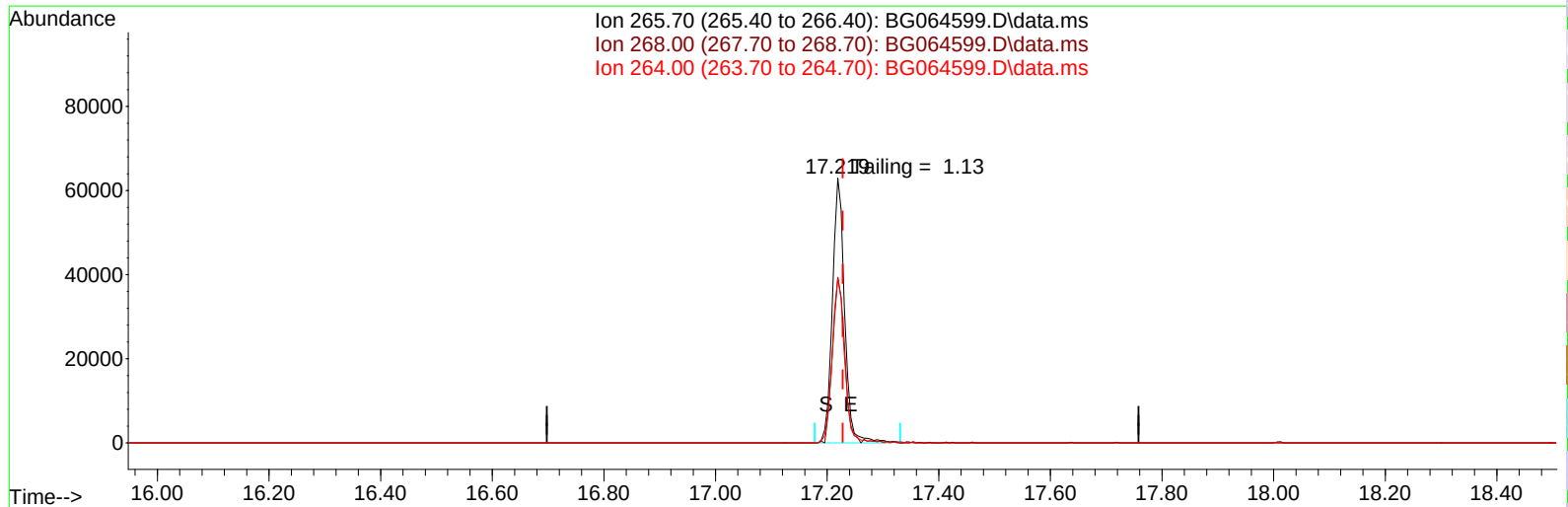
AutoFind: Scans 2538, 2539, 2540; Background Corrected with Scan 2532

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	0.5	120	PASS
69	69	100	100	100.0	25923	PASS
70	69	0.00	2	0.2	56	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	71661	PASS
199	198	5	9	7.5	5384	PASS
365	198	1	100	5.5	3911	PASS
441	443	0.01	150	80.3	10936	PASS
442	442	100	100	100.0	67661	PASS
443	442	15	24	20.1	13611	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064599.D
Acq On : 28 Oct 2025 13:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 28 13:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



TIC: BG064599.D\data.ms

(70) Pentachlorophenol (C)

17.219min (-0.009) 17647.50 ng

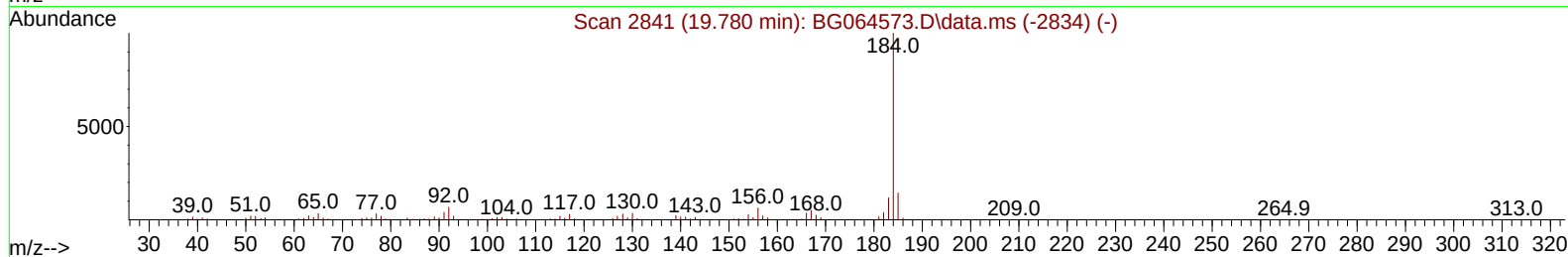
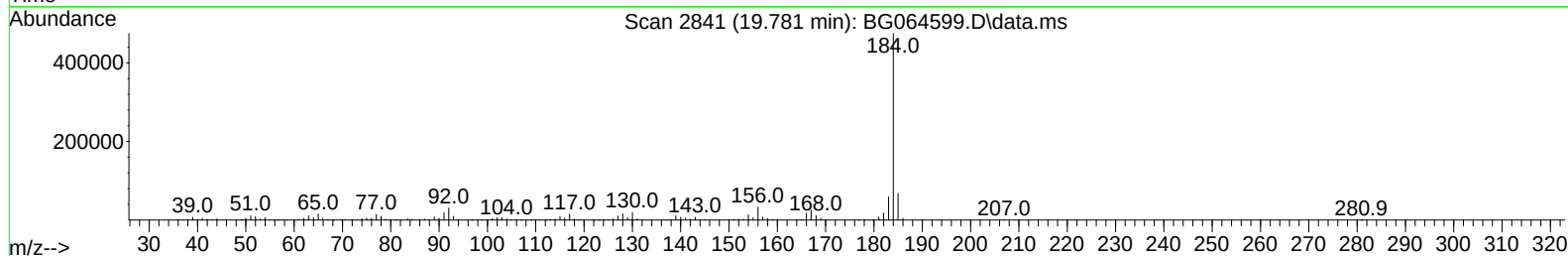
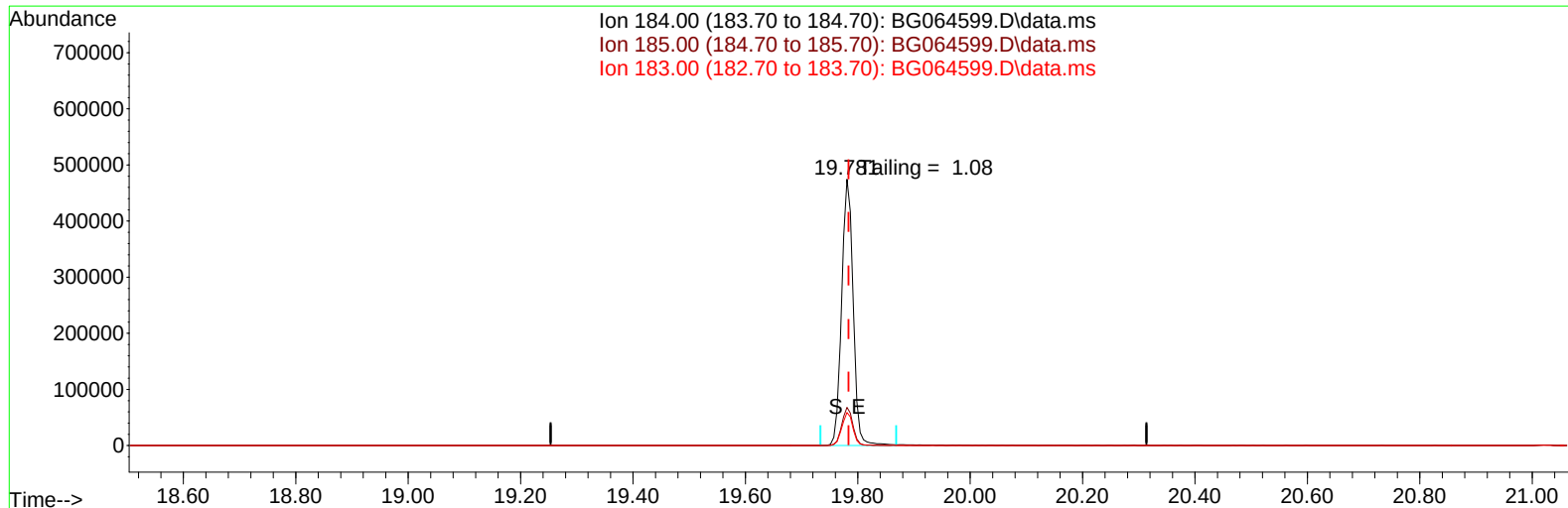
response 95812

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	67.39
264.00	59.10	62.54
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064599.D
Acq On : 28 Oct 2025 13:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 28 13:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



TIC: BG064599.D\data.ms

(77) Benzidine

19.781min (-0.003) 0.00 ng

response 671639

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.33
183.00	11.80	12.43
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

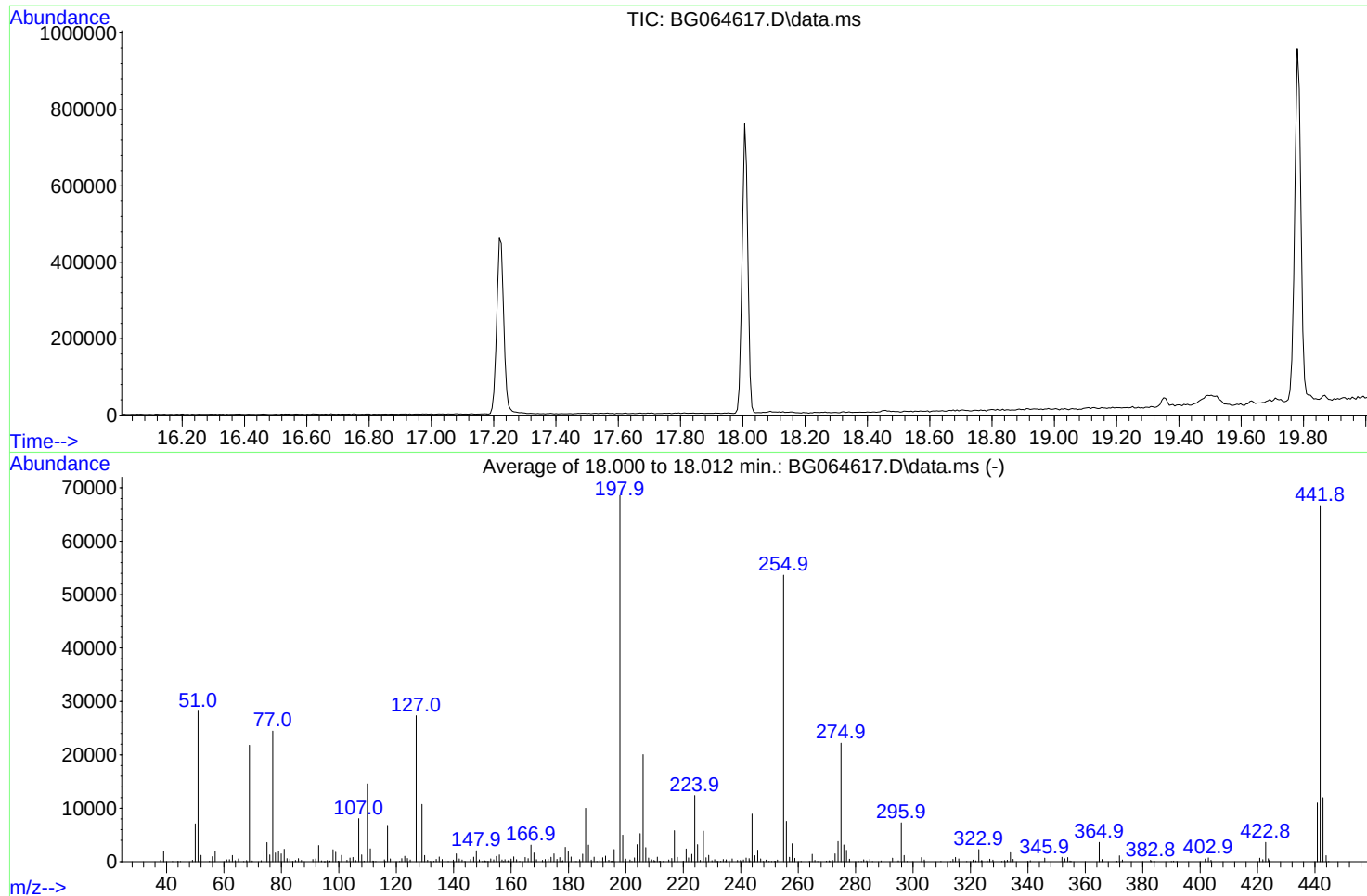
Date	Instrument Name	DFTPP Data File
10/28/2025	BNA_G	<u>BG064599.D</u>
Compound Name	Response	Retention Time
DDT	283202	21.02
DDD	2284	20.574
DDE	0	19.706
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
2284	285486	0.80

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064617.D
Acq On : 29 Oct 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



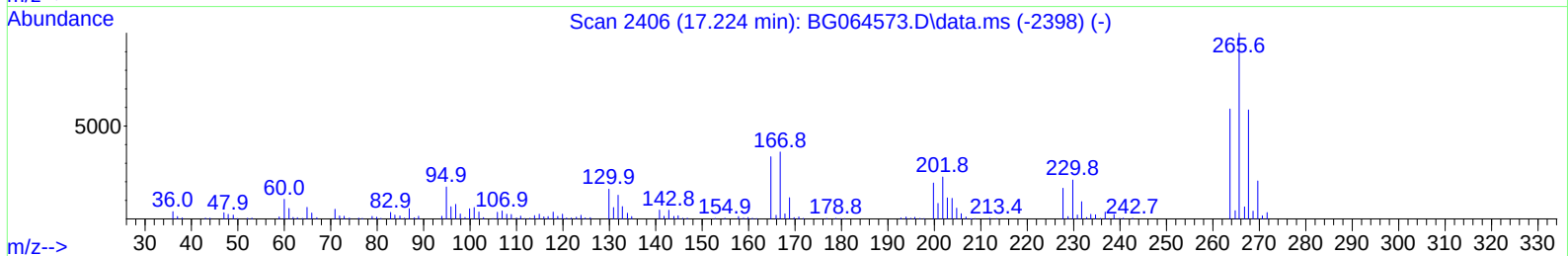
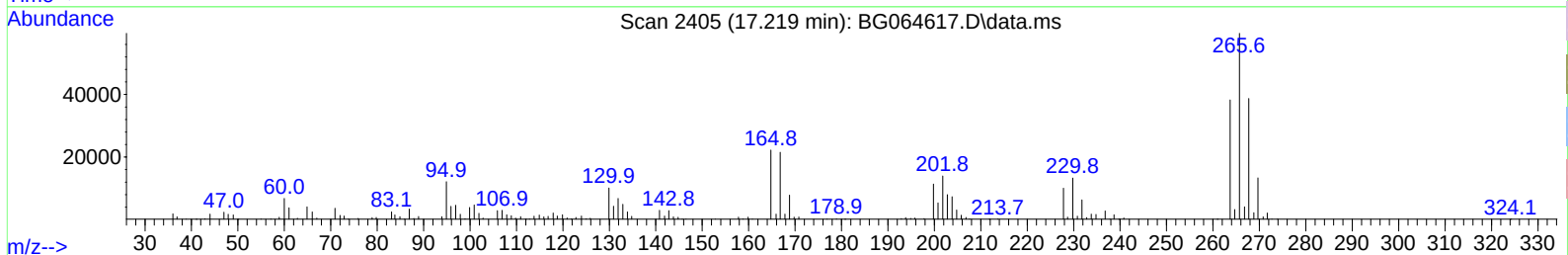
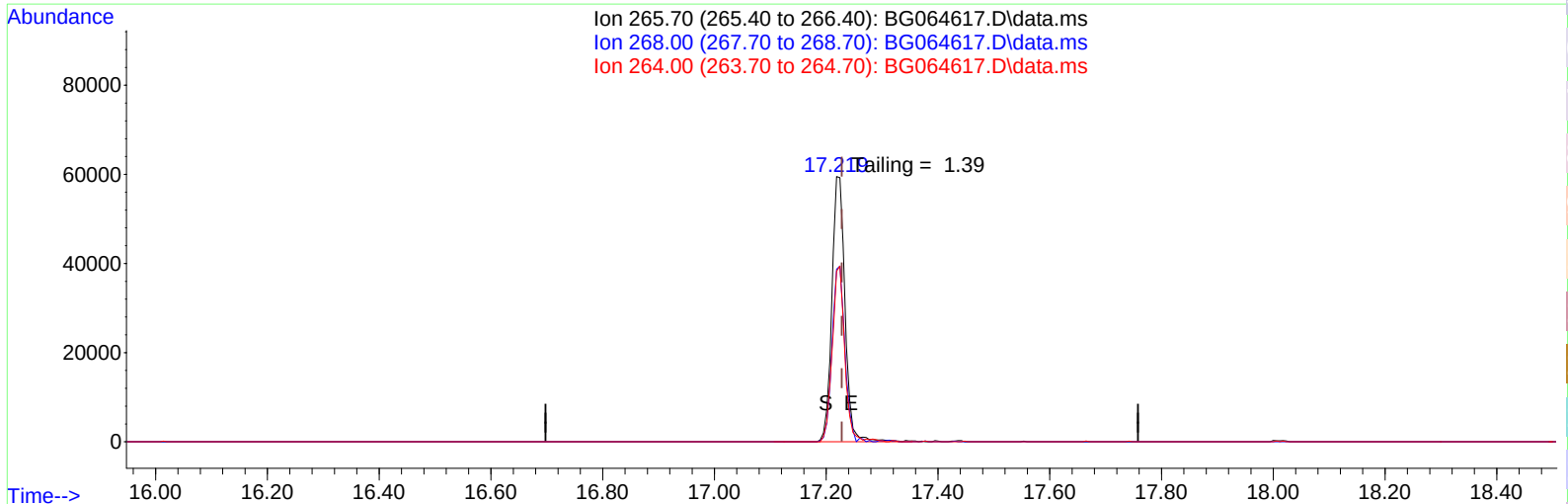
AutoFind: Scans 2538, 2539, 2540; Background Corrected with Scan 2532

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.0	229	PASS
69	69	100	100	100.0	21821	PASS
70	69	0.00	2	0.6	135	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	68565	PASS
199	198	5	9	7.3	4984	PASS
365	198	1	100	5.3	3612	PASS
441	443	0.01	150	91.7	11008	PASS
442	442	100	100	100.0	66685	PASS
443	442	15	24	18.0	12010	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064617.D
Acq On : 29 Oct 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 29 11:21:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



TIC: BG064617.D\data.ms

(70) Pentachlorophenol (C)

17.219min (-0.009) 35052.04 ng

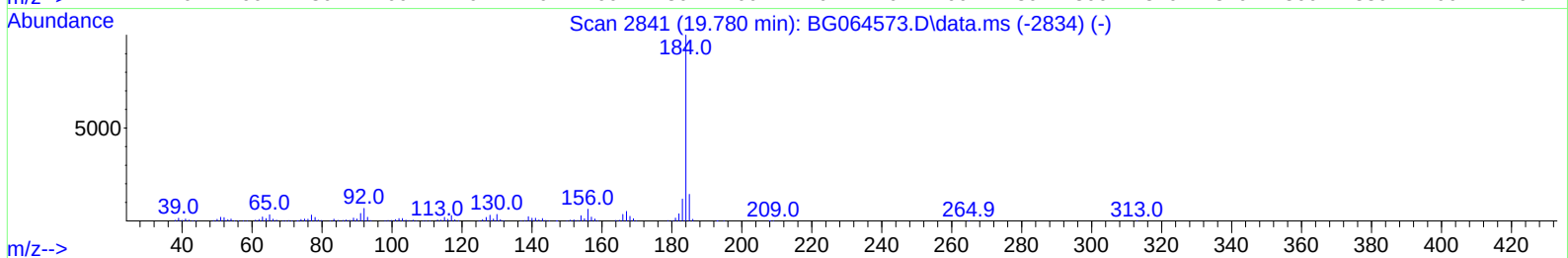
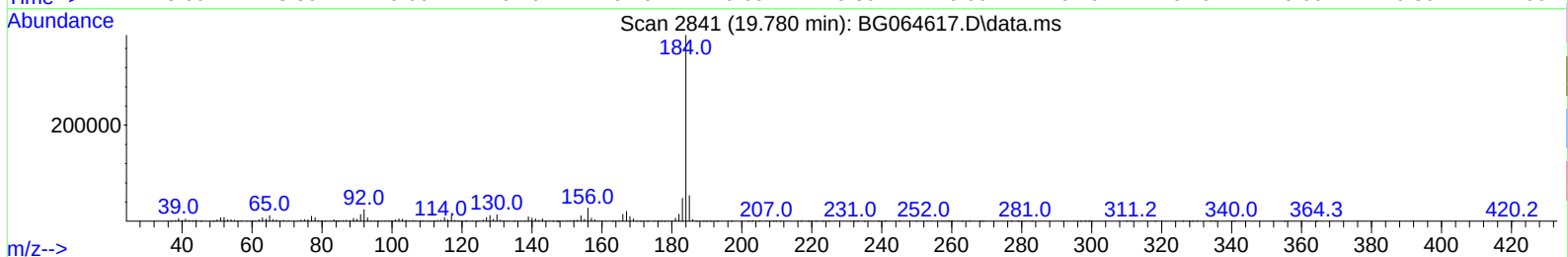
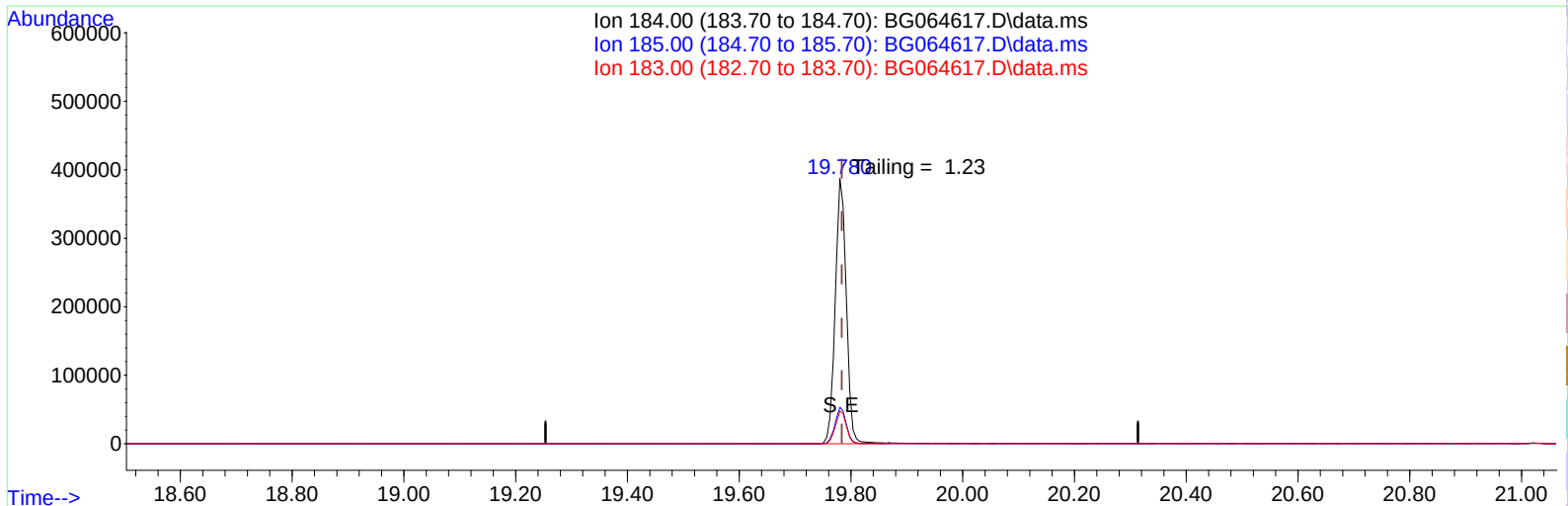
response 97221

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	65.04
264.00	59.10	69.72
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064617.D
Acq On : 29 Oct 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 29 11:21:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



TIC: BG064617.D\data.ms

(77) Benzidine

19.780min (-0.003) 345166.57 ng

response 533588

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	13.80
183.00	11.80	12.33
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/29/2025	BNA_G	<u>BG064617.D</u>
Compound Name	Response	Retention Time
DDT	244663	21.026
DDD	3569	20.573
DDE	0	19.706
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
3569	248232	1.44

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PB170215BL
 Lab Sample ID: PB170215BL
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/23/2015

Date Collected:
 Date Received:
 SDG No.: Q3419
 Matrix: SOIL
 % Solid: 100
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	330	U	1	160	330	ug/Kg	10/29/25 13:25	PB170215
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/29/25 13:25	PB170215
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/29/25 13:25	PB170215
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/29/25 13:25	PB170215
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/29/25 13:25	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/29/25 13:25	PB170215
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/29/25 13:25	PB170215
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/29/25 13:25	PB170215
621-64-7	n-Nitroso-di-n-propylamine	80.0	U	1	47.4	80.0	ug/Kg	10/29/25 13:25	PB170215
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/29/25 13:25	PB170215
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/29/25 13:25	PB170215
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/29/25 13:25	PB170215
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/29/25 13:25	PB170215
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/29/25 13:25	PB170215
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/29/25 13:25	PB170215
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/29/25 13:25	PB170215
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/29/25 13:25	PB170215
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/29/25 13:25	PB170215
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/29/25 13:25	PB170215
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/29/25 13:25	PB170215
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/29/25 13:25	PB170215
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/29/25 13:25	PB170215
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/29/25 13:25	PB170215
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/29/25 13:25	PB170215
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/29/25 13:25	PB170215
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/29/25 13:25	PB170215
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/29/25 13:25	PB170215
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/29/25 13:25	PB170215
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/29/25 13:25	PB170215
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/29/25 13:25	PB170215
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/29/25 13:25	PB170215
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/29/25 13:25	PB170215
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/29/25 13:25	PB170215
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/29/25 13:25	PB170215
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/29/25 13:25	PB170215
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/29/25 13:25	PB170215
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/29/25 13:25	PB170215
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/29/25 13:25	PB170215
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/29/25 13:25	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/29/25 13:25	PB170215

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PB170215BL
 Lab Sample ID: PB170215BL
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/23/25

Date Collected:
 Date Received:
 SDG No.: Q3419
 Matrix: SOIL
 % Solid: 100
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	170	U	1	32.9	170	ug/Kg	10/29/25 13:25	PB170215
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/29/25 13:25	PB170215
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/29/25 13:25	PB170215
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/29/25 13:25	PB170215
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/29/25 13:25	PB170215
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/29/25 13:25	PB170215
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/29/25 13:25	PB170215
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/29/25 13:25	PB170215
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/29/25 13:25	PB170215
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/29/25 13:25	PB170215
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/29/25 13:25	PB170215
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/29/25 13:25	PB170215
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/29/25 13:25	PB170215
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/29/25 13:25	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/29/25 13:25	PB170215
117-84-0	Di-n-octyl phthalate	330	U	1	86.8	330	ug/Kg	10/29/25 13:25	PB170215
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/29/25 13:25	PB170215
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/29/25 13:25	PB170215
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/29/25 13:25	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/29/25 13:25	PB170215
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/29/25 13:25	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/29/25 13:25	PB170215
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/29/25 13:25	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215

SURROGATES

367-12-4	2-Fluorophenol	139			18 - 112	92%	SPK: 150
13127-88-3	Phenol-d6	139			15 - 107	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	110	*		18 - 107	110%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.8			20 - 109	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161			10 - 116	108%	SPK: 150
1718-51-0	Terphenyl-d14	90.8			10 - 105	91%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	34000
1146-65-2	Naphthalene-d8	131000
15067-26-2	Acenaphthene-d10	98300
1517-22-2	Phenanthrene-d10	248000
1719-03-5	Chrysene-d12	318000
1520-96-3	Perylene-d12	369000

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170215BL		SDG No.:	Q3419
Lab Sample ID:	PB170215BL		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Quant Time: Oct 29 14:03:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.216	152	33974	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	131027	20.000	ng	0.00
39) Acenaphthene-d10	14.838	164	98338	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	248117	20.000	ng	0.00
76) Chrysene-d12	21.848	240	318243	20.000	ng	-0.02
86) Perylene-d12	25.191	264	369003	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	280581	138.622	ng	0.00
7) Phenol-d6	7.353	99	385276	138.716	ng	0.00
23) Nitrobenzene-d5	9.380	82	240197	110.106	ng	-0.01
42) 2,4,6-Tribromophenol	16.319	330	229169	161.465	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	628128	96.817	ng	0.00
79) Terphenyl-d14	20.167	244	1531012	90.788	ng	0.00

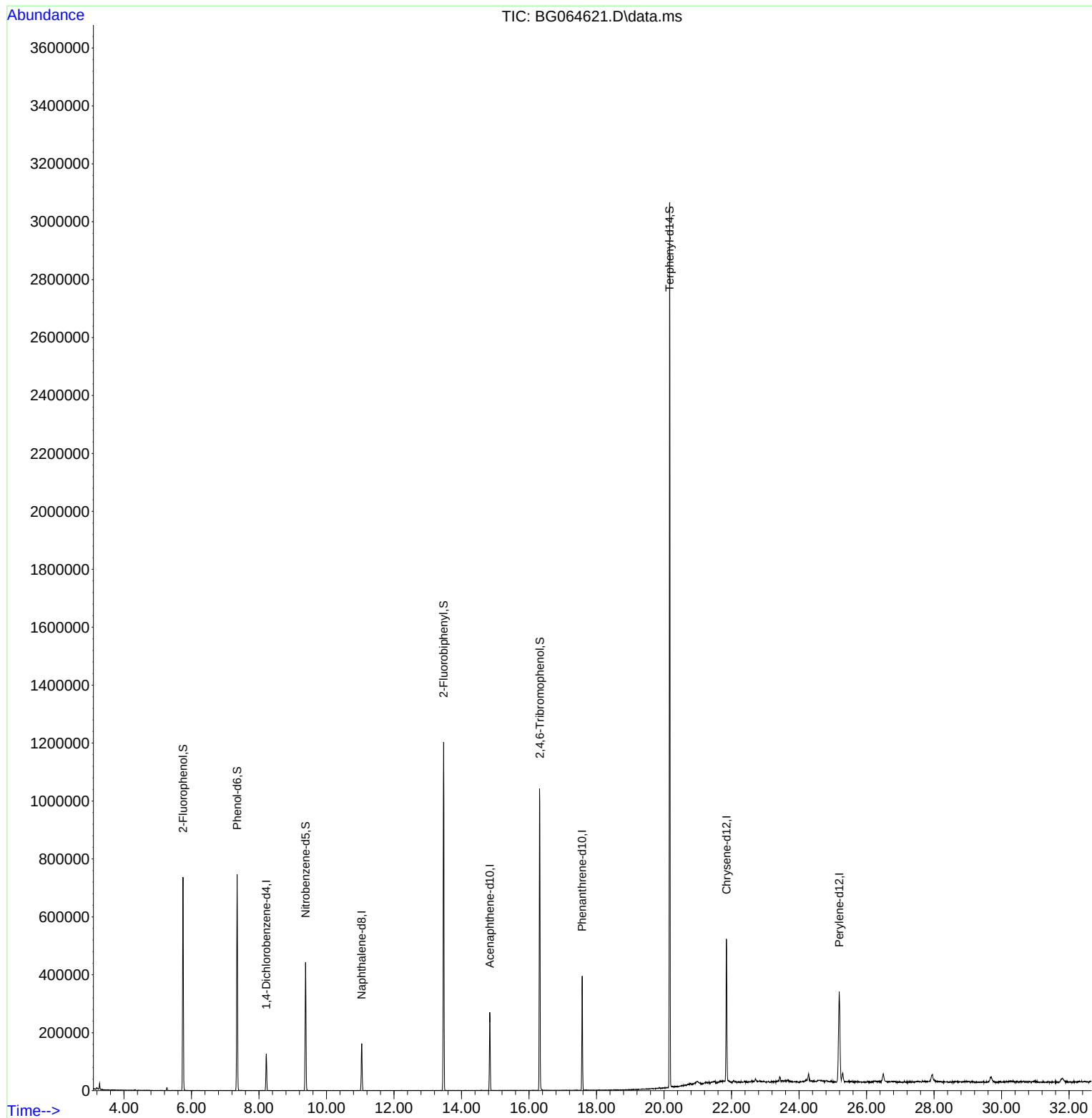
Target Compounds	Qvalue

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

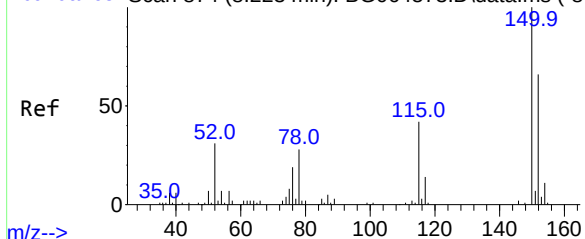
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Quant Time: Oct 29 14:03:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.216 min Scan# 81

Delta R.T. -0.005 min

Lab File: BG064621.D

Acq: 29 Oct 2025 13:25

Instrument :

BNA_G

ClientSampleId :

PB170215BL

Tgt Ion:152 Resp: 33974

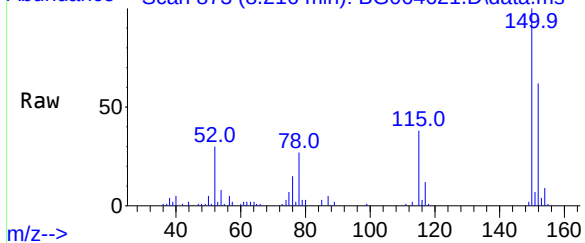
Ion Ratio Lower Upper

152 100

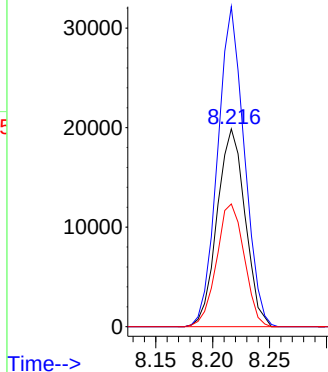
150 161.9 122.2 183.4

115 62.1 50.8 76.2

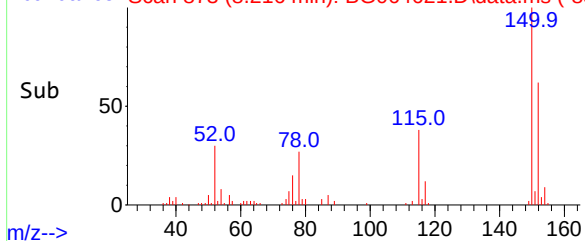
Abundance Scan 873 (8.216 min): BG064621.D\data.ms



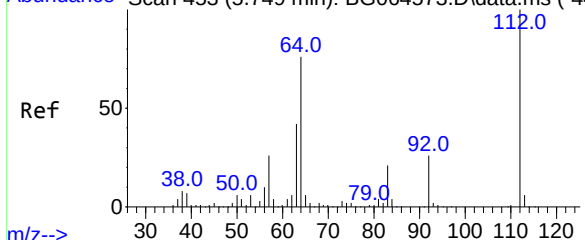
Abundance



Abundance Scan 873 (8.216 min): BG064621.D\data.ms (-85



Abundance Scan 453 (5.749 min): BG064573.D\data.ms (-44



#5

2-Fluorophenol

Concen: 138.622 ng

RT: 5.749 min Scan# 453

Delta R.T. 0.002 min

Lab File: BG064621.D

Acq: 29 Oct 2025 13:25

Tgt Ion:112 Resp: 280581

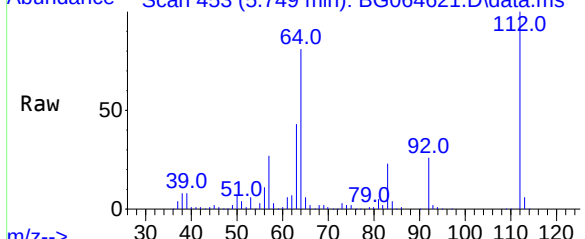
Ion Ratio Lower Upper

112 100

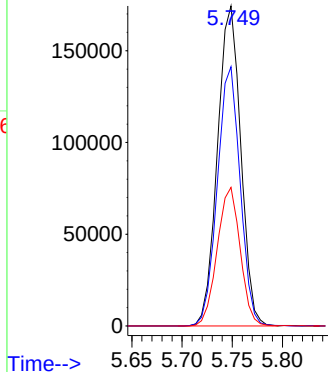
64 81.0 60.7 91.1

63 43.3 33.4 50.0

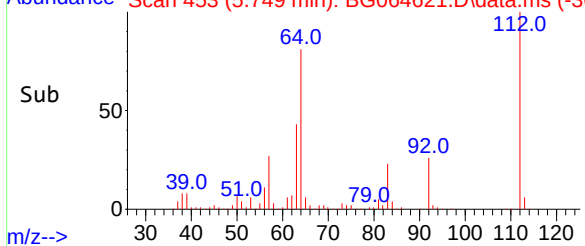
Abundance Scan 453 (5.749 min): BG064621.D\data.ms



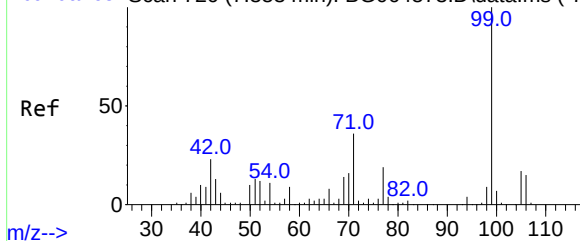
Abundance



Abundance Scan 453 (5.749 min): BG064621.D\data.ms (-36



Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



#7

Phenol-d6

Concen: 138.716 ng

RT: 7.353 min Scan# 71

Delta R.T. -0.004 min

Lab File: BG064621.D

Acq: 29 Oct 2025 13:25

Instrument :

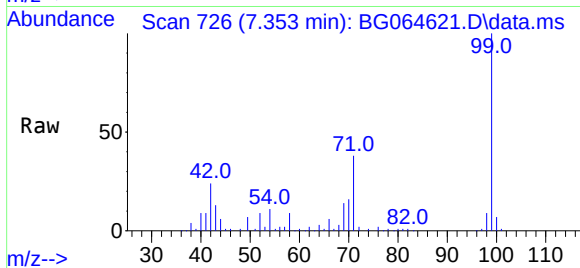
BNA_G

ClientSampleId :

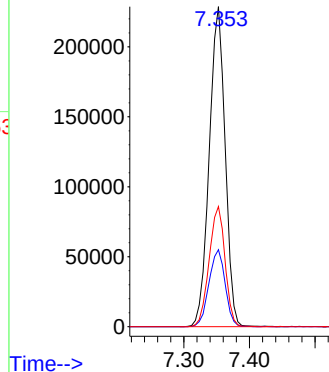
PB170215BL

Tgt Ion: 99 Resp: 385276

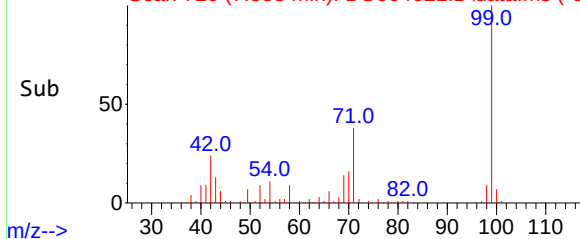
Ion	Ratio	Lower	Upper
99	100		
42	24.1	18.3	27.5
71	37.5	28.6	43.0



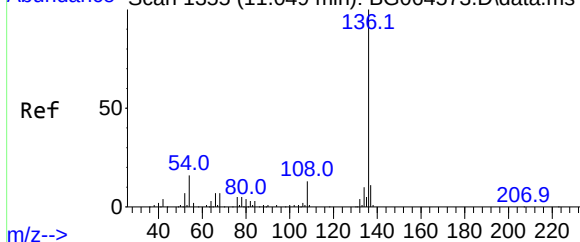
Abundance



Abundance Scan 726 (7.353 min): BG064621.D\data.ms (-63



Abundance Scan 1355 (11.049 min): BG064573.D\data.ms (-



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.043 min Scan# 1354

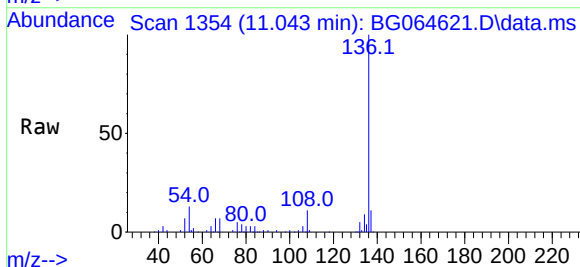
Delta R.T. -0.010 min

Lab File: BG064621.D

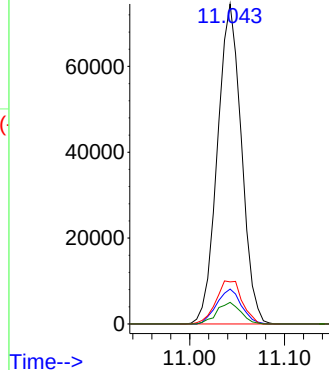
Acq: 29 Oct 2025 13:25

Tgt Ion: 136 Resp: 131027

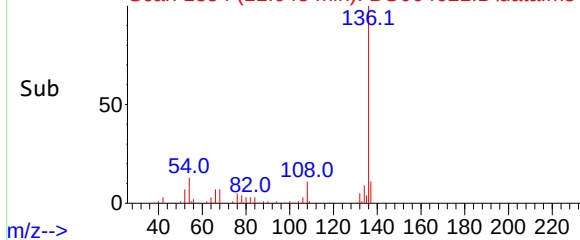
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	13.2	12.6	19.0
68	6.7	5.7	8.5

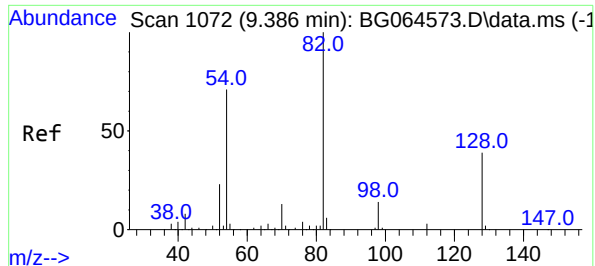


Abundance



Abundance Scan 1354 (11.043 min): BG064621.D\data.ms (-





#23

Nitrobenzene-d5

Concen: 110.106 ng

RT: 9.380 min Scan# 10

Delta R.T. -0.010 min

Lab File: BG064621.D

Acq: 29 Oct 2025 13:25

Instrument :

BNA_G

ClientSampleId :

PB170215BL

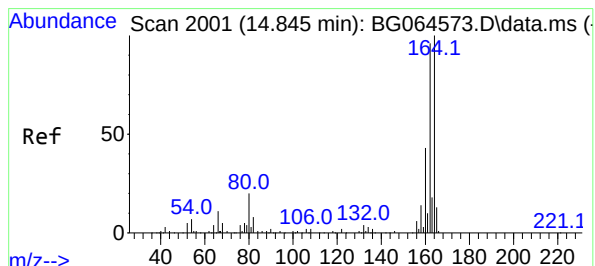
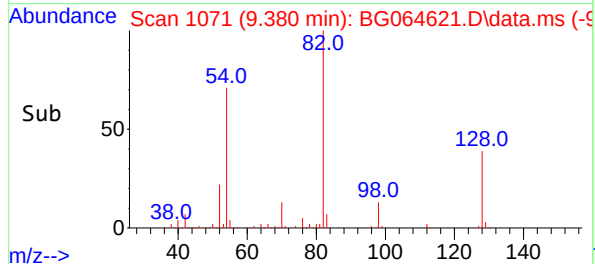
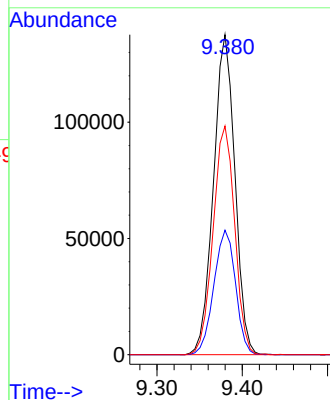
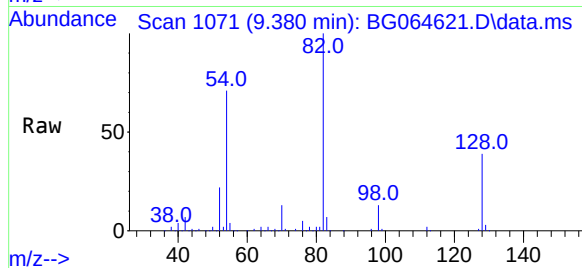
Tgt Ion: 82 Resp: 240197

Ion Ratio Lower Upper

82 100

128 38.9 31.3 46.9

54 71.4 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.838 min Scan# 2000

Delta R.T. -0.004 min

Lab File: BG064621.D

Acq: 29 Oct 2025 13:25

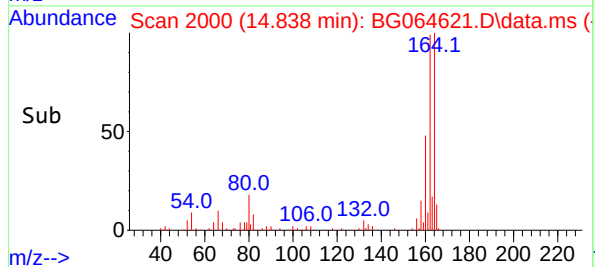
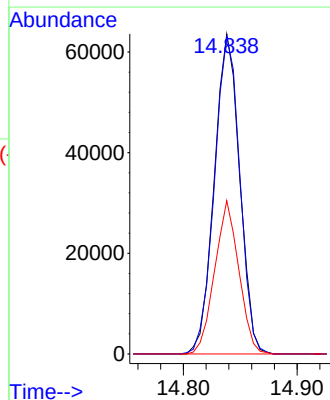
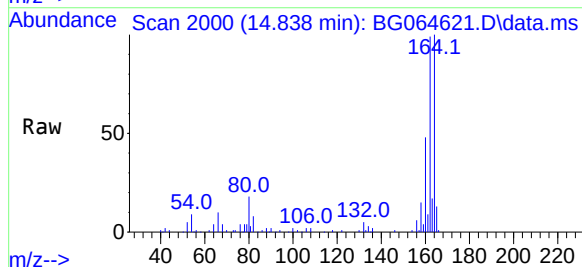
Tgt Ion: 164 Resp: 98338

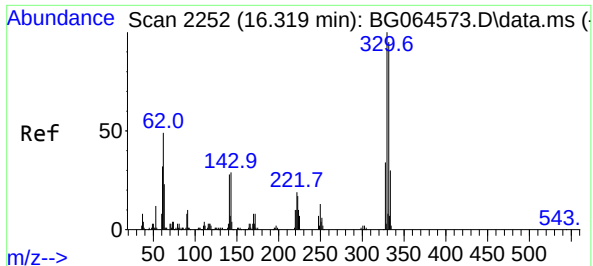
Ion Ratio Lower Upper

164 100

162 99.3 77.0 115.6

160 47.9 34.4 51.6

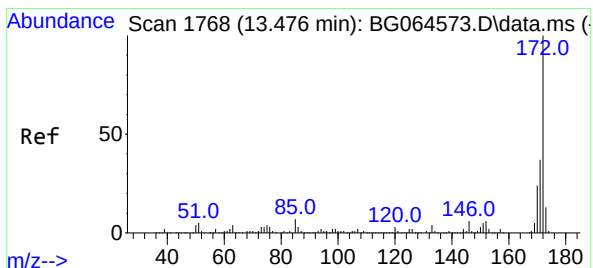
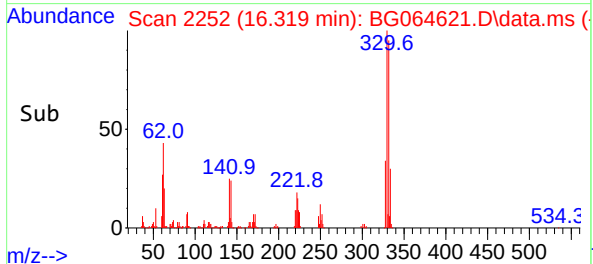
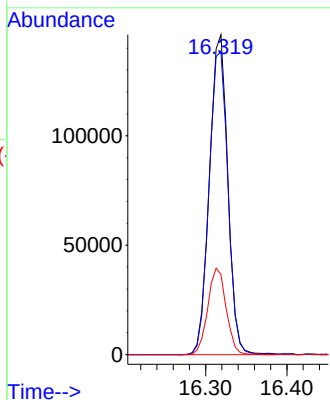
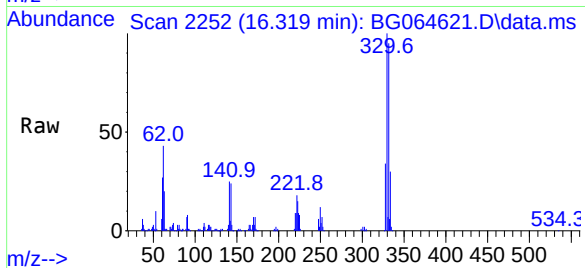




#42
2,4,6-Tribromophenol
Concen: 161.465 ng
RT: 16.319 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

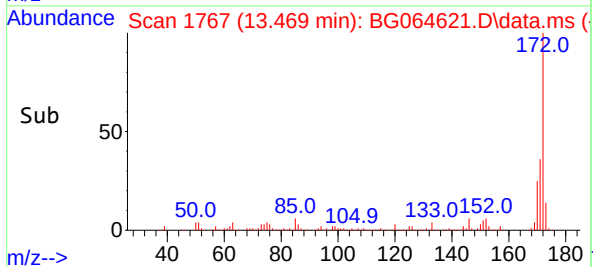
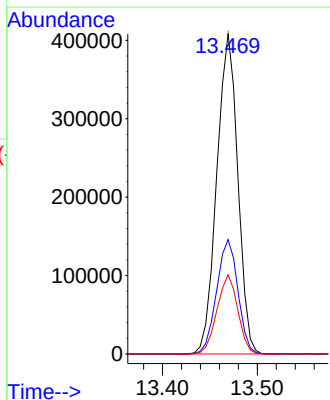
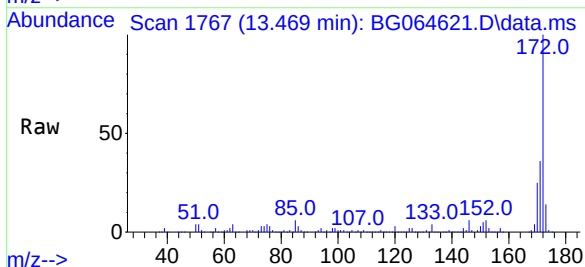
Instrument :
BNA_G
ClientSampleId :
PB170215BL

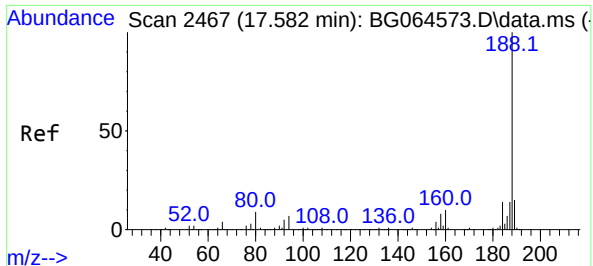
Tgt Ion:330 Resp: 229169
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 27.1 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 96.817 ng
RT: 13.469 min Scan# 1767
Delta R.T. -0.010 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Tgt Ion:172 Resp: 628128
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.0
170 24.8 19.1 28.7

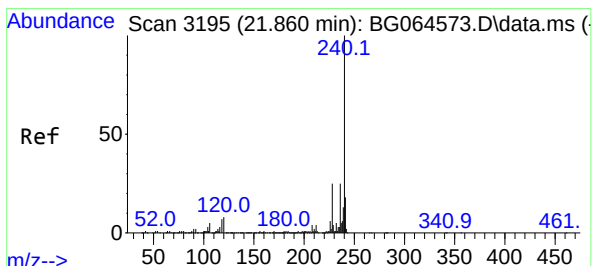
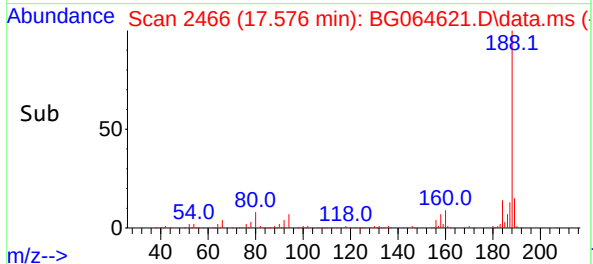
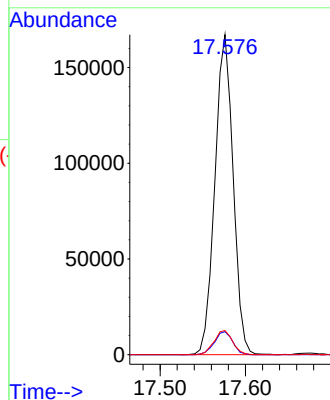
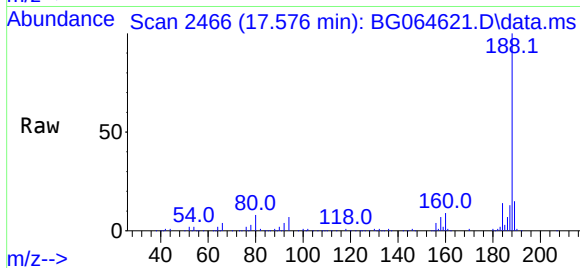




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2466
Delta R.T. -0.004 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

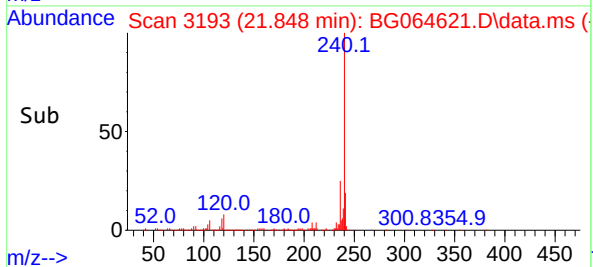
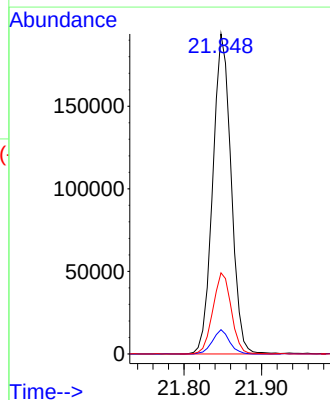
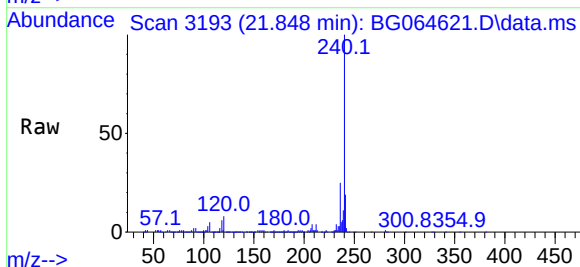
Instrument :
BNA_G
ClientSampleId :
PB170215BL

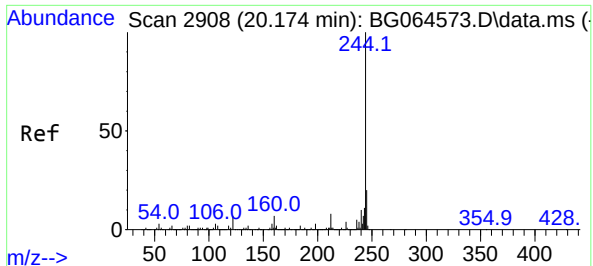
Tgt Ion:188 Resp: 248117
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 7.6 6.8 10.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.016 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Tgt Ion:240 Resp: 318243
Ion Ratio Lower Upper
240 100
120 7.6 6.5 9.7
236 25.4 20.2 30.2

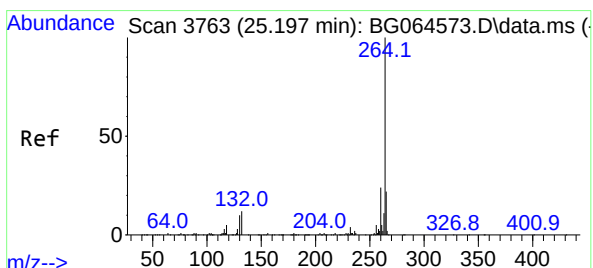
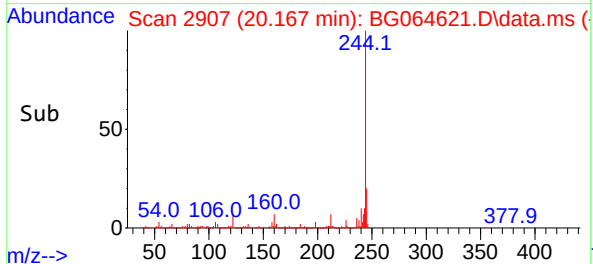
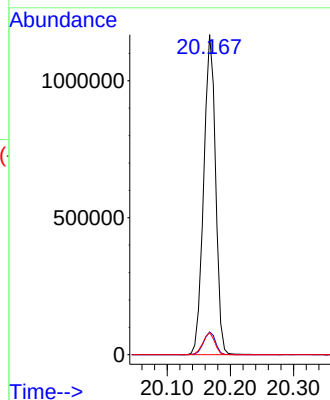
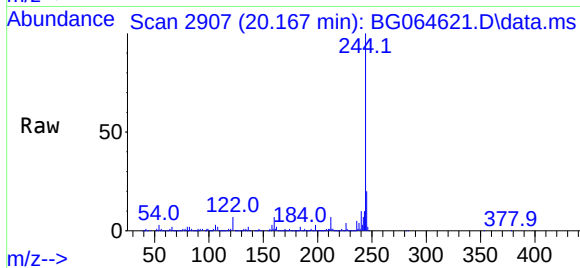




#79
Terphenyl-d14
Concen: 90.788 ng
RT: 20.167 min Scan# 24
Delta R.T. -0.010 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

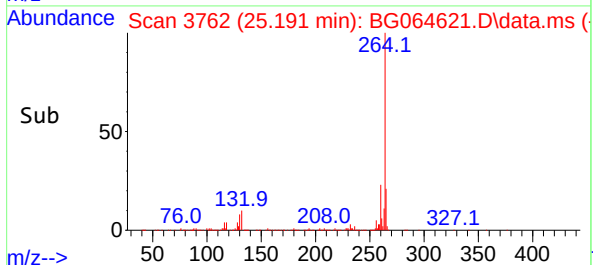
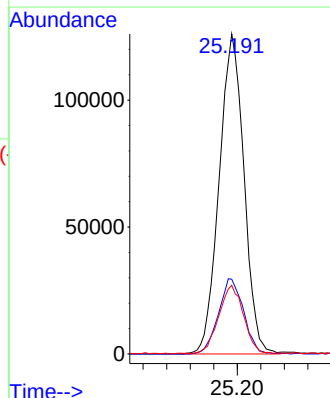
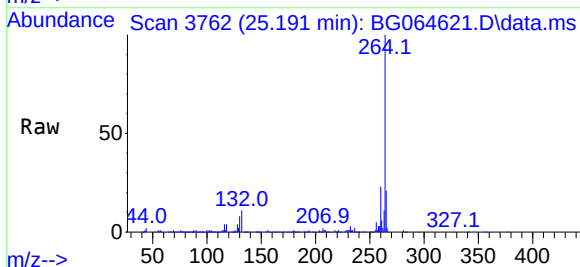
Instrument :
BNA_G
ClientSampleId :
PB170215BL

Tgt Ion:244 Resp: 1531012
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 7.0 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.191 min Scan# 3762
Delta R.T. -0.010 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Tgt Ion:264 Resp: 369003
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.4
265 21.4 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064621.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.749	445	453	461	rBV	736299	1176882	29.66%	8.360%
2	7.353	717	726	733	rBV	746346	1274418	32.12%	9.053%
3	8.216	866	873	880	rVB	126297	212505	5.36%	1.510%
4	9.380	1063	1071	1078	rBV	442409	777277	19.59%	5.522%
5	11.043	1344	1354	1362	rBV	162352	294281	7.42%	2.090%
6	13.469	1760	1767	1774	rBV	1202173	1855560	46.77%	13.181%
7	14.838	1993	2000	2008	rBV	270056	418534	10.55%	2.973%
8	16.313	2244	2251	2263	rBV	1042193	1646496	41.50%	11.696%
9	17.576	2459	2466	2473	rBV	394044	587050	14.80%	4.170%
10	20.167	2901	2907	2917	rBV	3054784	3967474	100.00%	28.184%
11	21.848	3186	3193	3201	rBV2	492613	821231	20.70%	5.834%
12	24.286	3601	3608	3615	rVB3	25469	62345	1.57%	0.443%
13	25.191	3751	3762	3772	rBV	308414	911115	22.96%	6.472%
14	26.495	3977	3984	3996	rVB5	25920	72023	1.82%	0.512%

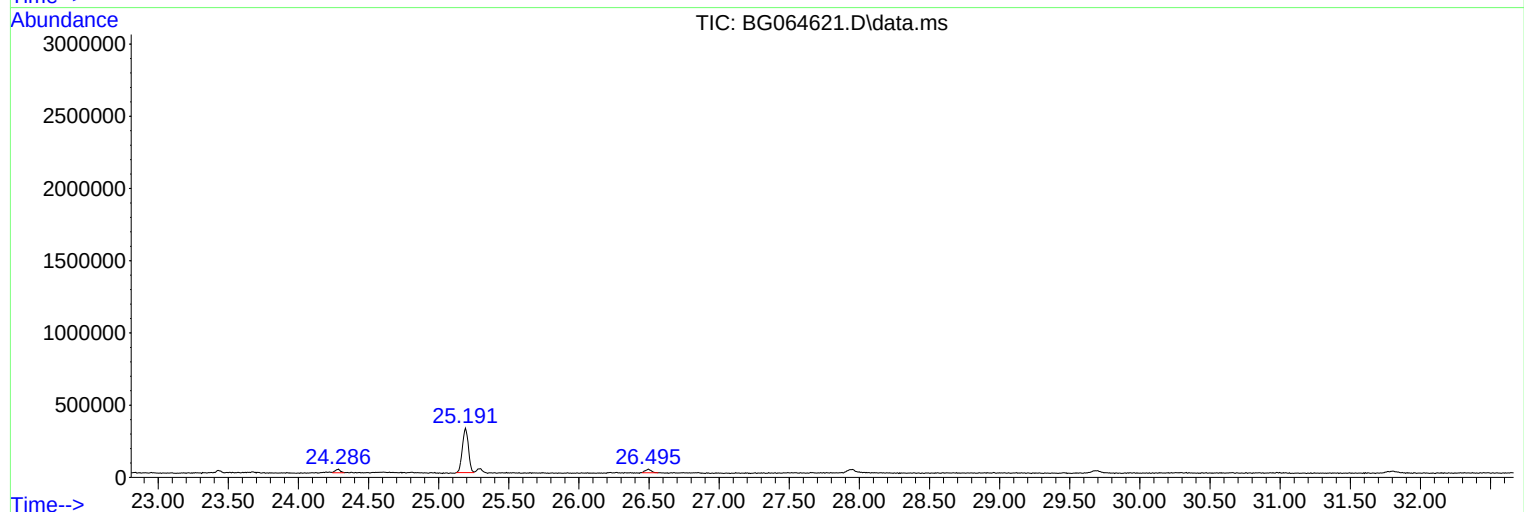
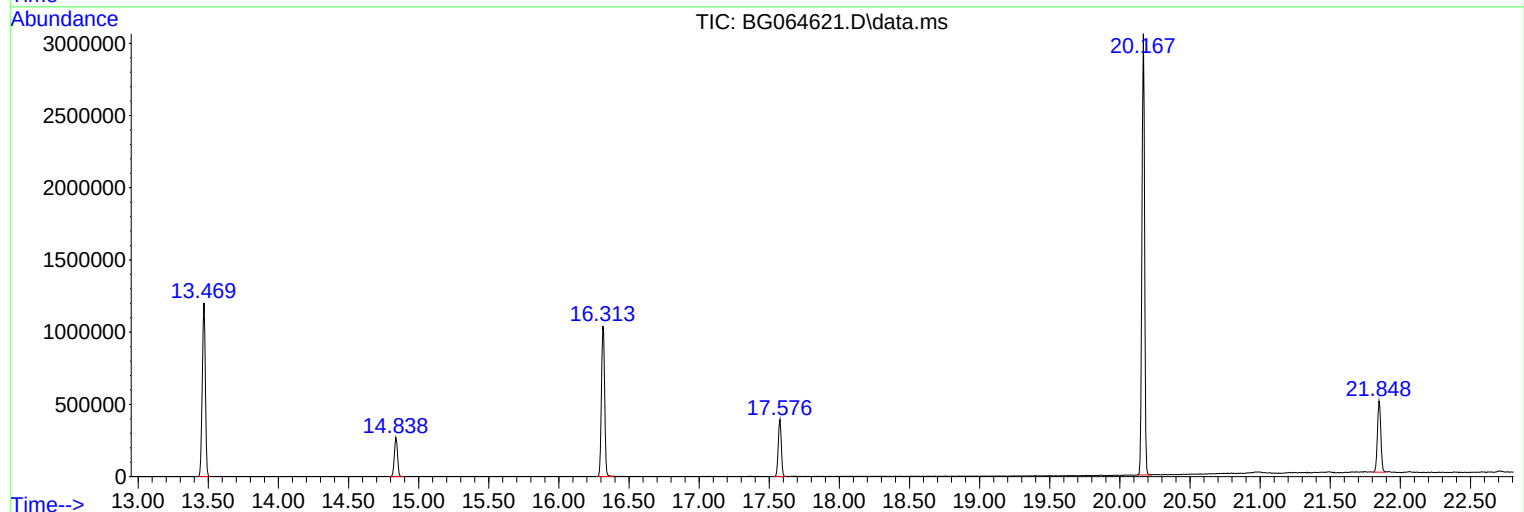
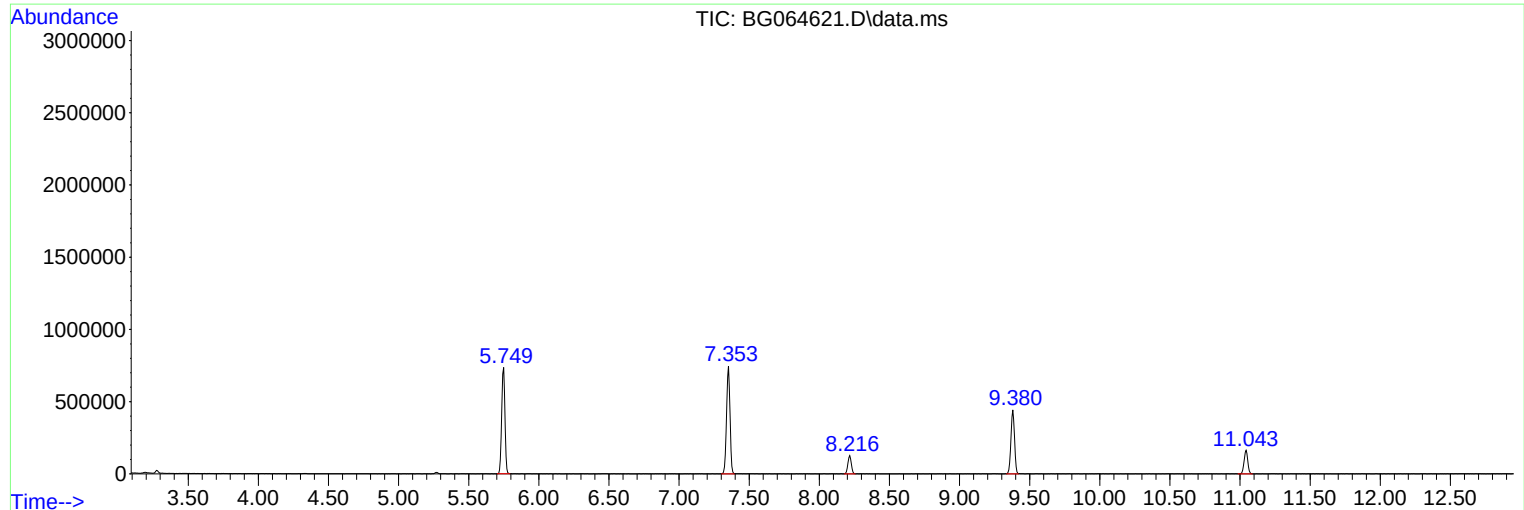
Sum of corrected areas: 14077191

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc



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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170215BS
Lab Sample ID: PB170215BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/23/25

Date Collected:
Date Received:
SDG No.: Q3419
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1100		1	160	330	ug/Kg	10/29/25 14:06	PB170215
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/29/25 14:06	PB170215
111-44-4	bis(2-Chloroethyl)ether	1100		1	24.3	170	ug/Kg	10/29/25 14:06	PB170215
95-57-8	2-Chlorophenol	1600		1	24.4	170	ug/Kg	10/29/25 14:06	PB170215
95-48-7	2-Methylphenol	1600		1	29.9	170	ug/Kg	10/29/25 14:06	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	37.5	170	ug/Kg	10/29/25 14:06	PB170215
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/29/25 14:06	PB170215
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/29/25 14:06	PB170215
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/29/25 14:06	PB170215
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/29/25 14:06	PB170215
98-95-3	Nitrobenzene	1600		1	18.3	170	ug/Kg	10/29/25 14:06	PB170215
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/29/25 14:06	PB170215
88-75-5	2-Nitrophenol	1700		1	58.1	170	ug/Kg	10/29/25 14:06	PB170215
105-67-9	2,4-Dimethylphenol	1700		1	64.7	170	ug/Kg	10/29/25 14:06	PB170215
111-91-1	bis(2-Chloroethoxy)methane	1400		1	30.8	170	ug/Kg	10/29/25 14:06	PB170215
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/29/25 14:06	PB170215
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/29/25 14:06	PB170215
106-47-8	4-Chloroaniline	790		1	35.4	170	ug/Kg	10/29/25 14:06	PB170215
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/29/25 14:06	PB170215
59-50-7	4-Chloro-3-methylphenol	1600		1	28.7	170	ug/Kg	10/29/25 14:06	PB170215
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/29/25 14:06	PB170215
77-47-4	Hexachlorocyclopentadiene	4100	E	1	120	330	ug/Kg	10/29/25 14:06	PB170215
88-06-2	2,4,6-Trichlorophenol	1700		1	19.8	170	ug/Kg	10/29/25 14:06	PB170215
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/29/25 14:06	PB170215
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/29/25 14:06	PB170215
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/29/25 14:06	PB170215
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/29/25 14:06	PB170215
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/29/25 14:06	PB170215
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/29/25 14:06	PB170215
606-20-2	2,6-Dinitrotoluene	1700		1	33.6	170	ug/Kg	10/29/25 14:06	PB170215
99-09-2	3-Nitroaniline	1200		1	46.0	170	ug/Kg	10/29/25 14:06	PB170215
83-32-9	Acenaphthene	1600		1	21.3	170	ug/Kg	10/29/25 14:06	PB170215
51-28-5	2,4-Dinitrophenol	3600	E	1	230	330	ug/Kg	10/29/25 14:06	PB170215
100-02-7	4-Nitrophenol	3400	E	1	110	330	ug/Kg	10/29/25 14:06	PB170215
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/29/25 14:06	PB170215
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/29/25 14:06	PB170215
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/29/25 14:06	PB170215
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/29/25 14:06	PB170215
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
100-01-6	4-Nitroaniline	1700		1	64.1	170	ug/Kg	10/29/25 14:06	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/29/25 14:06	PB170215



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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170215BS
Lab Sample ID: PB170215BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/23/2015

Date Collected:
Date Received:
SDG No.: Q3419
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/29/25 14:06	PB170215
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/29/25 14:06	PB170215
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/29/25 14:06	PB170215
87-86-5	Pentachlorophenol	3300	E	1	51.2	330	ug/Kg	10/29/25 14:06	PB170215
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/29/25 14:06	PB170215
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/29/25 14:06	PB170215
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/29/25 14:06	PB170215
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/29/25 14:06	PB170215
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/29/25 14:06	PB170215
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/29/25 14:06	PB170215
85-68-7	Butylbenzylphthalate	1600		1	71.3	170	ug/Kg	10/29/25 14:06	PB170215
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	10/29/25 14:06	PB170215
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/29/25 14:06	PB170215
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/29/25 14:06	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	1600		1	59.1	170	ug/Kg	10/29/25 14:06	PB170215
117-84-0	Di-n-octyl phthalate	1700		1	86.7	330	ug/Kg	10/29/25 14:06	PB170215
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	170	ug/Kg	10/29/25 14:06	PB170215
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/29/25 14:06	PB170215
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/29/25 14:06	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	10/29/25 14:06	PB170215
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215
191-24-2	Benzo(g,h,i)perylene	1500		1	25.7	170	ug/Kg	10/29/25 14:06	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/29/25 14:06	PB170215
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	10/29/25 14:06	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	1800		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215

SURROGATES

367-12-4	2-Fluorophenol	125		18 - 112	83%	SPK: 150
13127-88-3	Phenol-d6	125		15 - 107	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.4		18 - 107	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.6		20 - 109	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		10 - 116	96%	SPK: 150
1718-51-0	Terphenyl-d14	83.3		10 - 105	83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	30900
1146-65-2	Naphthalene-d8	126000
15067-26-2	Acenaphthene-d10	103000
1517-22-2	Phenanthrene-d10	253000
1719-03-5	Chrysene-d12	286000
1520-96-3	Perylene-d12	311000

Report of Analysis

Client: AECOM	Date Collected:	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID: PB170215BS	SDG No.:	Q3419
Lab Sample ID: PB170215BS	Matrix:	SOIL
Analytical Method: 8270E	% Solid:	100
Sample Wt/Vol: 30.03 g	Test:	SVOC-TCL BNA -20
Prep Method : SW3541		
Level : LOW		
Final Vol: 1000 uL		
Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064622.D
 Acq On : 29 Oct 2025 14:06
 Operator : RC/JU
 Sample : PB170215BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170215BS

Quant Time: Oct 29 15:48:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	30857	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	126314	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	102616	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	252758	20.000	ng	0.00
76) Chrysene-d12	21.854	240	286271	20.000	ng	0.00
86) Perylene-d12	25.192	264	311364	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	229807	125.006	ng	0.00
7) Phenol-d6	7.354	99	315661	125.132	ng	0.00
23) Nitrobenzene-d5	9.381	82	200721	95.443	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	213604	144.224	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	539175	79.642	ng	0.00
79) Terphenyl-d14	20.168	244	1263324	83.281	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.582	88	27367	33.625	ng	97
3) Pyridine	3.987	79	80236	32.828	ng	99
4) n-Nitrosodimethylamine	3.899	42	55779	42.556	ng	96
6) Aniline	7.524	93	111247	32.409	ng	98
8) 2-Chlorophenol	7.777	128	90171	46.861	ng	96
9) Benzaldehyde	7.336	77	44662	32.430	ng	99
10) Phenol	7.377	94	125167	44.866	ng	96
11) bis(2-Chloroethyl)ether	7.524	93	111247	32.409	ng	99
12) 1,3-Dichlorobenzene	8.106	146	89896	40.591	ng	96
13) 1,4-Dichlorobenzene	8.253	146	95840	42.560	ng	92
14) 1,2-Dichlorobenzene	8.576	146	95566	43.998	ng	95
15) Benzyl Alcohol	8.447	79	97685	46.959	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.746	45	208165	38.690	ng	97
17) 2-Methylphenol	8.447	107	49001	47.125	ng	91
18) Hexachloroethane	9.322	117	34789	44.022	ng	96
19) n-Nitroso-di-n-propyla...	9.022	70	75603	43.365	ng	98
20) 3+4-Methylphenols	8.975	107	115498	44.339	ng	95
22) Acetophenone	9.040	105	161222	46.691	ng	96
24) Nitrobenzene	9.422	77	109545	47.891	ng	97
25) Isophorone	9.951	82	215090	42.623	ng	100
26) 2-Nitrophenol	10.139	139	44164	49.908	ng	# 85
27) 2,4-Dimethylphenol	10.192	122	95696	49.980	ng	97
28) bis(2-Chloroethoxy)met...	10.433	93	121990	42.458	ng	99
29) 2,4-Dichlorophenol	10.679	162	99058	49.036	ng	97
30) 1,2,4-Trichlorobenzene	10.903	180	106824	46.541	ng	97
31) Naphthalene	11.091	128	295744	42.229	ng	99
32) Benzoic acid	10.309	122	80232m	56.670	ng	
33) 4-Chloroaniline	11.185	127	64445	23.675	ng	97
34) Hexachlorobutadiene	11.384	225	78836	43.919	ng	97
35) Caprolactam	11.943	113	35302m	45.563	ng	
36) 4-Chloro-3-methylphenol	12.289	107	115355	47.506	ng	98
37) 2-Methylnaphthalene	12.683	142	200867	39.066	ng	99
38) 1-Methylnaphthalene	12.900	142	210799	41.666	ng	95
40) 1,2,4,5-Tetrachloroben...	13.047	216	160584	46.629	ng	99
41) Hexachlorocyclopentadiene	13.035	237	193126	124.589	ng	99
43) 2,4,6-Trichlorophenol	13.276	196	97819	49.656	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064622.D
 Acq On : 29 Oct 2025 14:06
 Operator : RC/JU
 Sample : PB170215BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170215BS

Quant Time: Oct 29 15:48:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

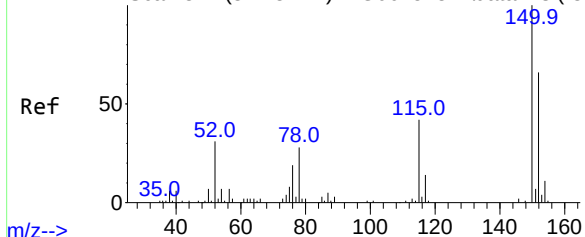
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	111336	48.976	ng	99
46) 1,1'-Biphenyl	13.682	154	341429	46.801	ng	97
47) 2-Chloronaphthalene	13.723	162	234788	42.637	ng	96
48) 2-Nitroaniline	13.911	65	87853	47.555	ng	94
49) Acenaphthylene	14.563	152	430487	49.562	ng	98
50) Dimethylphthalate	14.287	163	347656	44.275	ng	99
51) 2,6-Dinitrotoluene	14.398	165	65227	50.188	ng	96
52) Acenaphthene	14.904	154	290908	49.021	ng	97
53) 3-Nitroaniline	14.722	138	49122	36.402	ng #	99
54) 2,4-Dinitrophenol	14.927	184	88044	108.602	ng #	42
55) Dibenzofuran	15.239	168	418469	43.618	ng	99
56) 4-Nitrophenol	15.015	139	127758	102.115	ng	94
57) 2,4-Dinitrotoluene	15.180	165	100857	50.198	ng	98
58) Fluorene	15.879	166	335610	44.792	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.456	232	114603	52.720	ng	98
60) Diethylphthalate	15.644	149	357386	44.576	ng	99
61) 4-Chlorophenyl-phenyle...	15.873	204	190016	45.190	ng	97
62) 4-Nitroaniline	15.885	138	74872	49.873	ng	95
63) Azobenzene	16.161	77	323701	44.003	ng	99
65) 4,6-Dinitro-2-methylph...	15.944	198	61637	54.580	ng	96
66) n-Nitrosodiphenylamine	16.079	169	307367	45.018	ng	96
67) 4-Bromophenyl-phenylether	16.766	248	133834	44.682	ng	97
68) Hexachlorobenzene	16.884	284	155883	45.618	ng	96
69) Atrazine	17.019	200	140535	47.830	ng	98
70) Pentachlorophenol	17.219	266	214000	100.429	ng	95
71) Phenanthrene	17.618	178	612283	44.297	ng	99
72) Anthracene	17.712	178	631323	44.900	ng	100
73) Carbazole	17.971	167	558592	45.052	ng	99
74) Di-n-butylphthalate	18.529	149	636589	44.400	ng	100
75) Fluoranthene	19.616	202	768700	44.393	ng	99
77) Benzidine	19.780	184	240455	37.491	ng	99
78) Pyrene	19.974	202	804895	43.035	ng	99
80) Butylbenzylphthalate	20.850	149	279278	49.405	ng	97
81) Benzo(a)anthracene	21.831	228	850571	44.811	ng	99
82) 3,3'-Dichlorobenzidine	21.737	252	205029	32.347	ng	98
83) Chrysene	21.901	228	799015	44.240	ng	99
84) Bis(2-ethylhexyl)phtha...	21.737	149	407169	48.204	ng	99
85) Di-n-octyl phthalate	23.000	149	709236	49.802	ng	99
87) Indeno(1,2,3-cd)pyrene	29.034	276	1033332	45.114	ng #	97
88) Benzo(b)fluoranthene	24.134	252	872834	45.715	ng	99
89) Benzo(k)fluoranthene	24.205	252	867424	45.401	ng	98
90) Benzo(a)pyrene	25.039	252	830855	47.341	ng	100
91) Dibenzo(a,h)anthracene	29.099	278	858540	46.137	ng	99
92) Benzo(g,h,i)perylene	29.034	276	1033332	45.114	ng	99

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

Instrument :
BNA_G
ClientSampleId :
PB170215BS

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

Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86)



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.217 min Scan# 81

Delta R.T. -0.004 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

Tgt Ion:152 Resp: 30857

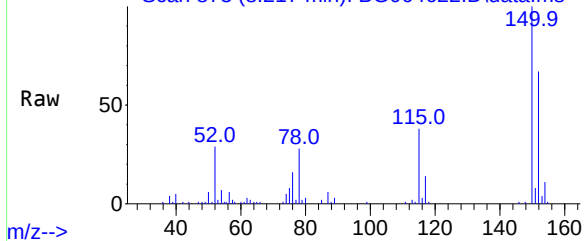
Ion Ratio Lower Upper

152 100

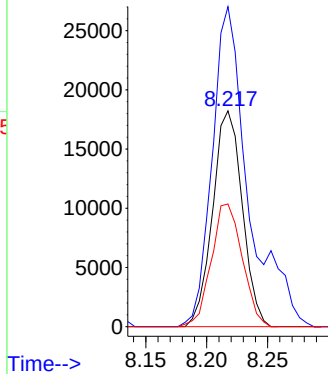
150 148.2 122.2 183.4

115 56.8 50.8 76.2

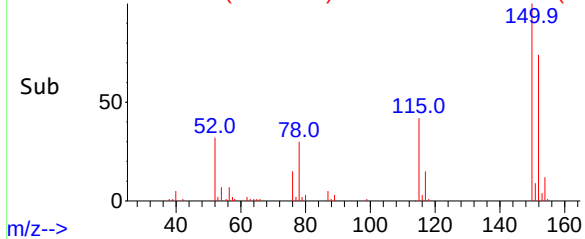
Abundance Scan 873 (8.217 min): BG064622.D\data.ms



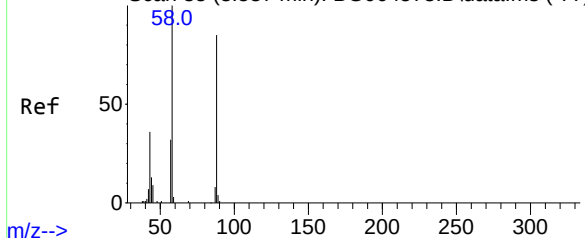
Abundance



Abundance Scan 873 (8.217 min): BG064622.D\data.ms (-85)



Abundance Scan 85 (3.587 min): BG064573.D\data.ms (-77)



#2

1,4-Dioxane

Concen: 33.625 ng

RT: 3.582 min Scan# 84

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion: 88 Resp: 27367

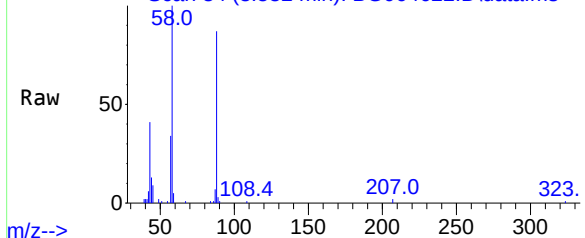
Ion Ratio Lower Upper

88 100

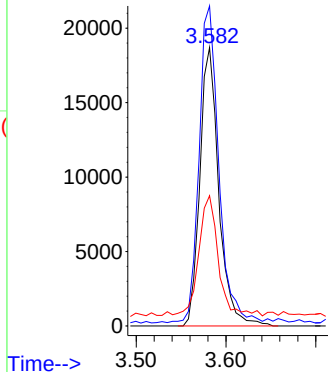
58 117.6 92.4 138.6

43 44.4 33.0 49.6

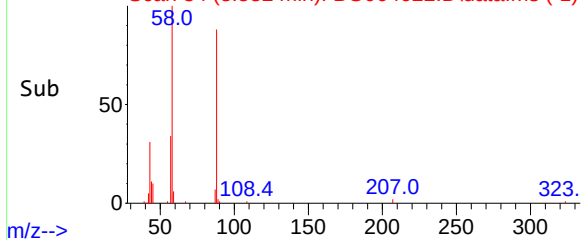
Abundance Scan 84 (3.582 min): BG064622.D\data.ms

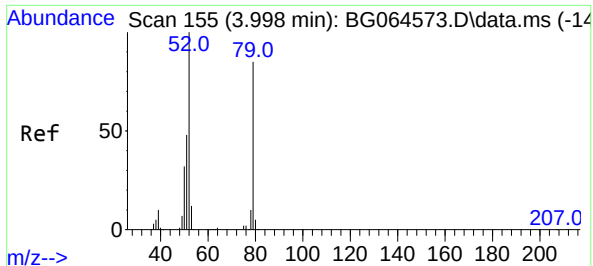


Abundance



Abundance Scan 84 (3.582 min): BG064622.D\data.ms (-1)

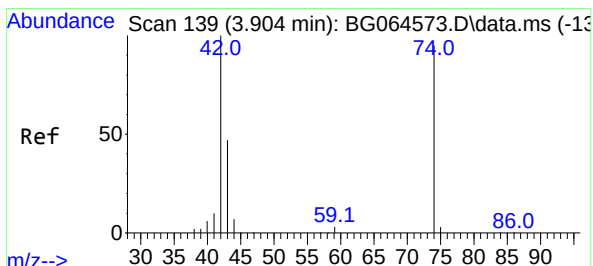
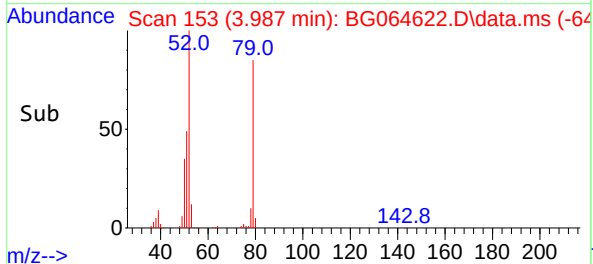
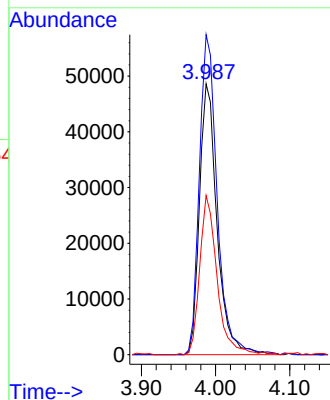
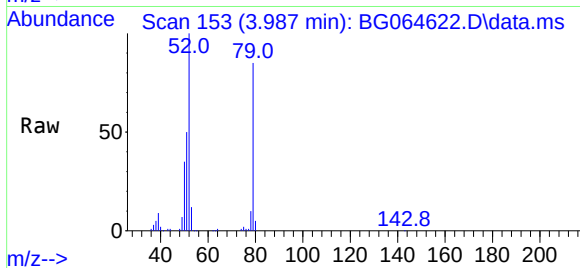




#3
Pyridine
Concen: 32.828 ng
RT: 3.987 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

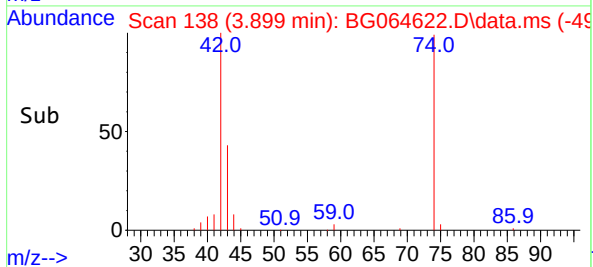
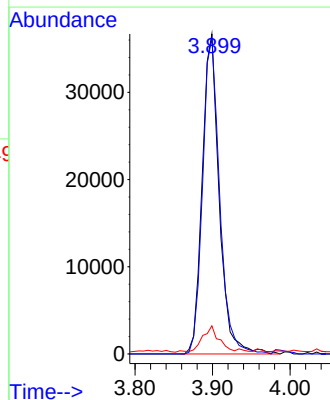
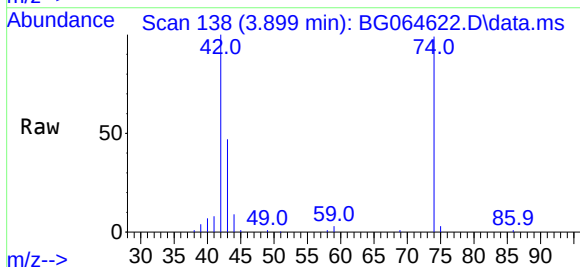
Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion: 79 Resp: 80236
Ion Ratio Lower Upper
79 100
52 118.1 94.2 141.2
51 58.8 46.1 69.1

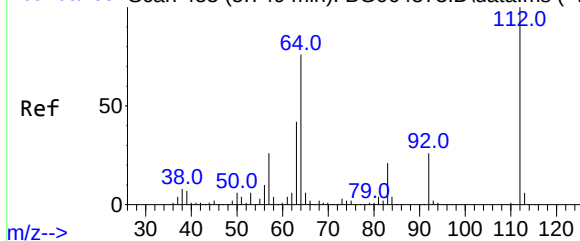


#4
n-Nitrosodimethylamine
Concen: 42.556 ng
RT: 3.899 min Scan# 138
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 42 Resp: 55779
Ion Ratio Lower Upper
42 100
74 98.7 76.1 114.1
44 8.8 6.3 9.5



Abundance Scan 453 (5.749 min): BG064573.D\data.ms (-44



#5

2-Fluorophenol

Concen: 125.006 ng

RT: 5.750 min Scan# 41

Delta R.T. 0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

Tgt Ion:112 Resp: 229807

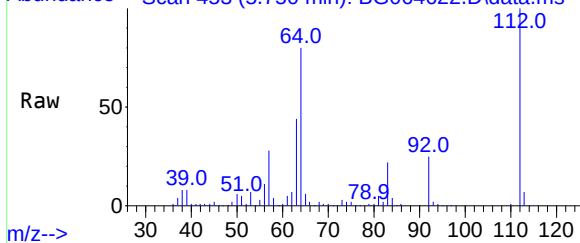
Ion Ratio Lower Upper

112 100

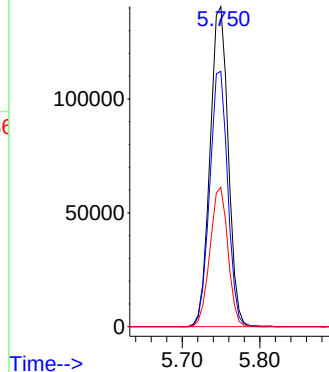
64 79.8 60.7 91.1

63 43.5 33.4 50.0

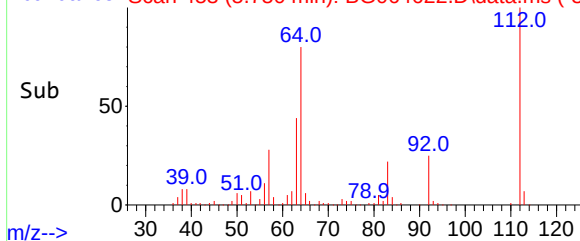
Abundance Scan 453 (5.750 min): BG064622.D\data.ms



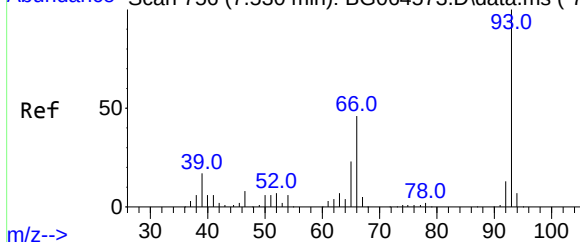
Abundance



Abundance Scan 453 (5.750 min): BG064622.D\data.ms (-36



Abundance Scan 756 (7.530 min): BG064573.D\data.ms (-74



#6

Aniline

Concen: 32.409 ng

RT: 7.524 min Scan# 755

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion: 93 Resp: 111247

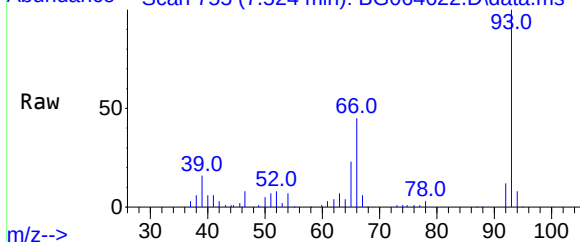
Ion Ratio Lower Upper

93 100

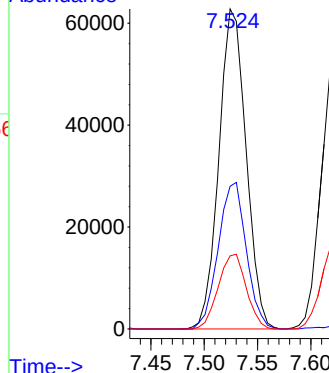
66 44.6 37.0 55.6

65 22.9 18.3 27.5

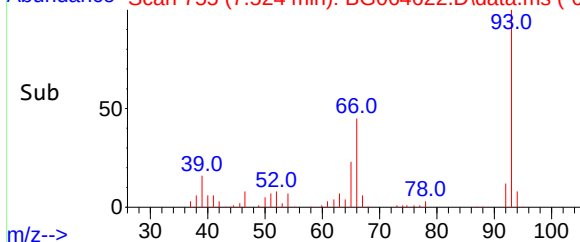
Abundance Scan 755 (7.524 min): BG064622.D\data.ms



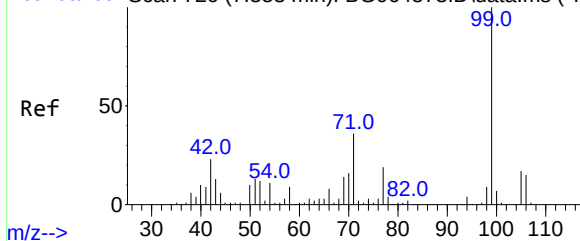
Abundance



Abundance Scan 755 (7.524 min): BG064622.D\data.ms (-66



Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71

#7
Phenol-d6

Concen: 125.132 ng

RT: 7.354 min Scan# 71

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

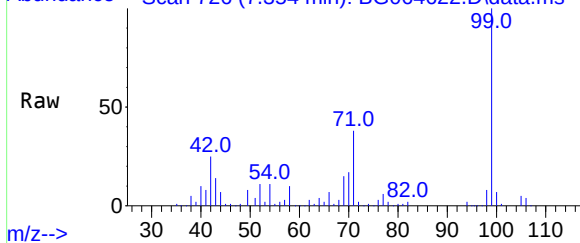
Instrument :

BNA_G

ClientSampleId :

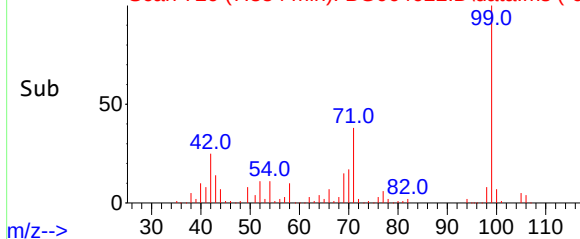
PB170215BS

Abundance Scan 726 (7.354 min): BG064622.D\data.ms



m/z-->

Abundance Scan 726 (7.354 min): BG064622.D\data.ms (-63



m/z-->

Tgt Ion: 99 Resp: 315661

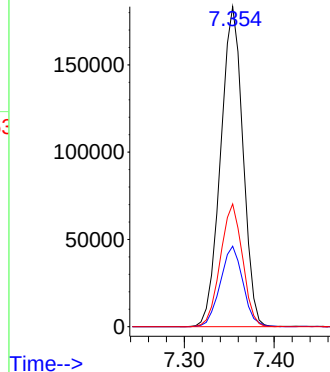
Ion Ratio Lower Upper

99 100

42 25.1 18.3 27.5

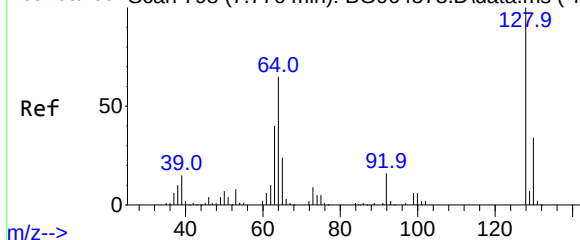
71 38.4 28.6 43.0

Abundance



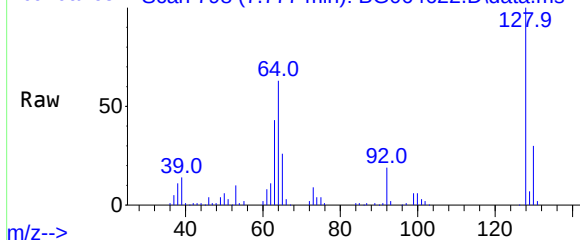
Time-->

Abundance Scan 798 (7.776 min): BG064573.D\data.ms (-79



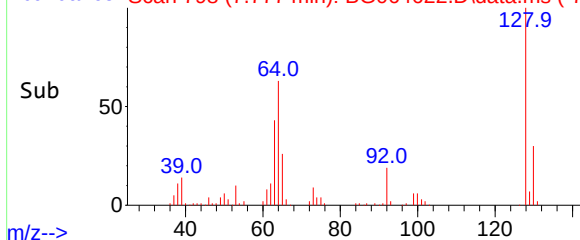
m/z-->

Abundance Scan 798 (7.777 min): BG064622.D\data.ms



m/z-->

Abundance Scan 798 (7.777 min): BG064622.D\data.ms (-70



m/z-->

#8

2-Chlorophenol

Concen: 46.861 ng

RT: 7.777 min Scan# 798

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion: 128 Resp: 90171

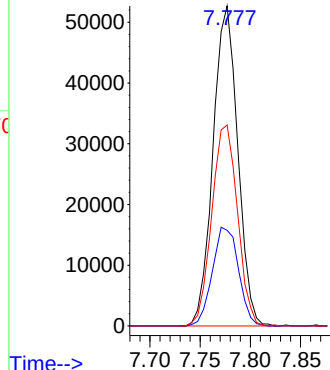
Ion Ratio Lower Upper

128 100

130 29.9 13.5 53.5

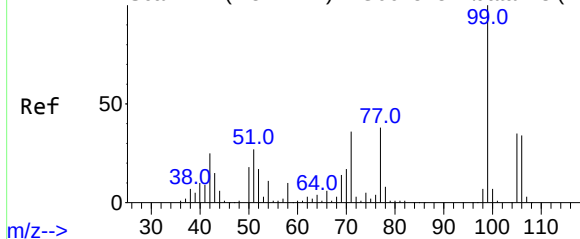
64 62.8 45.2 85.2

Abundance



Time-->

Abundance Scan 724 (7.342 min): BG064573.D\data.ms (-71



#9

Benzaldehyde

Concen: 32.430 ng

RT: 7.336 min Scan# 71

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

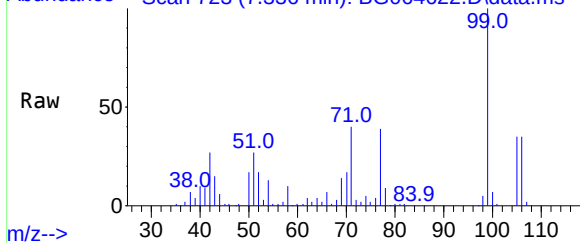
Instrument :

BNA_G

ClientSampleId :

PB170215BS

m/z--> Abundance Scan 723 (7.336 min): BG064622.D\data.ms



Tgt Ion: 77 Resp: 44662

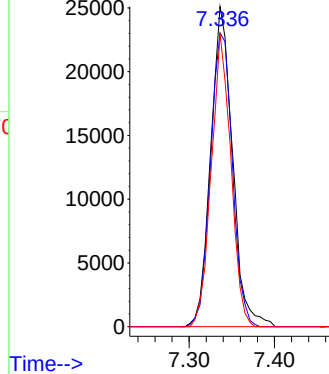
Ion Ratio Lower Upper

77 100

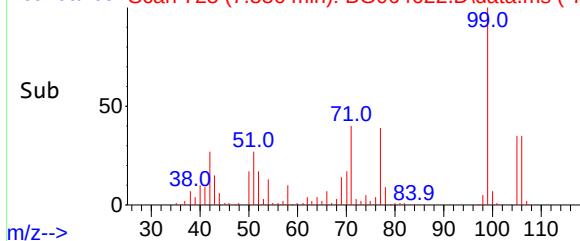
105 91.9 72.9 112.9

106 91.6 70.8 110.8

Abundance

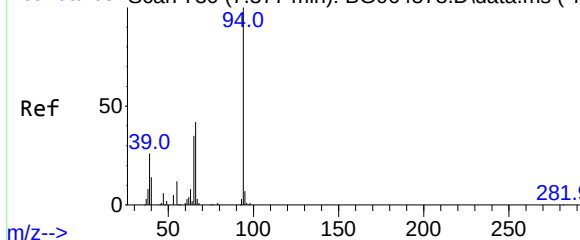


Abundance Scan 723 (7.336 min): BG064622.D\data.ms (-70



Time-->

Abundance Scan 730 (7.377 min): BG064573.D\data.ms (-72



#10

Phenol

Concen: 44.866 ng

RT: 7.377 min Scan# 730

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion: 94 Resp: 125167

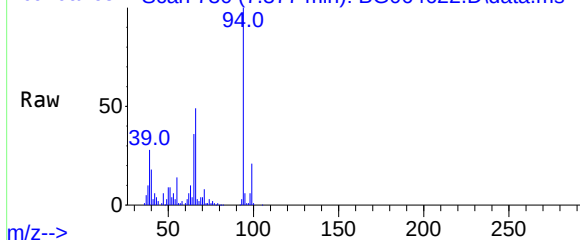
Ion Ratio Lower Upper

94 100

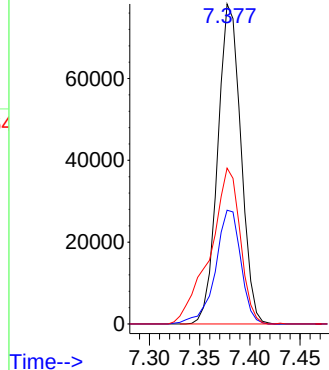
65 35.5 15.8 55.8

66 48.7 24.0 64.0

m/z--> Abundance Scan 730 (7.377 min): BG064622.D\data.ms

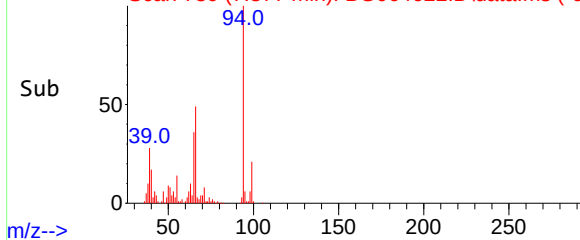


Abundance

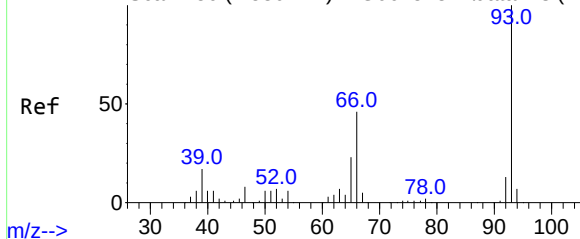


Time-->

Abundance Scan 730 (7.377 min): BG064622.D\data.ms (-64



Abundance Scan 756 (7.530 min): BG064573.D\data.ms (-74

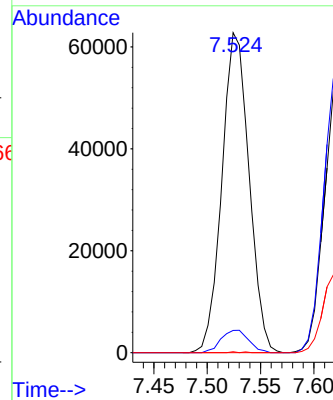
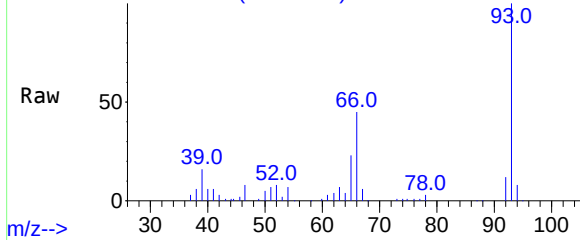


#11
bis(2-Chloroethyl)ether
Concen: 32.409 ng
RT: 7.524 min Scan# 711
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

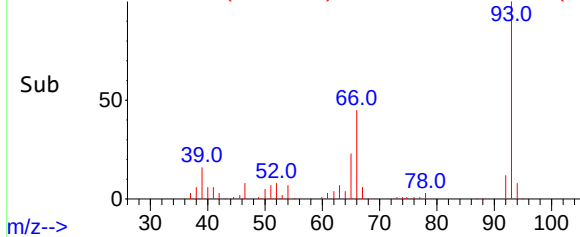
Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion: 93 Resp: 111247
Ion Ratio Lower Upper
93 100
63 6.9 0.0 27.4
95 0.3 0.0 20.2

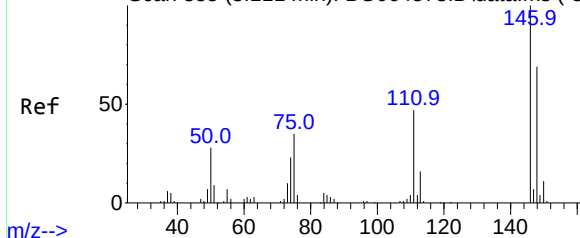
Abundance Scan 755 (7.524 min): BG064622.D\data.ms



Abundance Scan 755 (7.524 min): BG064622.D\data.ms (-66



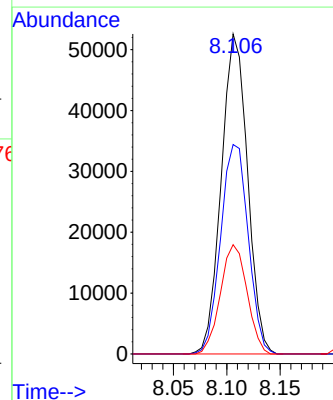
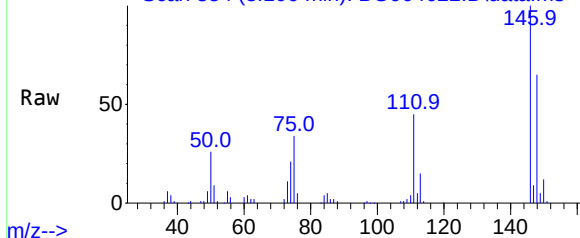
Abundance Scan 855 (8.111 min): BG064573.D\data.ms (-84



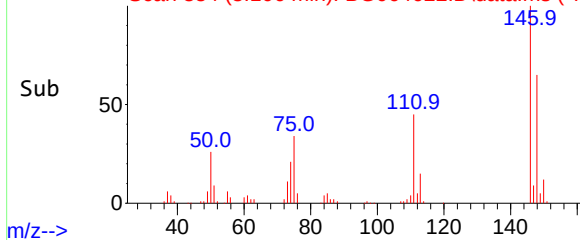
#12
1,3-Dichlorobenzene
Concen: 40.591 ng
RT: 8.106 min Scan# 854
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 146 Resp: 89896
Ion Ratio Lower Upper
146 100
148 65.5 55.3 82.9
75 34.2 28.2 42.2

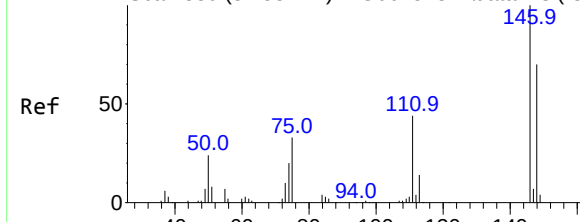
Abundance Scan 854 (8.106 min): BG064622.D\data.ms



Abundance Scan 854 (8.106 min): BG064622.D\data.ms (-76

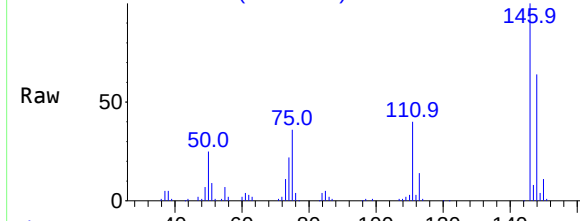


Abundance Scan 880 (8.258 min): BG064573.D\data.ms (-87



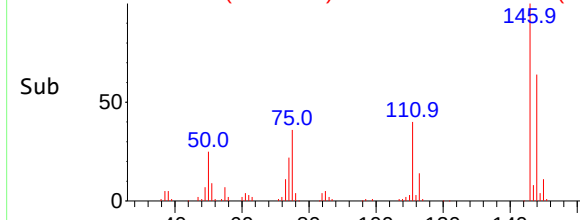
m/z-->

Abundance Scan 879 (8.253 min): BG064622.D\data.ms



m/z-->

Abundance Scan 879 (8.253 min): BG064622.D\data.ms (-78



m/z-->

#13

1,4-Dichlorobenzene

Concen: 42.560 ng

RT: 8.253 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

Tgt Ion:146 Resp: 95840

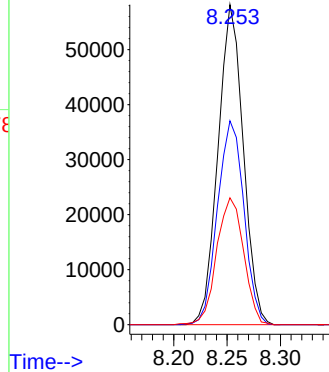
Ion Ratio Lower Upper

146 100

148 63.7 56.2 84.4

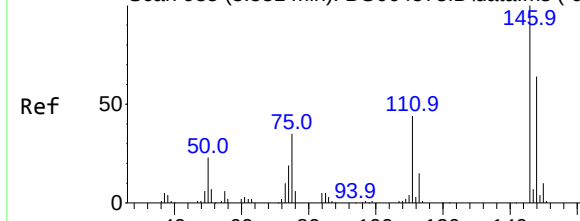
111 39.7 35.4 53.0

Abundance



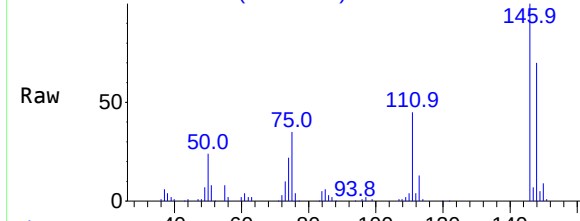
Time-->

Abundance Scan 935 (8.581 min): BG064573.D\data.ms (-92



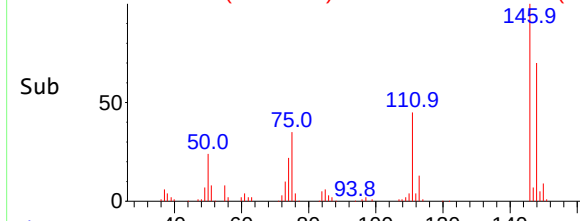
m/z-->

Abundance Scan 934 (8.576 min): BG064622.D\data.ms



m/z-->

Abundance Scan 934 (8.576 min): BG064622.D\data.ms (-84



m/z-->

#14

1,2-Dichlorobenzene

Concen: 43.998 ng

RT: 8.576 min Scan# 934

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion:146 Resp: 95566

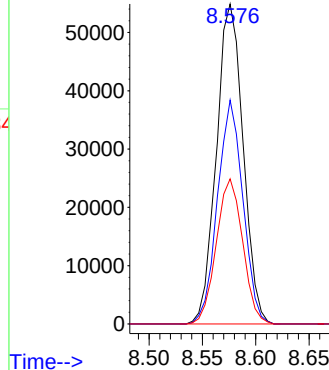
Ion Ratio Lower Upper

146 100

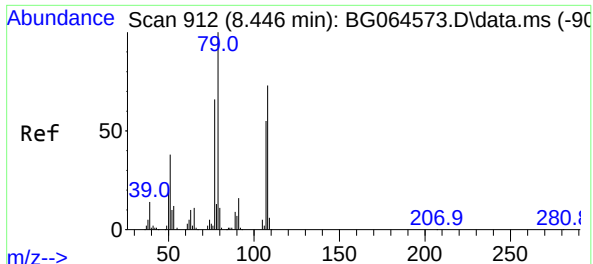
148 69.9 51.5 77.3

111 45.3 35.0 52.6

Abundance



Time-->



#15

Benzyl Alcohol

Concen: 46.959 ng

RT: 8.447 min Scan# 912

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

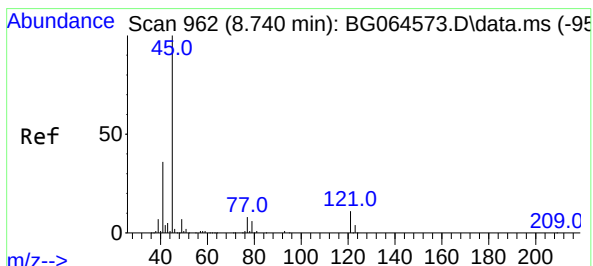
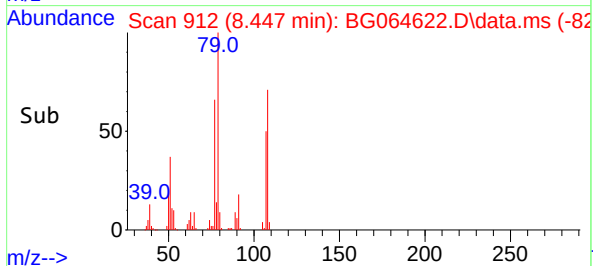
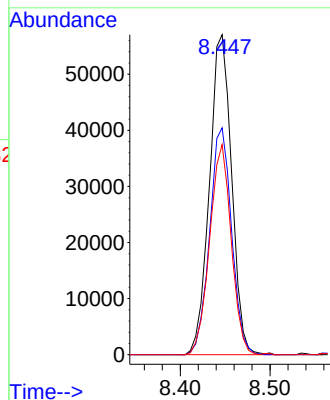
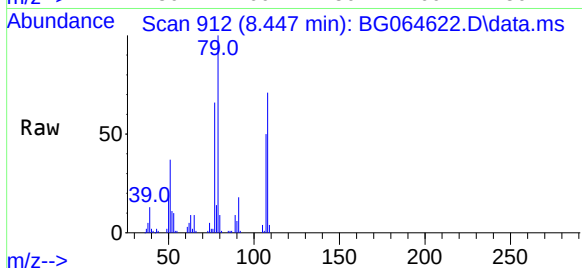
Tgt Ion: 79 Resp: 97685

Ion Ratio Lower Upper

79 100

108 70.9 58.1 87.1

77 65.6 52.8 79.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.690 ng

RT: 8.746 min Scan# 963

Delta R.T. 0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

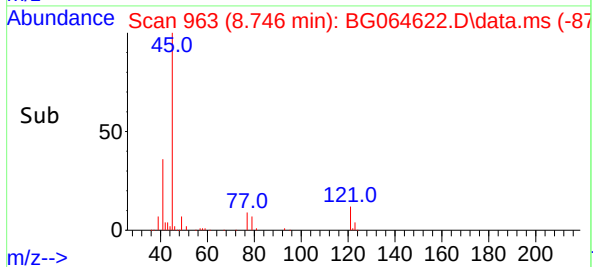
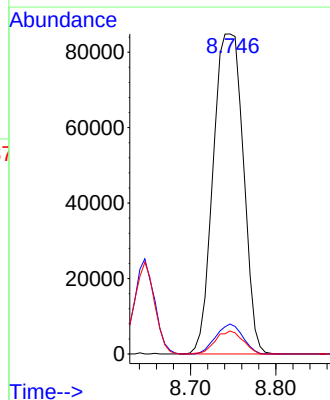
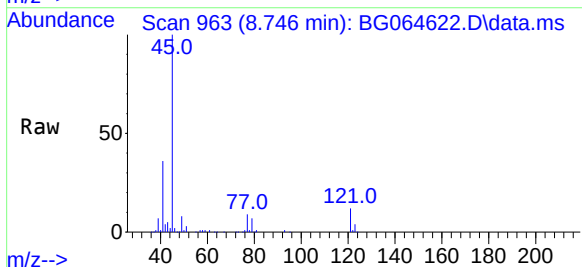
Tgt Ion: 45 Resp: 208165

Ion Ratio Lower Upper

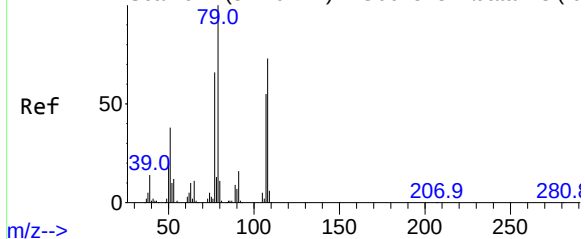
45 100

77 9.4 0.0 28.5

79 7.2 0.0 25.6



Abundance Scan 912 (8.446 min): BG064573.D\data.ms (-90



#17

2-Methylphenol

Concen: 47.125 ng

RT: 8.447 min Scan# 912

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

Tgt Ion:107 Resp: 49001

Ion Ratio Lower Upper

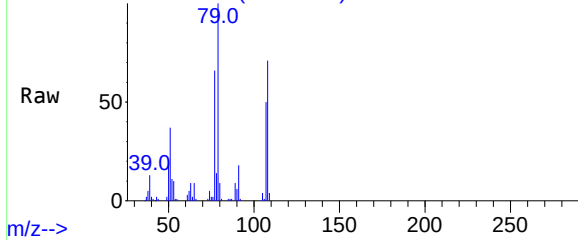
107 100

108 140.8 106.4 159.6

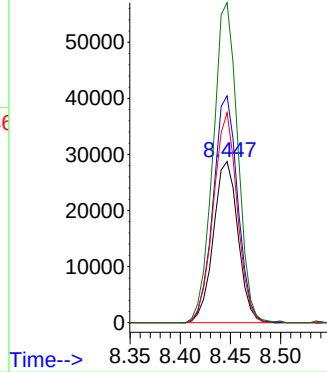
77 130.4 96.7 145.1

79 198.6 146.6 219.8

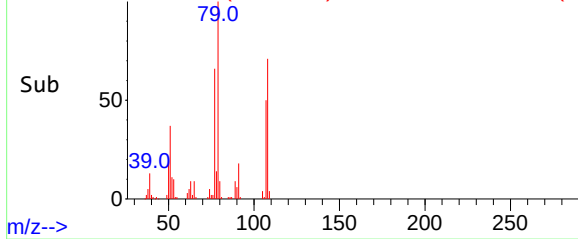
Abundance Scan 912 (8.447 min): BG064622.D\data.ms



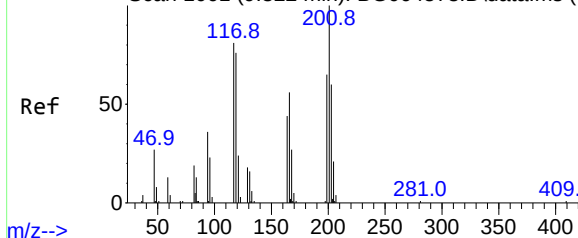
Abundance



Abundance Scan 912 (8.447 min): BG064622.D\data.ms (-86



Abundance Scan 1061 (9.322 min): BG064573.D\data.ms (-1



#18

Hexachloroethane

Concen: 44.022 ng

RT: 9.322 min Scan# 1061

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion:117 Resp: 34789

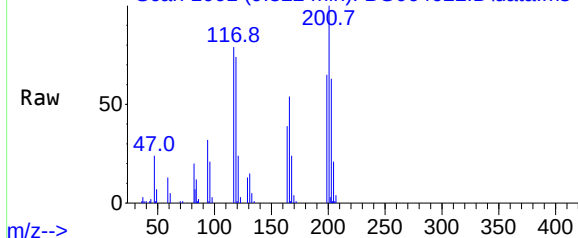
Ion Ratio Lower Upper

117 100

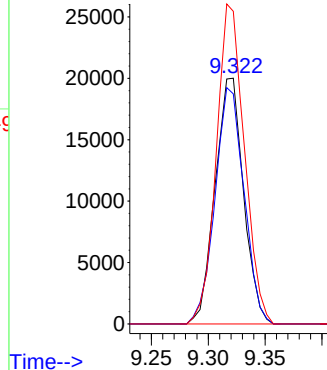
119 93.6 75.4 113.2

201 130.9 99.2 148.8

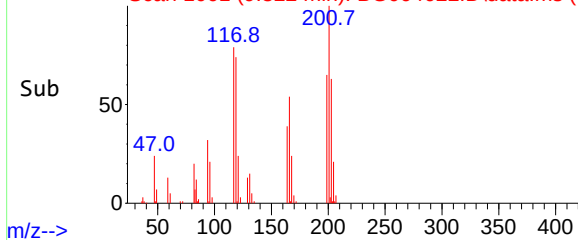
Abundance Scan 1061 (9.322 min): BG064622.D\data.ms

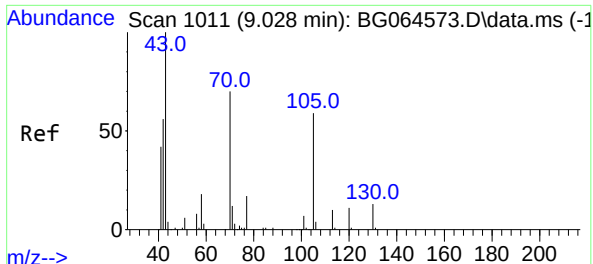


Abundance



Abundance Scan 1061 (9.322 min): BG064622.D\data.ms (-9





#19

n-Nitroso-di-n-propylamine

Concen: 43.365 ng

RT: 9.022 min Scan# 1011

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

Tgt Ion: 70 Resp: 75603

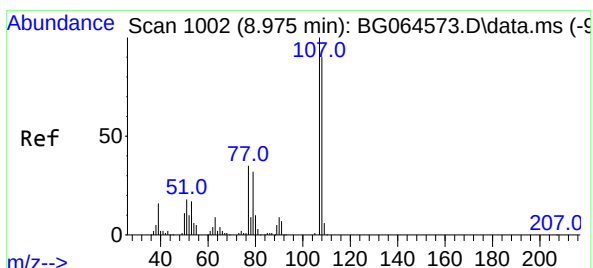
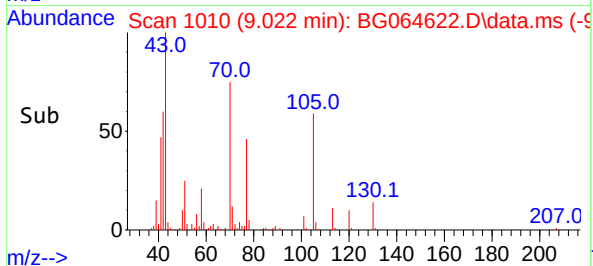
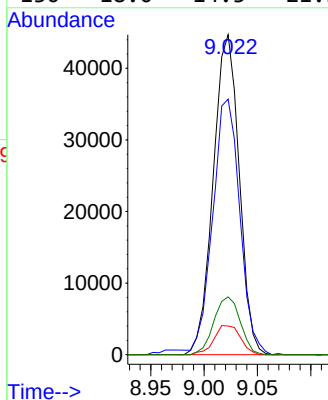
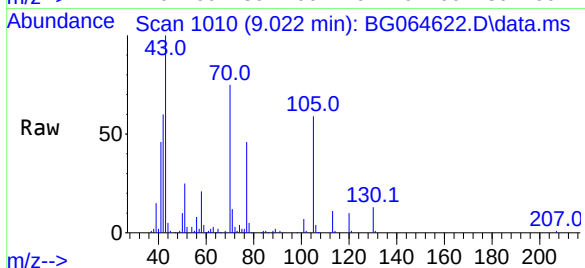
Ion Ratio Lower Upper

70 100

42 79.8 65.2 97.8

101 9.0 7.9 11.9

130 18.0 14.3 21.5



#20

3+4-Methylphenols

Concen: 44.339 ng

RT: 8.975 min Scan# 1002

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion: 107 Resp: 115498

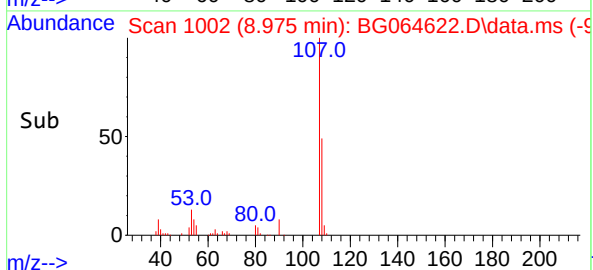
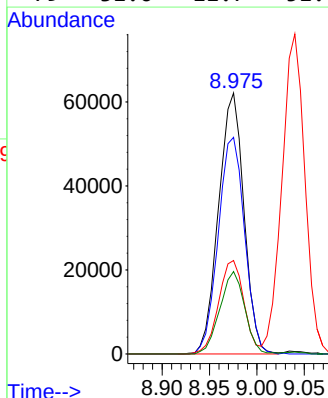
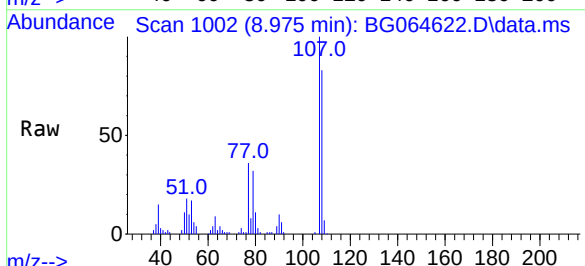
Ion Ratio Lower Upper

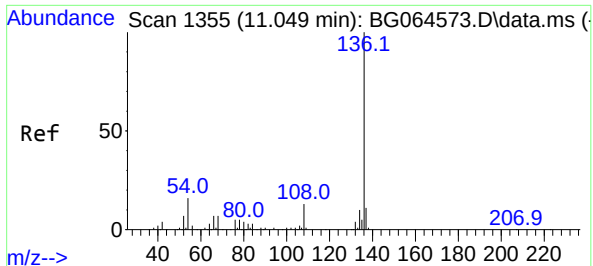
107 100

108 83.0 70.3 110.3

77 35.8 14.6 54.6

79 31.6 11.7 51.7



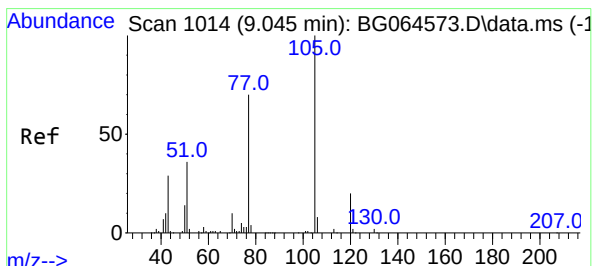
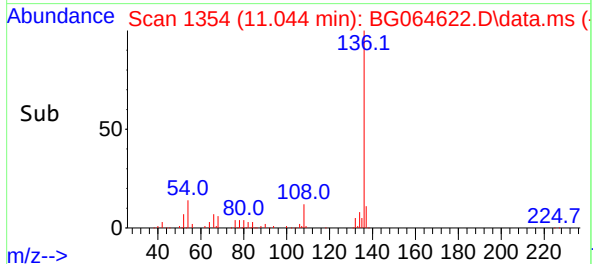
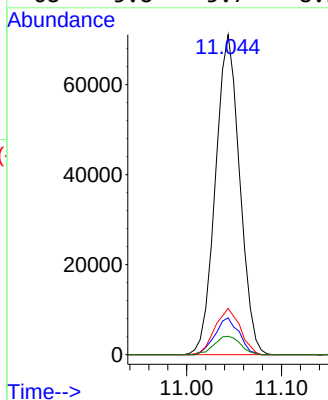
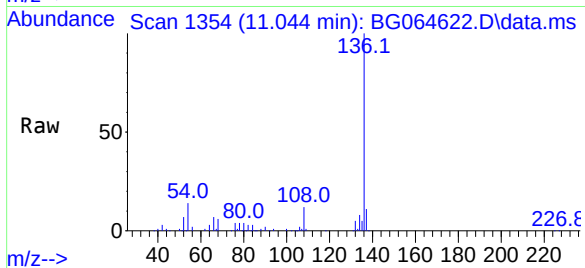


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:136 Resp: 126314

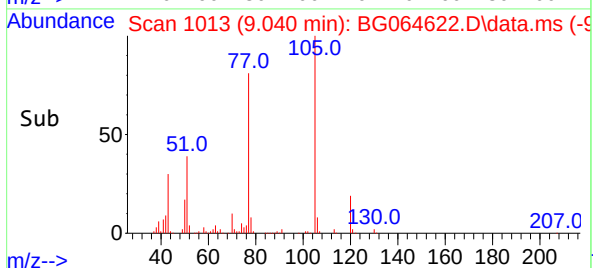
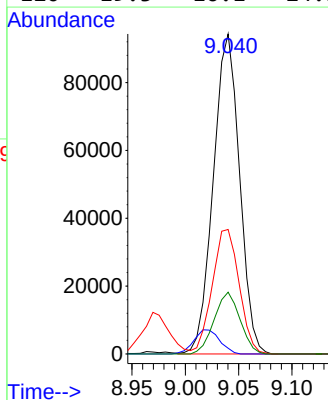
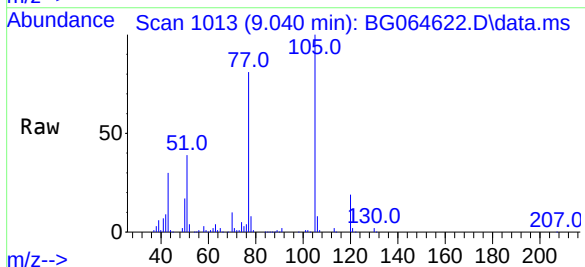
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	14.5	12.6	19.0
68	5.8	5.7	8.5

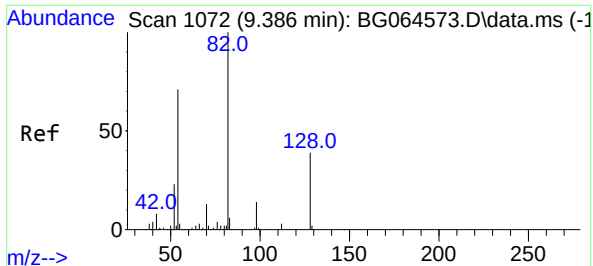


#22
Acetophenone
Concen: 46.691 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:105 Resp: 161222

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.5	2.3
51	38.9	33.7	50.5
120	19.3	16.1	24.1





#23

Nitrobenzene-d5

Concen: 95.443 ng

RT: 9.381 min Scan# 1071

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

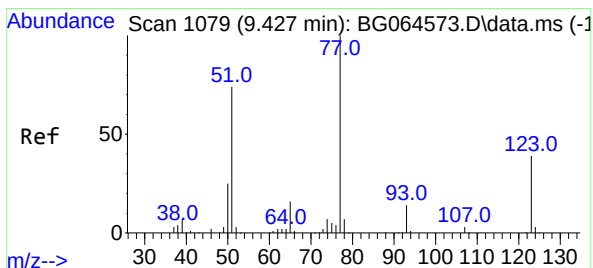
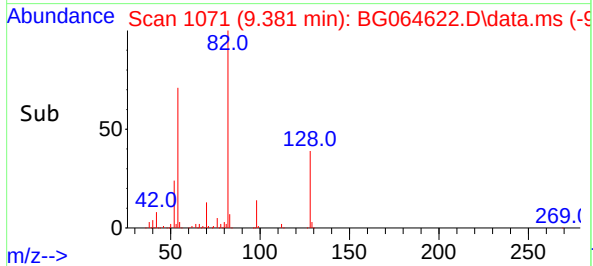
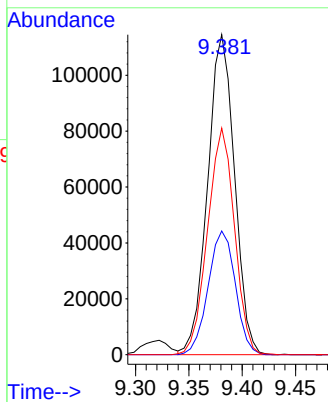
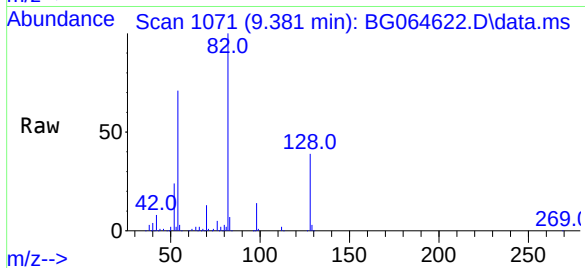
Tgt Ion: 82 Resp: 200721

Ion Ratio Lower Upper

82 100

128 38.7 31.3 46.9

54 70.8 56.6 84.8



#24

Nitrobenzene

Concen: 47.891 ng

RT: 9.422 min Scan# 1078

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

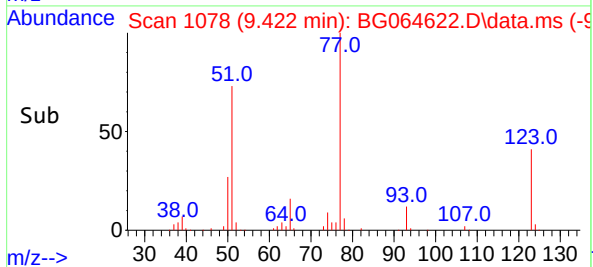
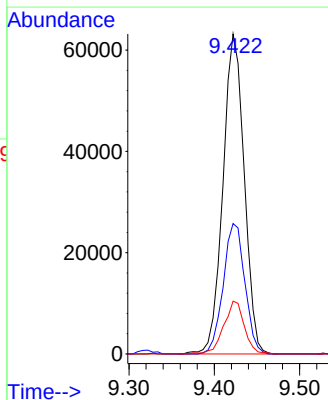
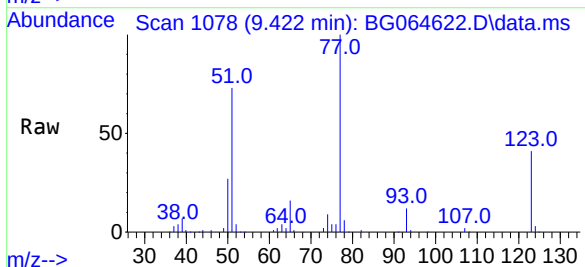
Tgt Ion: 77 Resp: 109545

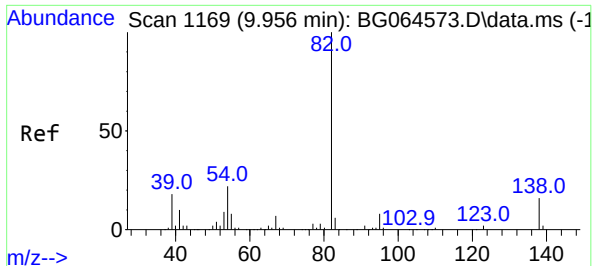
Ion Ratio Lower Upper

77 100

123 40.7 31.0 46.6

65 16.5 12.7 19.1

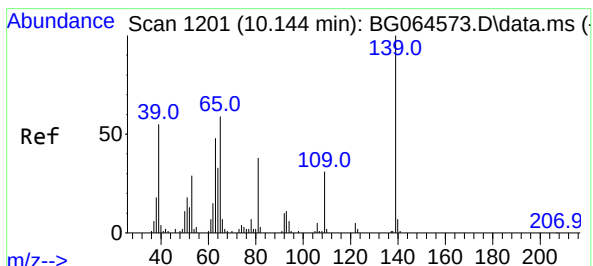
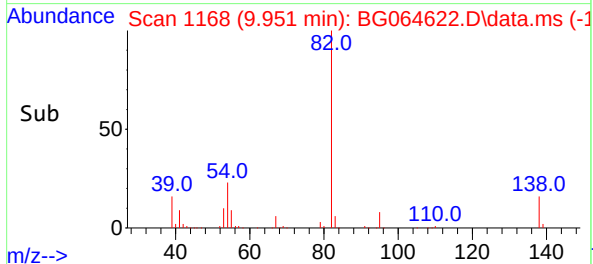
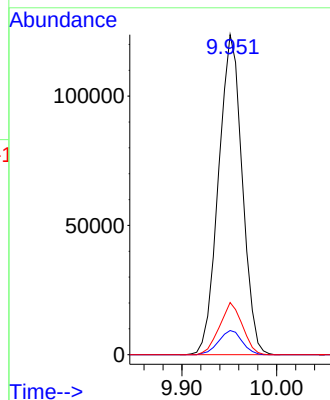
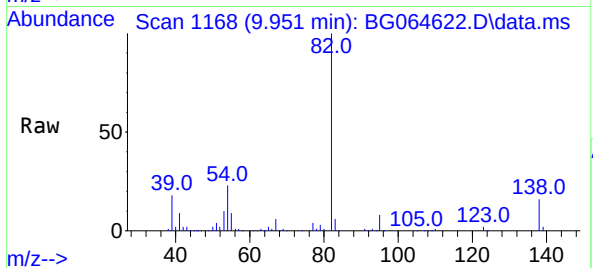




#25
Isophorone
Concen: 42.623 ng
RT: 9.951 min Scan# 1169
Delta R.T. -0.015 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

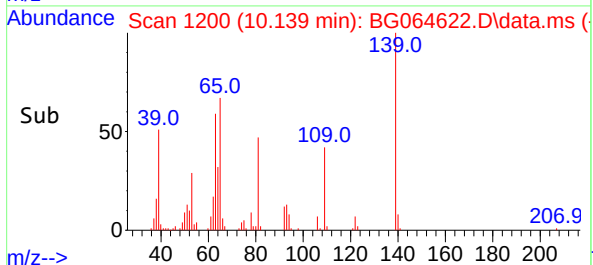
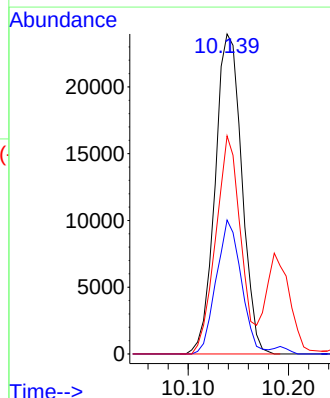
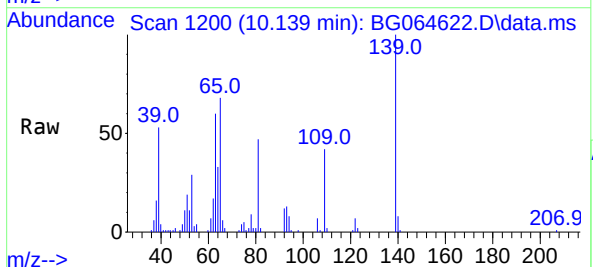
Instrument :
BNA_G
ClientSampleId :
PB170215BS

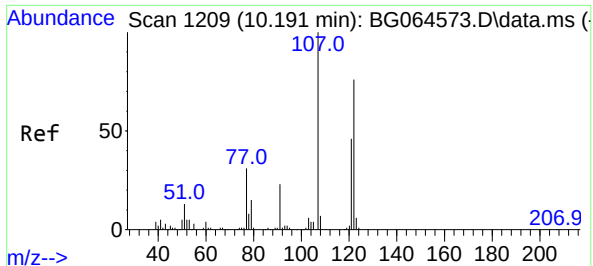
Tgt Ion: 82 Resp: 215090
Ion Ratio Lower Upper
82 100
95 7.5 6.1 9.1
138 16.3 13.0 19.4



#26
2-Nitrophenol
Concen: 49.908 ng
RT: 10.139 min Scan# 1200
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 139 Resp: 44164
Ion Ratio Lower Upper
139 100
109 41.8 24.6 37.0#
65 68.2 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 49.980 ng

RT: 10.192 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

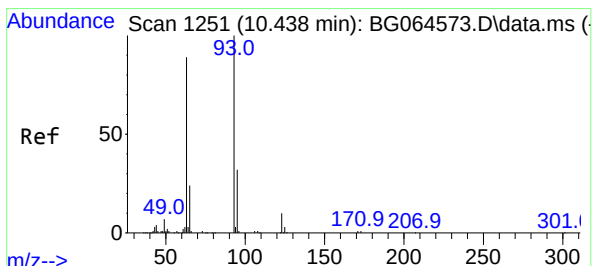
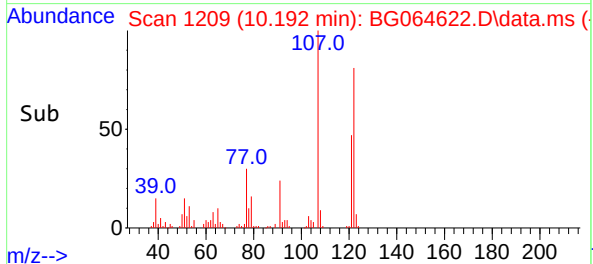
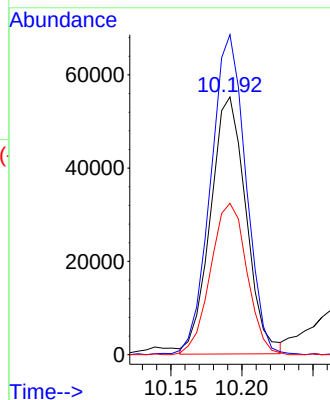
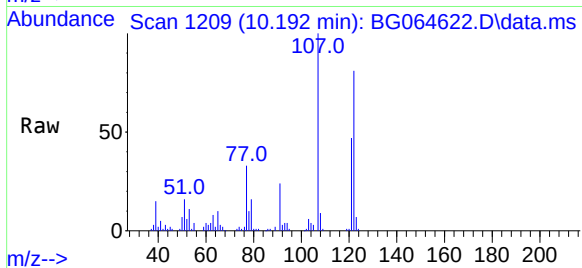
Tgt Ion:122 Resp: 95696

Ion Ratio Lower Upper

122 100

107 124.2 103.0 154.4

121 58.7 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 42.458 ng

RT: 10.433 min Scan# 1250

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

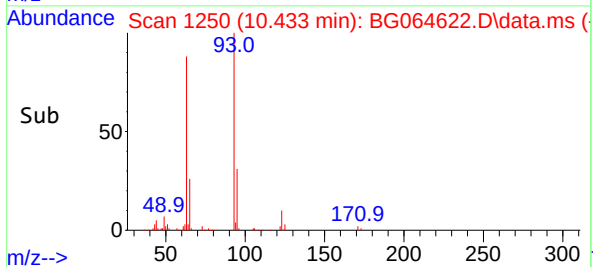
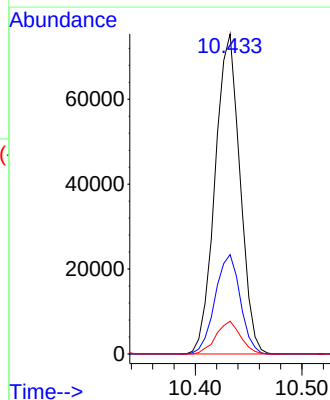
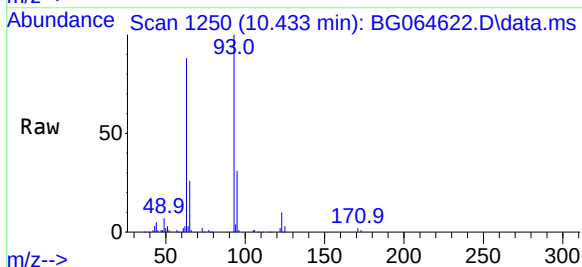
Tgt Ion: 93 Resp: 121990

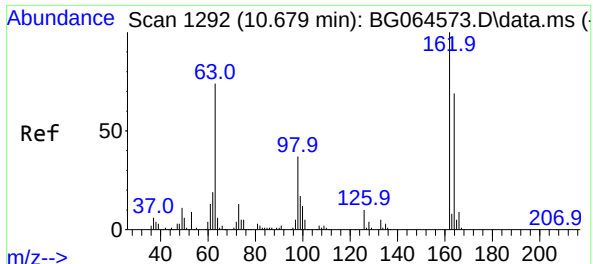
Ion Ratio Lower Upper

93 100

95 31.0 25.4 38.2

123 10.3 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 49.036 ng

RT: 10.679 min Scan# 1292

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

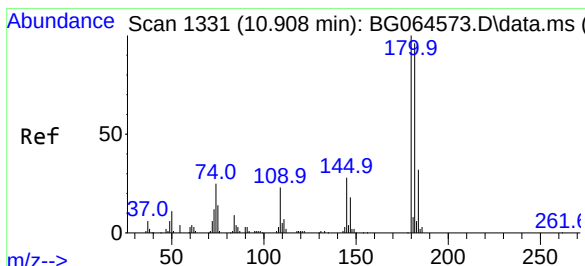
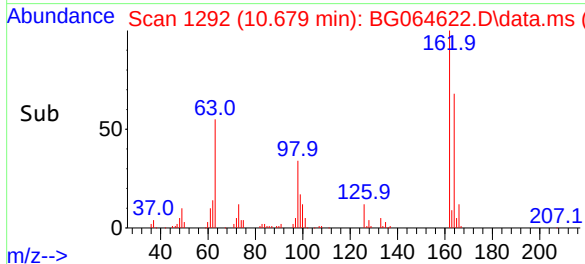
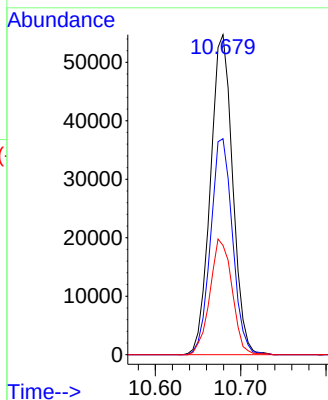
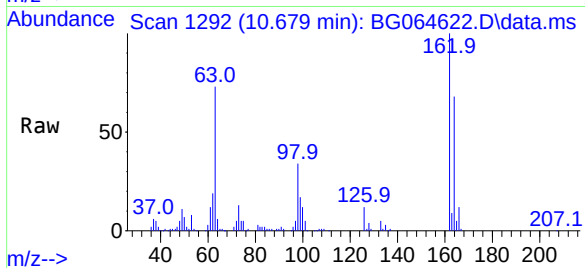
Tgt Ion:162 Resp: 99058

Ion Ratio Lower Upper

162 100

164 67.5 48.7 88.7

98 34.2 16.9 56.9



#30

1,2,4-Trichlorobenzene

Concen: 46.541 ng

RT: 10.903 min Scan# 1330

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

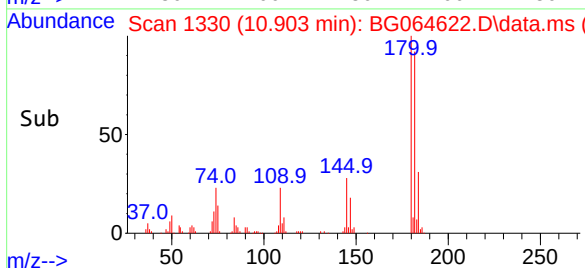
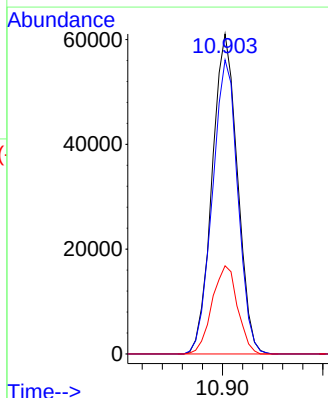
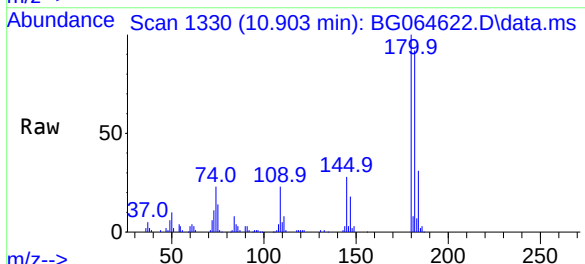
Tgt Ion:180 Resp: 106824

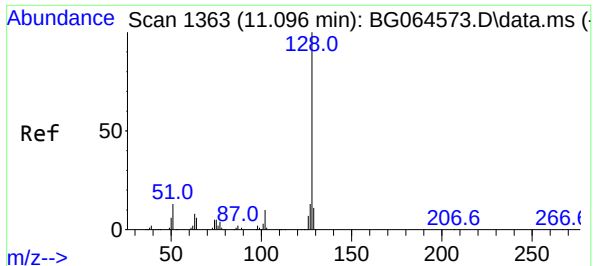
Ion Ratio Lower Upper

180 100

182 91.9 76.9 115.3

145 27.5 22.1 33.1

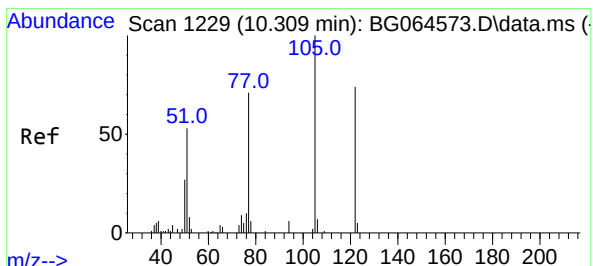
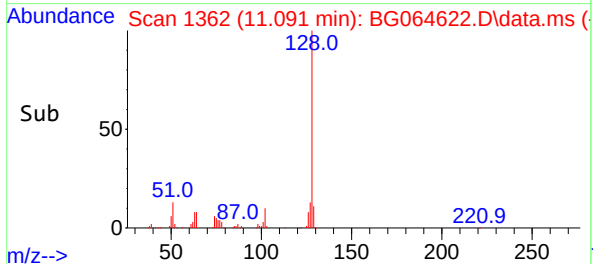
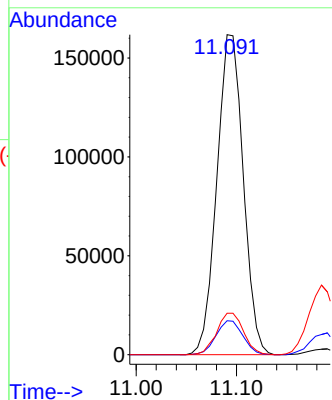
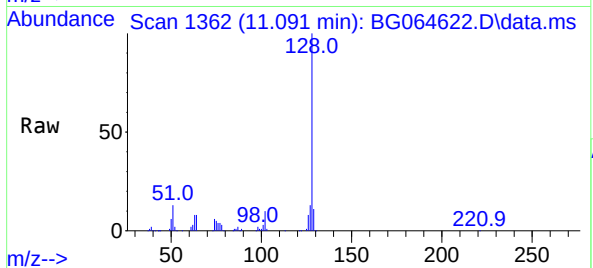




#31
Naphthalene
Concen: 42.229 ng
RT: 11.091 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

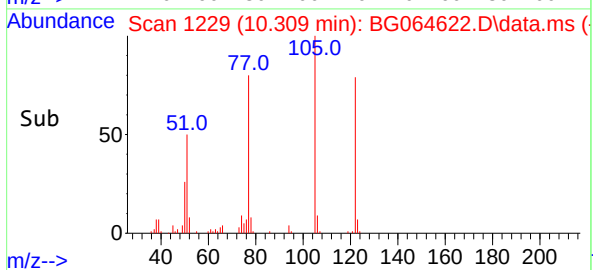
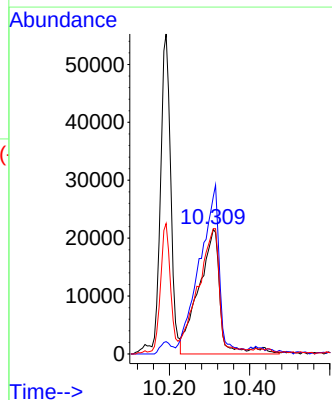
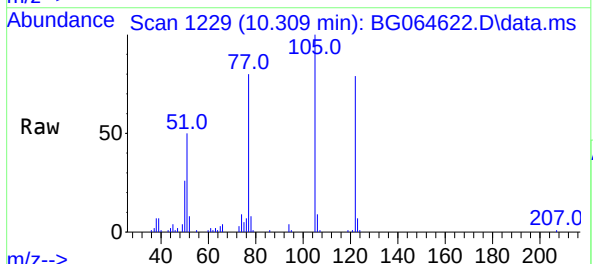
Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:128 Resp: 295744
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.9 10.6 15.8

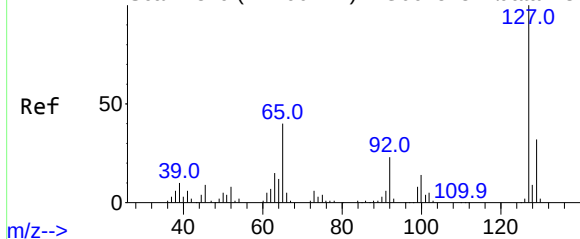


#32
Benzoic acid
Concen: 56.670 ng m
RT: 10.309 min Scan# 1229
Delta R.T. -0.033 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:122 Resp: 80232
Ion Ratio Lower Upper
122 100
105 126.3 104.2 144.2
77 100.4 70.2 110.2



Abundance Scan 1379 (11.190 min): BG064573.D\data.ms (



#33

4-Chloroaniline

Concen: 23.675 ng

RT: 11.185 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

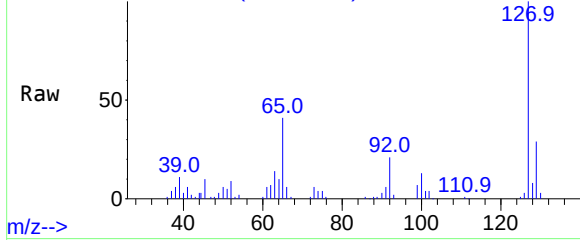
BNA_G

ClientSampleId :

PB170215BS

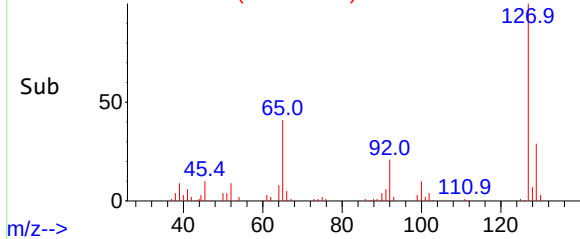
m/z-->

Abundance Scan 1378 (11.185 min): BG064622.D\data.ms



m/z-->

Abundance Scan 1378 (11.185 min): BG064622.D\data.ms (



m/z-->

Tgt Ion:127 Resp: 64445

Ion Ratio Lower Upper

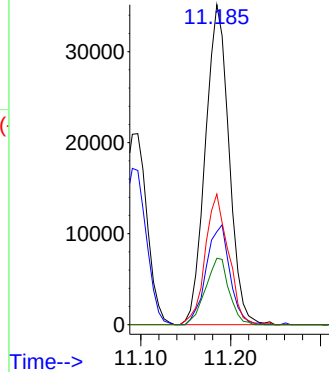
127 100

129 29.0 25.5 38.3

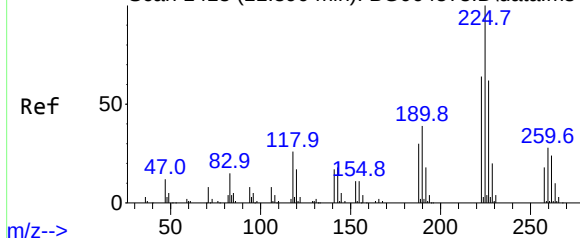
65 40.8 32.2 48.4

92 20.7 18.2 27.2

Abundance

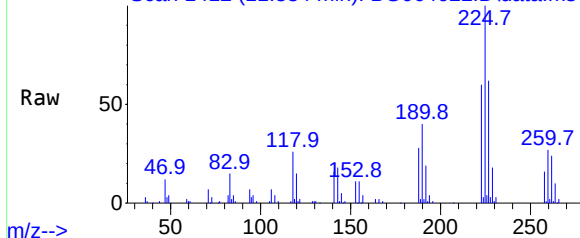


Abundance Scan 1413 (11.390 min): BG064573.D\data.ms (



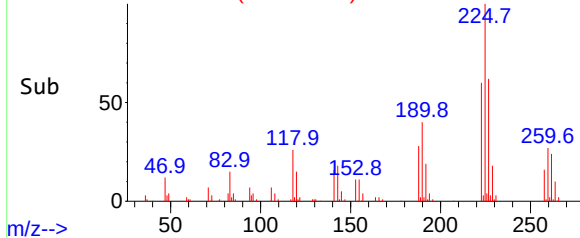
m/z-->

Abundance Scan 1412 (11.384 min): BG064622.D\data.ms



m/z-->

Abundance Scan 1412 (11.384 min): BG064622.D\data.ms (



m/z-->

#34

Hexachlorobutadiene

Concen: 43.919 ng

RT: 11.384 min Scan# 1412

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion:225 Resp: 78836

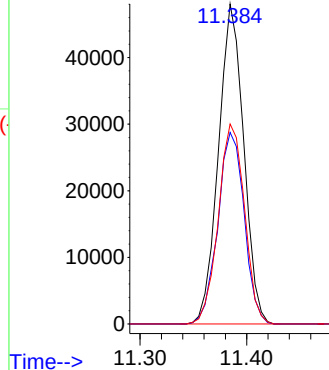
Ion Ratio Lower Upper

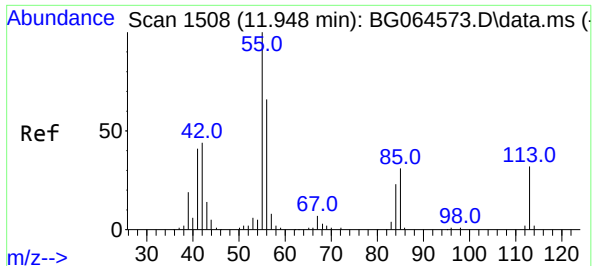
225 100

223 57.4 48.8 73.2

227 62.7 49.5 74.3

Abundance

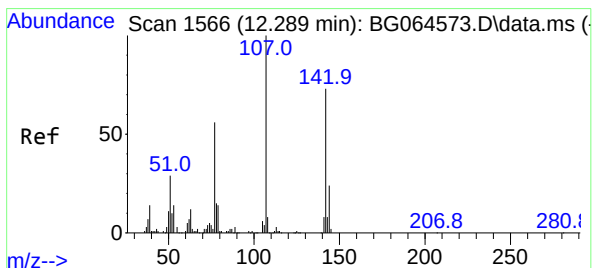
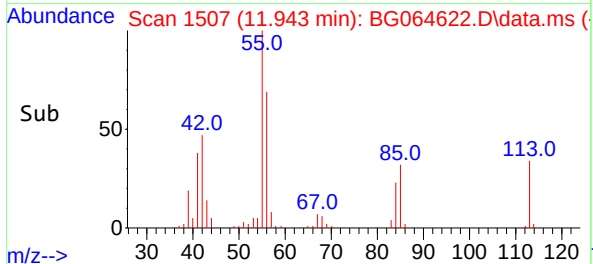
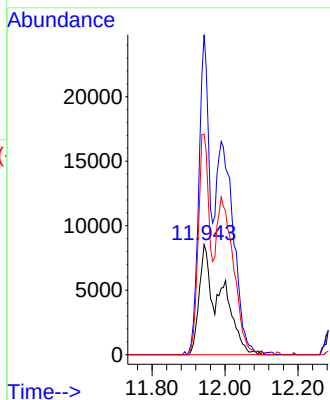
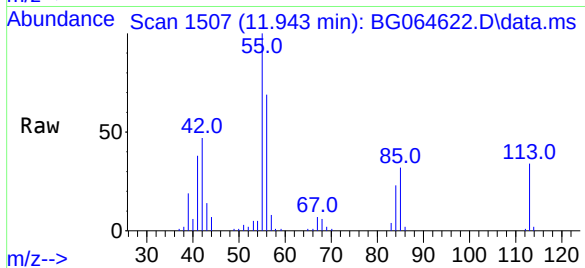




#35
 Caprolactam
 Concen: 45.563 ng m
 RT: 11.943 min Scan# 11
 Delta R.T. -0.032 min
 Lab File: BG064622.D
 Acq: 29 Oct 2025 14:06

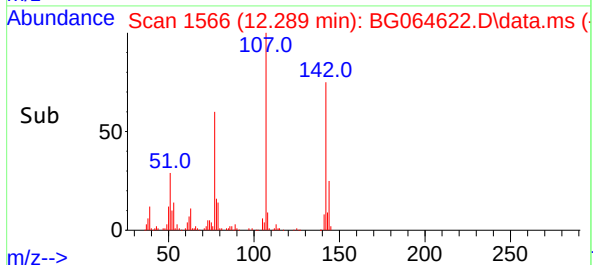
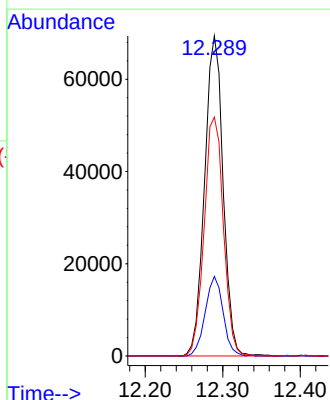
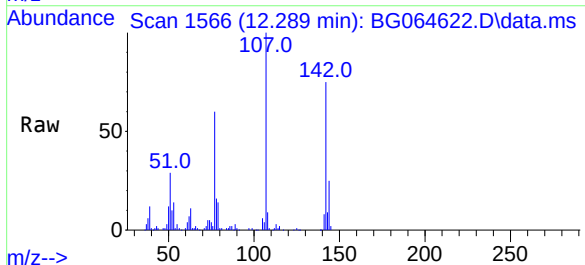
Instrument :
 BNA_G
 ClientSampleId :
 PB170215BS

Tgt Ion:113 Resp: 35302
 Ion Ratio Lower Upper
 113 100
 55 290.8 290.1 330.1
 56 200.3 183.8 223.8

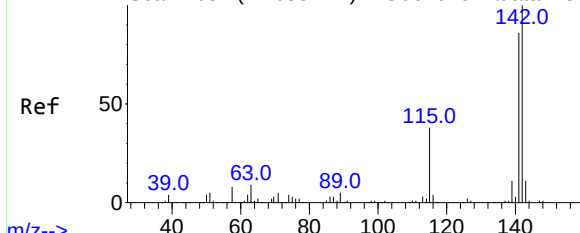


#36
 4-Chloro-3-methylphenol
 Concen: 47.506 ng
 RT: 12.289 min Scan# 1566
 Delta R.T. -0.009 min
 Lab File: BG064622.D
 Acq: 29 Oct 2025 14:06

Tgt Ion:107 Resp: 115355
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.1 28.7
 142 74.6 58.6 87.8



Abundance Scan 1634 (12.688 min): BG064573.D\data.ms (



#37

2-Methylnaphthalene

Concen: 39.066 ng

RT: 12.683 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

Tgt Ion:142 Resp: 200867

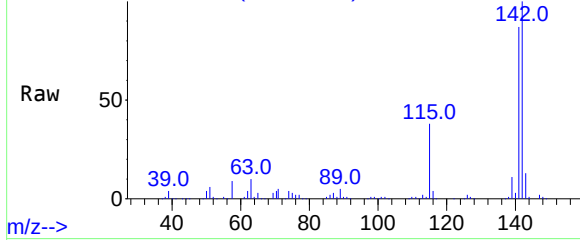
Ion Ratio Lower Upper

142 100

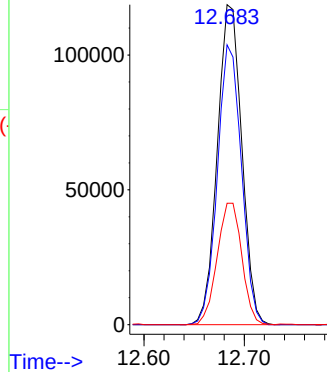
141 87.5 68.9 103.3

115 38.0 30.6 46.0

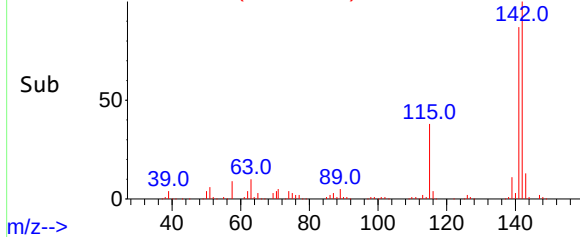
Abundance Scan 1633 (12.683 min): BG064622.D\data.ms



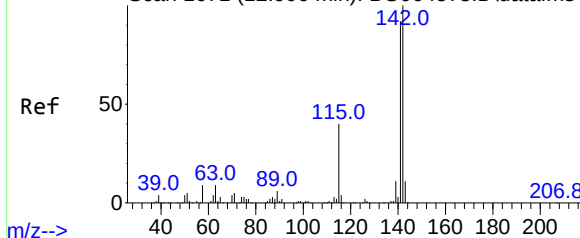
Abundance



Abundance Scan 1633 (12.683 min): BG064622.D\data.ms (



Abundance Scan 1671 (12.906 min): BG064573.D\data.ms (



#38

1-Methylnaphthalene

Concen: 41.666 ng

RT: 12.900 min Scan# 1670

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion:142 Resp: 210799

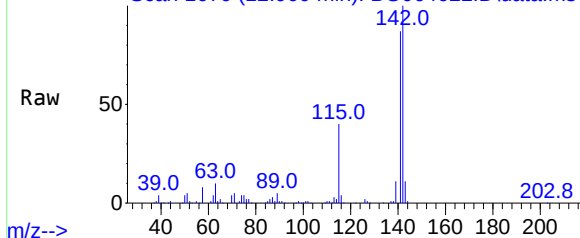
Ion Ratio Lower Upper

142 100

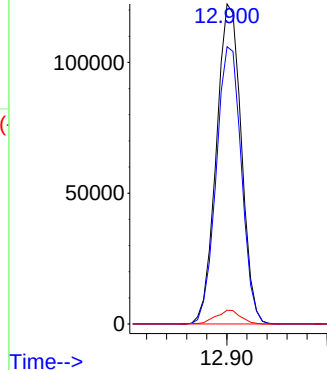
141 86.7 73.3 109.9

116 4.3 3.1 4.7

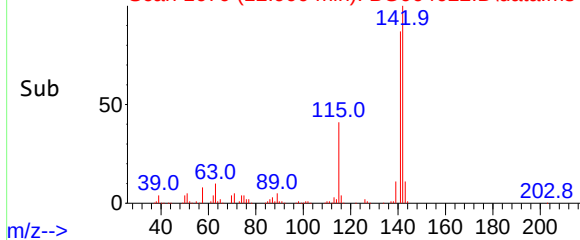
Abundance Scan 1670 (12.900 min): BG064622.D\data.ms



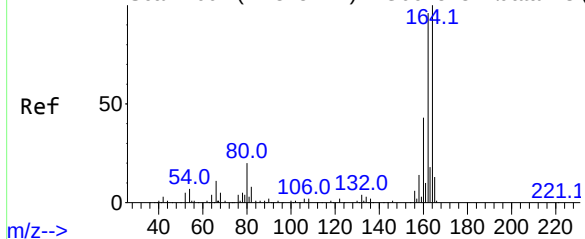
Abundance



Abundance Scan 1670 (12.900 min): BG064622.D\data.ms (



Abundance Scan 2001 (14.845 min): BG064573.D\data.ms (



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 20

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

Tgt Ion:164 Resp: 102616

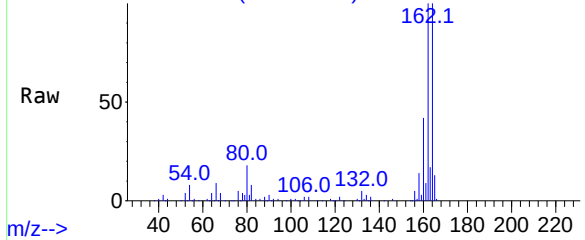
Ion Ratio Lower Upper

164 100

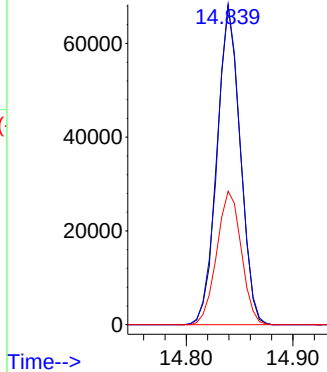
162 100.2 77.0 115.6

160 41.8 34.4 51.6

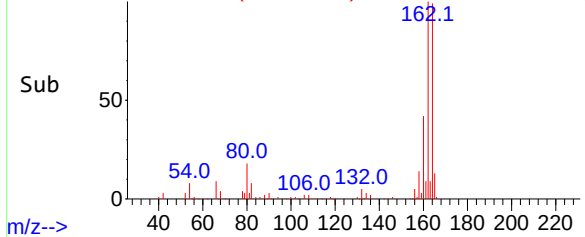
Abundance Scan 2000 (14.839 min): BG064622.D\data.ms



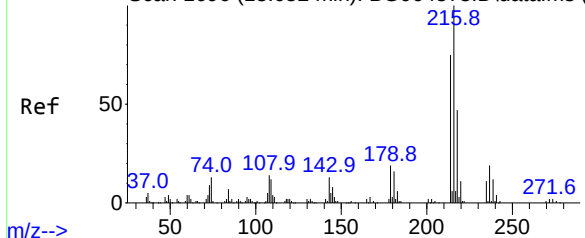
Abundance



Abundance Scan 2000 (14.839 min): BG064622.D\data.ms (



Abundance Scan 1696 (13.052 min): BG064573.D\data.ms (



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.629 ng

RT: 13.047 min Scan# 1695

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion:216 Resp: 160584

Ion Ratio Lower Upper

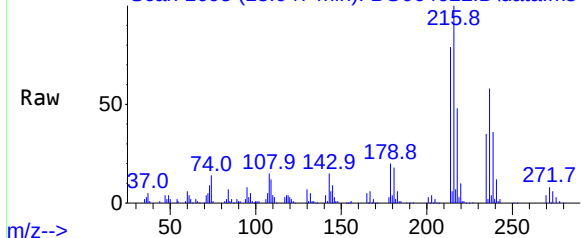
216 100

214 77.1 61.4 92.2

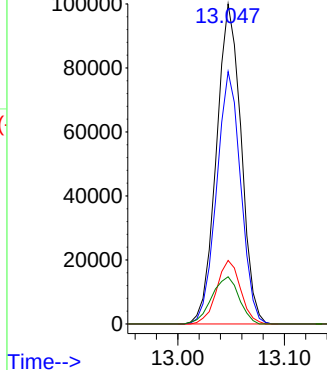
179 19.2 15.4 23.0

108 16.3 11.8 17.6

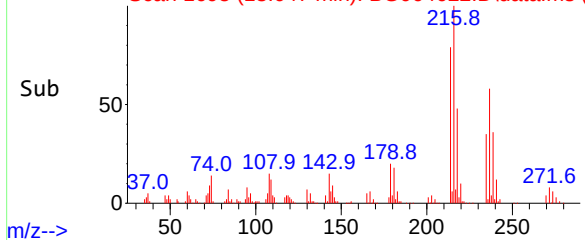
Abundance Scan 1695 (13.047 min): BG064622.D\data.ms



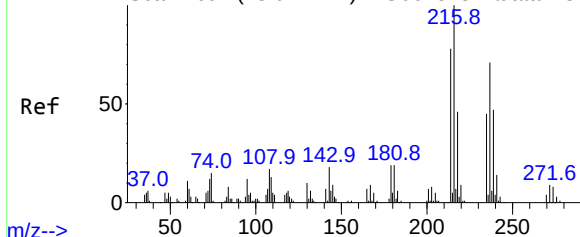
Abundance



Abundance Scan 1695 (13.047 min): BG064622.D\data.ms (



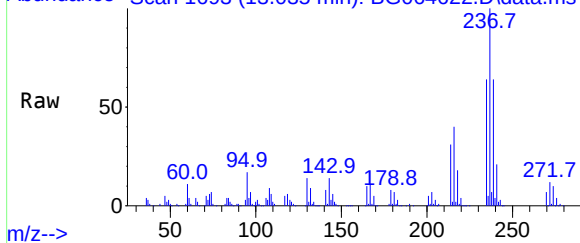
Abundance Scan 1694 (13.041 min): BG064573.D\data.ms (



#41
 Hexachlorocyclopentadiene
 Concen: 124.589 ng
 RT: 13.035 min Scan# 1693
 Delta R.T. -0.003 min
 Lab File: BG064622.D
 Acq: 29 Oct 2025 14:06

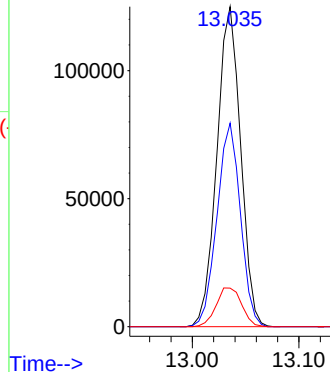
Instrument :
 BNA_G
 ClientSampleId :
 PB170215BS

Abundance Scan 1693 (13.035 min): BG064622.D\data.ms

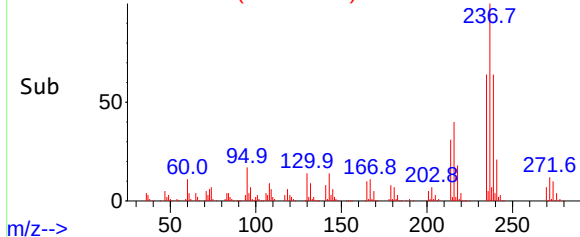


Tgt Ion: 237 Resp: 193126
 Ion Ratio Lower Upper
 237 100
 235 63.6 44.1 84.1
 272 12.1 0.0 32.4

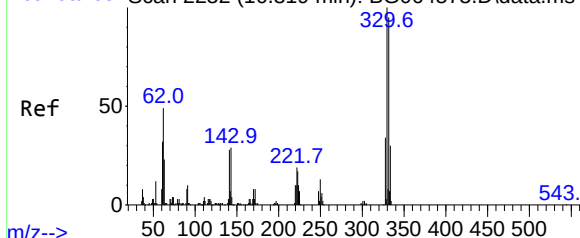
Abundance



Abundance Scan 1693 (13.035 min): BG064622.D\data.ms (



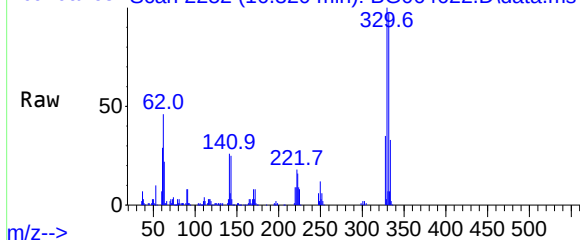
Abundance Scan 2252 (16.319 min): BG064573.D\data.ms (



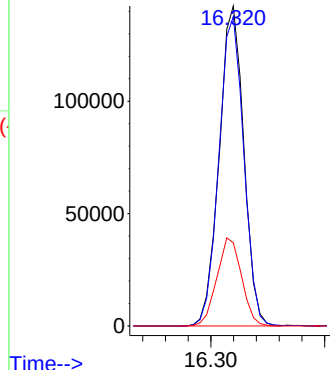
#42
 2,4,6-Tribromophenol
 Concen: 144.224 ng
 RT: 16.320 min Scan# 2252
 Delta R.T. -0.003 min
 Lab File: BG064622.D
 Acq: 29 Oct 2025 14:06

Tgt Ion: 330 Resp: 213604
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.0 117.0
 141 27.7 21.8 32.6

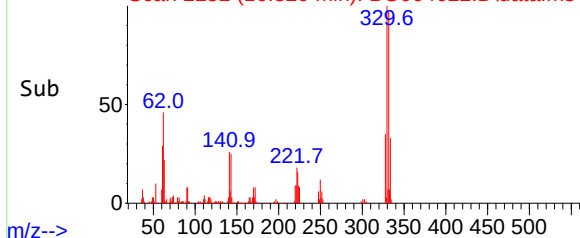
Abundance Scan 2252 (16.320 min): BG064622.D\data.ms



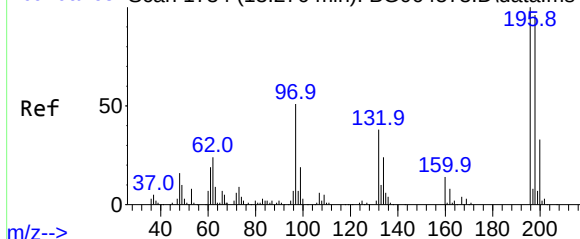
Abundance



Abundance Scan 2252 (16.320 min): BG064622.D\data.ms (



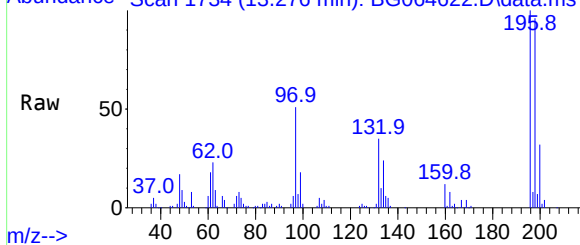
Abundance Scan 1734 (13.276 min): BG064573.D\data.ms (



#43
2,4,6-Trichlorophenol
Concen: 49.656 ng
RT: 13.276 min Scan# 1734
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

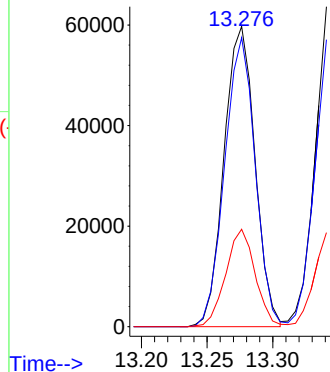
Instrument :
BNA_G
ClientSampleId :
PB170215BS

m/z--> Abundance Scan 1734 (13.276 min): BG064622.D\data.ms

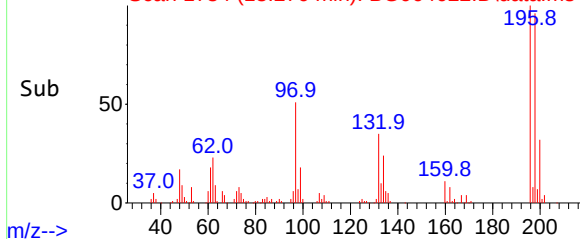


Tgt Ion:196 Resp: 97819
Ion Ratio Lower Upper
196 100
198 96.2 76.6 115.0
200 32.5 26.0 39.0

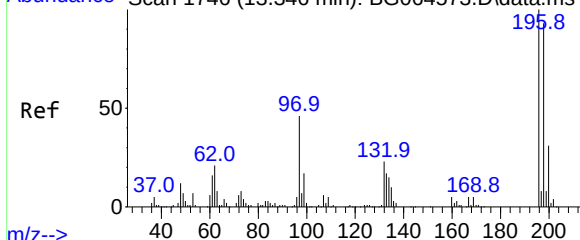
Abundance



m/z--> Abundance Scan 1734 (13.276 min): BG064622.D\data.ms (



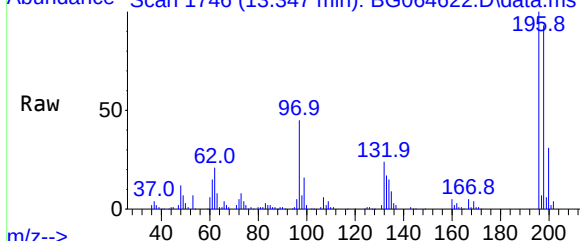
Abundance Scan 1746 (13.346 min): BG064573.D\data.ms (



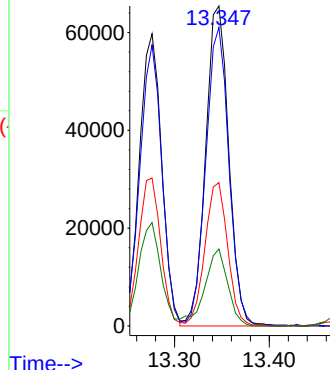
#44
2,4,5-Trichlorophenol
Concen: 48.976 ng
RT: 13.347 min Scan# 1746
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:196 Resp: 111336
Ion Ratio Lower Upper
196 100
198 93.3 74.2 111.4
97 44.8 37.0 55.6
132 24.0 18.5 27.7

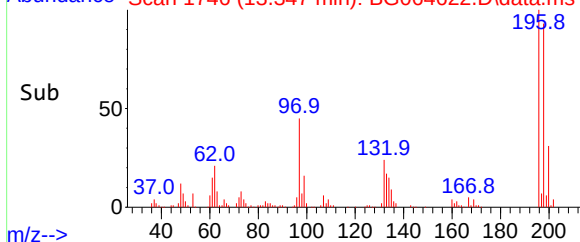
m/z--> Abundance Scan 1746 (13.347 min): BG064622.D\data.ms

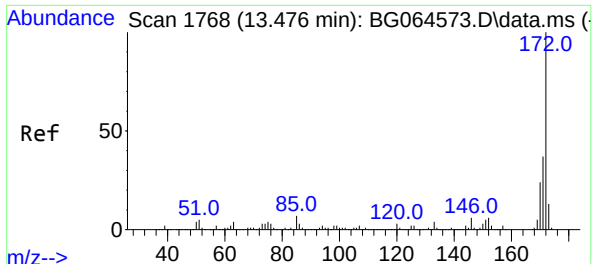


Abundance



m/z--> Abundance Scan 1746 (13.347 min): BG064622.D\data.ms (

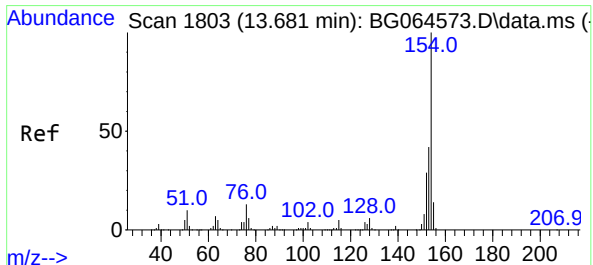
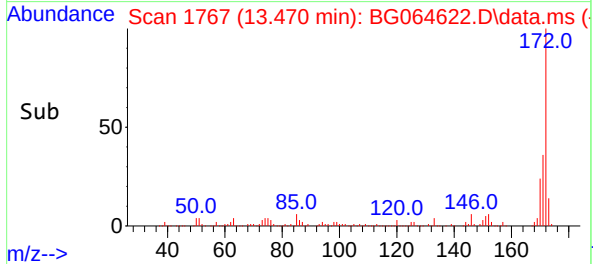
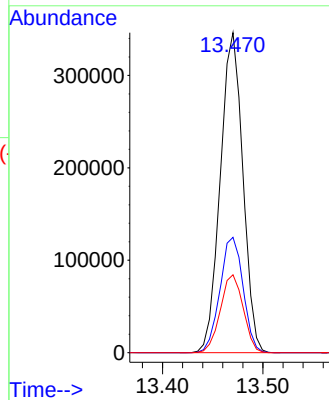
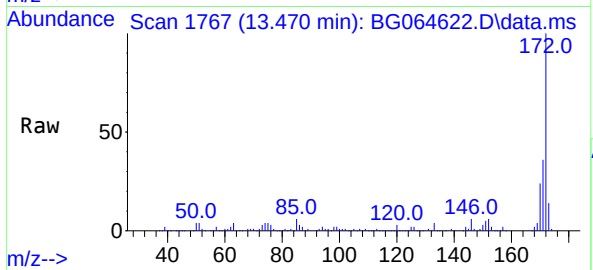




#45
2-Fluorobiphenyl
Concen: 79.642 ng
RT: 13.470 min Scan# 1768
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

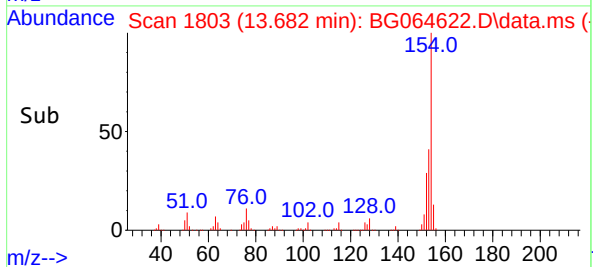
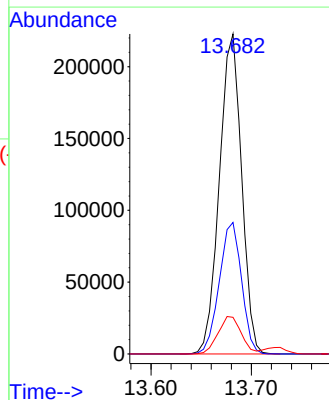
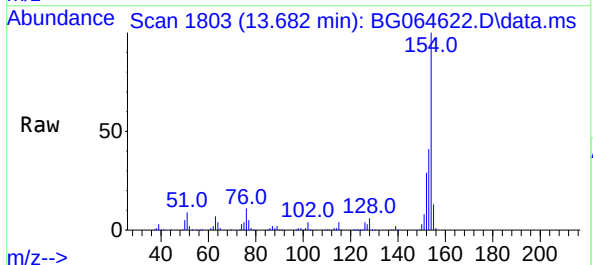
Instrument :
BNA_G
ClientSampleId :
PB170215BS

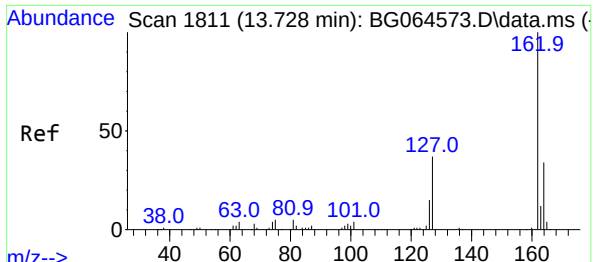
Tgt Ion:172 Resp: 539175
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.4 19.1 28.7



#46
1,1'-Biphenyl
Concen: 46.801 ng
RT: 13.682 min Scan# 1803
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:154 Resp: 341429
Ion Ratio Lower Upper
154 100
153 41.1 22.4 62.4
76 11.4 0.0 33.5

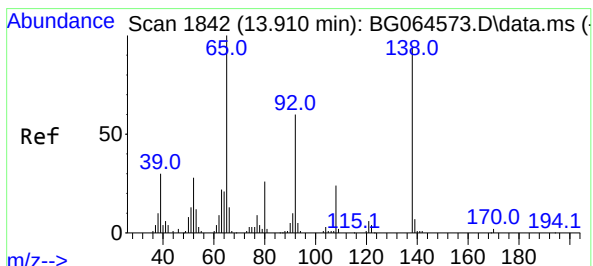
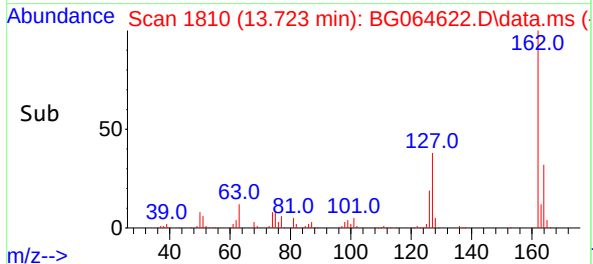
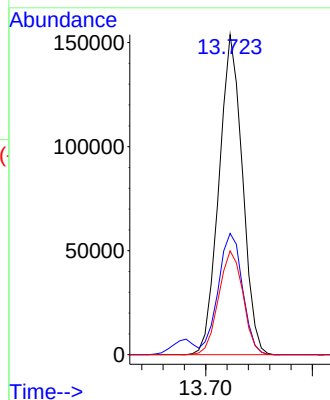
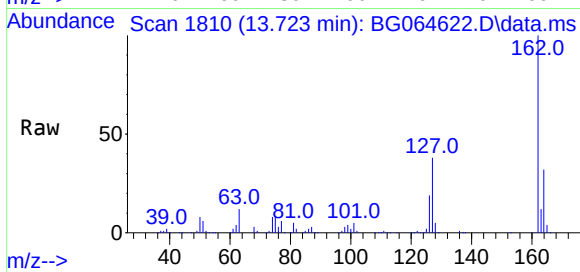




#47
2-Chloronaphthalene
Concen: 42.637 ng
RT: 13.723 min Scan# 1811
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

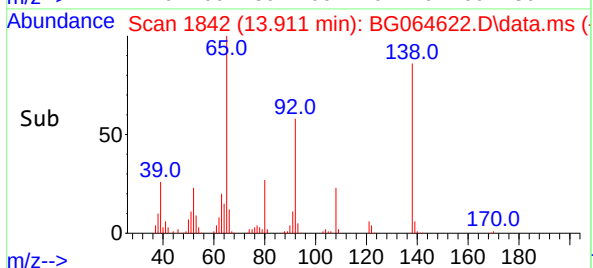
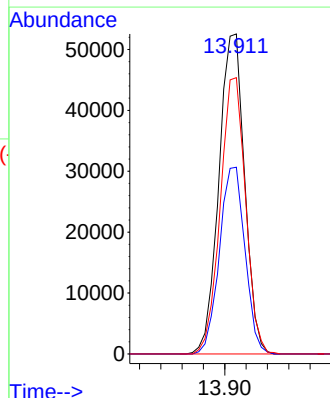
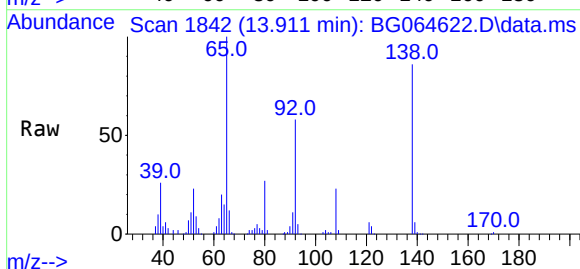
Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:162 Resp: 234788
Ion Ratio Lower Upper
162 100
127 37.9 32.2 48.2
164 32.4 27.5 41.3

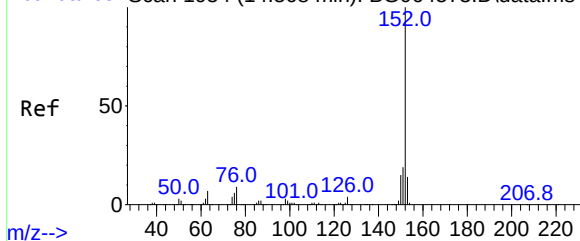


#48
2-Nitroaniline
Concen: 47.555 ng
RT: 13.911 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 65 Resp: 87853
Ion Ratio Lower Upper
65 100
92 58.4 48.3 72.5
138 86.3 74.9 112.3



Abundance Scan 1954 (14.568 min): BG064573.D\data.ms (



#49

Acenaphthylene

Concen: 49.562 ng

RT: 14.563 min Scan# 1954

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

Tgt Ion:152 Resp: 430487

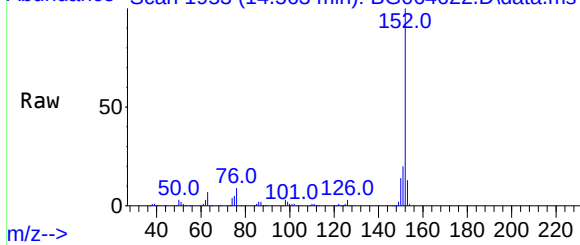
Ion Ratio Lower Upper

152 100

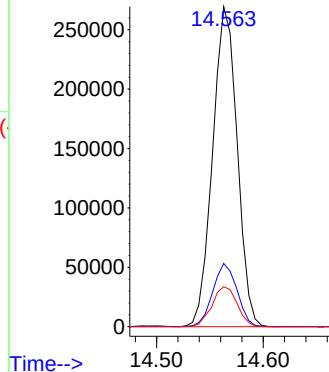
151 19.7 15.4 23.2

153 12.5 11.0 16.4

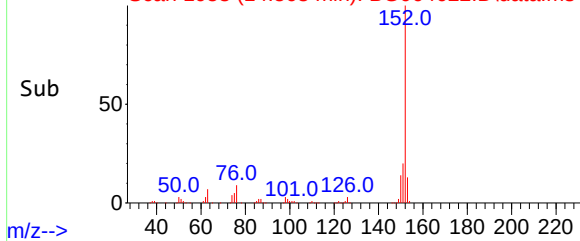
Abundance Scan 1953 (14.563 min): BG064622.D\data.ms



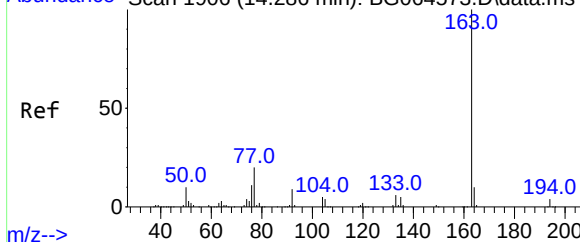
Abundance



Abundance Scan 1953 (14.563 min): BG064622.D\data.ms (



Abundance Scan 1906 (14.286 min): BG064573.D\data.ms (



#50

Dimethylphthalate

Concen: 44.275 ng

RT: 14.287 min Scan# 1906

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion:163 Resp: 347656

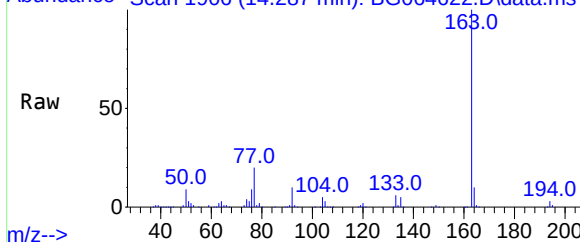
Ion Ratio Lower Upper

163 100

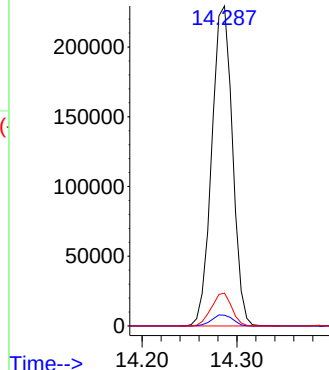
194 3.4 2.8 4.2

164 10.2 7.7 11.5

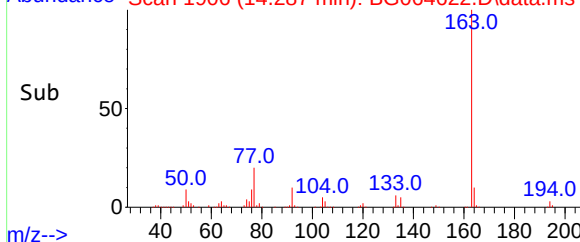
Abundance Scan 1906 (14.287 min): BG064622.D\data.ms

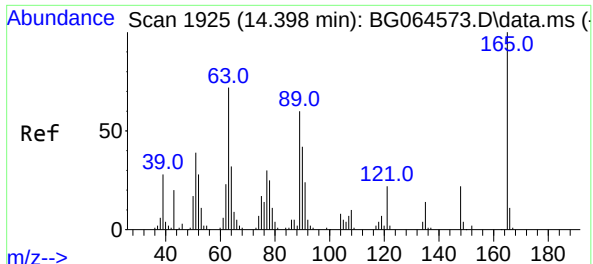


Abundance



Abundance Scan 1906 (14.287 min): BG064622.D\data.ms (





#51

2,6-Dinitrotoluene

Concen: 50.188 ng

RT: 14.398 min Scan# 1925

Delta R.T. -0.004 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

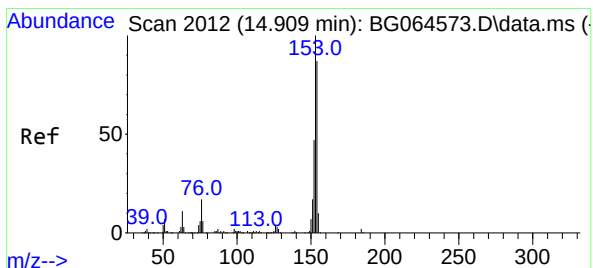
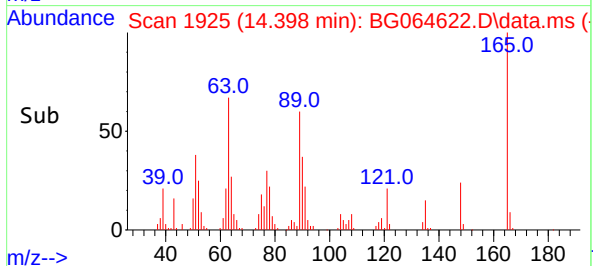
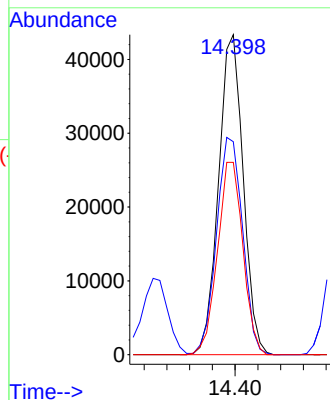
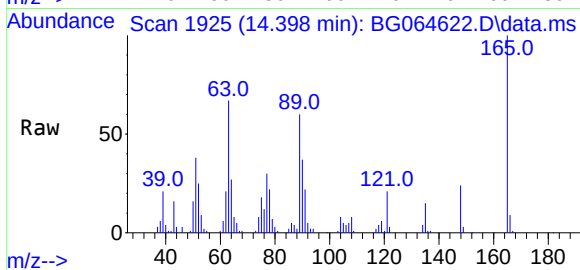
Tgt Ion:165 Resp: 65227

Ion Ratio Lower Upper

165 100

63 66.6 57.4 86.0

89 60.1 47.8 71.8



#52

Acenaphthene

Concen: 49.021 ng

RT: 14.904 min Scan# 2011

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

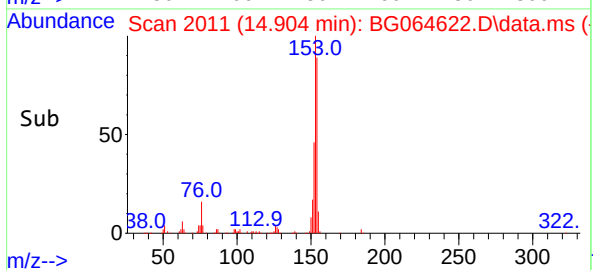
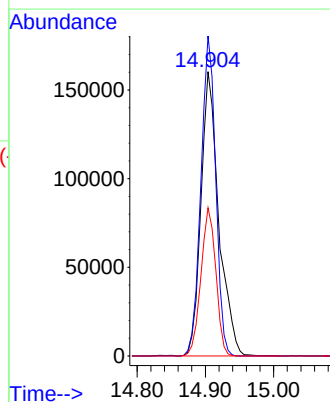
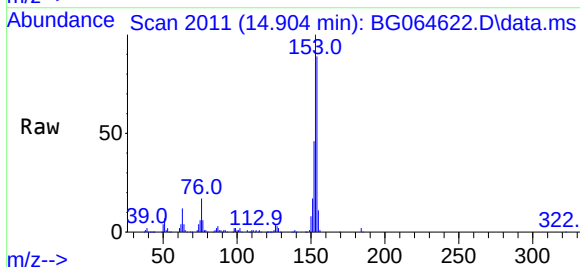
Tgt Ion:154 Resp: 290908

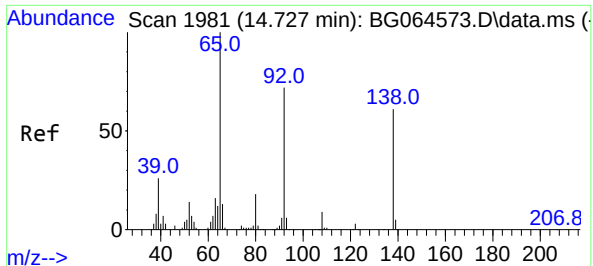
Ion Ratio Lower Upper

154 100

153 112.6 92.2 138.4

152 52.1 43.2 64.8

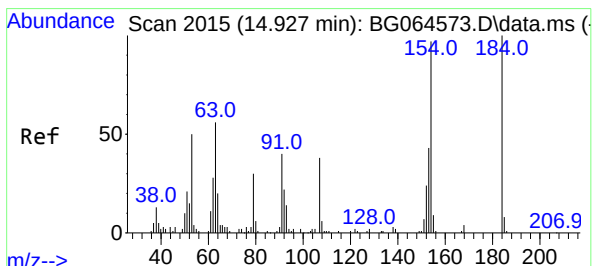
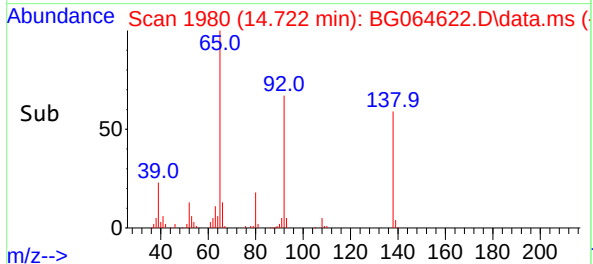
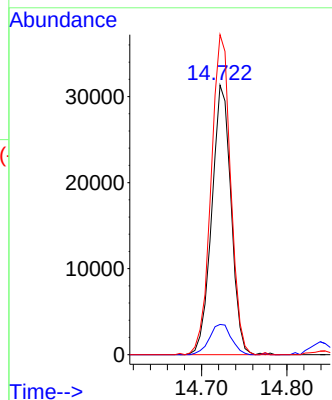
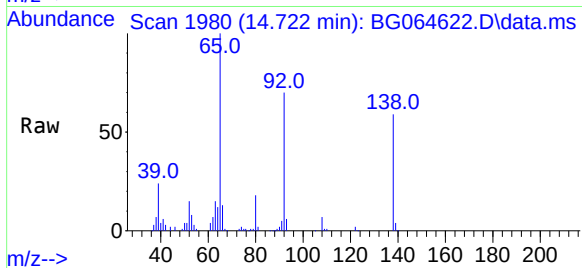




#53
3-Nitroaniline
Concen: 36.402 ng
RT: 14.722 min Scan# 1981
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

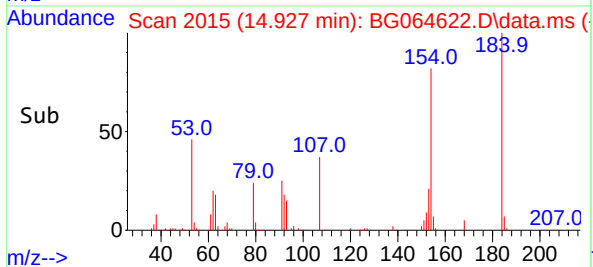
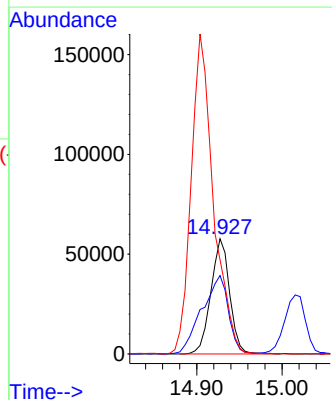
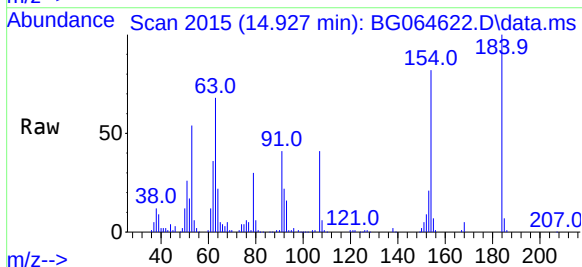
Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:138 Resp: 49122
Ion Ratio Lower Upper
138 100
108 11.2 11.4 17.0#
92 118.7 95.3 142.9

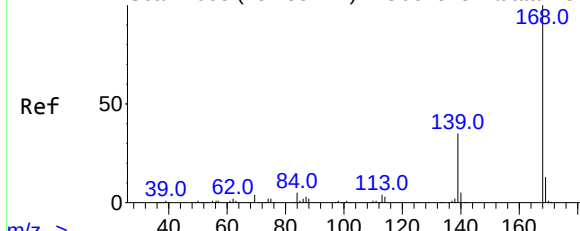


#54
2,4-Dinitrophenol
Concen: 108.602 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:184 Resp: 88044
Ion Ratio Lower Upper
184 100
63 68.2 56.6 85.0
154 81.9 158.6 238.0#



Abundance Scan 2068 (15.238 min): BG064573.D\data.ms (



#55

Dibenzenofuran

Concen: 43.618 ng

RT: 15.239 min Scan# 2068

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

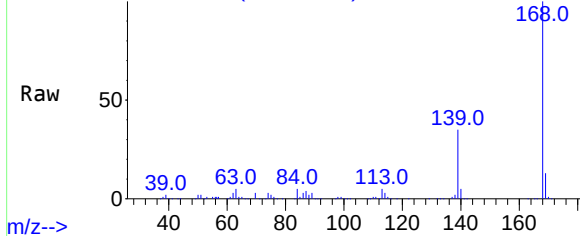
BNA_G

ClientSampleId :

PB170215BS

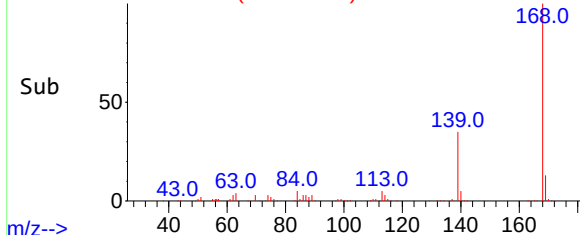
m/z-->

Abundance Scan 2068 (15.239 min): BG064622.D\data.ms



m/z-->

Abundance Scan 2068 (15.239 min): BG064622.D\data.ms (



m/z-->

Tgt Ion:168 Resp: 418469

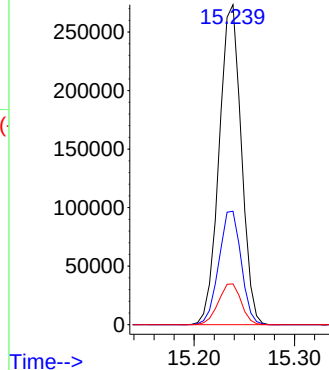
Ion Ratio Lower Upper

168 100

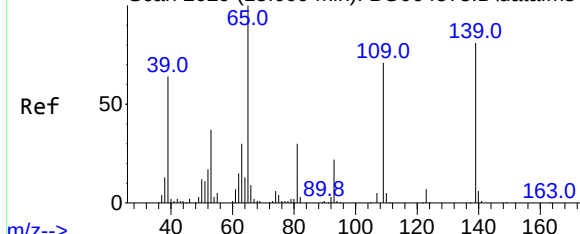
139 35.5 27.8 41.8

169 12.8 10.3 15.5

Abundance

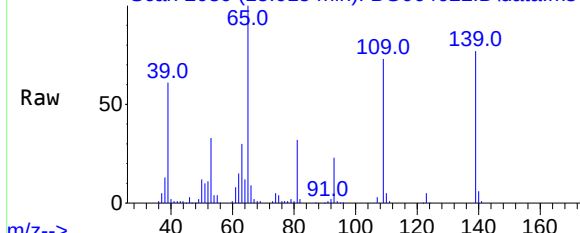


Abundance Scan 2029 (15.009 min): BG064573.D\data.ms (



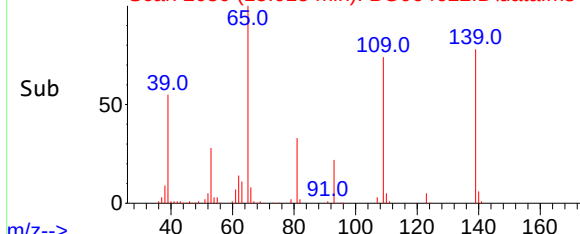
m/z-->

Abundance Scan 2030 (15.015 min): BG064622.D\data.ms



m/z-->

Abundance Scan 2030 (15.015 min): BG064622.D\data.ms (



m/z-->

#56

4-Nitrophenol

Concen: 102.115 ng

RT: 15.015 min Scan# 2030

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion:139 Resp: 127758

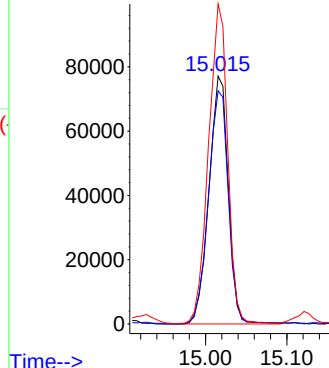
Ion Ratio Lower Upper

139 100

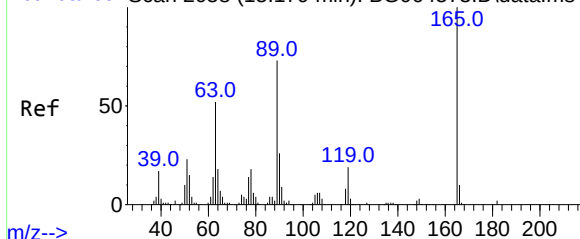
109 94.1 67.8 107.8

65 129.1 103.7 143.7

Abundance



Abundance Scan 2058 (15.179 min): BG064573.D\data.ms (

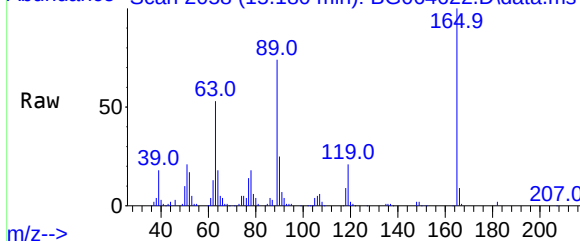


#57
2,4-Dinitrotoluene
Concen: 50.198 ng
RT: 15.180 min Scan# 2058
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

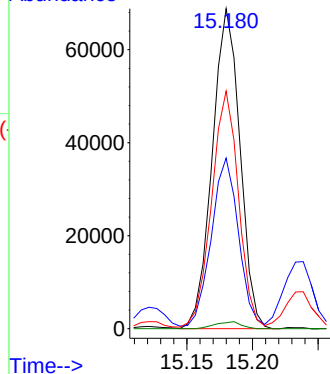
Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:165 Resp: 100857
Ion Ratio Lower Upper
165 100
63 53.3 41.8 62.8
89 74.2 58.1 87.1
182 1.8 1.4 2.0

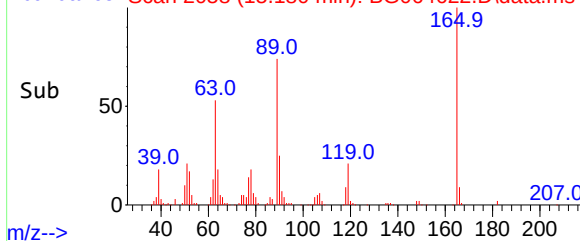
Abundance Scan 2058 (15.180 min): BG064622.D\data.ms



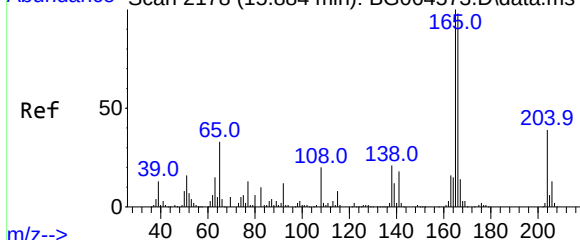
Abundance



Abundance Scan 2058 (15.180 min): BG064622.D\data.ms (



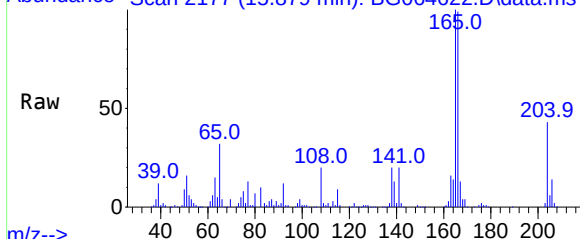
Abundance Scan 2178 (15.884 min): BG064573.D\data.ms (



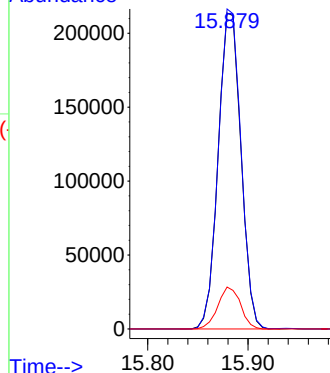
#58
Fluorene
Concen: 44.792 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:166 Resp: 335610
Ion Ratio Lower Upper
166 100
165 101.3 81.5 122.3
167 13.3 11.4 17.0

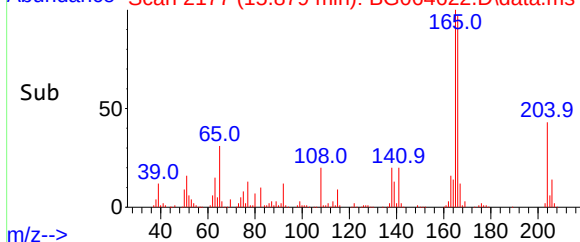
Abundance Scan 2177 (15.879 min): BG064622.D\data.ms

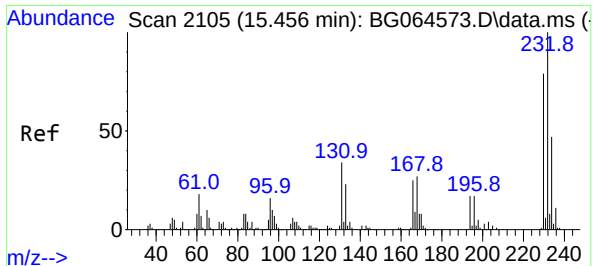


Abundance



Abundance Scan 2177 (15.879 min): BG064622.D\data.ms (





#59

2,3,4,6-Tetrachlorophenol

Concen: 52.720 ng

RT: 15.456 min Scan# 2105

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

Tgt Ion:232 Resp: 114603

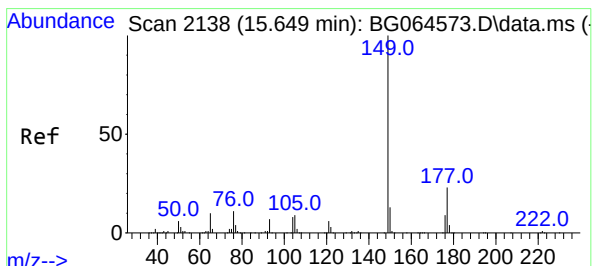
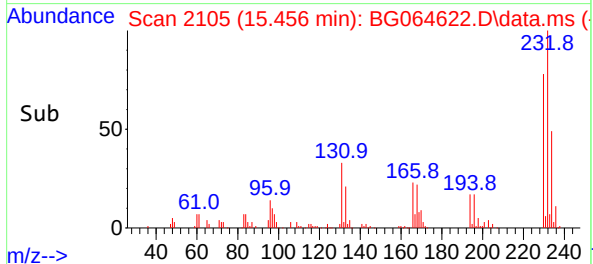
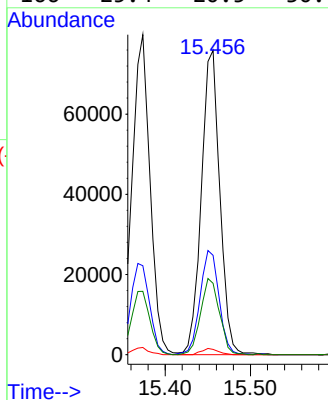
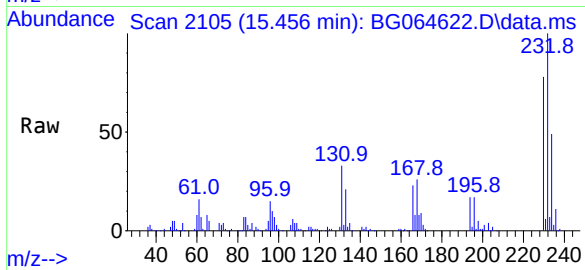
Ion Ratio Lower Upper

232 100

131 35.2 26.7 40.1

130 1.8 1.6 2.4

166 25.4 20.5 30.7



#60

Diethylphthalate

Concen: 44.576 ng

RT: 15.644 min Scan# 2137

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

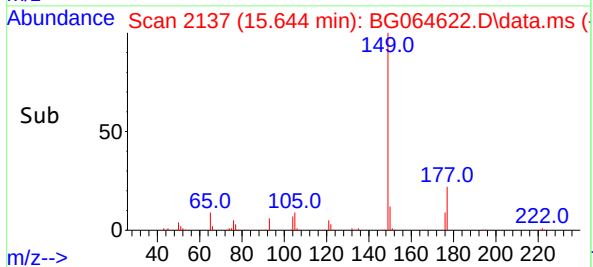
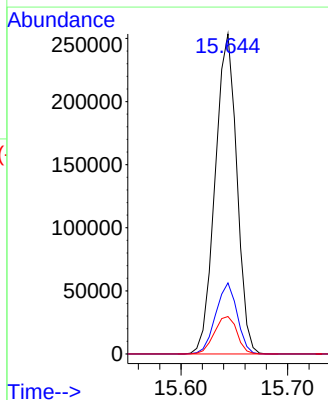
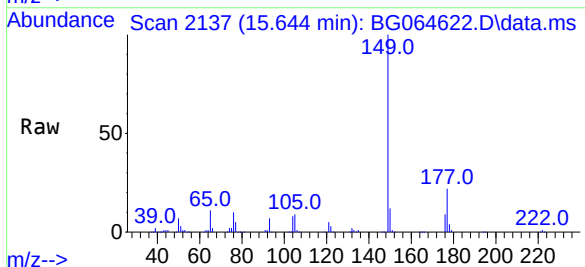
Tgt Ion:149 Resp: 357386

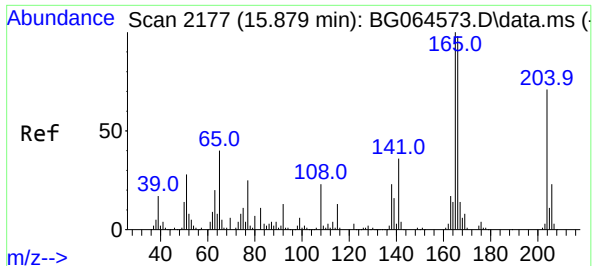
Ion Ratio Lower Upper

149 100

177 22.2 18.0 27.0

150 11.7 10.2 15.4

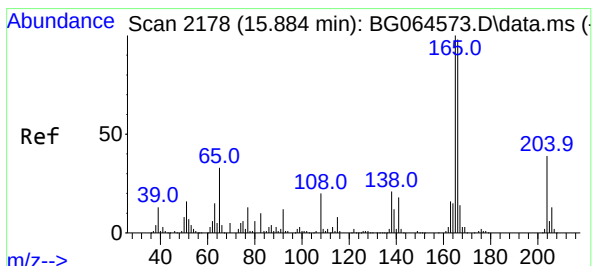
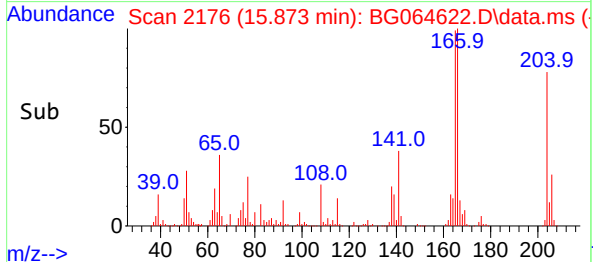
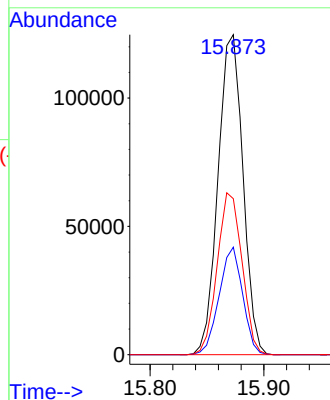
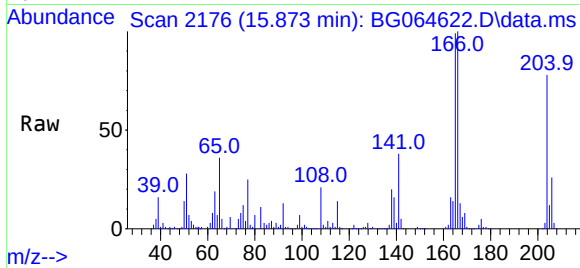




#61
4-Chlorophenyl-phenylether
Concen: 45.190 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

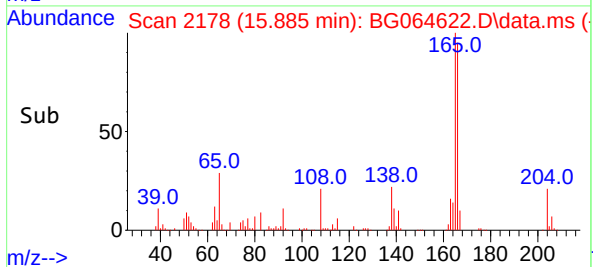
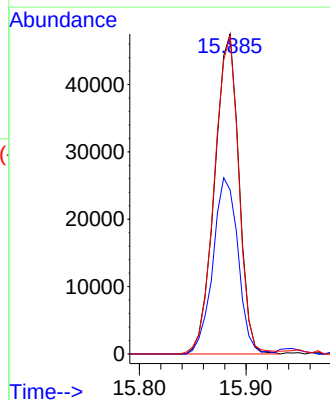
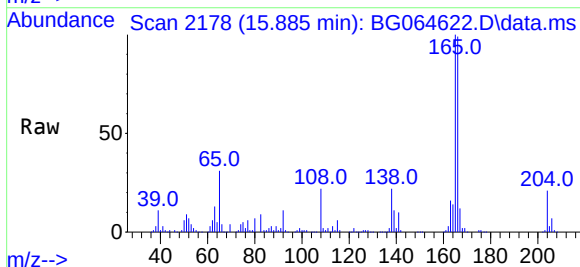
Instrument :
BNA_G
ClientSampleId :
PB170215BS

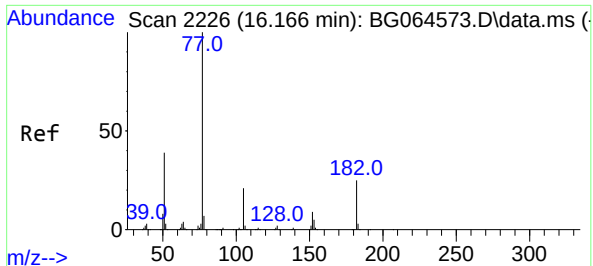
Tgt Ion:204 Resp: 190016
Ion Ratio Lower Upper
204 100
206 33.6 25.6 38.4
141 48.8 40.6 60.8



#62
4-Nitroaniline
Concen: 49.873 ng
RT: 15.885 min Scan# 2178
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:138 Resp: 74872
Ion Ratio Lower Upper
138 100
92 51.2 36.1 76.1
108 99.4 75.6 115.6

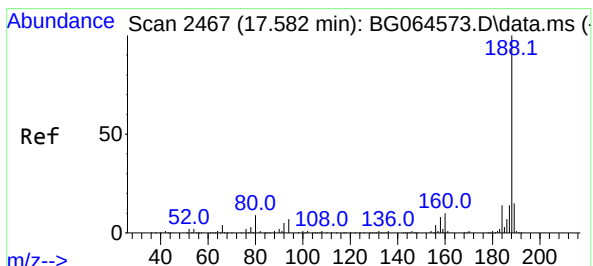
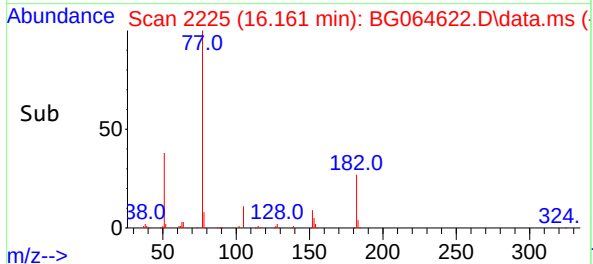
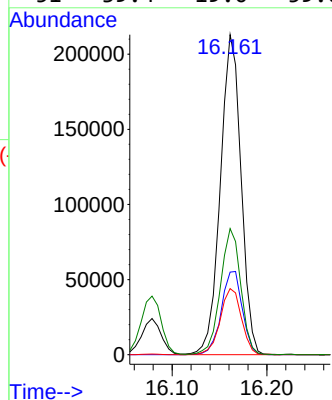
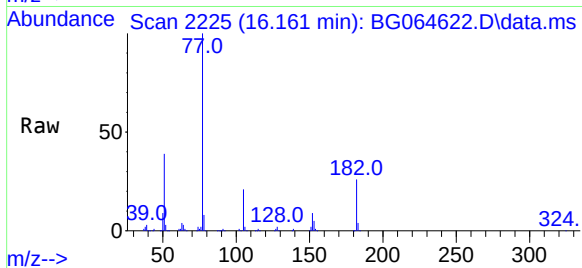




#63
Azobenzene
Concen: 44.003 ng
RT: 16.161 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

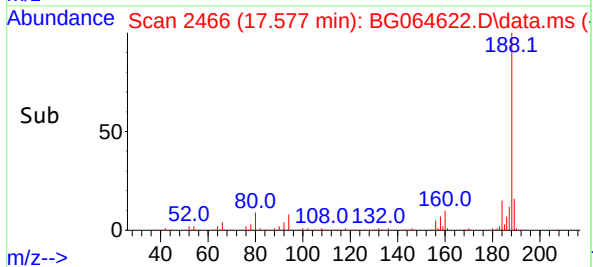
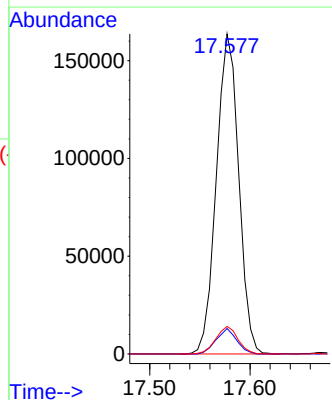
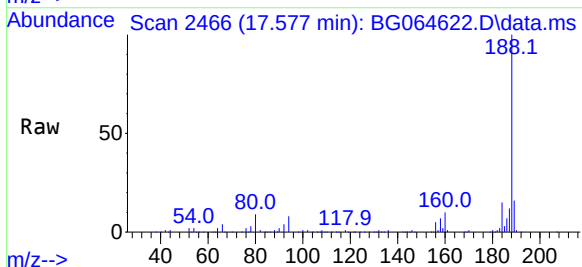
Instrument :
BNA_G
ClientSampleId :
PB170215BS

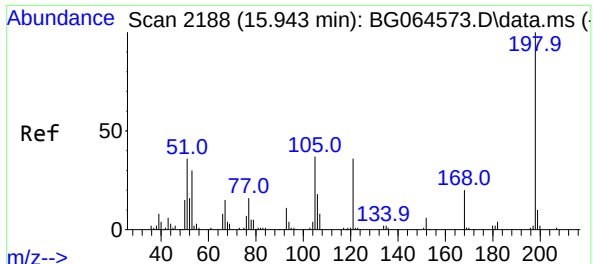
Tgt Ion: 77	Resp: 323701
Ion Ratio	Lower Upper
77 100	
182 25.8	4.9 44.9
105 20.7	1.3 41.3
51 39.4	19.0 59.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 188	Resp: 252758
Ion Ratio	Lower Upper
188 100	
94 7.9	5.7 8.5
80 8.6	6.8 10.2

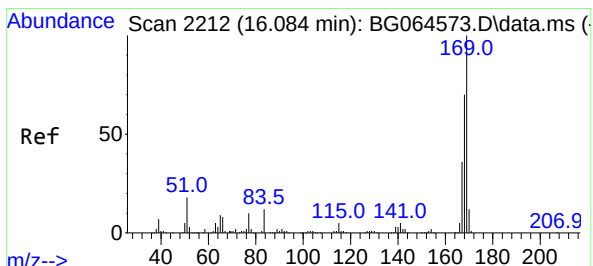
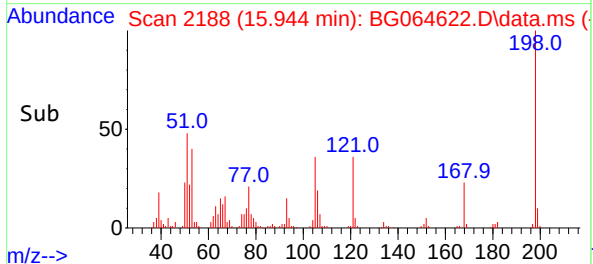
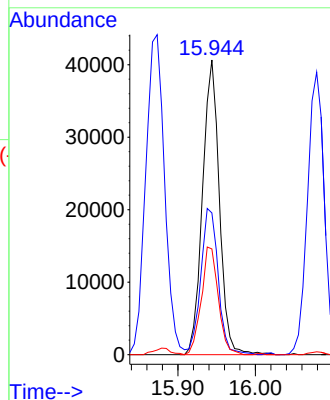
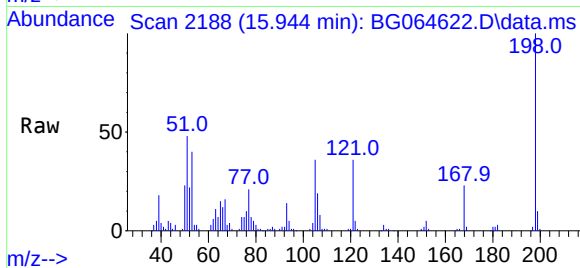




#65
4,6-Dinitro-2-methylphenol
Concen: 54.580 ng
RT: 15.944 min Scan# 2188
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

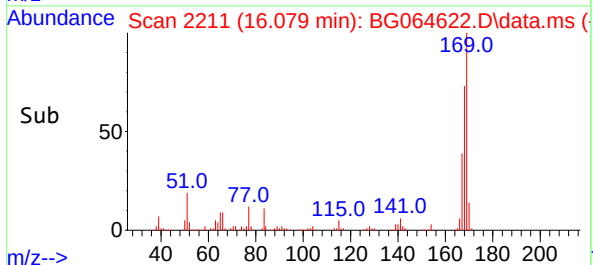
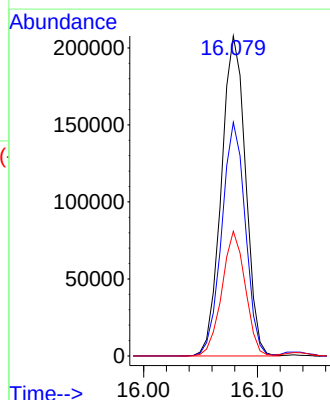
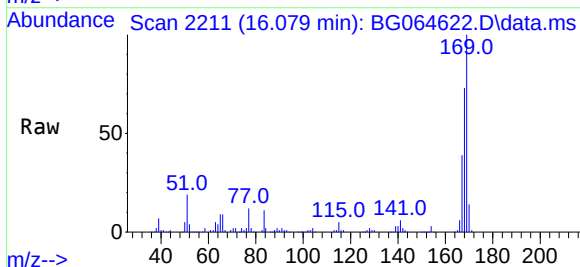
Instrument :
BNA_G
ClientSampleId :
PB170215BS

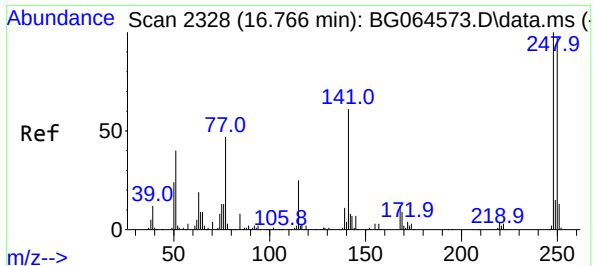
Tgt Ion:198 Resp: 61637
Ion Ratio Lower Upper
198 100
51 48.1 24.7 64.7
105 35.9 18.0 58.0



#66
n-Nitrosodiphenylamine
Concen: 45.018 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:169 Resp: 307367
Ion Ratio Lower Upper
169 100
168 73.0 56.3 84.5
167 39.0 29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 44.682 ng

RT: 16.766 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

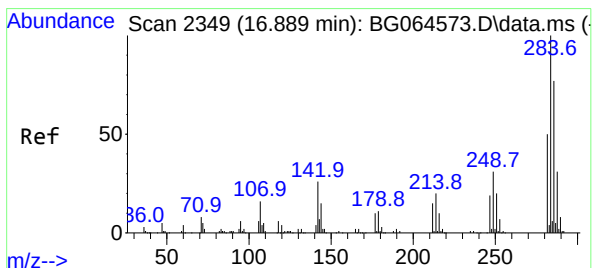
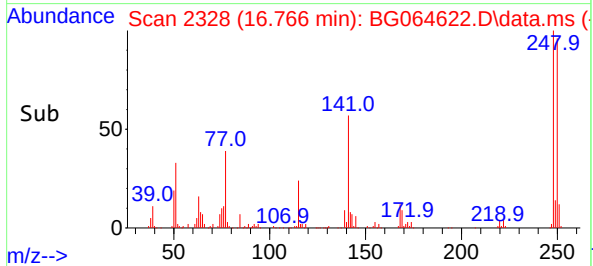
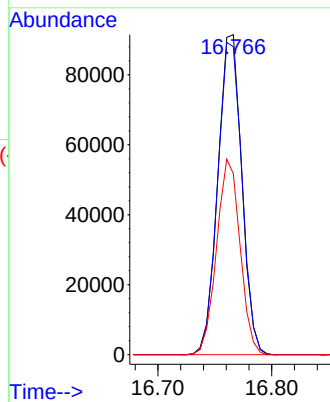
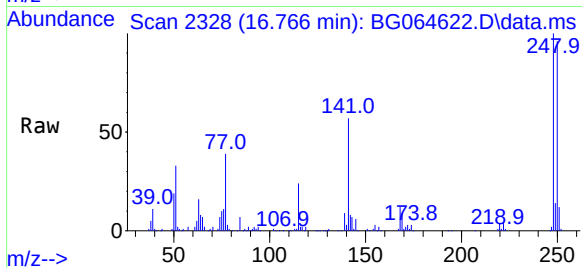
Tgt Ion:248 Resp: 133834

Ion Ratio Lower Upper

248 100

250 96.3 77.7 116.5

141 56.6 48.6 72.8



#68

Hexachlorobenzene

Concen: 45.618 ng

RT: 16.884 min Scan# 2348

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

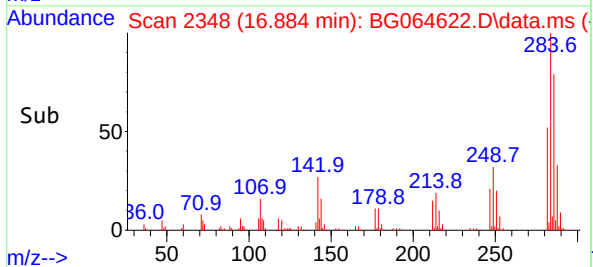
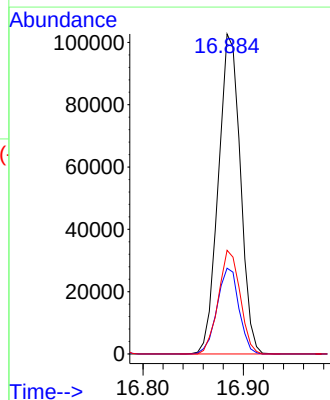
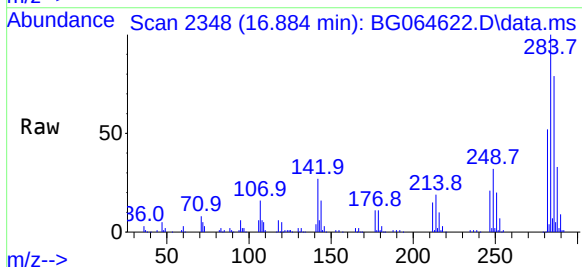
Tgt Ion:284 Resp: 155883

Ion Ratio Lower Upper

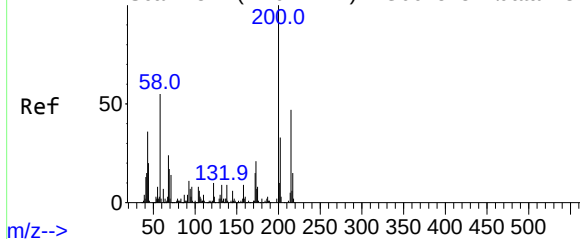
284 100

142 26.8 21.0 31.6

249 34.6 24.9 37.3



Abundance Scan 2372 (17.024 min): BG064573.D\data.ms (



#69

Atrazine

Concen: 47.830 ng

RT: 17.019 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

Tgt Ion:200 Resp: 140535

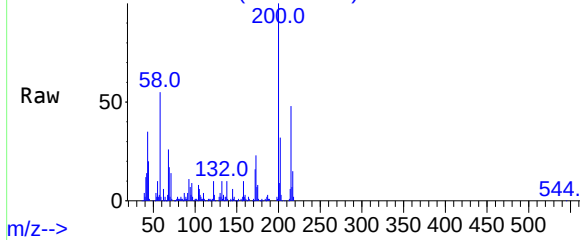
Ion Ratio Lower Upper

200 100

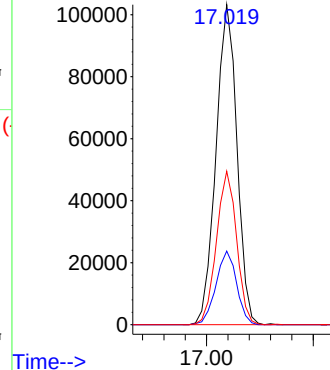
173 23.0 0.9 40.9

215 47.9 27.0 67.0

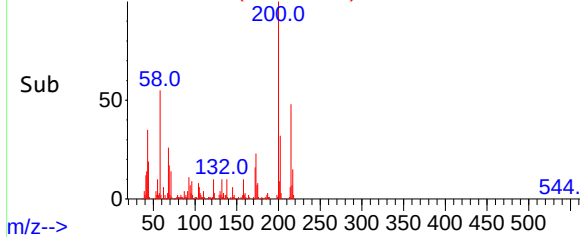
Abundance Scan 2371 (17.019 min): BG064622.D\data.ms



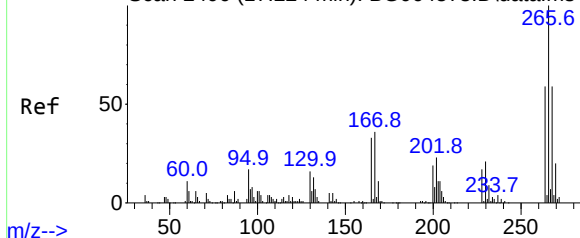
Abundance



Abundance Scan 2371 (17.019 min): BG064622.D\data.ms (



Abundance Scan 2406 (17.224 min): BG064573.D\data.ms (



#70

Pentachlorophenol

Concen: 100.429 ng

RT: 17.219 min Scan# 2405

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion:266 Resp: 214000

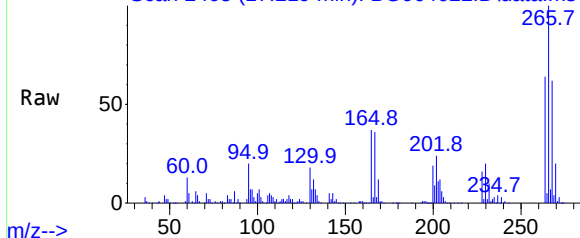
Ion Ratio Lower Upper

266 100

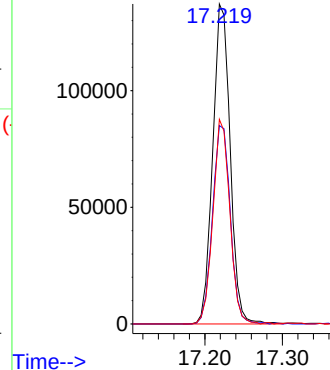
268 66.3 50.3 75.5

264 63.9 47.3 70.9

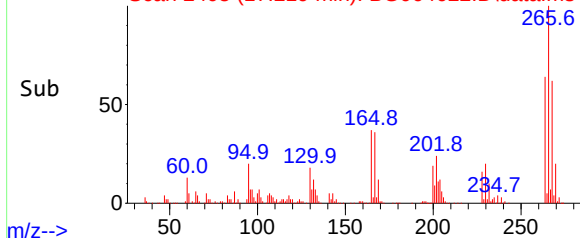
Abundance Scan 2405 (17.219 min): BG064622.D\data.ms

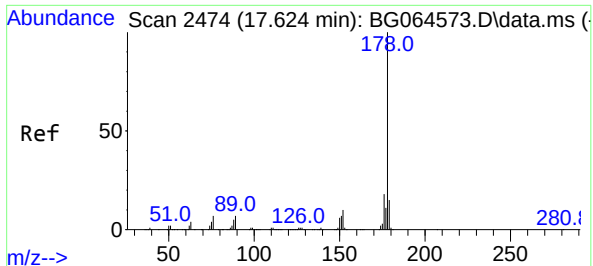


Abundance



Abundance Scan 2405 (17.219 min): BG064622.D\data.ms (

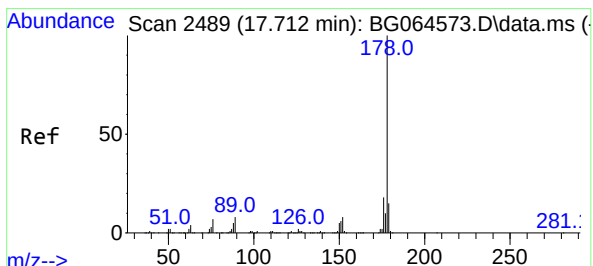
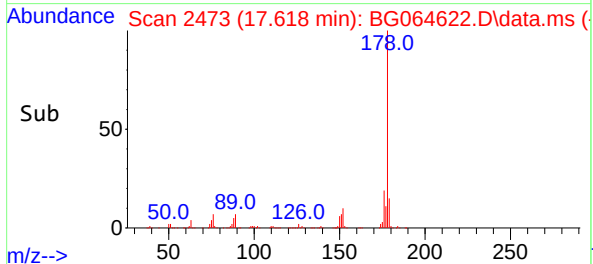
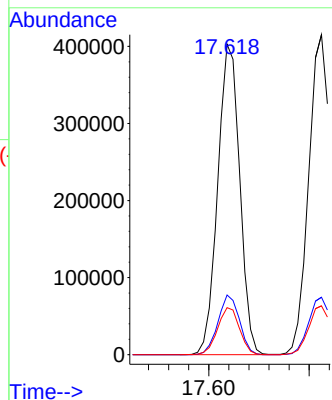
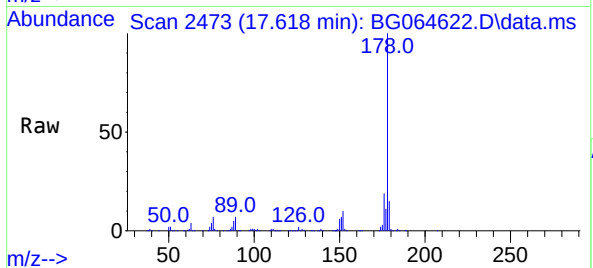




#71
Phenanthrene
Concen: 44.297 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

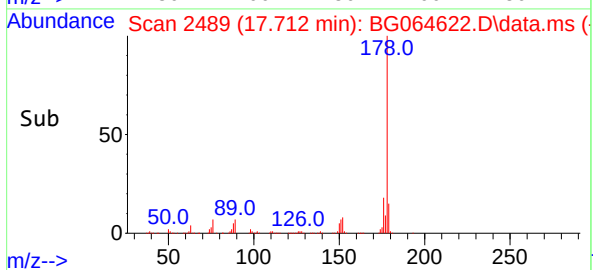
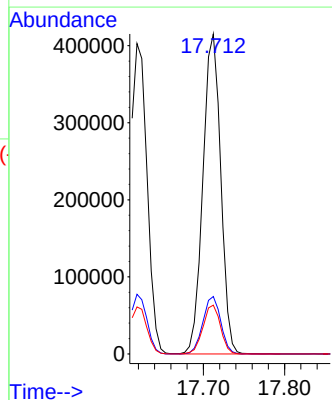
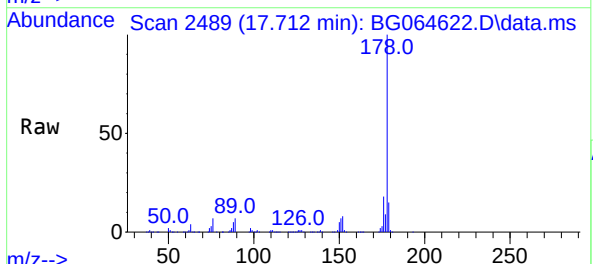
Instrument :
BNA_G
ClientSampleId :
PB170215BS

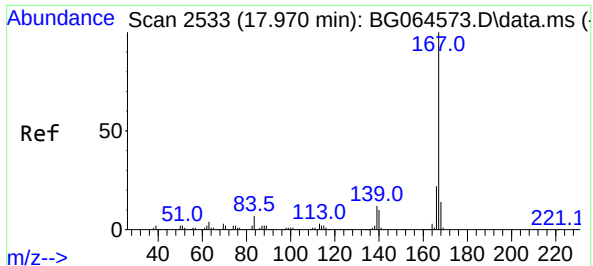
Tgt Ion:178 Resp: 612283
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.2 12.2 18.4



#72
Anthracene
Concen: 44.900 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:178 Resp: 631323
Ion Ratio Lower Upper
178 100
176 18.0 14.4 21.6
179 15.2 12.4 18.6

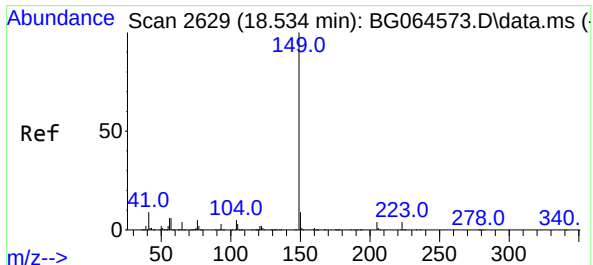
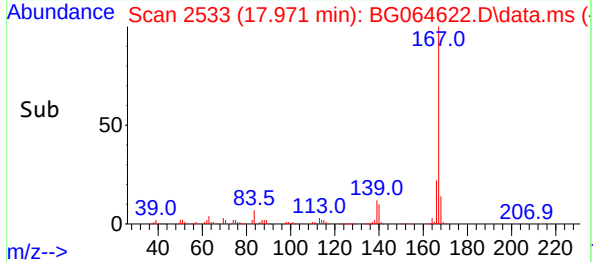
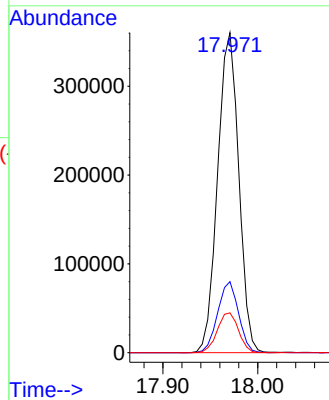
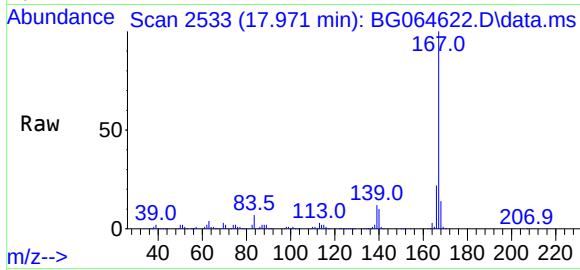




#73
Carbazole
Concen: 45.052 ng
RT: 17.971 min Scan# 2533
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

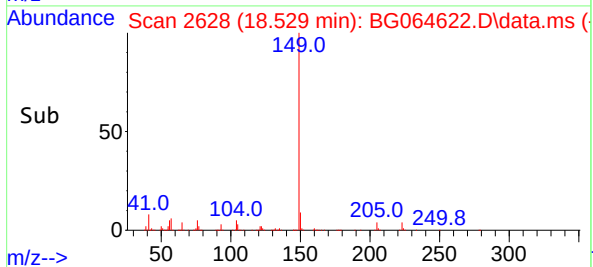
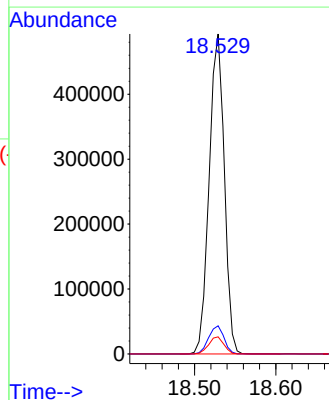
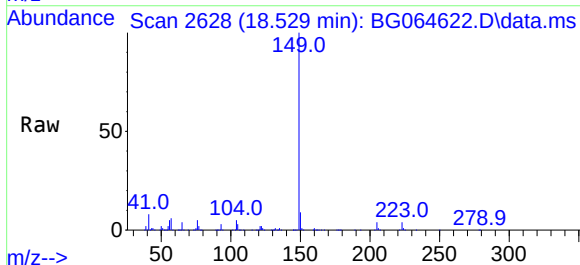
Instrument :
BNA_G
ClientSampleId :
PB170215BS

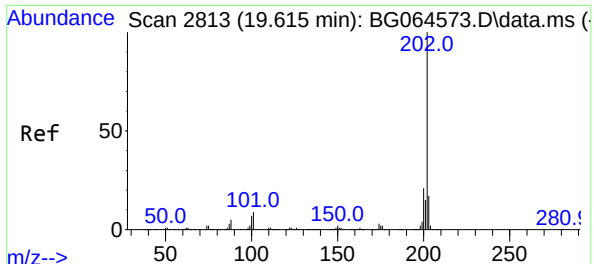
Tgt Ion:167 Resp: 558592
Ion Ratio Lower Upper
167 100
166 22.2 17.9 26.9
139 12.4 9.7 14.5



#74
Di-n-butylphthalate
Concen: 44.400 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:149 Resp: 636589
Ion Ratio Lower Upper
149 100
150 8.8 7.0 10.6
104 5.4 4.1 6.1



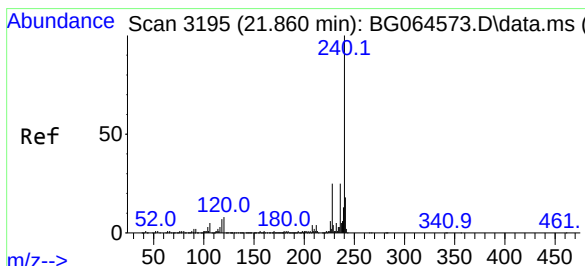
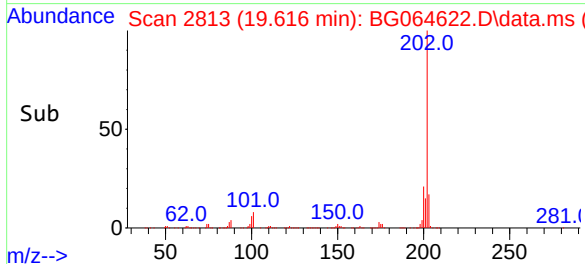
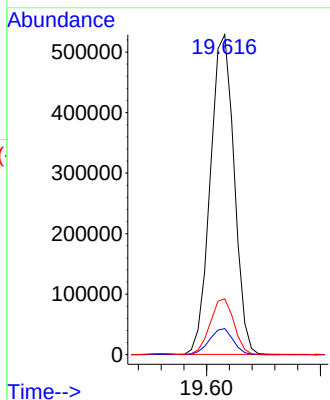
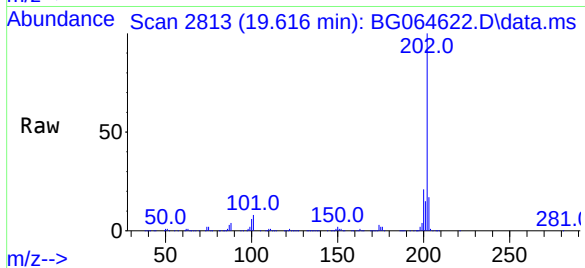


#75
Fluoranthene
Concen: 44.393 ng
RT: 19.616 min Scan# 2813
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:202 Resp: 768700

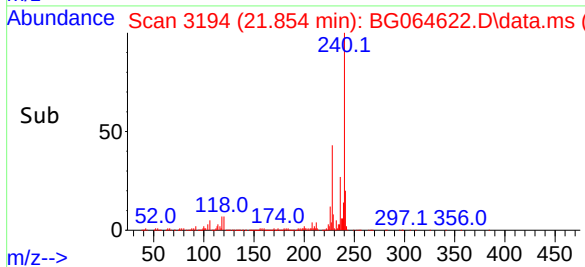
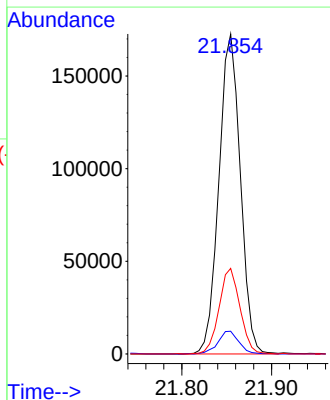
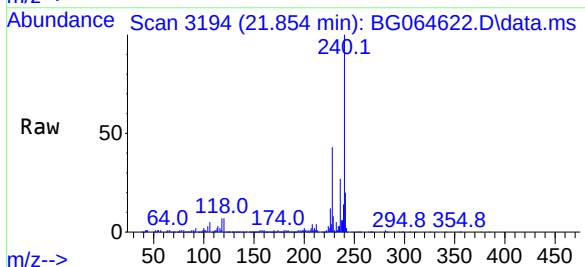
Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	28.7
203	17.5	0.0	37.0

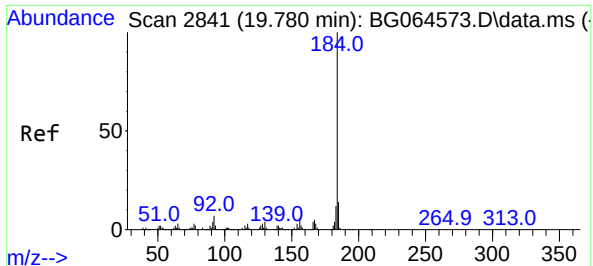


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:240 Resp: 286271

Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.5	9.7
236	26.8	20.2	30.2

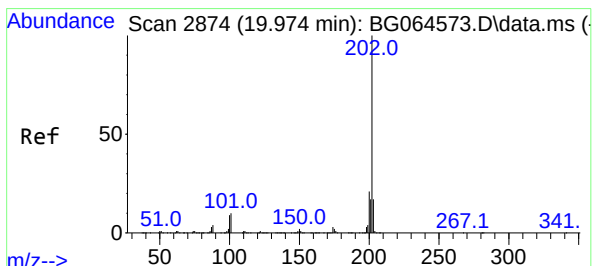
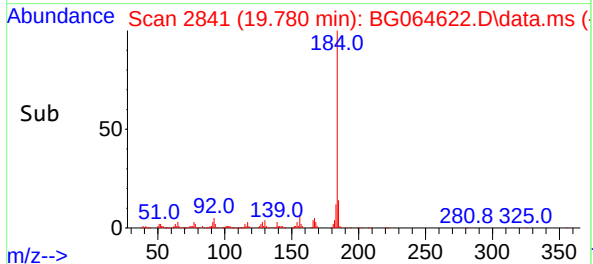
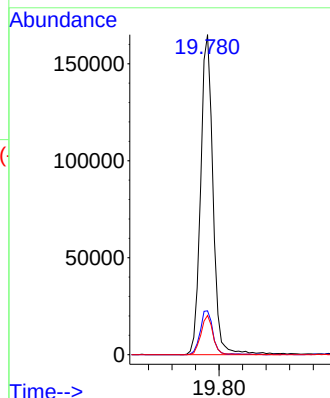
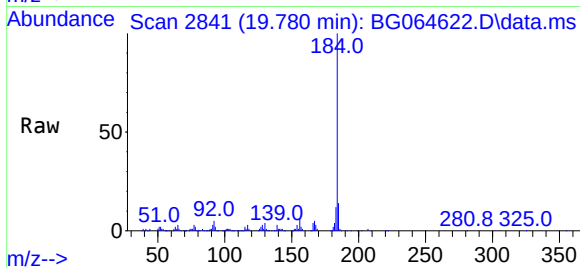




#77
Benzidine
Concen: 37.491 ng
RT: 19.780 min Scan# 2841
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

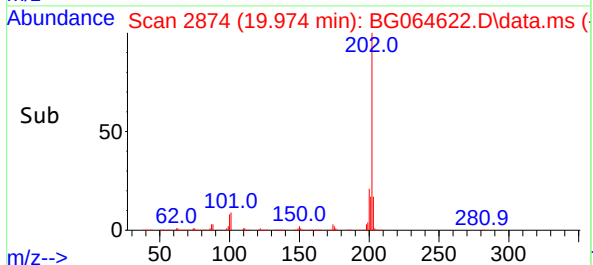
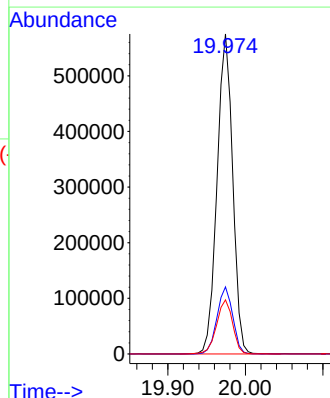
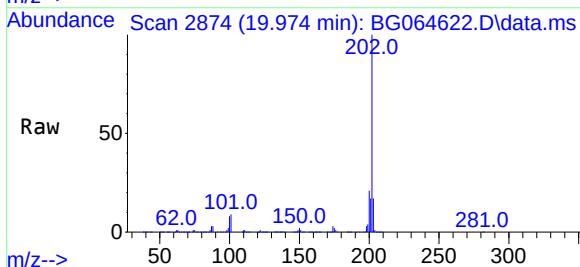
Instrument :
BNA_G
ClientSampleId :
PB170215BS

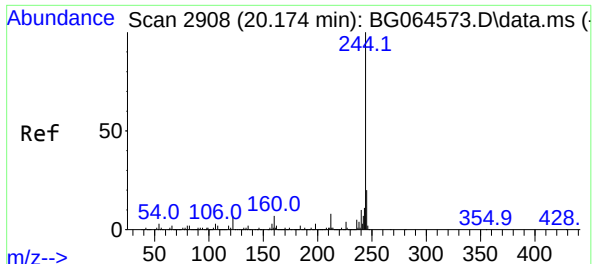
Tgt Ion:184 Resp: 240455
Ion Ratio Lower Upper
184 100
185 13.7 11.4 17.2
183 12.2 9.4 14.2



#78
Pyrene
Concen: 43.035 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:202 Resp: 804895
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 16.9 13.8 20.6





#79

Terphenyl-d14

Concen: 83.281 ng

RT: 20.168 min Scan# 2908

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

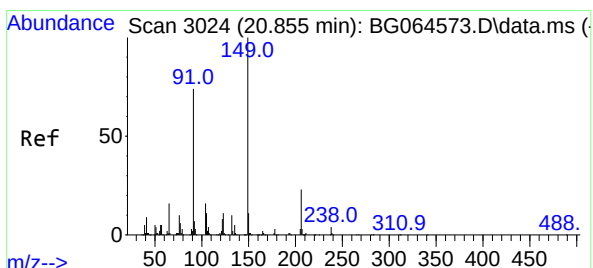
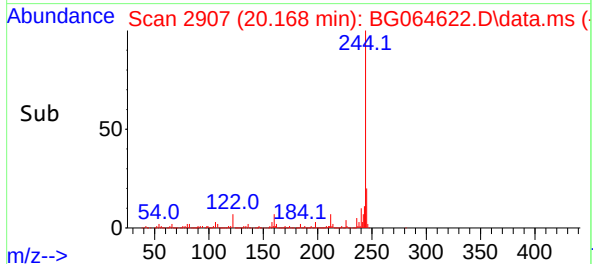
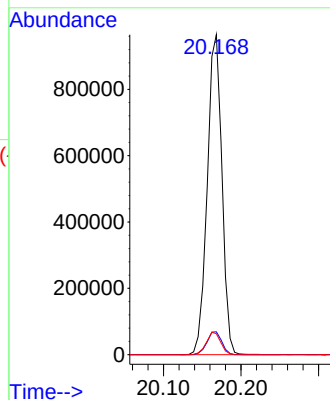
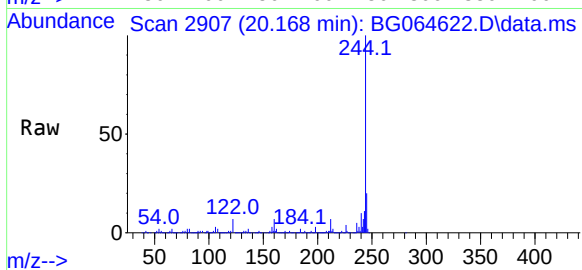
Tgt Ion:244 Resp: 1263324

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.5 5.6 8.4



#80

Butylbenzylphthalate

Concen: 49.405 ng

RT: 20.850 min Scan# 3023

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

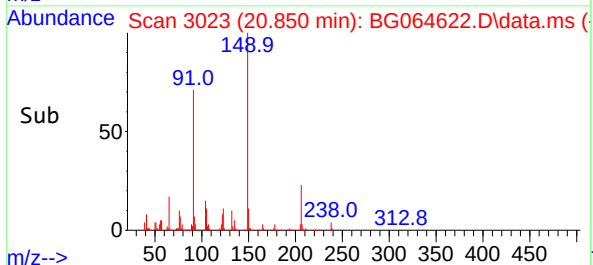
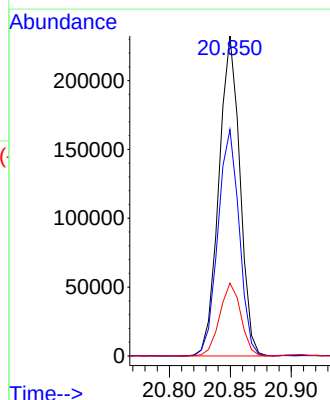
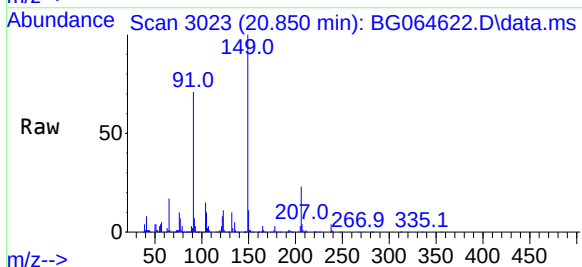
Tgt Ion:149 Resp: 279278

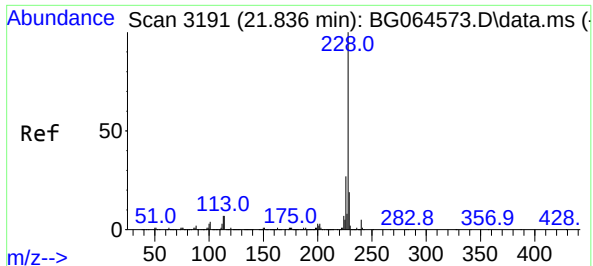
Ion Ratio Lower Upper

149 100

91 70.8 59.2 88.8

206 22.7 18.1 27.1



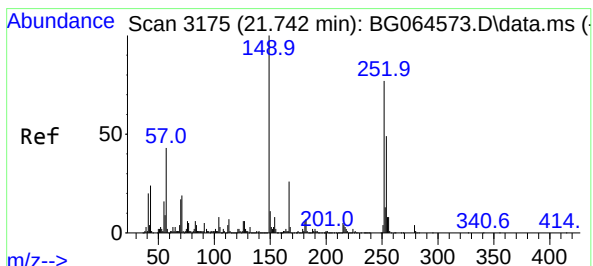
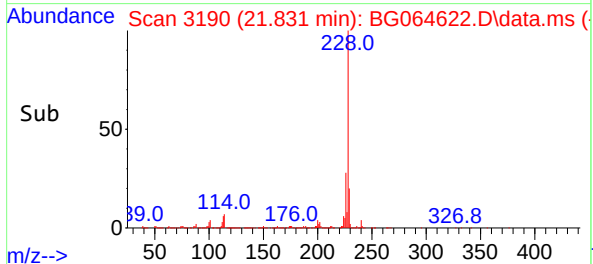
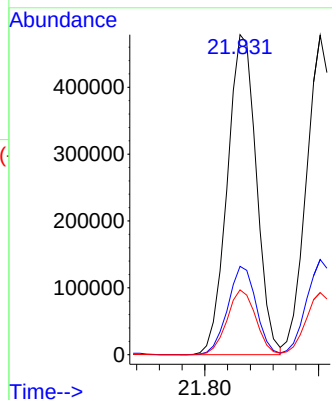
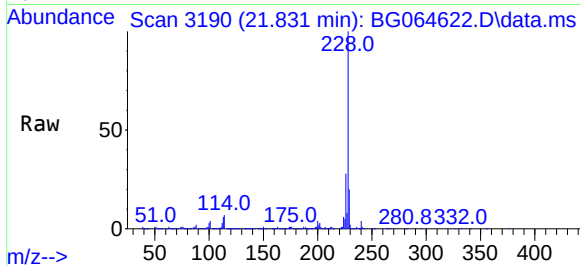


#81
Benzo(a)anthracene
Concen: 44.811 ng
RT: 21.831 min Scan# 3191
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:228 Resp: 850571

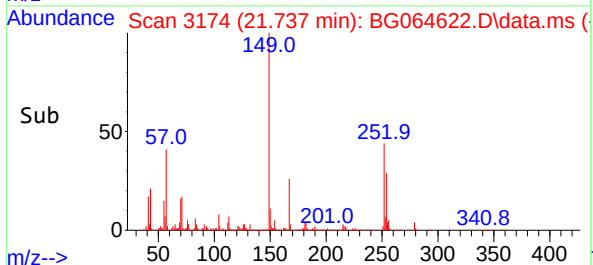
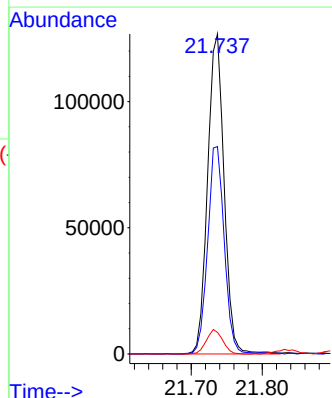
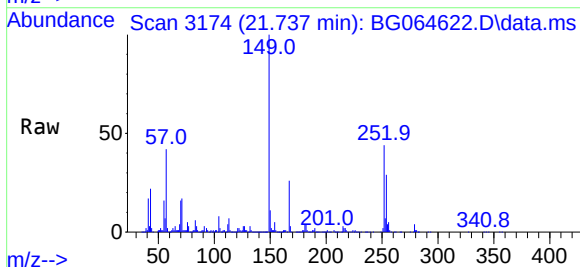
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.9	32.9
229	20.3	15.6	23.4

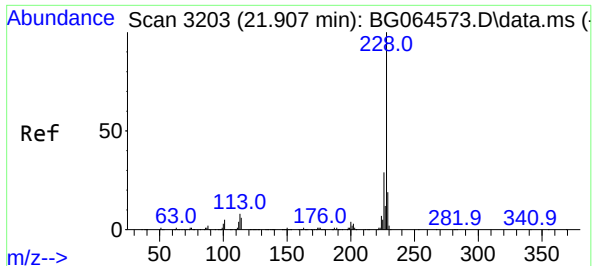


#82
3,3'-Dichlorobenzidine
Concen: 32.347 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:252 Resp: 205029

Ion	Ratio	Lower	Upper
252	100		
254	64.8	50.8	76.2
126	6.8	5.8	8.6



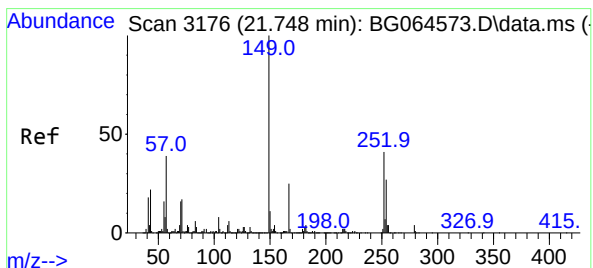
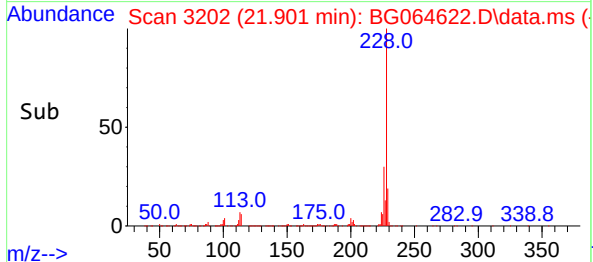
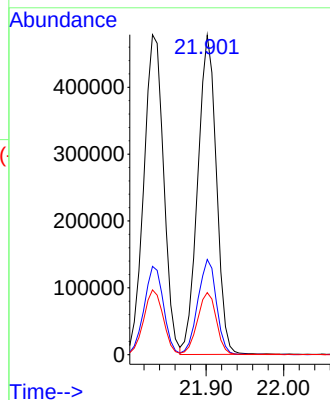
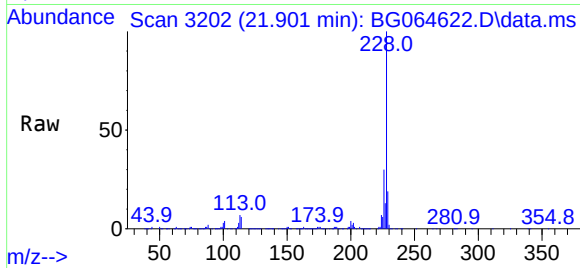


#83
Chrysene
Concen: 44.240 ng
RT: 21.901 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:228 Resp: 799015

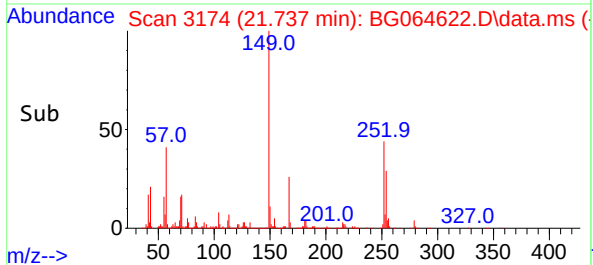
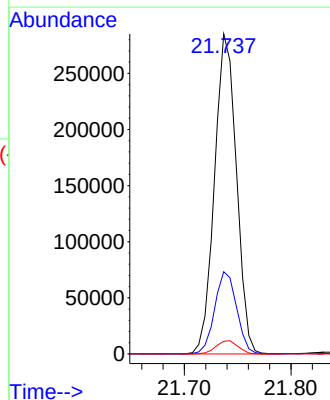
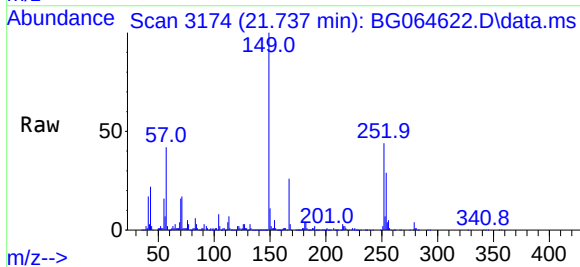
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.3	34.9
229	19.5	15.2	22.8

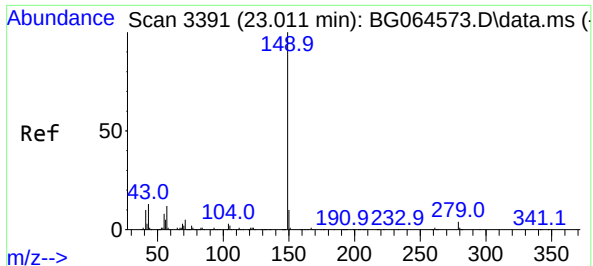


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.204 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:149 Resp: 407169

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.0	30.0
279	4.0	3.1	4.7

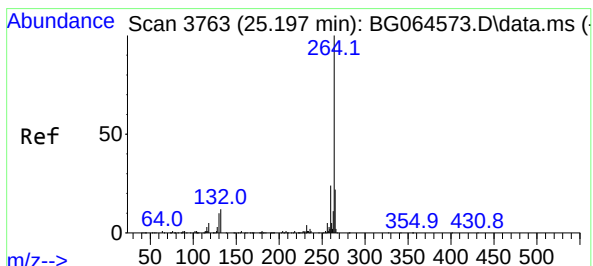
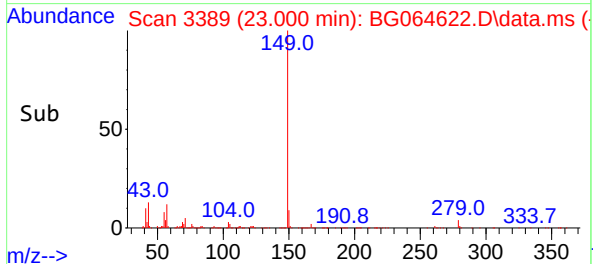
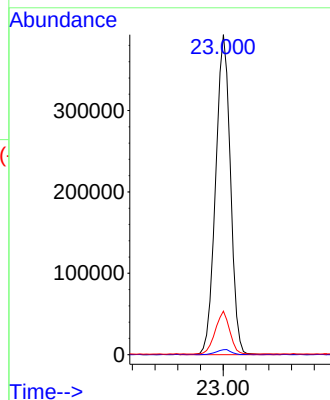
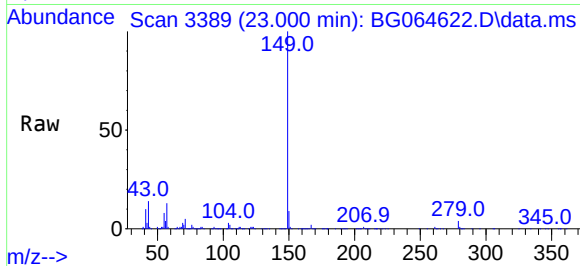




#85
Di-n-octyl phthalate
Concen: 49.802 ng
RT: 23.000 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

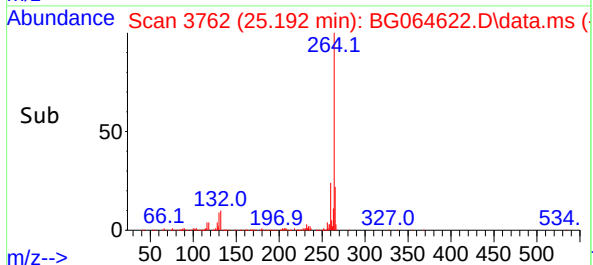
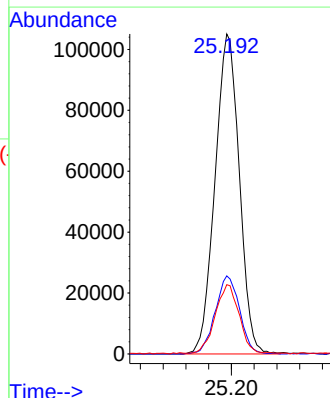
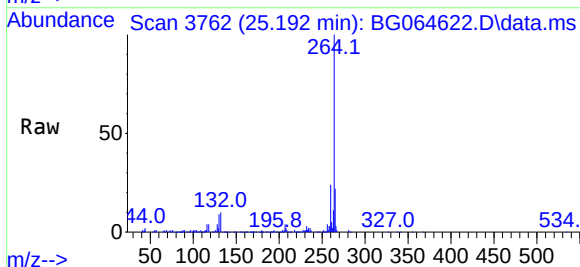
Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.1	10.8	16.2

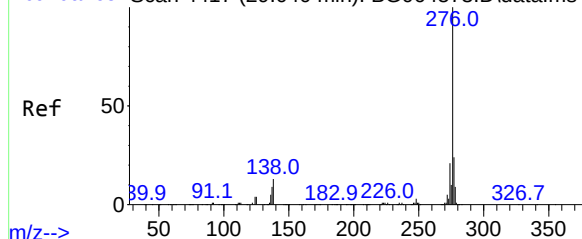


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.192 min Scan# 3762
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	21.6	17.6	26.4



Abundance Scan 4417 (29.040 min): BG064573.D\data.ms (



#87

Indeno(1,2,3-cd)pyrene

Concen: 45.114 ng

RT: 29.034 min Scan# 4417

Delta R.T. -0.027 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

Tgt Ion:276 Resp: 1033332

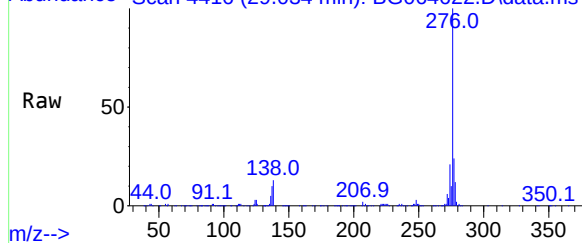
Ion Ratio Lower Upper

276 100

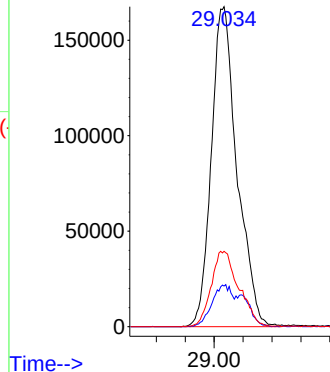
138 10.3 10.8 16.2#

277 25.3 20.1 30.1

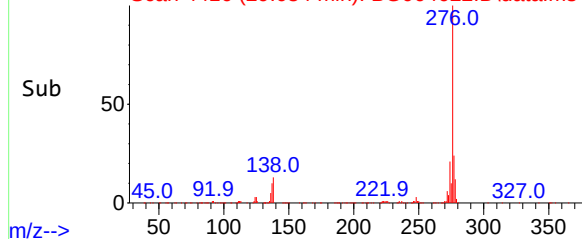
Abundance Scan 4416 (29.034 min): BG064622.D\data.ms



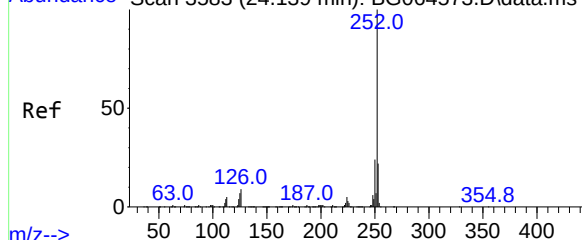
Abundance



Abundance Scan 4416 (29.034 min): BG064622.D\data.ms (



Abundance Scan 3583 (24.139 min): BG064573.D\data.ms (



#88

Benzo(b)fluoranthene

Concen: 45.715 ng

RT: 24.134 min Scan# 3582

Delta R.T. -0.009 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Tgt Ion:252 Resp: 872834

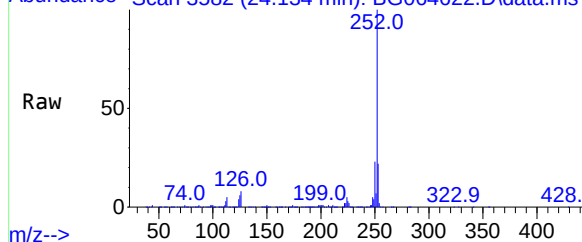
Ion Ratio Lower Upper

252 100

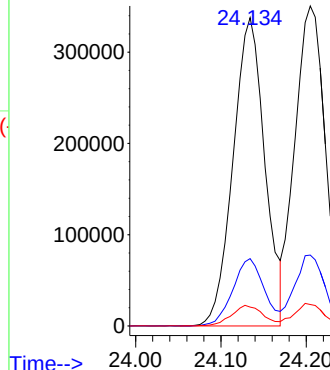
253 21.8 17.8 26.8

125 6.2 5.6 8.4

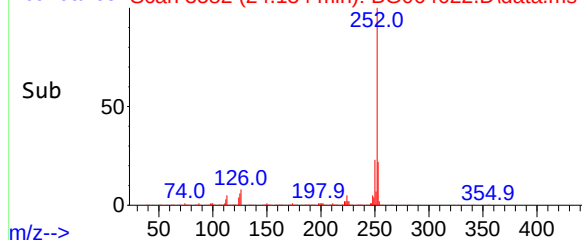
Abundance Scan 3582 (24.134 min): BG064622.D\data.ms

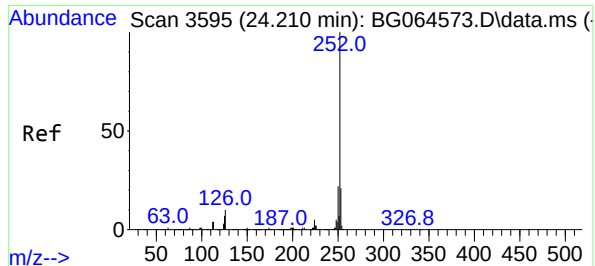


Abundance



Abundance Scan 3582 (24.134 min): BG064622.D\data.ms (





#89

Benzo(k)fluoranthene

Concen: 45.401 ng

RT: 24.205 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

Instrument :

BNA_G

ClientSampleId :

PB170215BS

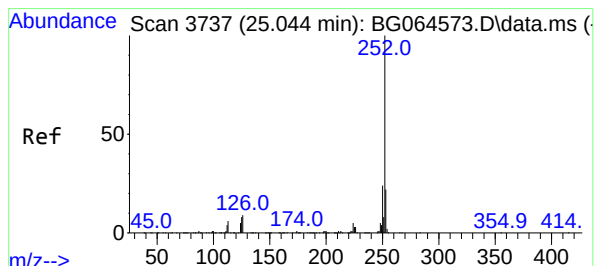
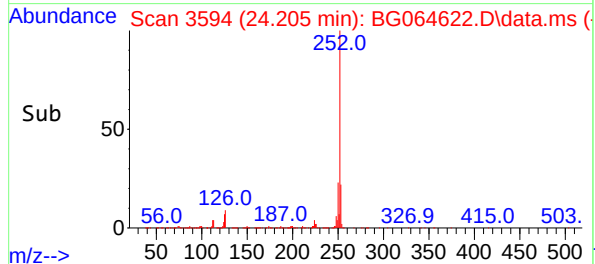
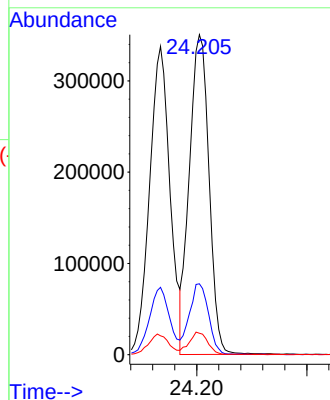
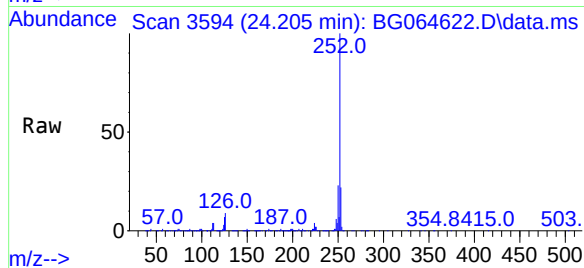
Tgt Ion:252 Resp: 867424

Ion Ratio Lower Upper

252 100

253 22.1 16.8 25.2

125 6.7 5.4 8.0



#90

Benzo(a)pyrene

Concen: 47.341 ng

RT: 25.039 min Scan# 3736

Delta R.T. -0.021 min

Lab File: BG064622.D

Acq: 29 Oct 2025 14:06

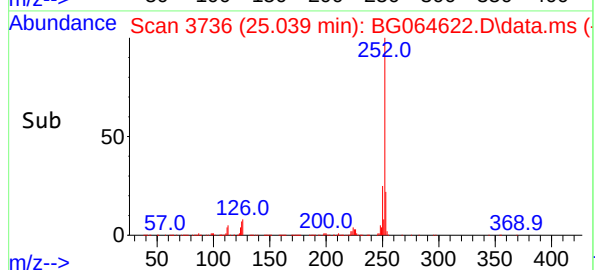
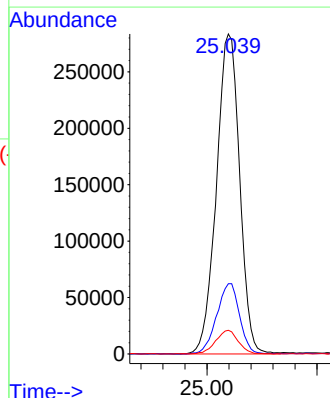
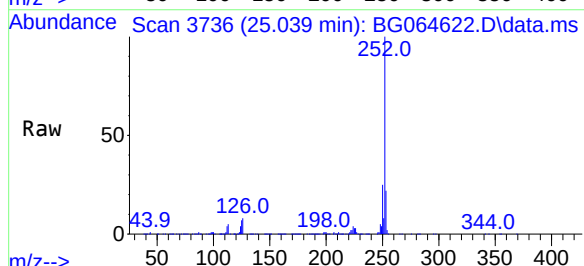
Tgt Ion:252 Resp: 830855

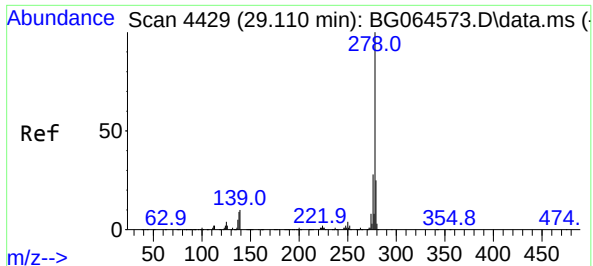
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 7.4 6.1 9.1

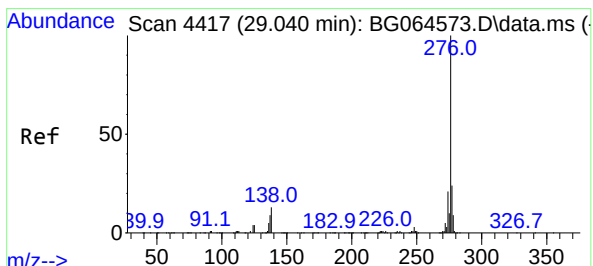
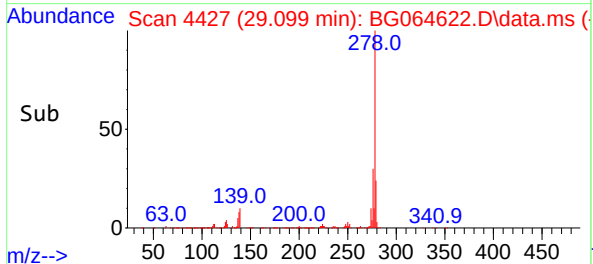
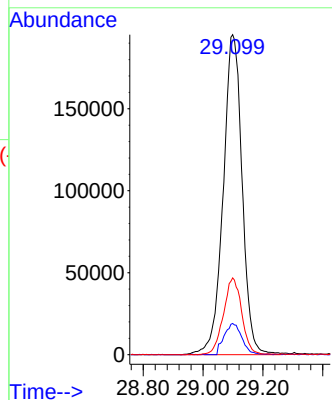
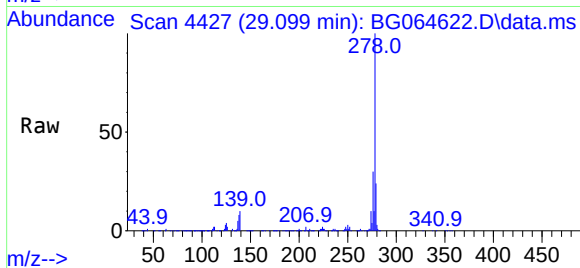




#91
Dibenzo(a,h)anthracene
Concen: 46.137 ng
RT: 29.099 min Scan# 4427
Delta R.T. -0.038 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

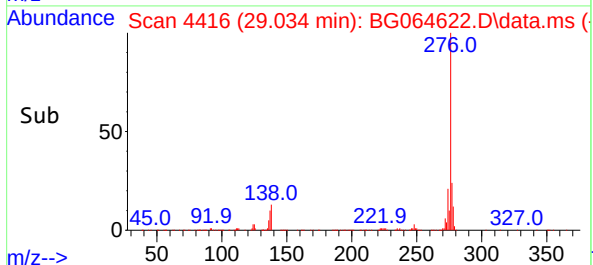
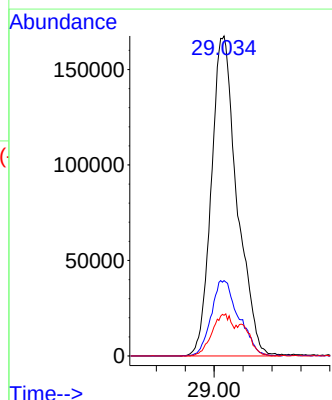
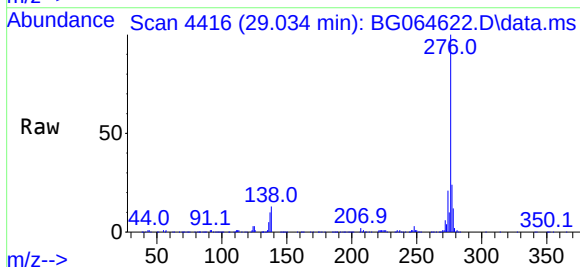
Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:278 Resp: 858540
Ion Ratio Lower Upper
278 100
139 9.8 8.0 12.0
279 24.0 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 45.114 ng
RT: 29.034 min Scan# 4416
Delta R.T. -0.027 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:276 Resp: 1033332
Ion Ratio Lower Upper
276 100
277 23.6 19.2 28.8
138 12.7 10.7 16.1





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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-20251021MS
Lab Sample ID: Q3419-02MS
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2100		1	290	610	ug/Kg	10/29/25 17:34	PB170215
108-95-2	Phenol	3000		1	40.6	310	ug/Kg	10/29/25 17:34	PB170215
111-44-4	bis(2-Chloroethyl)ether	2000		1	44.6	310	ug/Kg	10/29/25 17:34	PB170215
95-57-8	2-Chlorophenol	3200		1	44.8	310	ug/Kg	10/29/25 17:34	PB170215
95-48-7	2-Methylphenol	3000		1	54.9	310	ug/Kg	10/29/25 17:34	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2800		1	68.9	310	ug/Kg	10/29/25 17:34	PB170215
98-86-2	Acetophenone	3300		1	54.2	310	ug/Kg	10/29/25 17:34	PB170215
65794-96-9	3+4-Methylphenols	3000		1	75.5	610	ug/Kg	10/29/25 17:34	PB170215
621-64-7	n-Nitroso-di-n-propylamine	3000		1	87.0	150	ug/Kg	10/29/25 17:34	PB170215
67-72-1	Hexachloroethane	3200		1	32.3	310	ug/Kg	10/29/25 17:34	PB170215
98-95-3	Nitrobenzene	3400		1	33.6	310	ug/Kg	10/29/25 17:34	PB170215
78-59-1	Isophorone	3000		1	60.2	310	ug/Kg	10/29/25 17:34	PB170215
88-75-5	2-Nitrophenol	3800		1	110	310	ug/Kg	10/29/25 17:34	PB170215
105-67-9	2,4-Dimethylphenol	3500		1	120	310	ug/Kg	10/29/25 17:34	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2900		1	56.6	310	ug/Kg	10/29/25 17:34	PB170215
120-83-2	2,4-Dichlorophenol	3500		1	52.0	310	ug/Kg	10/29/25 17:34	PB170215
91-20-3	Naphthalene	3000		1	41.7	310	ug/Kg	10/29/25 17:34	PB170215
106-47-8	4-Chloroaniline	1300		1	65.0	310	ug/Kg	10/29/25 17:34	PB170215
87-68-3	Hexachlorobutadiene	3200		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
105-60-2	Caprolactam	3100		1	95.7	610	ug/Kg	10/29/25 17:34	PB170215
59-50-7	4-Chloro-3-methylphenol	3200		1	52.7	310	ug/Kg	10/29/25 17:34	PB170215
91-57-6	2-Methylnaphthalene	2800		1	47.0	310	ug/Kg	10/29/25 17:34	PB170215
77-47-4	Hexachlorocyclopentadiene	9500	E	1	210	610	ug/Kg	10/29/25 17:34	PB170215
88-06-2	2,4,6-Trichlorophenol	3600		1	36.4	310	ug/Kg	10/29/25 17:34	PB170215
95-95-4	2,4,5-Trichlorophenol	3400		1	53.4	310	ug/Kg	10/29/25 17:34	PB170215
92-52-4	1,1-Biphenyl	3400		1	40.0	310	ug/Kg	10/29/25 17:34	PB170215
91-58-7	2-Chloronaphthalene	3100		1	41.3	310	ug/Kg	10/29/25 17:34	PB170215
88-74-4	2-Nitroaniline	3400		1	88.3	310	ug/Kg	10/29/25 17:34	PB170215
131-11-3	Dimethylphthalate	3100		1	49.8	310	ug/Kg	10/29/25 17:34	PB170215
208-96-8	Acenaphthylene	3500		1	53.1	310	ug/Kg	10/29/25 17:34	PB170215
606-20-2	2,6-Dinitrotoluene	3700		1	61.7	310	ug/Kg	10/29/25 17:34	PB170215
99-09-2	3-Nitroaniline	2500		1	84.5	310	ug/Kg	10/29/25 17:34	PB170215
83-32-9	Acenaphthene	3500		1	39.1	310	ug/Kg	10/29/25 17:34	PB170215
51-28-5	2,4-Dinitrophenol	8100	E	1	420	610	ug/Kg	10/29/25 17:34	PB170215
100-02-7	4-Nitrophenol	7500	E	1	200	610	ug/Kg	10/29/25 17:34	PB170215
132-64-9	Dibenzofuran	3100		1	41.7	310	ug/Kg	10/29/25 17:34	PB170215
121-14-2	2,4-Dinitrotoluene	3600		1	92.0	310	ug/Kg	10/29/25 17:34	PB170215
84-66-2	Diethylphthalate	3100		1	52.0	310	ug/Kg	10/29/25 17:34	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3100		1	49.0	310	ug/Kg	10/29/25 17:34	PB170215
86-73-7	Fluorene	3100		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
100-01-6	4-Nitroaniline	3600		1	120	310	ug/Kg	10/29/25 17:34	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	4000		1	190	610	ug/Kg	10/29/25 17:34	PB170215

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR-132-S16-015094-20251021MS
 Lab Sample ID: Q3419-02MS
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
 Date Received: 10/21/25
 SDG No.: Q3419
 Matrix: SOIL
 % Solid: 54.4
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 17:34	PB170215
101-55-3	4-Bromophenyl-phenylether	3200		1	51.1	310	ug/Kg	10/29/25 17:34	PB170215
118-74-1	Hexachlorobenzene	3200		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
1912-24-9	Atrazine	3400		1	62.4	310	ug/Kg	10/29/25 17:34	PB170215
87-86-5	Pentachlorophenol	7000	E	1	94.2	610	ug/Kg	10/29/25 17:34	PB170215
85-01-8	Phenanthrene	3100		1	38.4	310	ug/Kg	10/29/25 17:34	PB170215
120-12-7	Anthracene	3100		1	61.2	310	ug/Kg	10/29/25 17:34	PB170215
86-74-8	Carbazole	3100		1	57.3	310	ug/Kg	10/29/25 17:34	PB170215
84-74-2	Di-n-butylphthalate	3200		1	88.0	310	ug/Kg	10/29/25 17:34	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 17:34	PB170215
129-00-0	Pyrene	2900		1	66.1	310	ug/Kg	10/29/25 17:34	PB170215
85-68-7	Butylbenzylphthalate	3500		1	130	310	ug/Kg	10/29/25 17:34	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 17:34	PB170215
56-55-3	Benzo(a)anthracene	3100		1	42.2	310	ug/Kg	10/29/25 17:34	PB170215
218-01-9	Chrysene	3100		1	36.5	310	ug/Kg	10/29/25 17:34	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 17:34	PB170215
117-84-0	Di-n-octyl phthalate	3500		1	160	610	ug/Kg	10/29/25 17:34	PB170215
205-99-2	Benzo(b)fluoranthene	3100		1	34.9	310	ug/Kg	10/29/25 17:34	PB170215
207-08-9	Benzo(k)fluoranthene	3200		1	41.1	310	ug/Kg	10/29/25 17:34	PB170215
50-32-8	Benzo(a)pyrene	3200		1	54.2	310	ug/Kg	10/29/25 17:34	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3100		1	53.4	310	ug/Kg	10/29/25 17:34	PB170215
53-70-3	Dibenzo(a,h)anthracene	3200		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215
191-24-2	Benzo(g,h,i)perylene	3100		1	47.2	310	ug/Kg	10/29/25 17:34	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3500		1	47.0	310	ug/Kg	10/29/25 17:34	PB170215
123-91-1	1,4-Dioxane	2500		1	83.0	310	ug/Kg	10/29/25 17:34	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3800		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215

SURROGATES

367-12-4	2-Fluorophenol	95.5		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	99.7		15 - 107	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.9		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.3		20 - 109	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		10 - 116	82%	SPK: 150
1718-51-0	Terphenyl-d14	60.4		10 - 105	60%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	30500
1146-65-2	Naphthalene-d8	121000
15067-26-2	Acenaphthene-d10	93600
1517-22-2	Phenanthrene-d10	230000
1719-03-5	Chrysene-d12	272000
1520-96-3	Perylene-d12	297000

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3419
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	54.4
Sample Wt/Vol:	30.03 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064627.D
 Acq On : 29 Oct 2025 17:34
 Operator : RC/JU
 Sample : Q3419-02MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR-132-S16-015094-20251021MS

Quant Time: Oct 30 04:56:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.216	152	30488	20.000	ng	0.00
21) Naphthalene-d8	11.042	136	121320	20.000	ng	-0.01
39) Acenaphthene-d10	14.838	164	93614	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	229619	20.000	ng	0.00
76) Chrysene-d12	21.853	240	271892	20.000	ng	#-0.01
86) Perylene-d12	25.191	264	296767	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	173396	95.462	ng	0.00
7) Phenol-d6	7.353	99	248444	99.678	ng	0.00
23) Nitrobenzene-d5	9.380	82	155421	76.945	ng	-0.01
42) 2,4,6-Tribromophenol	16.319	330	166810	123.459	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	372604	60.330	ng	-0.01
79) Terphenyl-d14	20.167	244	870859	60.445	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.581	88	32986	41.019	ng	99
3) Pyridine	3.992	79	91699	37.972	ng	98
4) n-Nitrosodimethylamine	3.898	42	64506	49.810	ng	98
6) Aniline	7.529	93	110647	32.624	ng	97
8) 2-Chlorophenol	7.776	128	100885	53.064	ng	94
9) Benzaldehyde	7.335	77	47095	34.610	ng	96
10) Phenol	7.382	94	133081	48.280	ng	96
11) bis(2-Chloroethyl)ether	7.529	93	110647	32.624	ng	99
12) 1,3-Dichlorobenzene	8.111	146	106607	48.719	ng	100
13) 1,4-Dichlorobenzene	8.257	146	108820	48.909	ng	96
14) 1,2-Dichlorobenzene	8.575	146	107105	49.907	ng	97
15) Benzyl Alcohol	8.445	79	100831	49.058	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.745	45	245238	46.132	ng	99
17) 2-Methylphenol	8.445	107	50376	49.034	ng	91
18) Hexachloroethane	9.321	117	40540	51.921	ng	97
19) n-Nitroso-di-n-propyla...	9.021	70	83332	48.377	ng	98
20) 3+4-Methylphenols	8.974	107	125652	48.821	ng	98
22) Acetophenone	9.039	105	180237	54.347	ng	95
24) Nitrobenzene	9.421	77	121561	55.332	ng	95
25) Isophorone	9.955	82	240580	49.637	ng	98
26) 2-Nitrophenol	10.138	139	54118	62.810	ng	93
27) 2,4-Dimethylphenol	10.196	122	103937	56.519	ng	88
28) bis(2-Chloroethoxy)met...	10.431	93	132986	48.190	ng	97
29) 2,4-Dichlorophenol	10.678	162	109647	56.512	ng	99
30) 1,2,4-Trichlorobenzene	10.901	180	120137	54.496	ng	96
31) Naphthalene	11.095	128	328094	48.777	ng	100
32) Benzoic acid	10.320	122	89978	65.009	ng	90
33) 4-Chloroaniline	11.183	127	56519	21.618	ng	98
34) Hexachlorobutadiene	11.383	225	89758	52.062	ng	93
35) Caprolactam	11.947	113	37507m	50.401	ng	
36) 4-Chloro-3-methylphenol	12.288	107	122640	52.585	ng	96
37) 2-Methylnaphthalene	12.688	142	224108	45.380	ng	100
38) 1-Methylnaphthalene	12.905	142	231684	47.679	ng	95
40) 1,2,4,5-Tetrachloroben...	13.046	216	181893	57.895	ng	99
41) Hexachlorocyclopentadiene	13.034	237	218323	154.388	ng	99
43) 2,4,6-Trichlorophenol	13.275	196	105398	58.649	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064627.D
Acq On : 29 Oct 2025 17:34
Operator : RC/JU
Sample : Q3419-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Quant Time: Oct 30 04:56:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

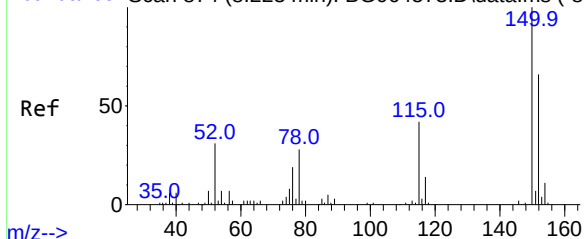
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	114236	55.084	ng	99
46) 1,1'-Biphenyl	13.680	154	374605	56.287	ng	98
47) 2-Chloronaphthalene	13.722	162	251555	50.074	ng	98
48) 2-Nitroaniline	13.910	65	95513	56.055	ng	95
49) Acenaphthylene	14.568	152	452550	57.112	ng	99
50) Dimethylphthalate	14.286	163	362240	50.569	ng	98
51) 2,6-Dinitrotoluene	14.397	165	72717	60.623	ng	97
52) Acenaphthene	14.903	154	312776	57.775	ng	99
53) 3-Nitroaniline	14.720	138	50027	40.637	ng	98
54) 2,4-Dinitrophenol	14.926	184	99300	132.948	ng #	46
55) Dibenzofuran	15.237	168	444561	50.793	ng	100
56) 4-Nitrophenol	15.020	139	139148	121.914	ng	90
57) 2,4-Dinitrotoluene	15.179	165	108193	58.491	ng	99
58) Fluorene	15.884	166	345737	50.581	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.455	232	122956	62.001	ng	99
60) Diethylphthalate	15.643	149	365971	50.036	ng	98
61) 4-Chlorophenyl-phenyle...	15.872	204	195464	50.956	ng	99
62) 4-Nitroaniline	15.884	138	81463	59.481	ng	93
63) Azobenzene	16.160	77	358981	53.492	ng	100
65) 4,6-Dinitro-2-methylph...	15.943	198	67553	64.726	ng	94
66) n-Nitrosodiphenylamine	16.078	169	317977	51.265	ng	98
67) 4-Bromophenyl-phenylether	16.765	248	141564	52.025	ng	96
68) Hexachlorobenzene	16.888	284	160884	51.826	ng	96
69) Atrazine	17.018	200	146978	55.064	ng	99
70) Pentachlorophenol	17.223	266	220117	113.709	ng	96
71) Phenanthrene	17.623	178	634368	50.519	ng	99
72) Anthracene	17.711	178	639545	50.069	ng	100
73) Carbazole	17.970	167	577061	51.232	ng	99
74) Di-n-butylphthalate	18.528	149	670737	51.496	ng	98
75) Fluoranthene	19.615	202	802773	51.033	ng	98
77) Benzidine	19.779	184	255069	41.873	ng	98
78) Pyrene	19.973	202	842015	47.400	ng	99
80) Butylbenzylphthalate	20.849	149	309969	57.734	ng	99
81) Benzo(a)anthracene	21.836	228	915343	50.774	ng	99
82) 3,3'-Dichlorobenzidine	21.736	252	166879	27.720	ng	96
83) Chrysene	21.900	228	868130	50.608	ng	98
84) Bis(2-ethylhexyl)phtha...	21.742	149	450725	56.183	ng	98
85) Di-n-octyl phthalate	22.999	149	774721	57.277	ng	99
87) Indeno(1,2,3-cd)pyrene	29.033	276	1117747	51.200	ng #	97
88) Benzo(b)fluoranthene	24.133	252	914206	50.237	ng	99
89) Benzo(k)fluoranthene	24.209	252	937496	51.482	ng	97
90) Benzo(a)pyrene	25.044	252	883679	52.828	ng	100
91) Dibenzo(a,h)anthracene	29.109	278	916893	51.696	ng	98
92) Benzo(g,h,i)perylene	29.033	276	1117747	51.200	ng	98

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

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

- 1
- 2
- 3
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- 17
- 18

Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86

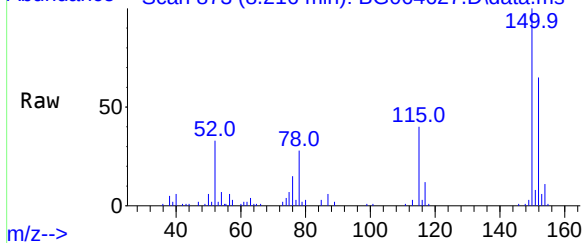


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.216 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

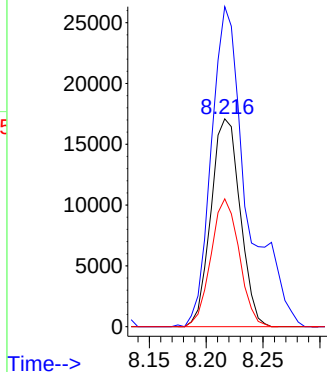
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:152 Resp: 30488
Ion Ratio Lower Upper
152 100
150 153.9 122.2 183.4
115 61.5 50.8 76.2

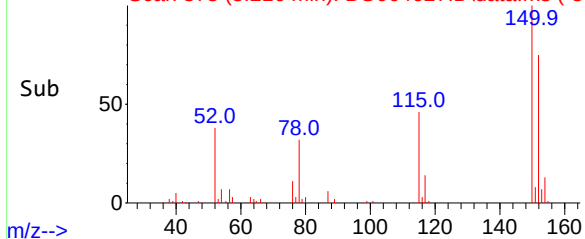
Abundance Scan 873 (8.216 min): BG064627.D\data.ms



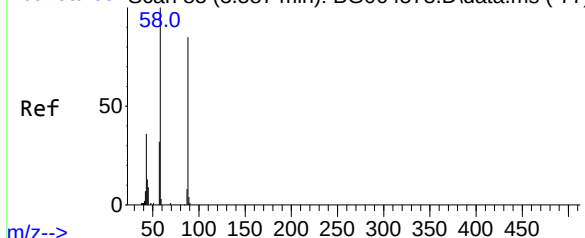
Abundance



Abundance Scan 873 (8.216 min): BG064627.D\data.ms (-85



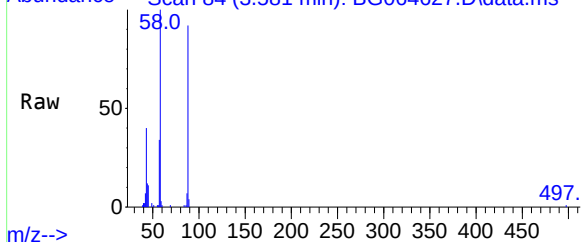
Abundance Scan 85 (3.587 min): BG064573.D\data.ms (-77)



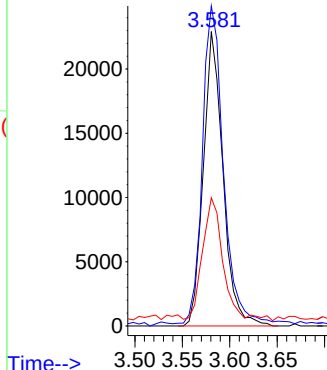
#2
1,4-Dioxane
Concen: 41.019 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion: 88 Resp: 32986
Ion Ratio Lower Upper
88 100
58 115.1 92.4 138.6
43 44.0 33.0 49.6

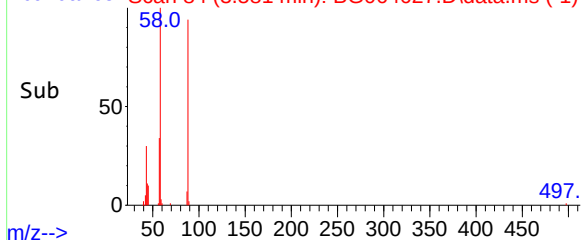
Abundance Scan 84 (3.581 min): BG064627.D\data.ms

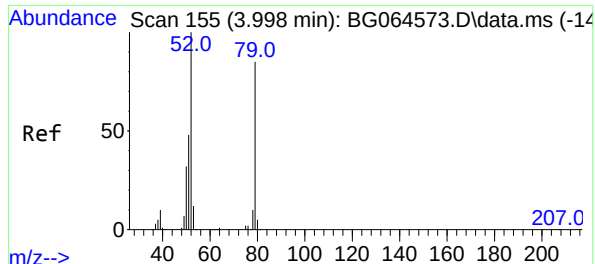


Abundance



Abundance Scan 84 (3.581 min): BG064627.D\data.ms (-1)

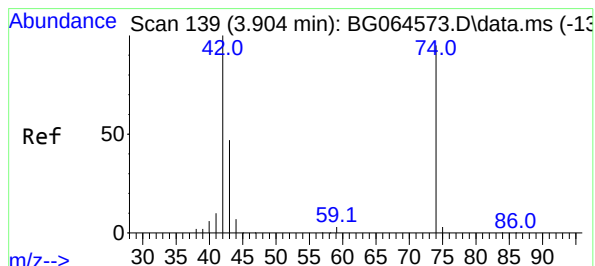
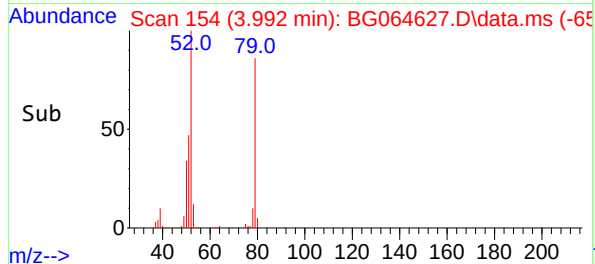
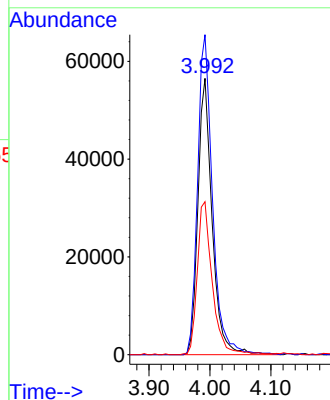
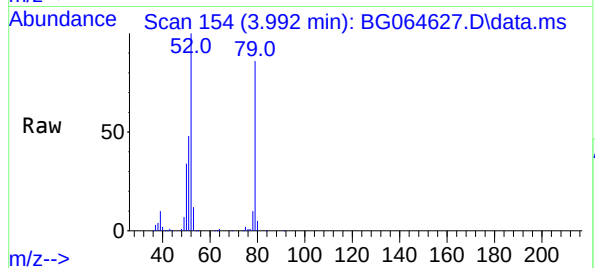




#3
Pyridine
Concen: 37.972 ng
RT: 3.992 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

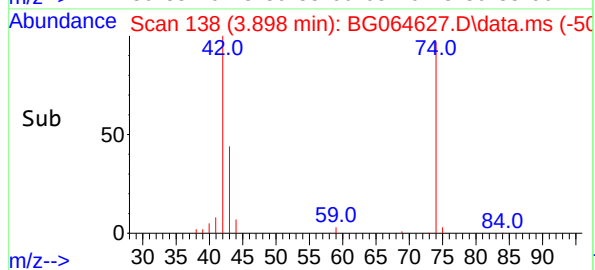
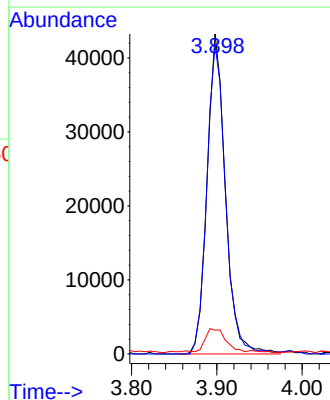
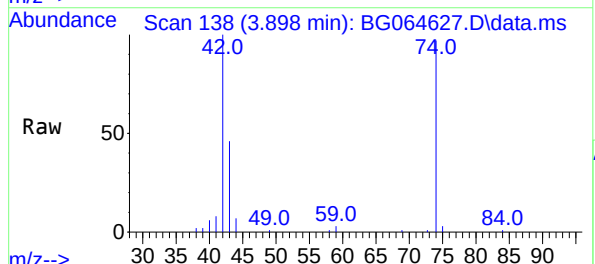
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion: 79 Resp: 91699
Ion Ratio Lower Upper
79 100
52 115.8 94.2 141.2
51 55.3 46.1 69.1

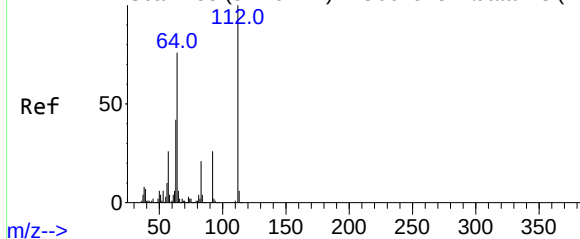


#4
n-Nitrosodimethylamine
Concen: 49.810 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

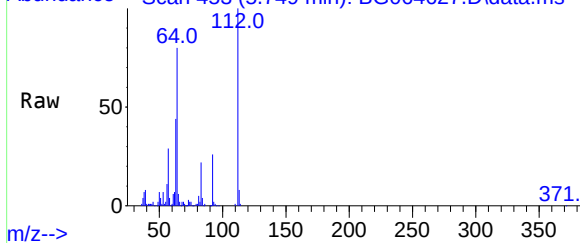
Tgt Ion: 42 Resp: 64506
Ion Ratio Lower Upper
42 100
74 96.6 76.1 114.1
44 7.4 6.3 9.5



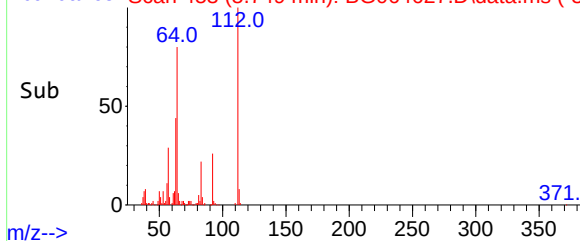
Abundance Scan 453 (5.749 min): BG064573.D\data.ms (-44



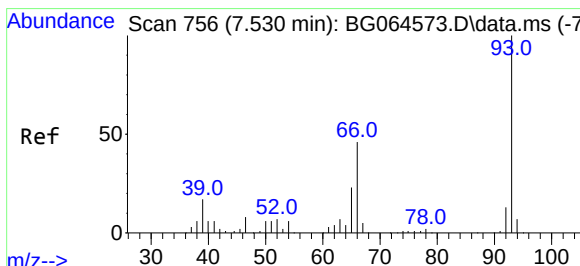
m/z--> Abundance Scan 453 (5.749 min): BG064627.D\data.ms



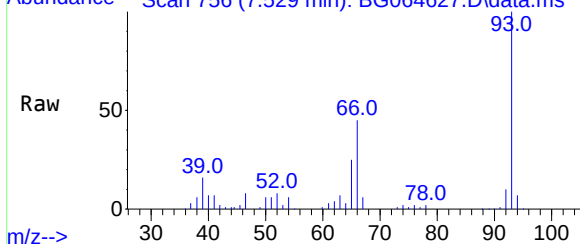
m/z--> Abundance Scan 453 (5.749 min): BG064627.D\data.ms (-36



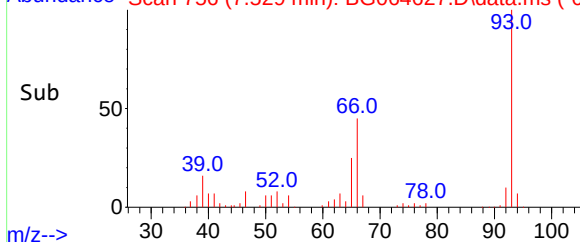
m/z--> Abundance Scan 756 (7.530 min): BG064573.D\data.ms (-74



m/z--> Abundance Scan 756 (7.529 min): BG064627.D\data.ms



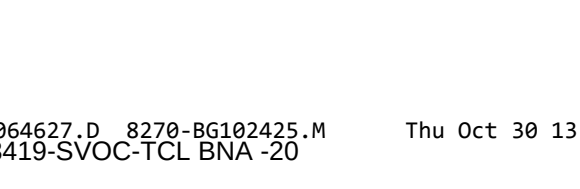
m/z--> Abundance Scan 756 (7.529 min): BG064627.D\data.ms (-66



m/z--> Abundance Scan 453 (5.749 min): BG064573.D\data.ms (-44



m/z--> Abundance Scan 453 (5.749 min): BG064627.D\data.ms



m/z--> Abundance Scan 453 (5.749 min): BG064627.D\data.ms (-36

#5

2-Fluorophenol

Concen: 95.462 ng

RT: 5.749 min Scan# 453

Delta R.T. 0.002 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

Tgt Ion:112 Resp: 173396

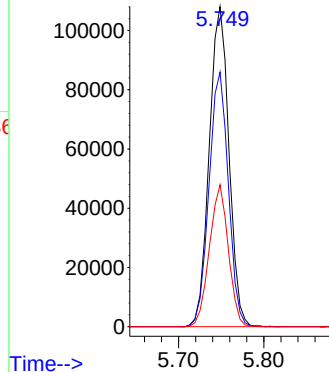
Ion Ratio Lower Upper

112 100

64 79.6 60.7 91.1

63 44.4 33.4 50.0

Abundance



#6

Aniline

Concen: 32.624 ng

RT: 7.529 min Scan# 756

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion: 93 Resp: 110647

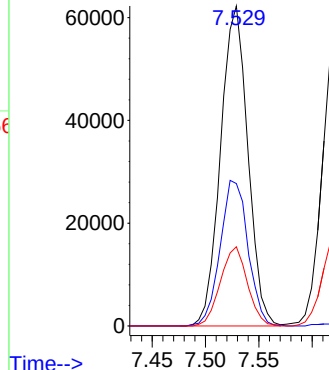
Ion Ratio Lower Upper

93 100

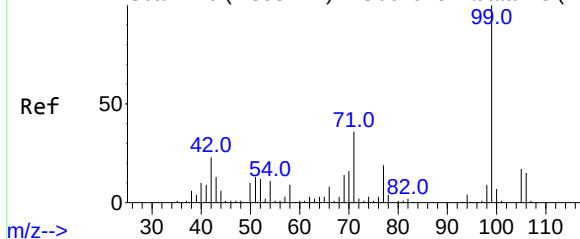
66 44.5 37.0 55.6

65 24.7 18.3 27.5

Abundance



Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



#7

Phenol-d6

Concen: 99.678 ng

RT: 7.353 min Scan# 71

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

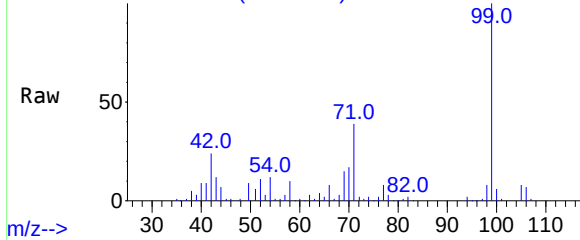
ClientSampleId :

PR-132-S16-015094-20251021MS

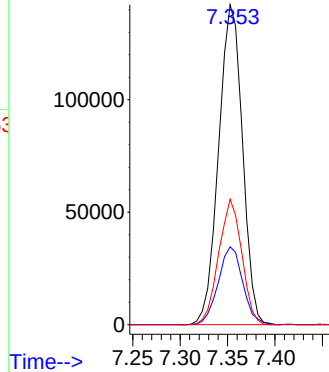
Tgt Ion: 99 Resp: 248444

Ion	Ratio	Lower	Upper
99	100		
42	24.4	18.3	27.5
71	39.2	28.6	43.0

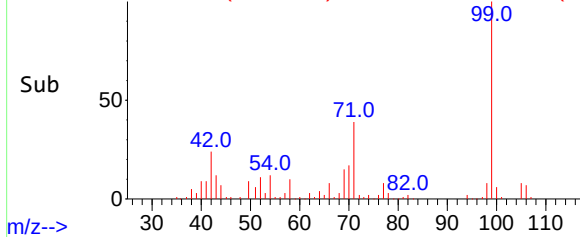
Abundance Scan 726 (7.353 min): BG064627.D\data.ms



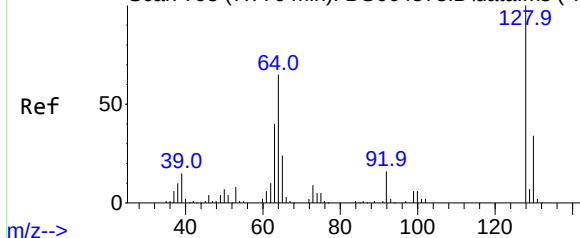
Abundance



Abundance Scan 726 (7.353 min): BG064627.D\data.ms (-63



Abundance Scan 798 (7.776 min): BG064573.D\data.ms (-79



#8

2-Chlorophenol

Concen: 53.064 ng

RT: 7.776 min Scan# 798

Delta R.T. -0.004 min

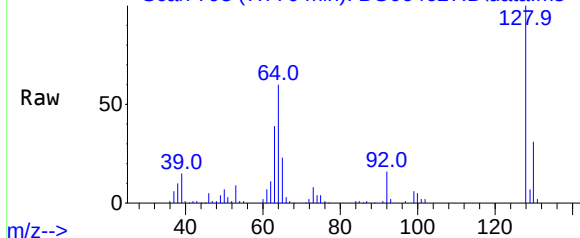
Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

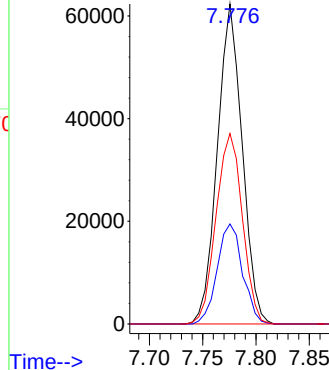
Tgt Ion: 128 Resp: 100885

Ion	Ratio	Lower	Upper
128	100		
130	31.3	13.5	53.5
64	59.5	45.2	85.2

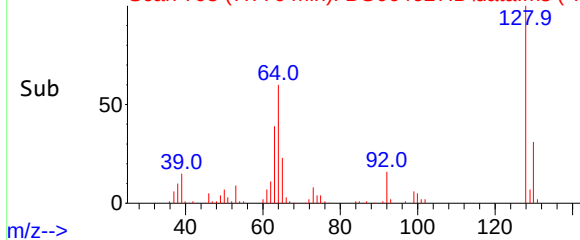
Abundance Scan 798 (7.776 min): BG064627.D\data.ms



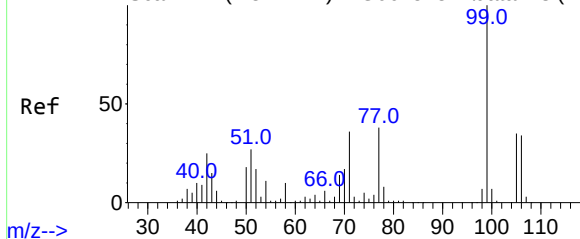
Abundance



Abundance Scan 798 (7.776 min): BG064627.D\data.ms (-70



Abundance Scan 724 (7.342 min): BG064573.D\data.ms (-71



#9

Benzaldehyde

Concen: 34.610 ng

RT: 7.335 min Scan# 71

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

Tgt Ion: 77 Resp: 47095

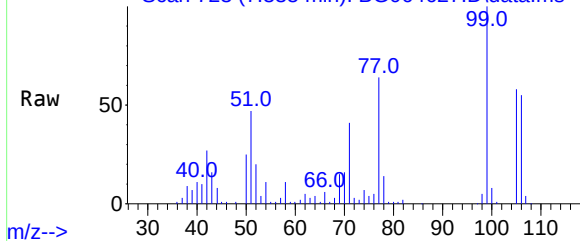
Ion Ratio Lower Upper

77 100

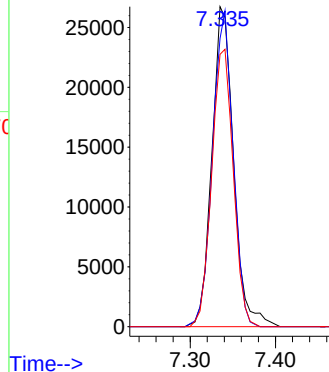
105 90.0 72.9 112.9

106 85.1 70.8 110.8

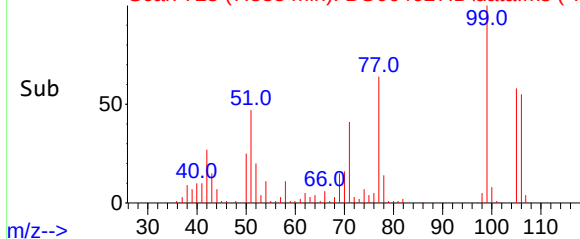
Abundance Scan 723 (7.335 min): BG064627.D\data.ms



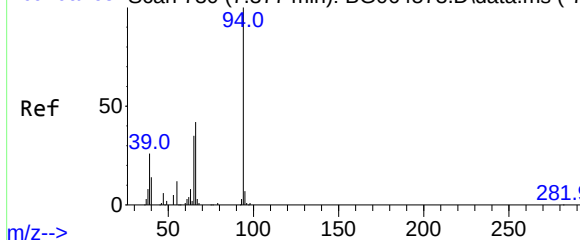
Abundance



Abundance Scan 723 (7.335 min): BG064627.D\data.ms (-70



Abundance Scan 730 (7.377 min): BG064573.D\data.ms (-72



#10

Phenol

Concen: 48.280 ng

RT: 7.382 min Scan# 731

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion: 94 Resp: 133081

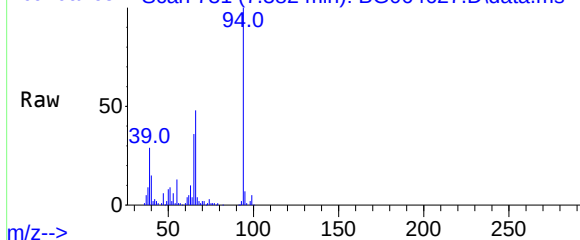
Ion Ratio Lower Upper

94 100

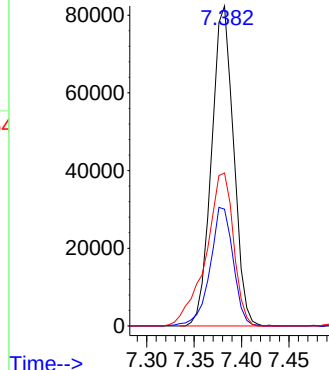
65 36.5 15.8 55.8

66 47.8 24.0 64.0

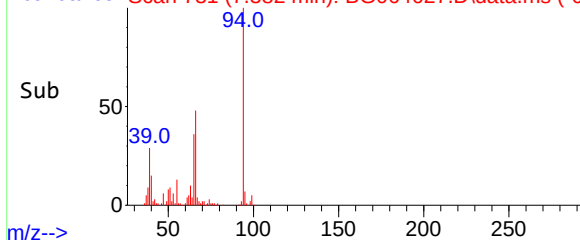
Abundance Scan 731 (7.382 min): BG064627.D\data.ms



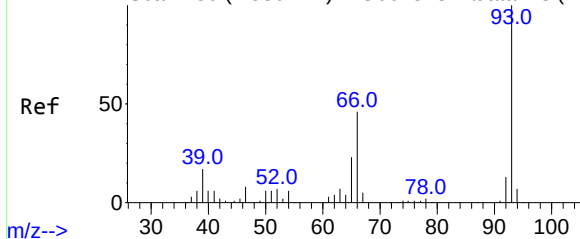
Abundance



Abundance Scan 731 (7.382 min): BG064627.D\data.ms (-64



Abundance Scan 756 (7.530 min): BG064573.D\data.ms (-74

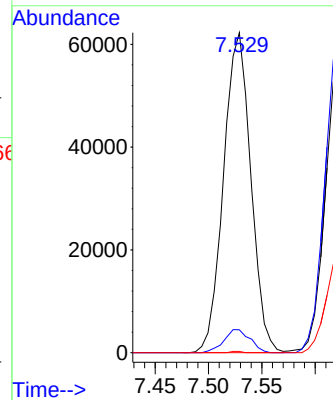
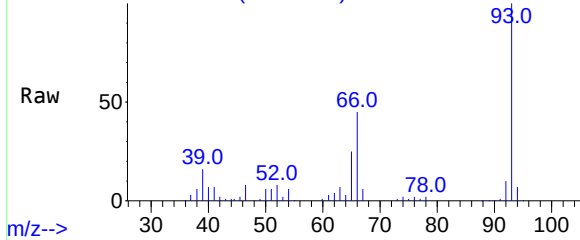


#11
bis(2-Chloroethyl)ether
Concen: 32.624 ng
RT: 7.529 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

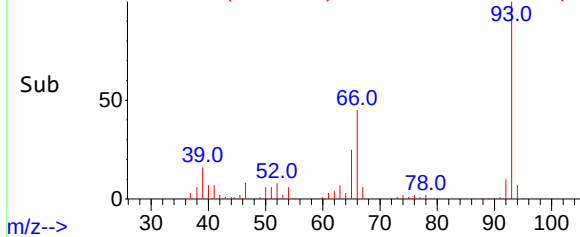
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion: 93 Resp: 110647
Ion Ratio Lower Upper
93 100
63 7.2 0.0 27.4
95 0.4 0.0 20.2

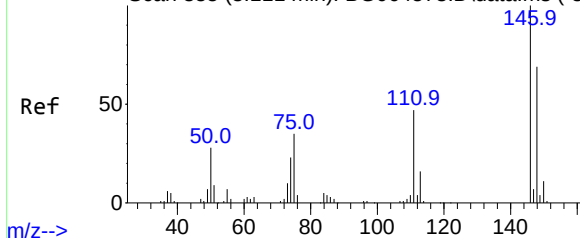
Abundance Scan 756 (7.529 min): BG064627.D\data.ms



Abundance Scan 756 (7.529 min): BG064627.D\data.ms (-66



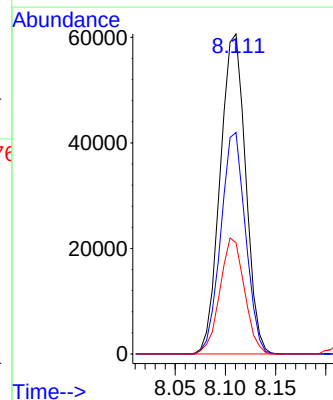
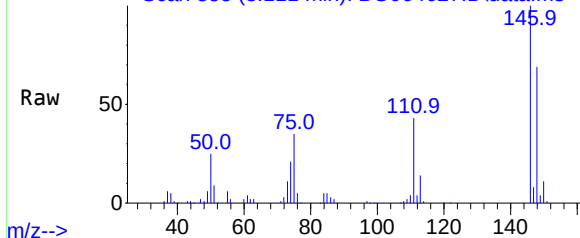
Abundance Scan 855 (8.111 min): BG064573.D\data.ms (-84



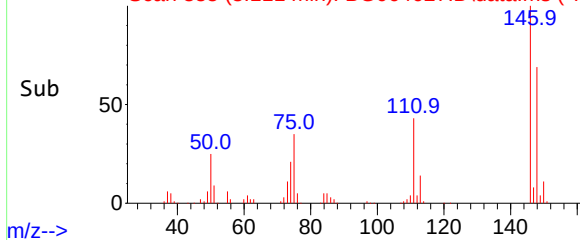
#12
1,3-Dichlorobenzene
Concen: 48.719 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion: 146 Resp: 106607
Ion Ratio Lower Upper
146 100
148 69.2 55.3 82.9
75 34.8 28.2 42.2

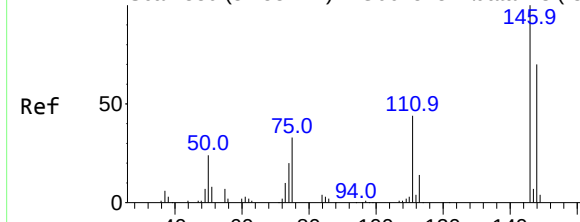
Abundance Scan 855 (8.111 min): BG064627.D\data.ms



Abundance Scan 855 (8.111 min): BG064627.D\data.ms (-76

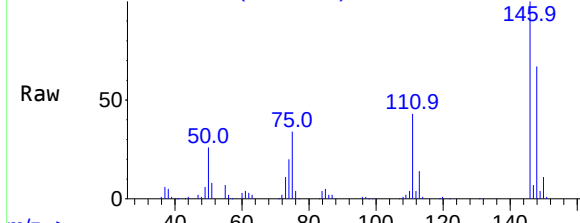


Abundance Scan 880 (8.258 min): BG064573.D\data.ms (-87



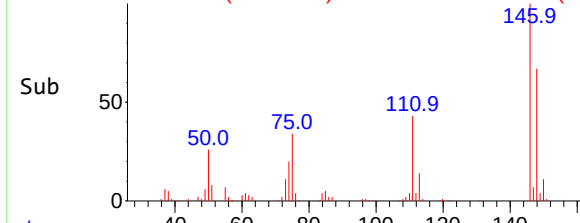
m/z-->

Abundance Scan 880 (8.257 min): BG064627.D\data.ms



m/z-->

Abundance Scan 880 (8.257 min): BG064627.D\data.ms (-79



m/z-->

#13

1,4-Dichlorobenzene

Concen: 48.909 ng

RT: 8.257 min Scan# 81

Delta R.T. 0.002 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

Tgt Ion:146 Resp: 108820

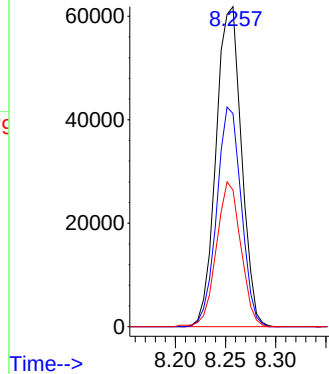
Ion Ratio Lower Upper

146 100

148 66.6 56.2 84.4

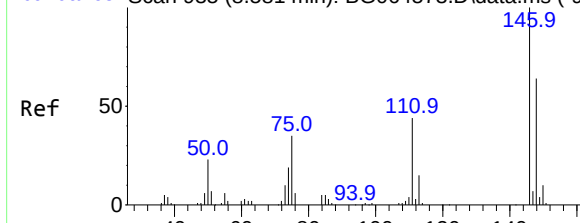
111 42.7 35.4 53.0

Abundance



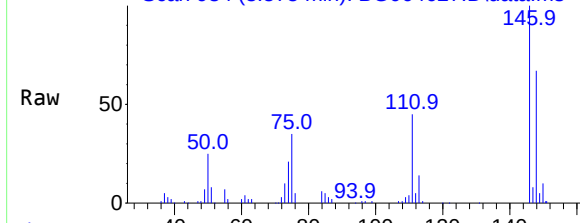
Time-->

Abundance Scan 935 (8.581 min): BG064573.D\data.ms (-92



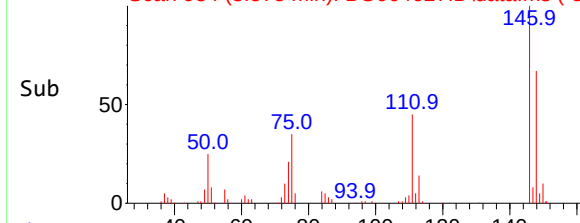
m/z-->

Abundance Scan 934 (8.575 min): BG064627.D\data.ms



m/z-->

Abundance Scan 934 (8.575 min): BG064627.D\data.ms (-84



m/z-->

#14

1,2-Dichlorobenzene

Concen: 49.907 ng

RT: 8.575 min Scan# 934

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion:146 Resp: 107105

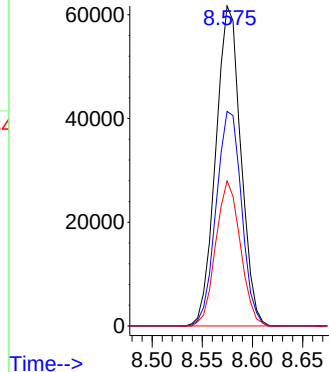
Ion Ratio Lower Upper

146 100

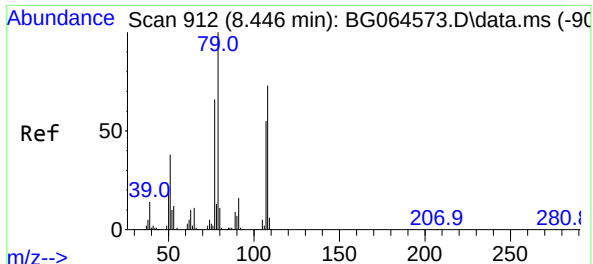
148 67.1 51.5 77.3

111 45.3 35.0 52.6

Abundance



Time-->



#15

Benzyl Alcohol

Concen: 49.058 ng

RT: 8.445 min Scan# 912

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

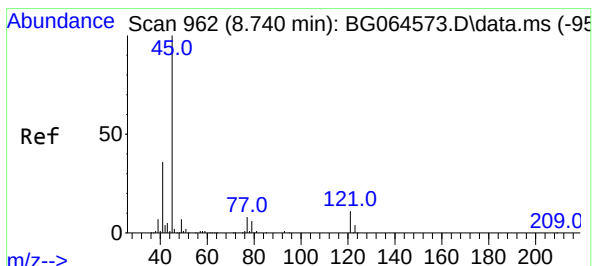
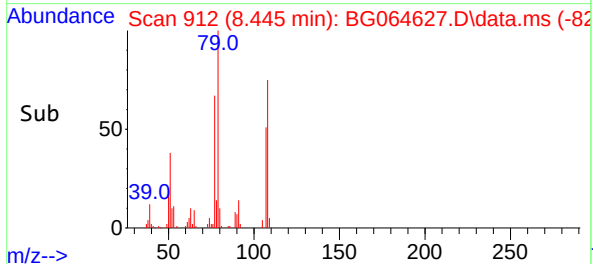
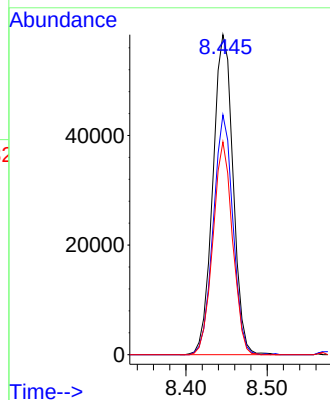
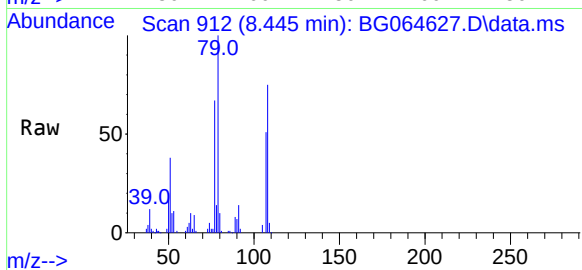
Tgt Ion: 79 Resp: 100831

Ion Ratio Lower Upper

79 100

108 75.0 58.1 87.1

77 66.5 52.8 79.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 46.132 ng

RT: 8.745 min Scan# 963

Delta R.T. 0.002 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

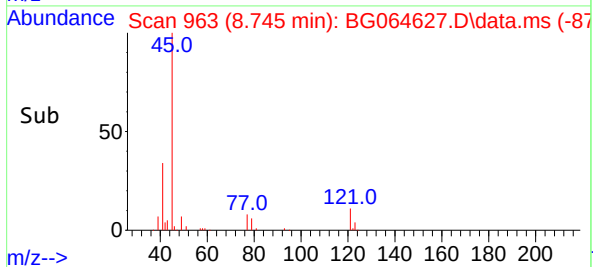
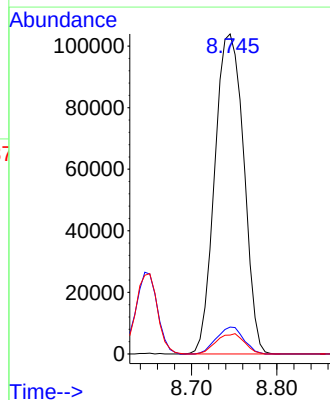
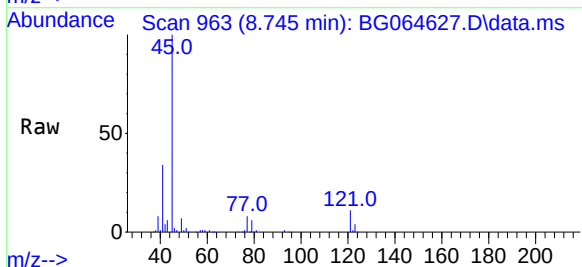
Tgt Ion: 45 Resp: 245238

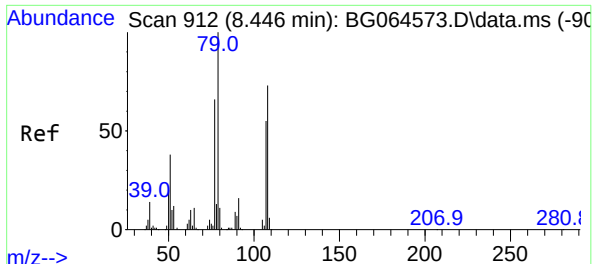
Ion Ratio Lower Upper

45 100

77 8.4 0.0 28.5

79 5.9 0.0 25.6





#17

2-Methylphenol

Concen: 49.034 ng

RT: 8.445 min Scan# 912

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

Tgt Ion:107 Resp: 50376

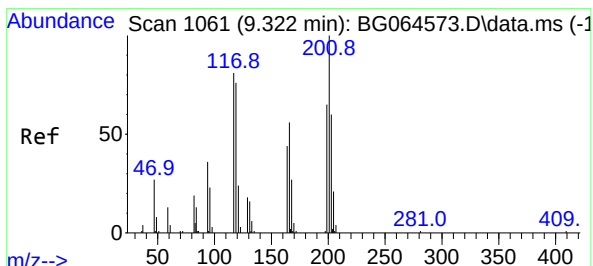
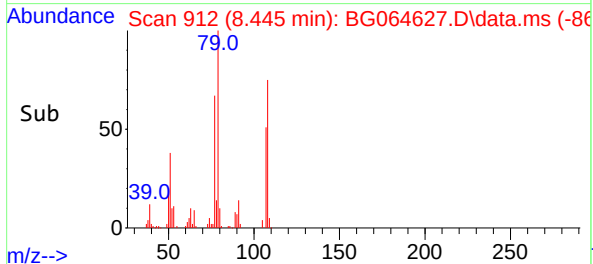
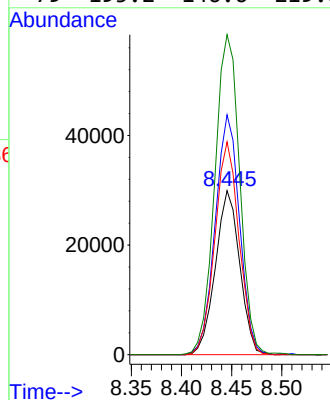
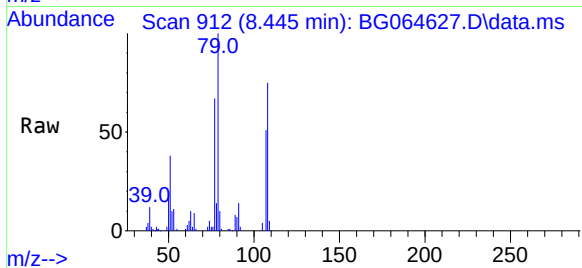
Ion Ratio Lower Upper

107 100

108 146.3 106.4 159.6

77 129.8 96.7 145.1

79 195.2 146.6 219.8



#18

Hexachloroethane

Concen: 51.921 ng

RT: 9.321 min Scan# 1061

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

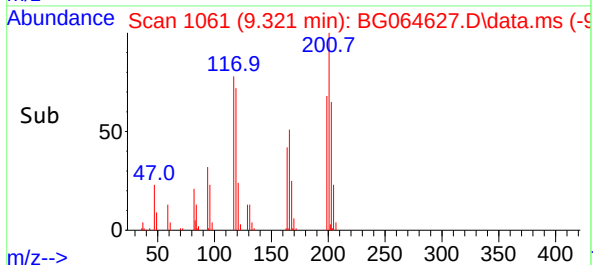
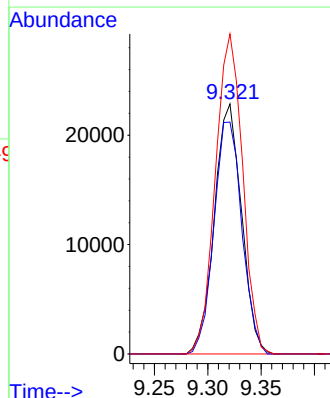
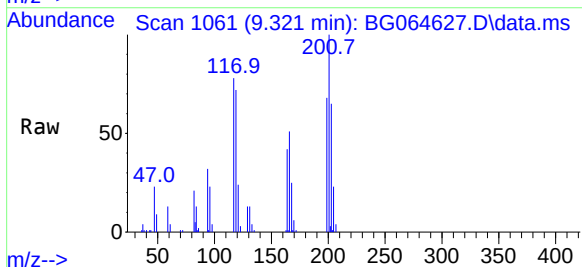
Tgt Ion:117 Resp: 40540

Ion Ratio Lower Upper

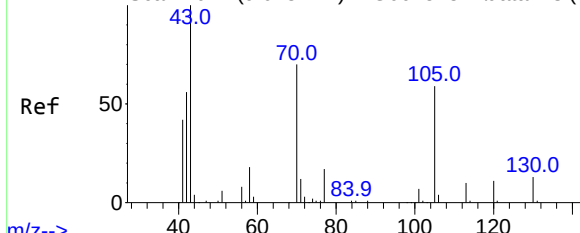
117 100

119 92.7 75.4 113.2

201 128.0 99.2 148.8



Abundance Scan 1011 (9.028 min): BG064573.D\data.ms (-1



#19

n-Nitroso-di-n-propylamine

Concen: 48.377 ng

RT: 9.021 min Scan# 1011

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

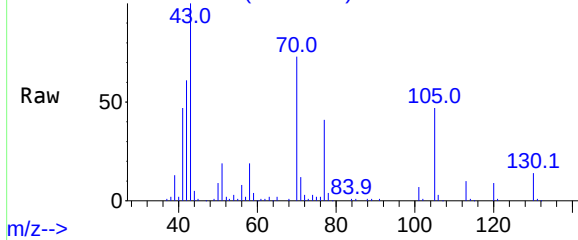
Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

Abundance Scan 1010 (9.021 min): BG064627.D\data.ms



Tgt Ion: 70 Resp: 83332

Ion Ratio Lower Upper

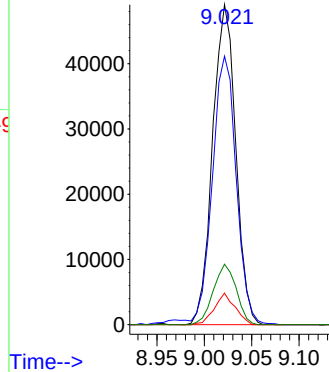
70 100

42 83.9 65.2 97.8

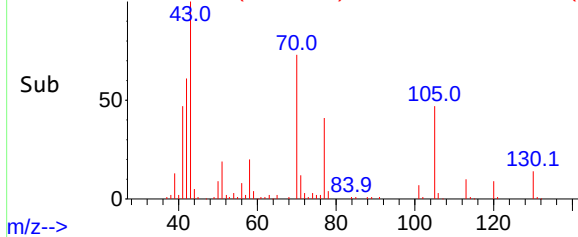
101 9.9 7.9 11.9

130 18.9 14.3 21.5

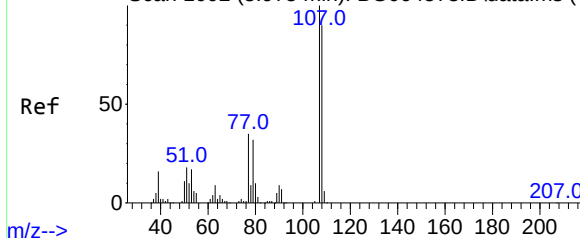
Abundance



Abundance Scan 1010 (9.021 min): BG064627.D\data.ms (-9



Abundance Scan 1002 (8.975 min): BG064573.D\data.ms (-9



#20

3+4-Methylphenols

Concen: 48.821 ng

RT: 8.974 min Scan# 1002

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion: 107 Resp: 125652

Ion Ratio Lower Upper

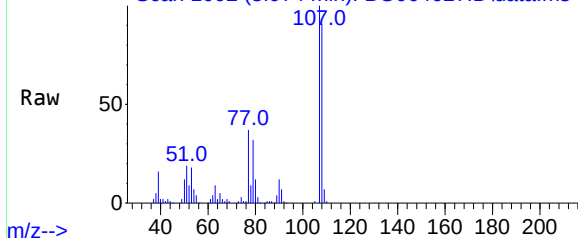
107 100

108 91.2 70.3 110.3

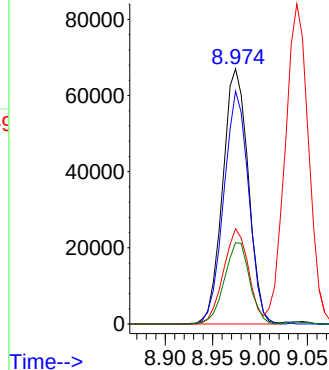
77 37.3 14.6 54.6

79 31.8 11.7 51.7

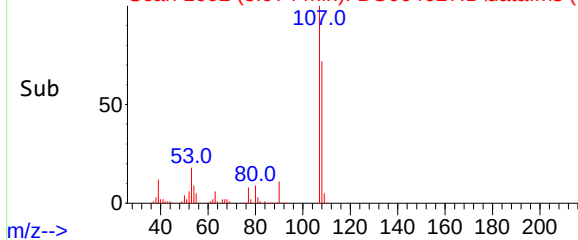
Abundance Scan 1002 (8.974 min): BG064627.D\data.ms

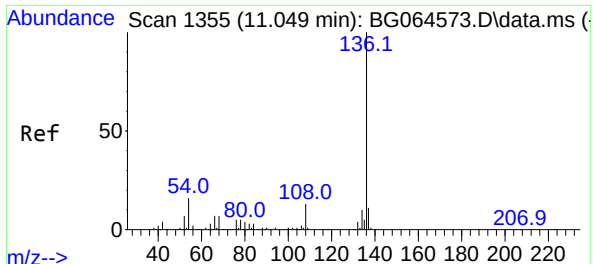


Abundance



Abundance Scan 1002 (8.974 min): BG064627.D\data.ms (-9



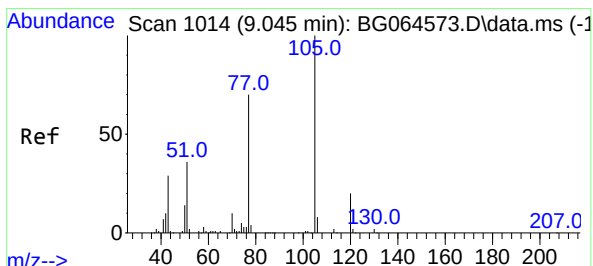
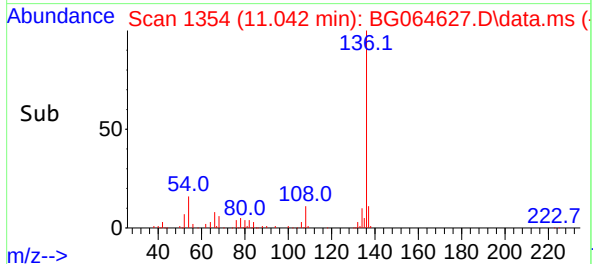
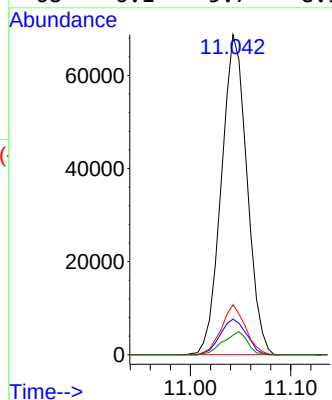
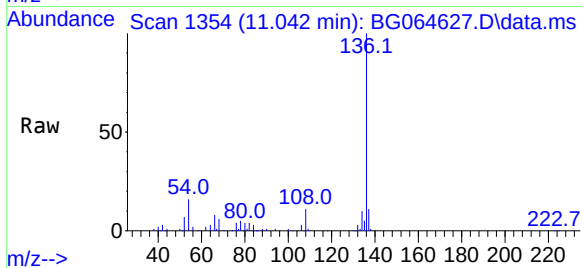


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.042 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:136 Resp: 121320

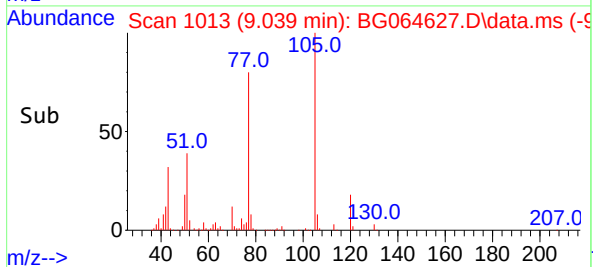
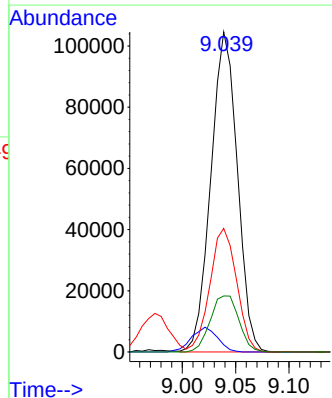
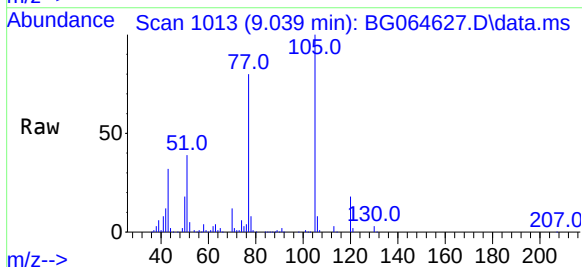
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	15.6	12.6	19.0
68	6.1	5.7	8.5

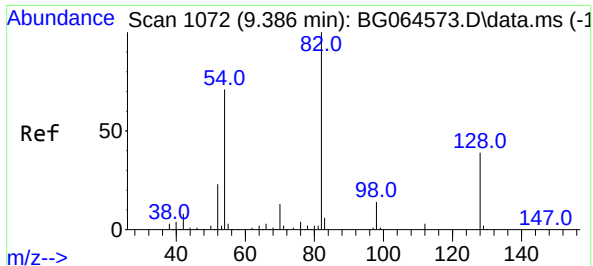


#22
Acetophenone
Concen: 54.347 ng
RT: 9.039 min Scan# 1013
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:105 Resp: 180237

Ion	Ratio	Lower	Upper
105	100		
71	2.3	1.5	2.3
51	38.6	33.7	50.5
120	17.5	16.1	24.1





#23

Nitrobenzene-d5

Concen: 76.945 ng

RT: 9.380 min Scan# 1072

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

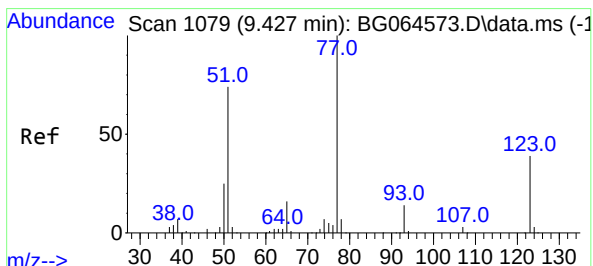
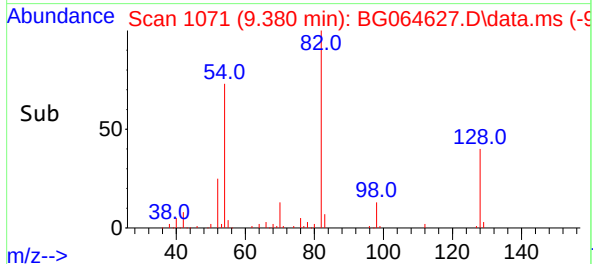
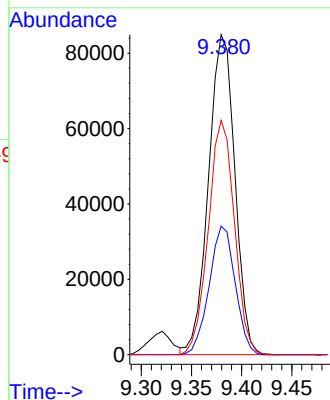
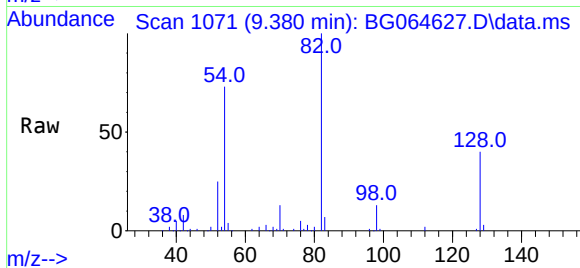
Tgt Ion: 82 Resp: 155421

Ion Ratio Lower Upper

82 100

128 40.2 31.3 46.9

54 73.2 56.6 84.8



#24

Nitrobenzene

Concen: 55.332 ng

RT: 9.421 min Scan# 1078

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

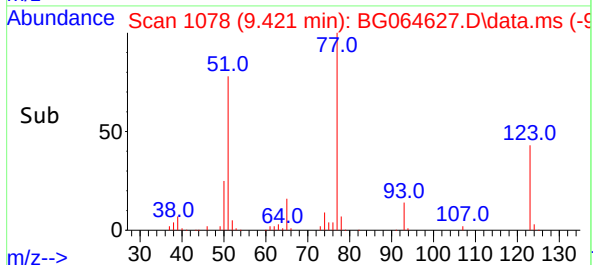
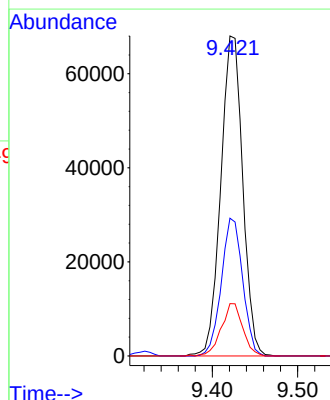
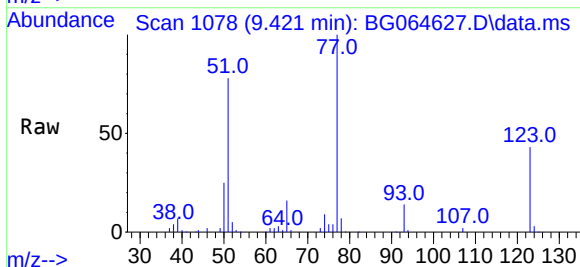
Tgt Ion: 77 Resp: 121561

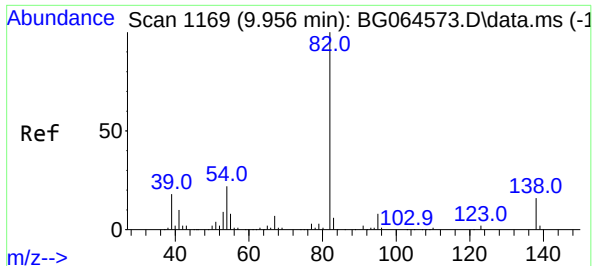
Ion Ratio Lower Upper

77 100

123 43.1 31.0 46.6

65 16.4 12.7 19.1

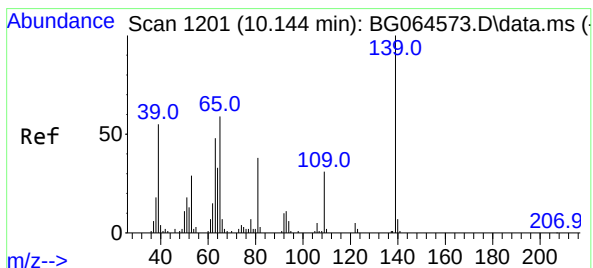
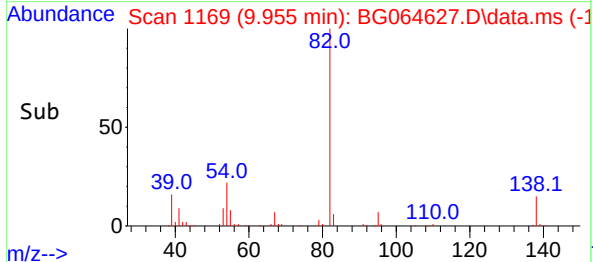
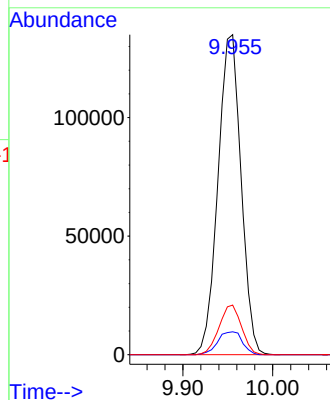
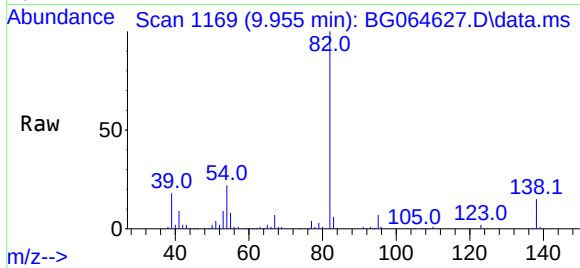




#25
Isophorone
Concen: 49.637 ng
RT: 9.955 min Scan# 1169
Delta R.T. -0.011 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

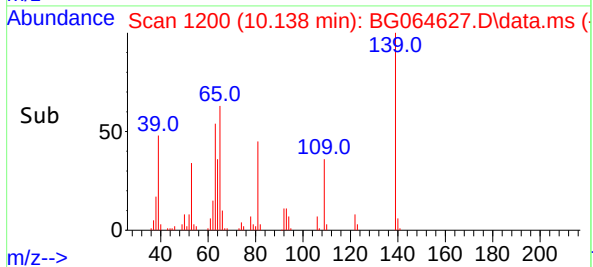
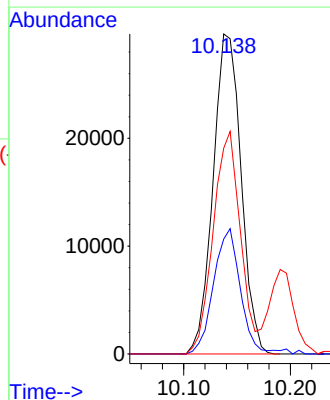
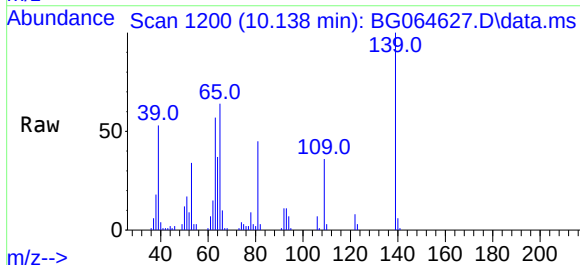
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

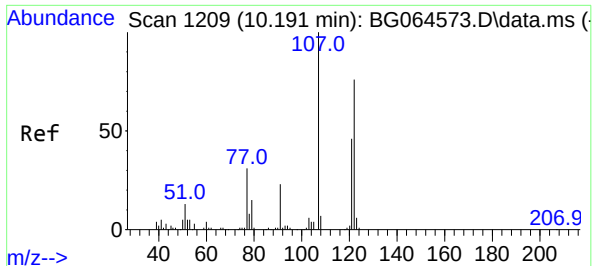
Tgt Ion:	82	Resp:	240580
Ion	Ratio	Lower	Upper
82	100		
95	7.2	6.1	9.1
138	15.5	13.0	19.4



#26
2-Nitrophenol
Concen: 62.810 ng
RT: 10.138 min Scan# 1200
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:	139	Resp:	54118
Ion	Ratio	Lower	Upper
139	100		
109	35.9	24.6	37.0
65	64.3	47.5	71.3





#27

2,4-Dimethylphenol

Concen: 56.519 ng

RT: 10.196 min Scan# 1

Delta R.T. 0.002 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

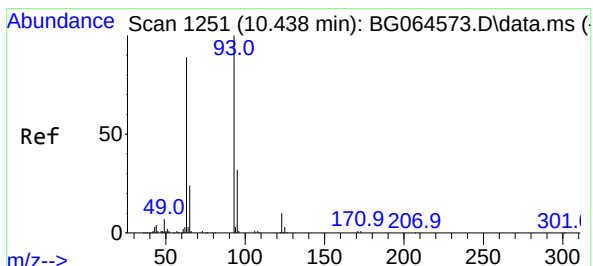
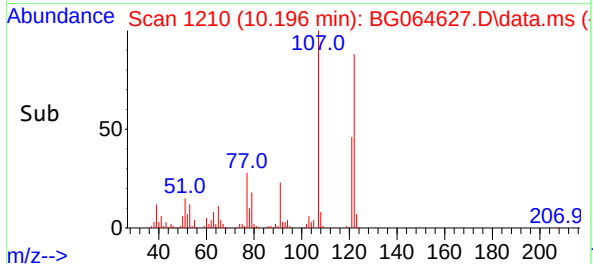
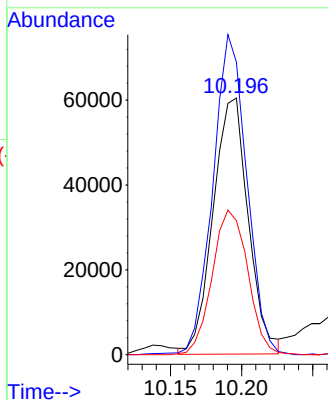
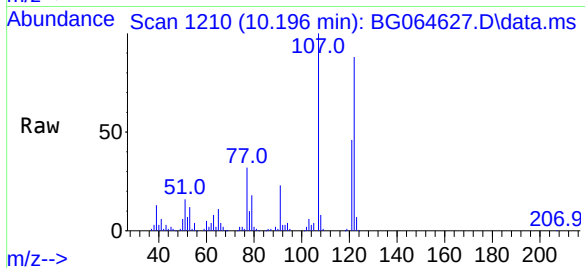
Tgt Ion:122 Resp: 103937

Ion Ratio Lower Upper

122 100

107 114.0 103.0 154.4

121 52.2 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 48.190 ng

RT: 10.431 min Scan# 1250

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

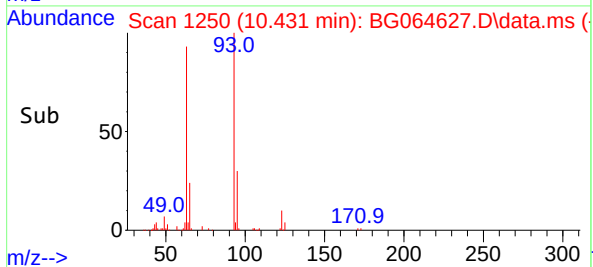
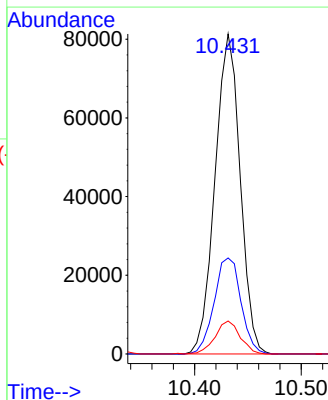
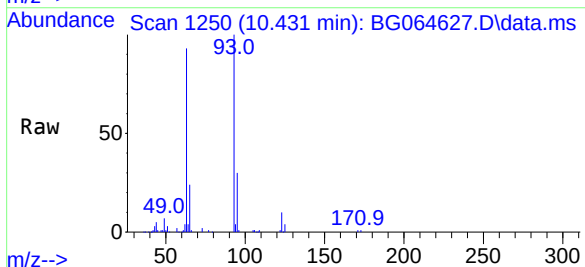
Tgt Ion: 93 Resp: 132986

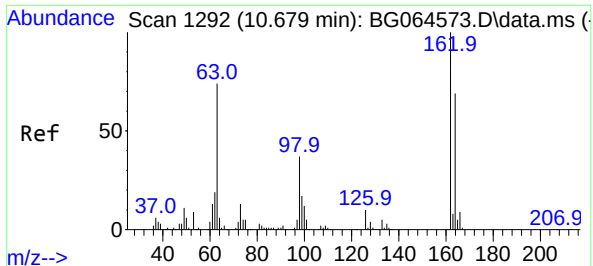
Ion Ratio Lower Upper

93 100

95 30.0 25.4 38.2

123 10.3 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 56.512 ng

RT: 10.678 min Scan# 1292

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

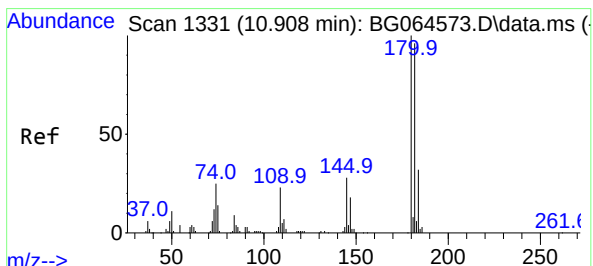
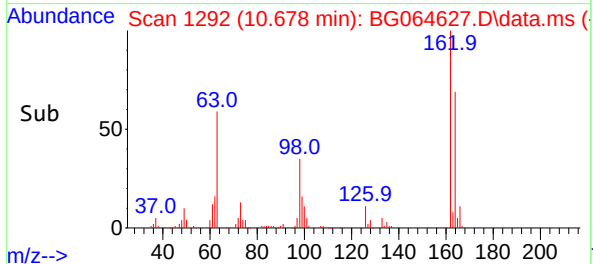
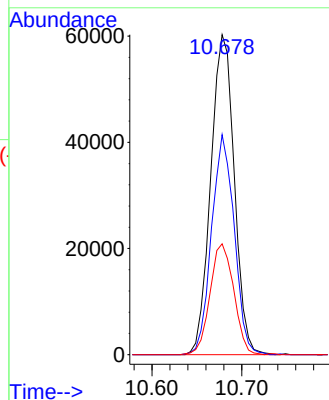
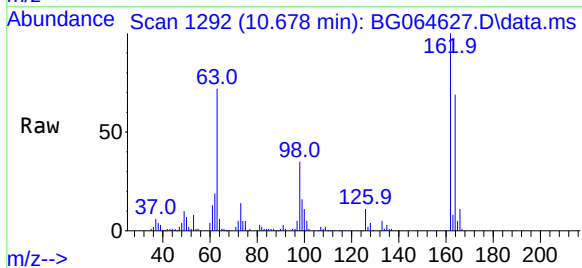
Tgt Ion:162 Resp: 109647

Ion Ratio Lower Upper

162 100

164 68.8 48.7 88.7

98 34.6 16.9 56.9



#30

1,2,4-Trichlorobenzene

Concen: 54.496 ng

RT: 10.901 min Scan# 1330

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

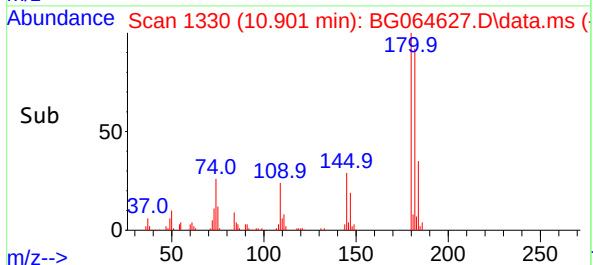
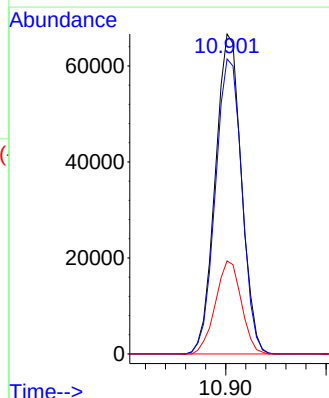
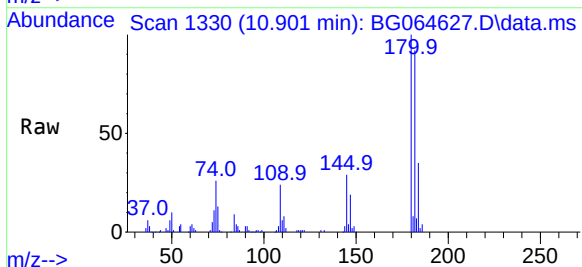
Tgt Ion:180 Resp: 120137

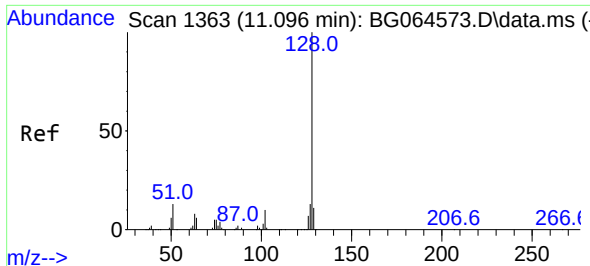
Ion Ratio Lower Upper

180 100

182 92.2 76.9 115.3

145 29.1 22.1 33.1





#31

Naphthalene

Concen: 48.777 ng

RT: 11.095 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

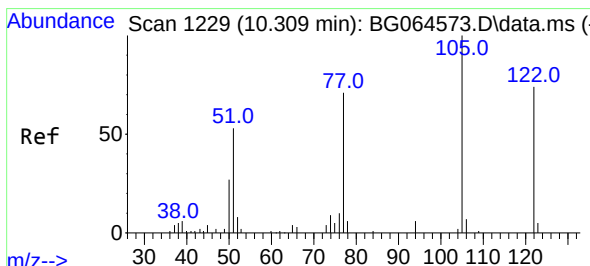
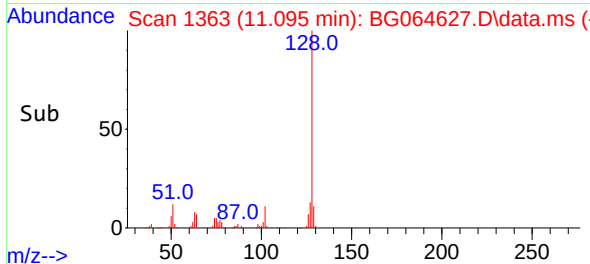
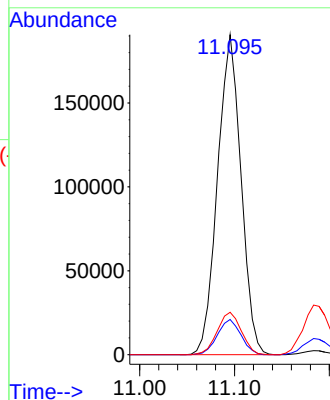
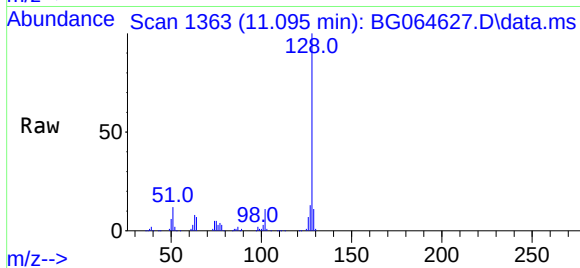
Tgt Ion:128 Resp: 328094

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.3 10.6 15.8



#32

Benzoic acid

Concen: 65.009 ng

RT: 10.320 min Scan# 1231

Delta R.T. -0.022 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

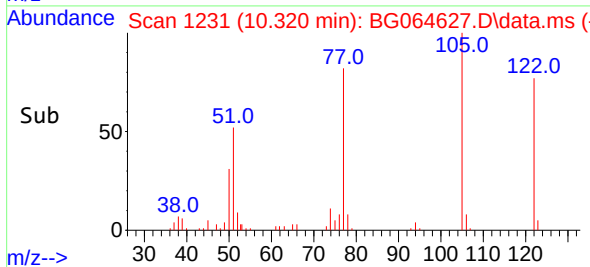
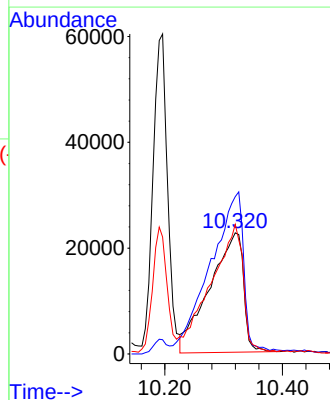
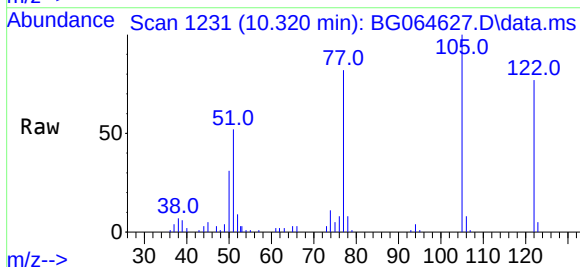
Tgt Ion:122 Resp: 89978

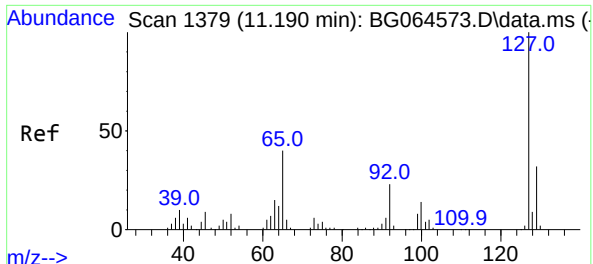
Ion Ratio Lower Upper

122 100

105 129.9 104.2 144.2

77 107.0 70.2 110.2

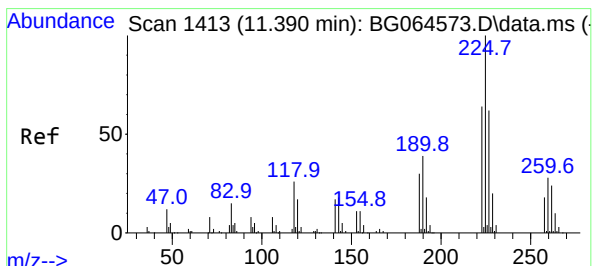
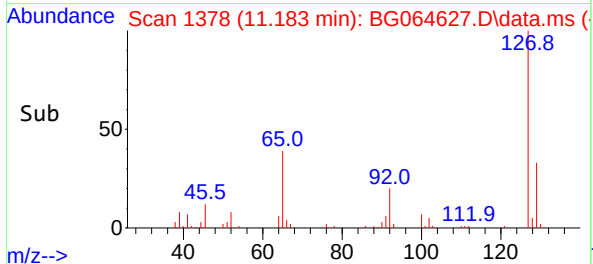
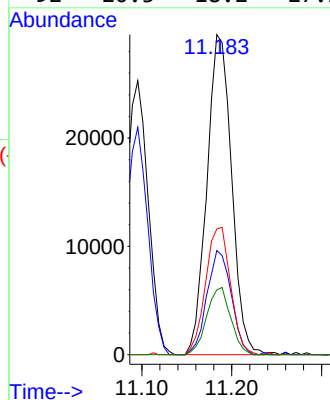
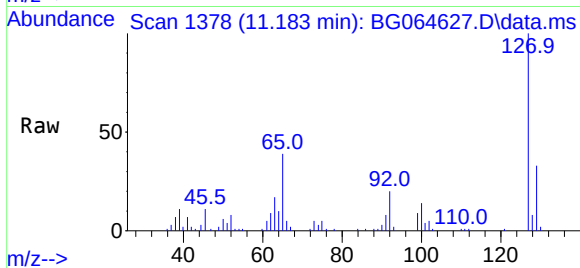




#33
4-Chloroaniline
Concen: 21.618 ng
RT: 11.183 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

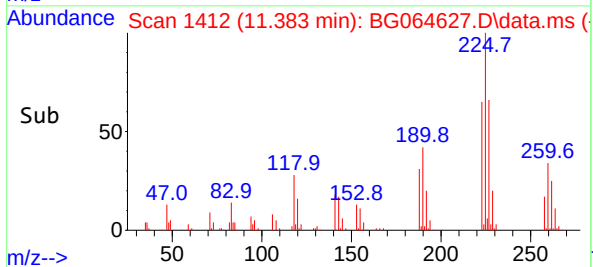
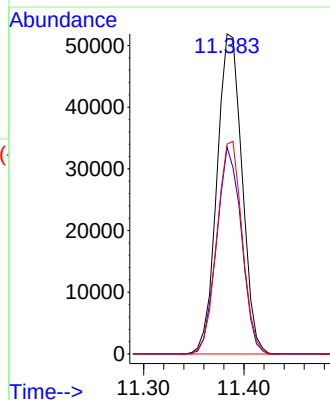
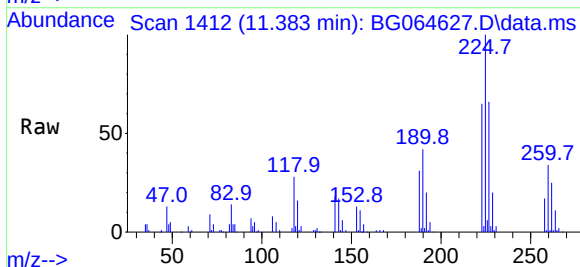
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

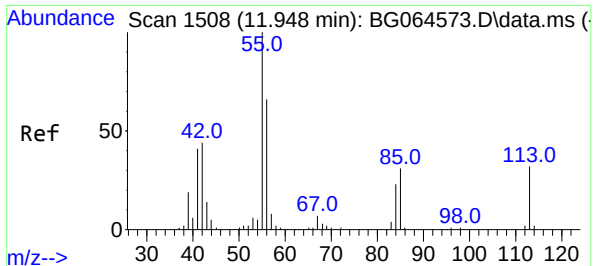
Tgt Ion:	127	Resp:	56519
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.5	38.3
65	39.3	32.2	48.4
92	20.3	18.2	27.2



#34
Hexachlorobutadiene
Concen: 52.062 ng
RT: 11.383 min Scan# 1412
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:	225	Resp:	89758
Ion	Ratio	Lower	Upper
225	100		
223	64.6	48.8	73.2
227	68.7	49.5	74.3

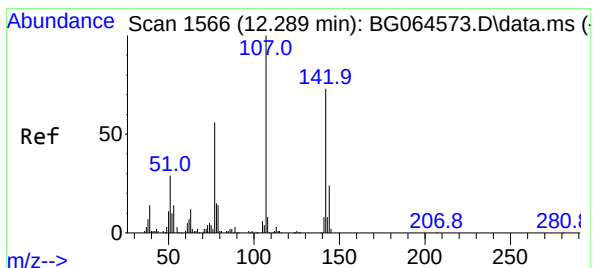
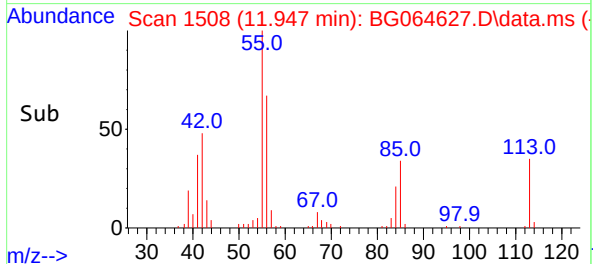
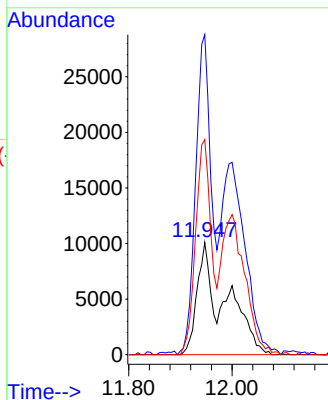
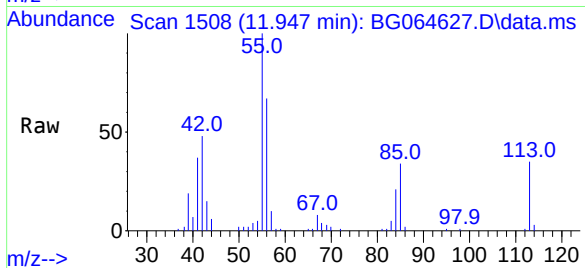




#35
Caprolactam
Concen: 50.401 ng m
RT: 11.947 min Scan# 11
Delta R.T. -0.028 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

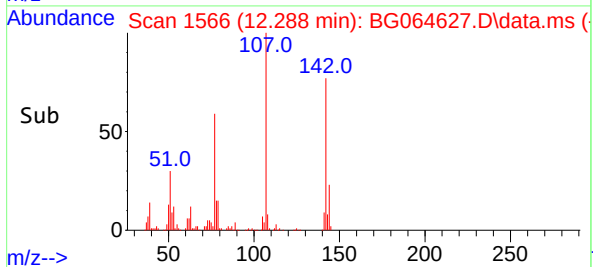
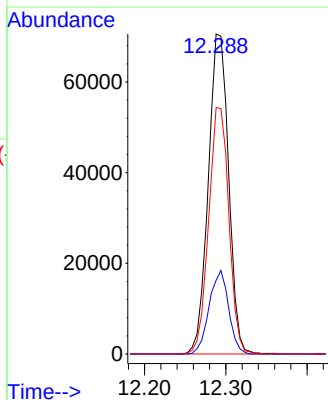
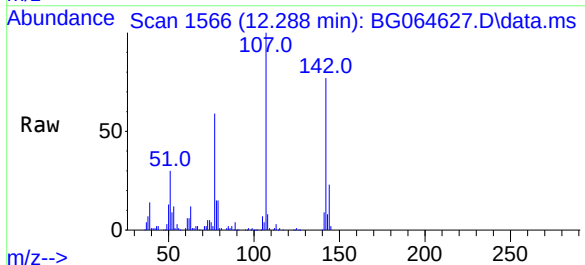
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

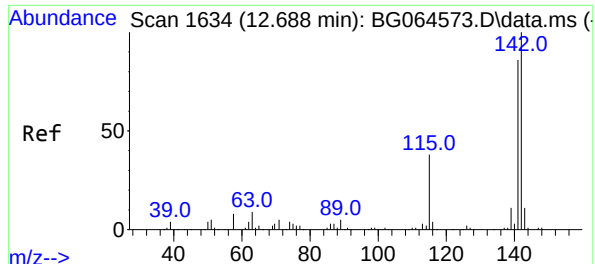
Tgt Ion	Ratio	Lower	Upper
113	100		
55	284.8	290.1	330.1#
56	191.4	183.8	223.8



#36
4-Chloro-3-methylphenol
Concen: 52.585 ng
RT: 12.288 min Scan# 1566
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.0	19.1	28.7
142	77.0	58.6	87.8





#37

2-Methylnaphthalene

Concen: 45.380 ng

RT: 12.688 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

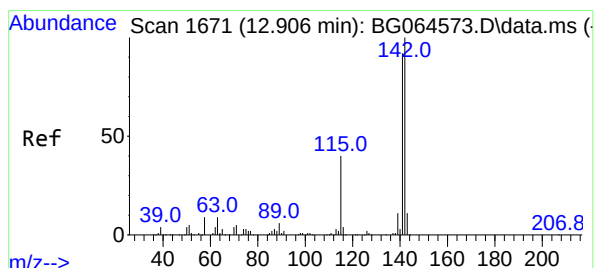
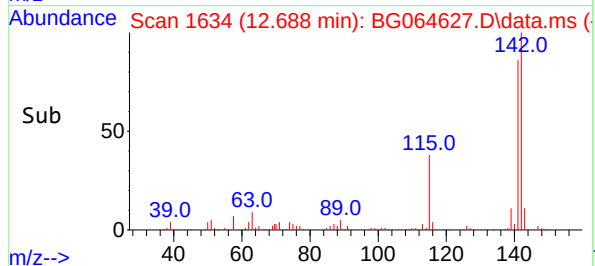
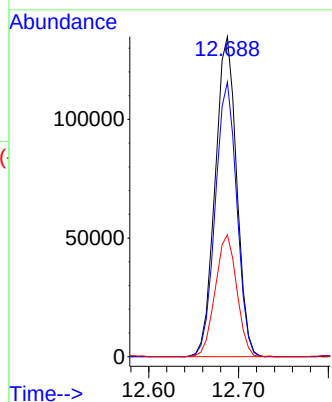
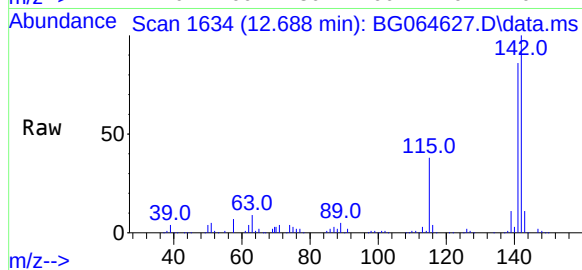
Tgt Ion:142 Resp: 224108

Ion Ratio Lower Upper

142 100

141 85.8 68.9 103.3

115 38.1 30.6 46.0



#38

1-Methylnaphthalene

Concen: 47.679 ng

RT: 12.905 min Scan# 1671

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

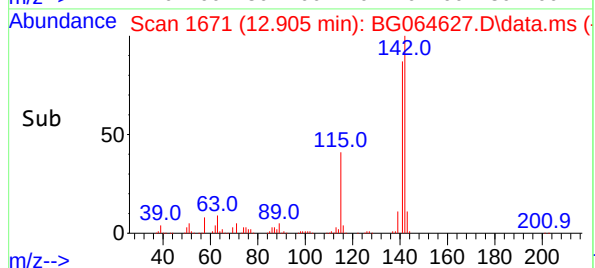
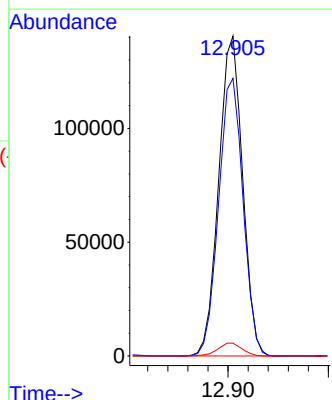
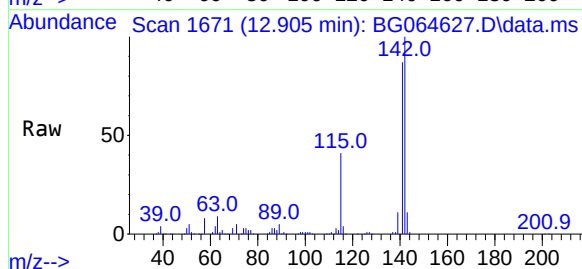
Tgt Ion:142 Resp: 231684

Ion Ratio Lower Upper

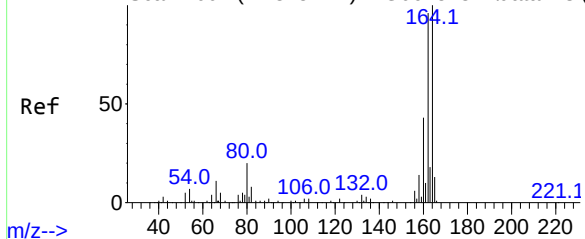
142 100

141 86.8 73.3 109.9

116 4.0 3.1 4.7



Abundance Scan 2001 (14.845 min): BG064573.D\data.ms (



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.838 min Scan# 20

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

Tgt Ion:164 Resp: 93614

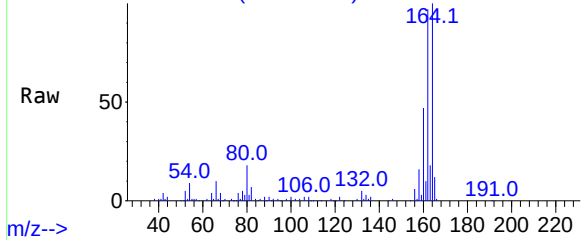
Ion Ratio Lower Upper

164 100

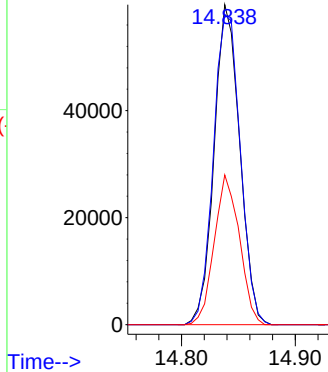
162 96.9 77.0 115.6

160 46.8 34.4 51.6

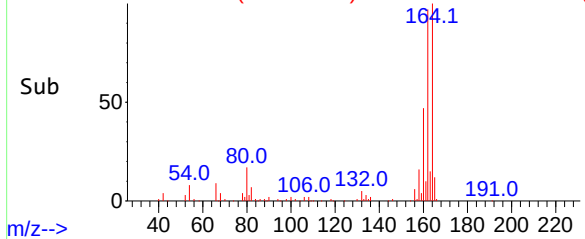
Abundance Scan 2000 (14.838 min): BG064627.D\data.ms



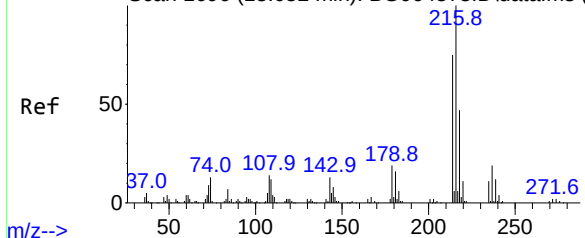
Abundance



Abundance Scan 2000 (14.838 min): BG064627.D\data.ms (



Abundance Scan 1696 (13.052 min): BG064573.D\data.ms (



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.895 ng

RT: 13.046 min Scan# 1695

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion:216 Resp: 181893

Ion Ratio Lower Upper

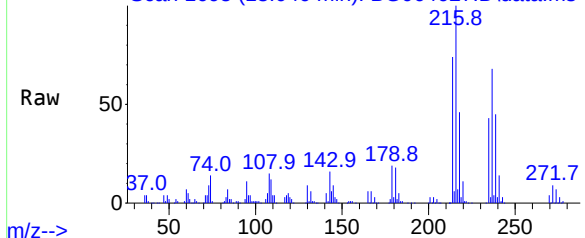
216 100

214 76.0 61.4 92.2

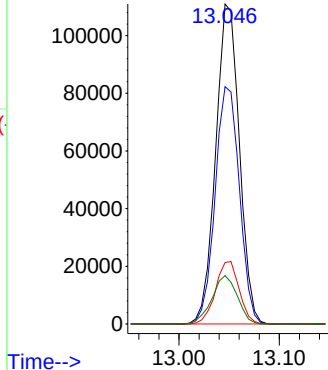
179 19.5 15.4 23.0

108 16.1 11.8 17.6

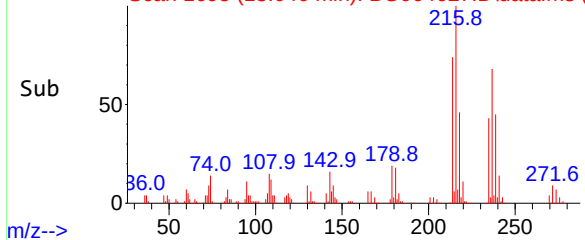
Abundance Scan 1695 (13.046 min): BG064627.D\data.ms

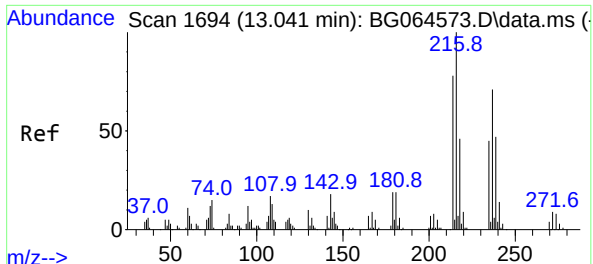


Abundance



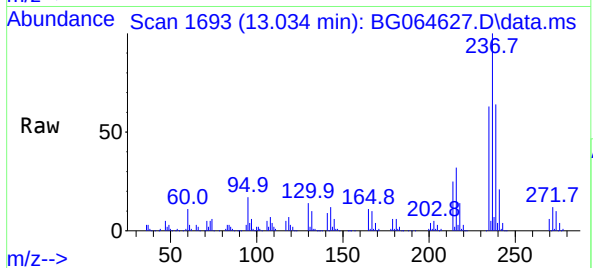
Abundance Scan 1695 (13.046 min): BG064627.D\data.ms (



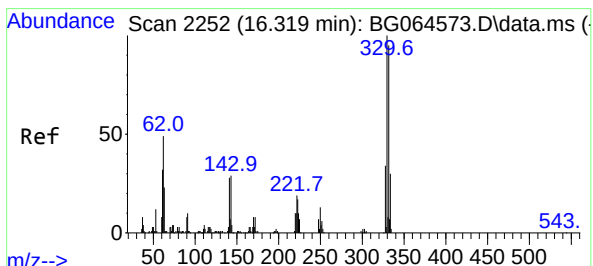
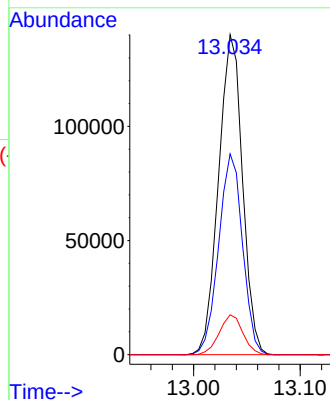
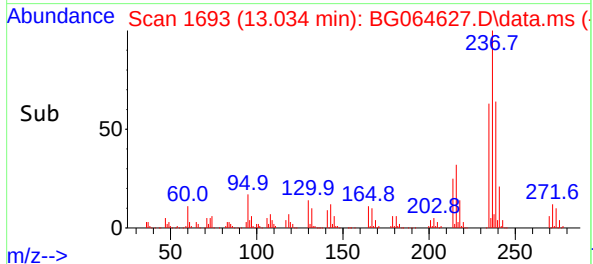


#41
Hexachlorocyclopentadiene
Concen: 154.388 ng
RT: 13.034 min Scan# 1693
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

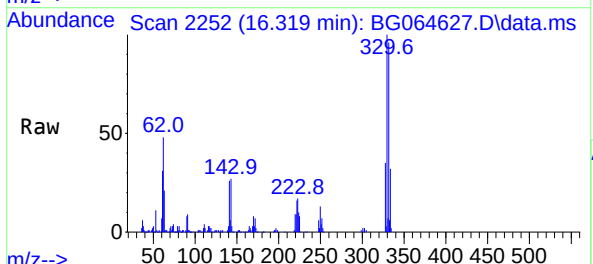
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS



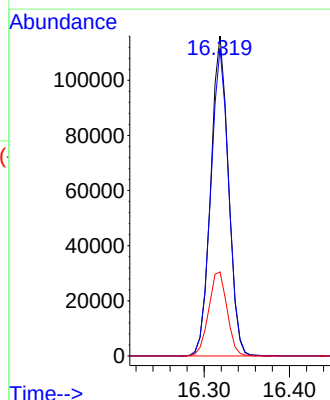
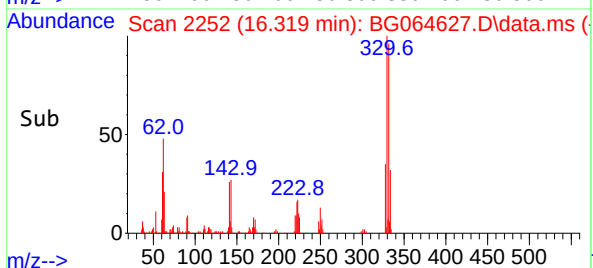
Tgt Ion:237 Resp: 218323
Ion Ratio Lower Upper
237 100
235 62.8 44.1 84.1
272 12.4 0.0 32.4



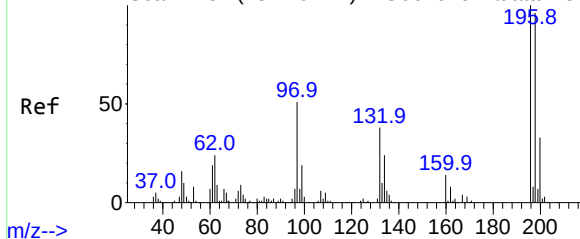
#42
2,4,6-Tribromophenol
Concen: 123.459 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34



Tgt Ion:330 Resp: 166810
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 27.3 21.8 32.6



Abundance Scan 1734 (13.276 min): BG064573.D\data.ms (

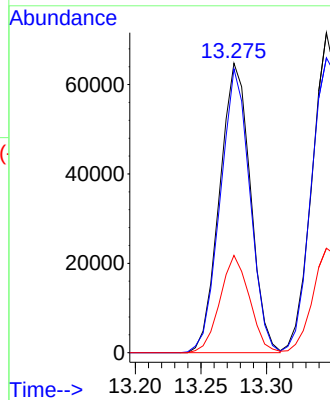
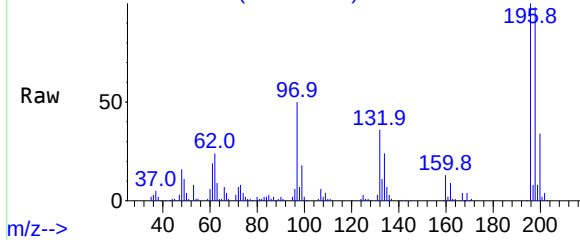


#43
2,4,6-Trichlorophenol
Concen: 58.649 ng
RT: 13.275 min Scan# 1734
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

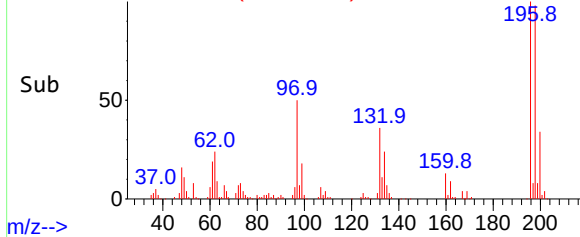
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:196 Resp: 105398
Ion Ratio Lower Upper
196 100
198 98.0 76.6 115.0
200 35.8 26.0 39.0

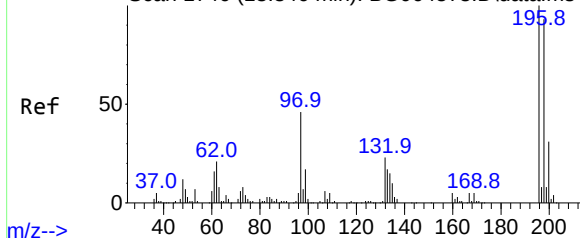
Abundance Scan 1734 (13.275 min): BG064627.D\data.ms



Abundance Scan 1734 (13.275 min): BG064627.D\data.ms (



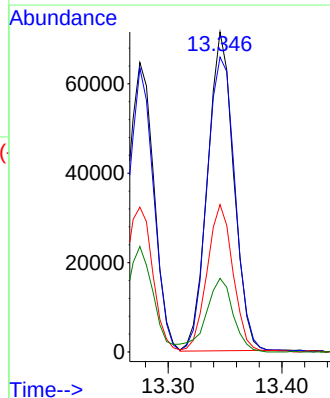
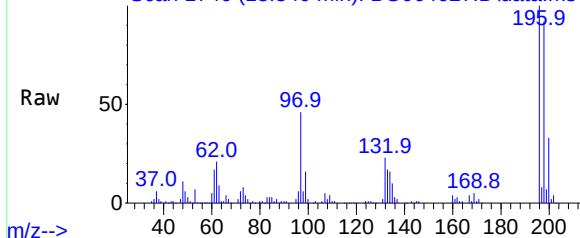
Abundance Scan 1746 (13.346 min): BG064573.D\data.ms (



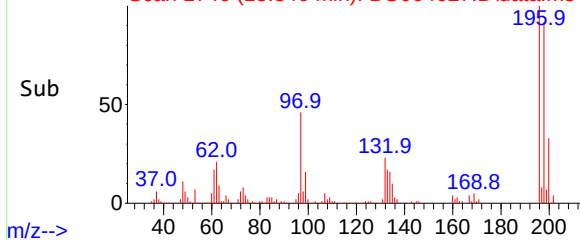
#44
2,4,5-Trichlorophenol
Concen: 55.084 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

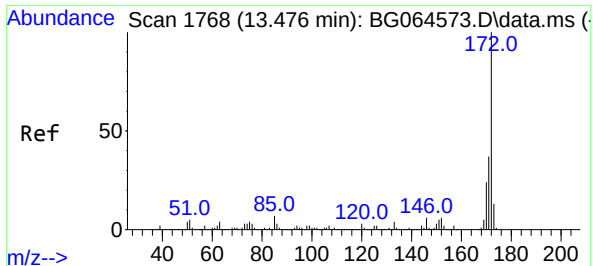
Tgt Ion:196 Resp: 114236
Ion Ratio Lower Upper
196 100
198 92.2 74.2 111.4
97 46.1 37.0 55.6
132 23.0 18.5 27.7

Abundance Scan 1746 (13.346 min): BG064627.D\data.ms



Abundance Scan 1746 (13.346 min): BG064627.D\data.ms (

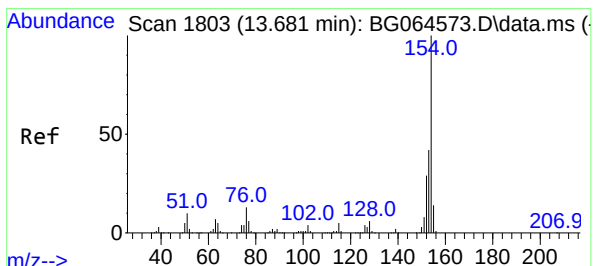
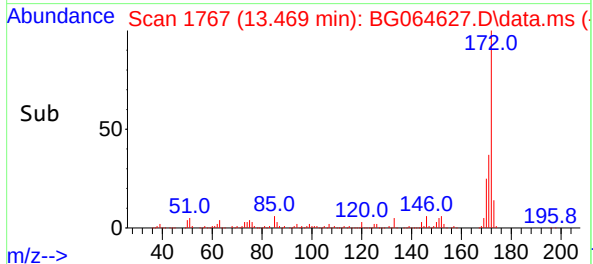
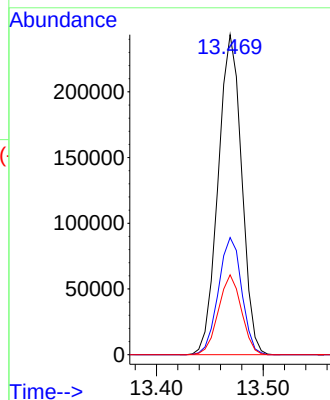
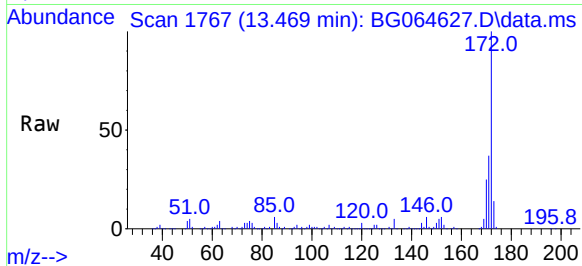




#45
2-Fluorobiphenyl
Concen: 60.330 ng
RT: 13.469 min Scan# 1768
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

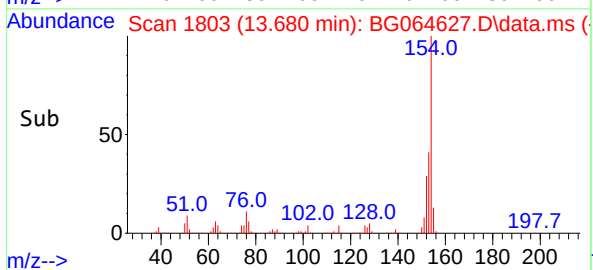
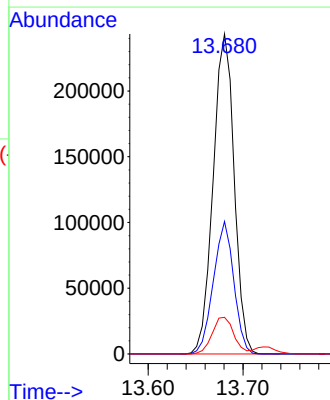
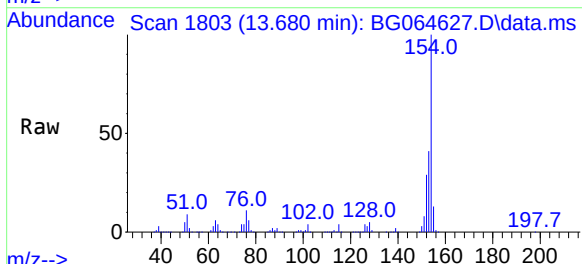
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

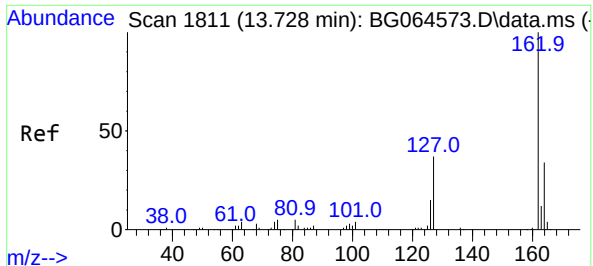
Tgt Ion:172 Resp: 372604
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.9 19.1 28.7



#46
1,1'-Biphenyl
Concen: 56.287 ng
RT: 13.680 min Scan# 1803
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:154 Resp: 374605
Ion Ratio Lower Upper
154 100
153 41.4 22.4 62.4
76 11.4 0.0 33.5





#47

2-Chloronaphthalene

Concen: 50.074 ng

RT: 13.722 min Scan# 1811

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

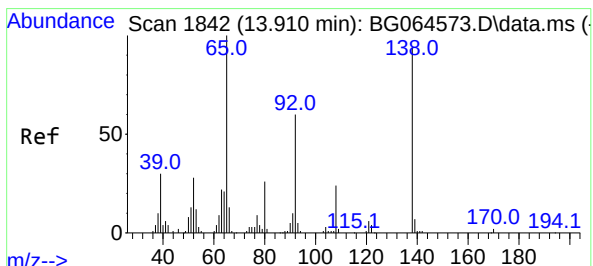
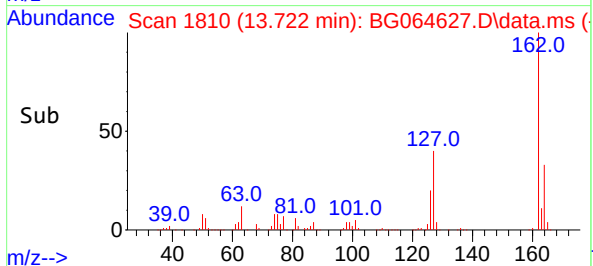
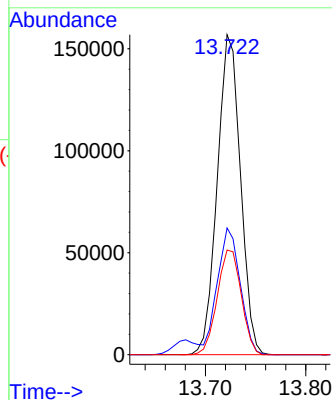
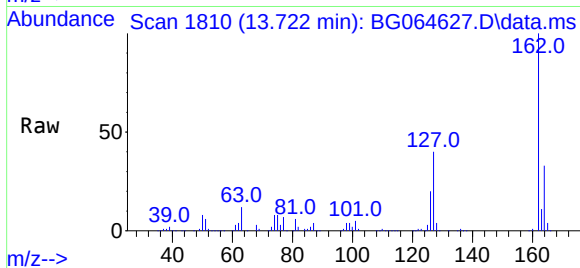
Tgt Ion:162 Resp: 251555

Ion Ratio Lower Upper

162 100

127 39.6 32.2 48.2

164 32.7 27.5 41.3



#48

2-Nitroaniline

Concen: 56.055 ng

RT: 13.910 min Scan# 1842

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

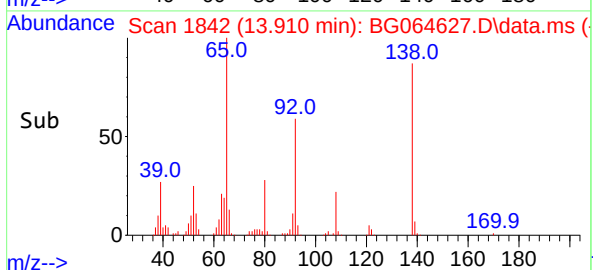
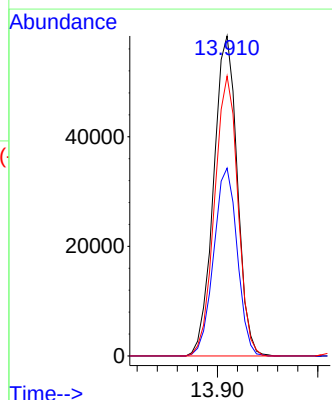
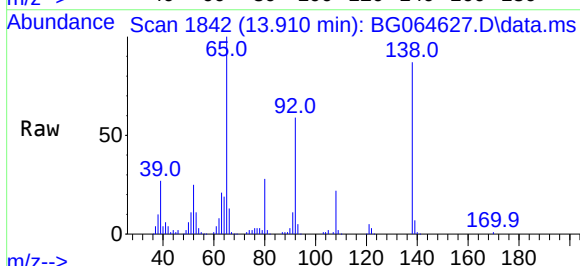
Tgt Ion: 65 Resp: 95513

Ion Ratio Lower Upper

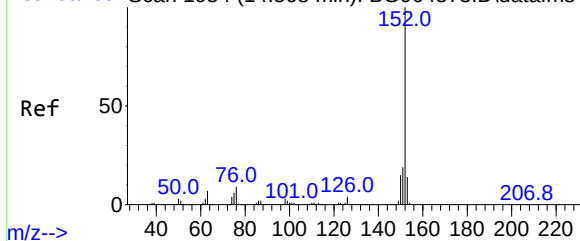
65 100

92 58.7 48.3 72.5

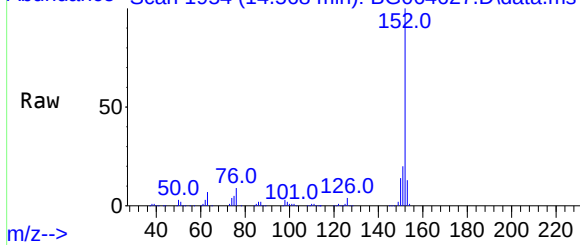
138 87.5 74.9 112.3



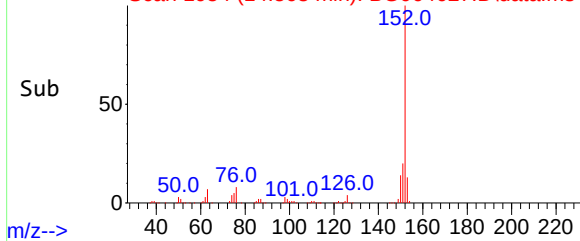
Abundance Scan 1954 (14.568 min): BG064573.D\data.ms (



m/z--> Abundance Scan 1954 (14.568 min): BG064627.D\data.ms



Abundance Scan 1954 (14.568 min): BG064627.D\data.ms (



m/z-->

#49

Acenaphthylene

Concen: 57.112 ng

RT: 14.568 min Scan# 1954

Delta R.T. 0.002 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

Tgt Ion:152 Resp: 452550

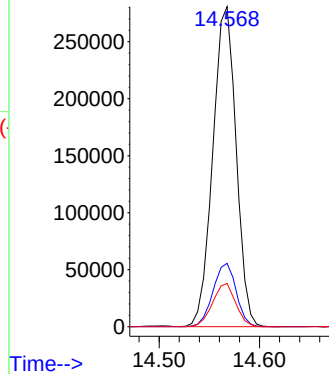
Ion Ratio Lower Upper

152 100

151 19.8 15.4 23.2

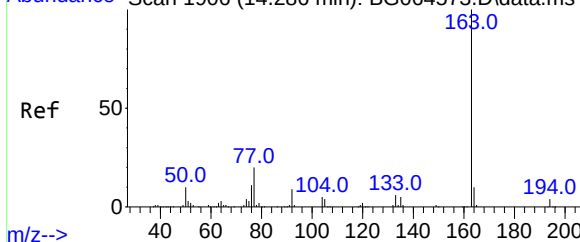
153 13.5 11.0 16.4

Abundance

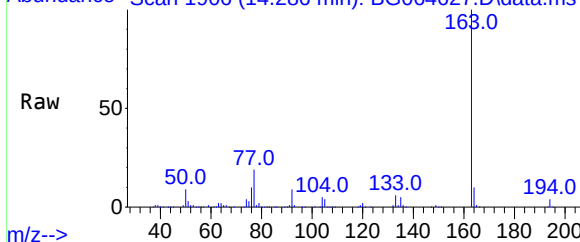


Time-->

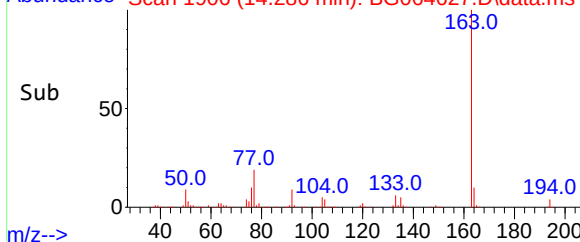
Abundance Scan 1906 (14.286 min): BG064573.D\data.ms (



m/z--> Abundance Scan 1906 (14.286 min): BG064627.D\data.ms



Abundance Scan 1906 (14.286 min): BG064627.D\data.ms (



m/z-->

#50

Dimethylphthalate

Concen: 50.569 ng

RT: 14.286 min Scan# 1906

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion:163 Resp: 362240

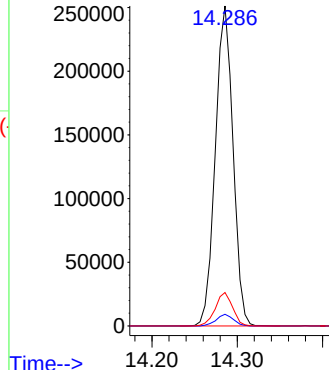
Ion Ratio Lower Upper

163 100

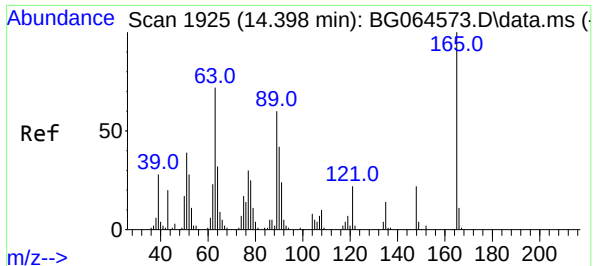
194 3.7 2.8 4.2

164 10.5 7.7 11.5

Abundance



Time-->



#51

2,6-Dinitrotoluene

Concen: 60.623 ng

RT: 14.397 min Scan# 1925

Delta R.T. -0.005 min

Lab File: BG064627.D

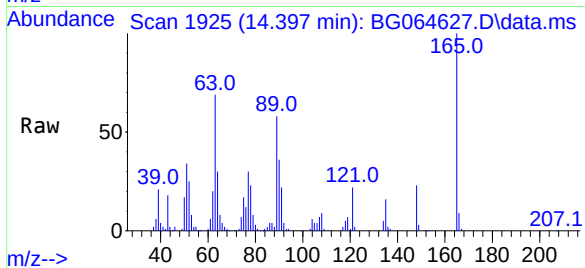
Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS



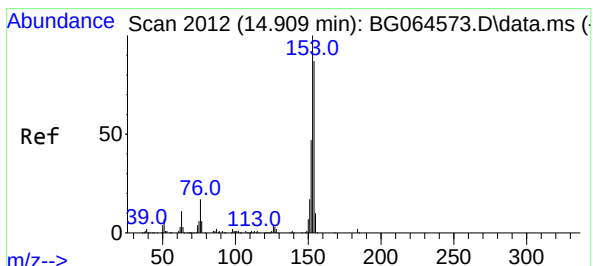
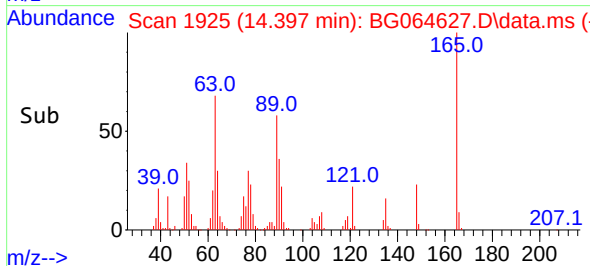
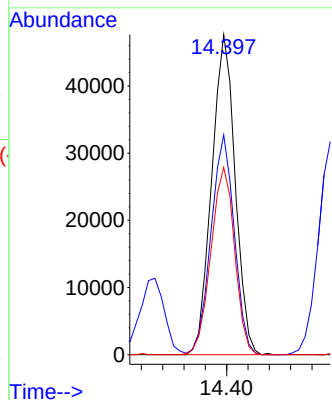
Tgt Ion:165 Resp: 72717

Ion Ratio Lower Upper

165 100

63 68.6 57.4 86.0

89 58.5 47.8 71.8



#52

Acenaphthene

Concen: 57.775 ng

RT: 14.903 min Scan# 2011

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

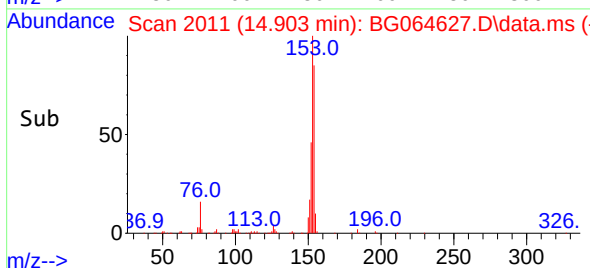
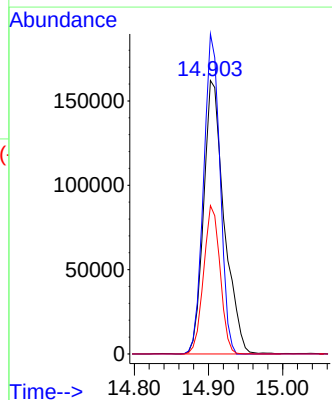
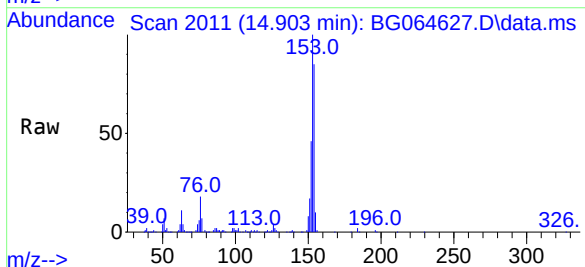
Tgt Ion:154 Resp: 312776

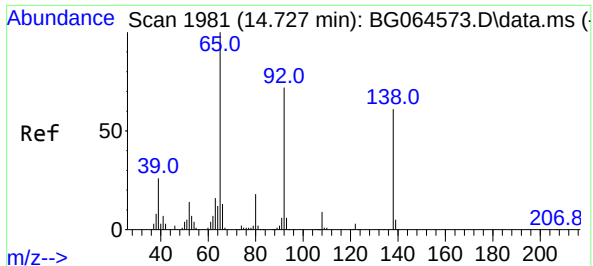
Ion Ratio Lower Upper

154 100

153 117.0 92.2 138.4

152 54.2 43.2 64.8

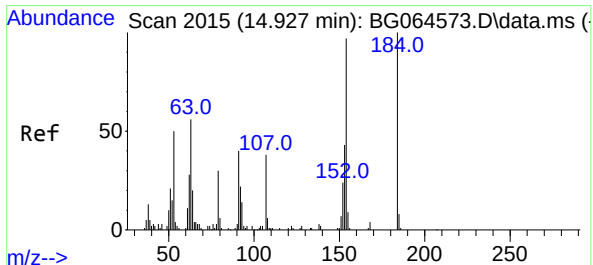
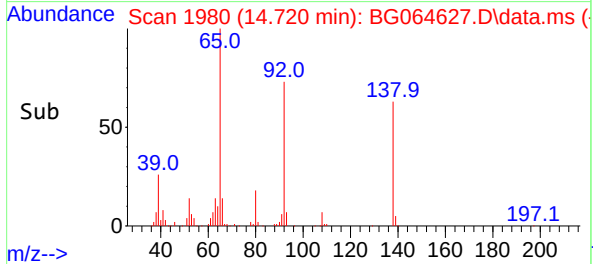
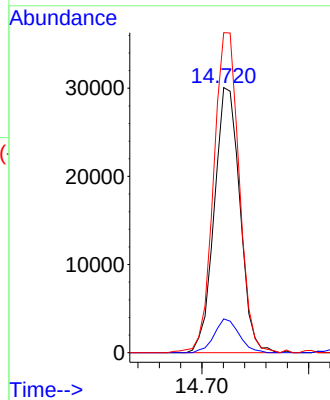
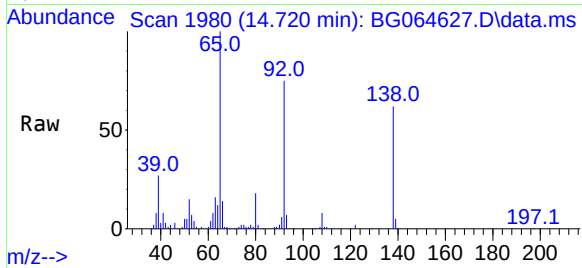




#53
3-Nitroaniline
Concen: 40.637 ng
RT: 14.720 min Scan# 1981
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

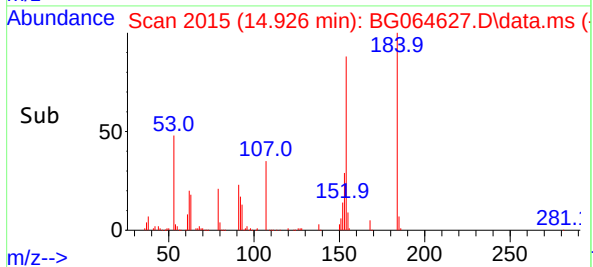
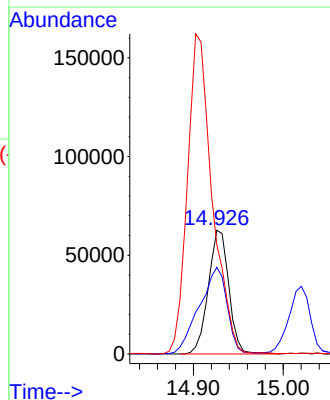
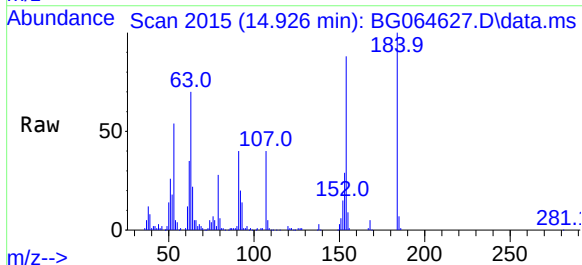
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

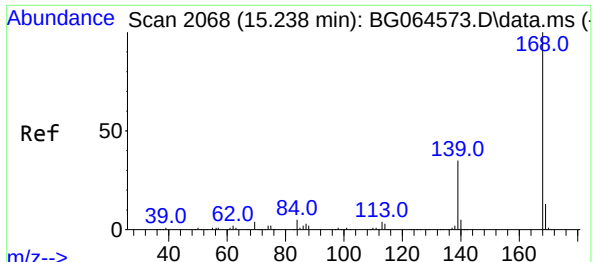
Tgt Ion:138 Resp: 50027
Ion Ratio Lower Upper
138 100
108 12.7 11.4 17.0
92 120.7 95.3 142.9



#54
2,4-Dinitrophenol
Concen: 132.948 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:184 Resp: 99300
Ion Ratio Lower Upper
184 100
63 69.9 56.6 85.0
154 88.2 158.6 238.0#



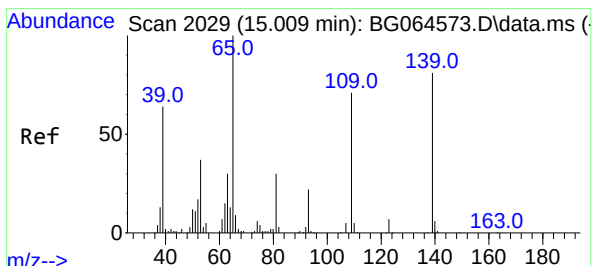
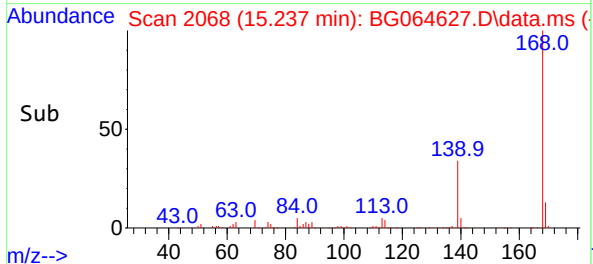
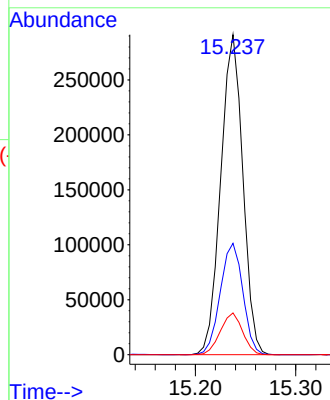
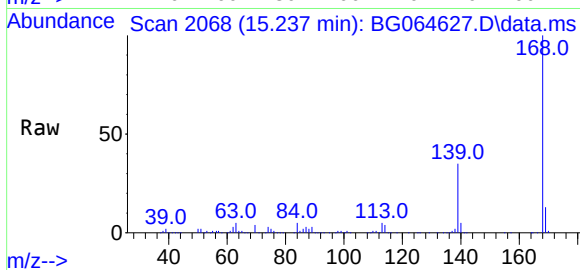


#55
Dibenzofuran
Concen: 50.793 ng
RT: 15.237 min Scan# 2068
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:168 Resp: 444561

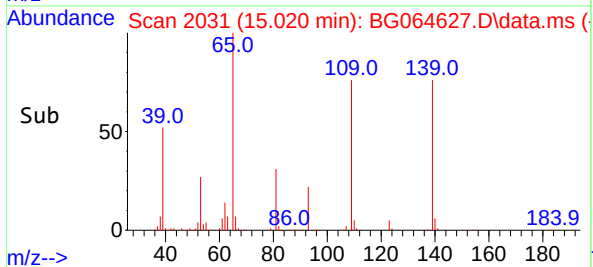
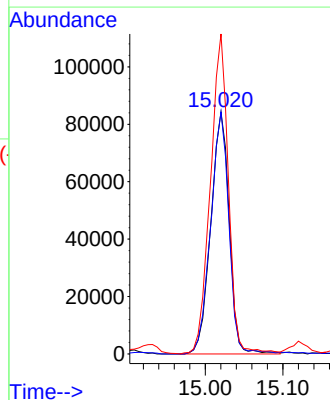
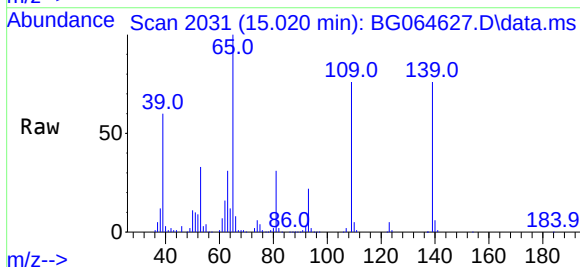
Ion	Ratio	Lower	Upper
168	100		
139	34.8	27.8	41.8
169	13.1	10.3	15.5

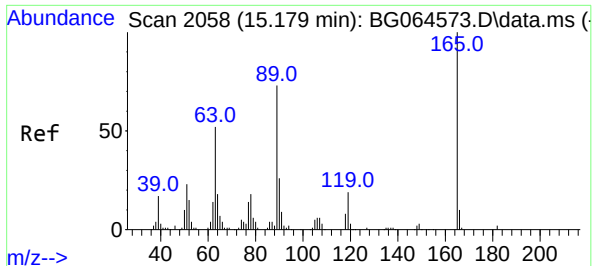


#56
4-Nitrophenol
Concen: 121.914 ng
RT: 15.020 min Scan# 2031
Delta R.T. 0.002 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:139 Resp: 139148

Ion	Ratio	Lower	Upper
139	100		
109	100.0	67.8	107.8
65	132.3	103.7	143.7





#57

2,4-Dinitrotoluene

Concen: 58.491 ng

RT: 15.179 min Scan# 2058

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

Tgt Ion:165 Resp: 108193

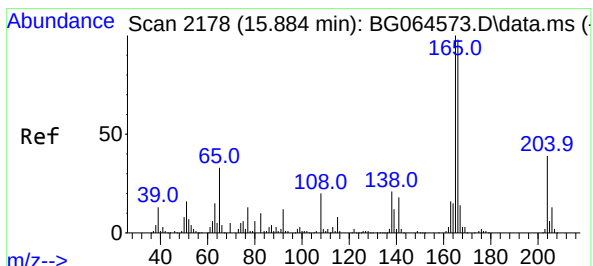
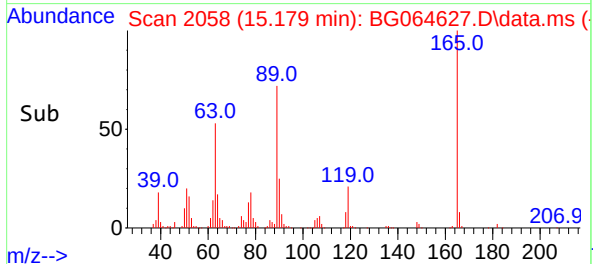
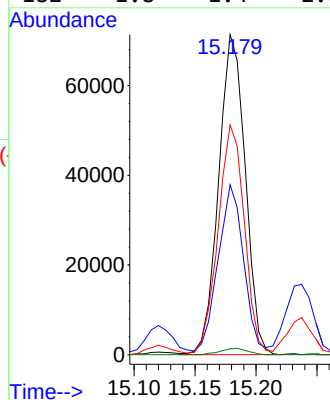
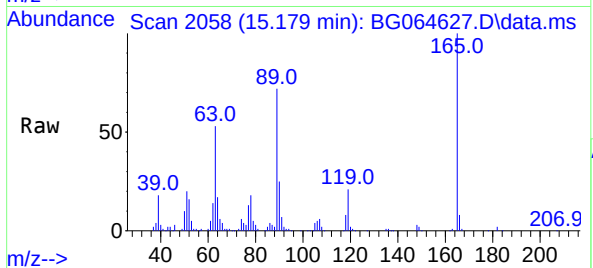
Ion Ratio Lower Upper

165 100

63 53.1 41.8 62.8

89 71.8 58.1 87.1

182 1.8 1.4 2.0



#58

Fluorene

Concen: 50.581 ng

RT: 15.884 min Scan# 2178

Delta R.T. -0.004 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

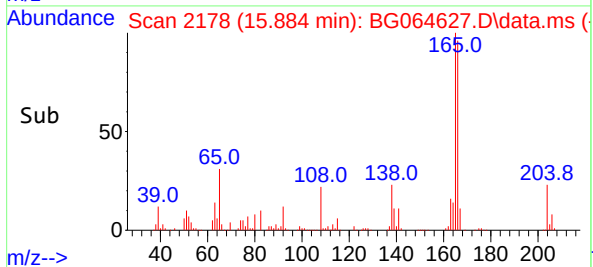
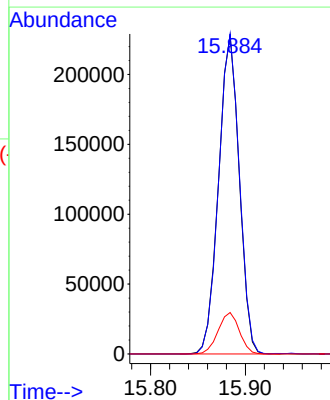
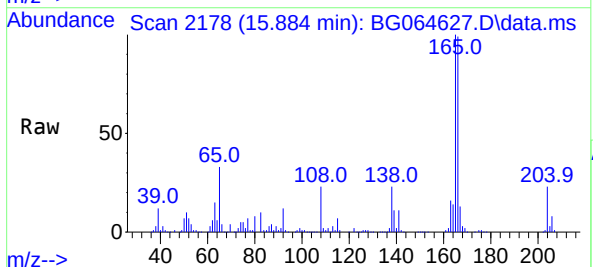
Tgt Ion:166 Resp: 345737

Ion Ratio Lower Upper

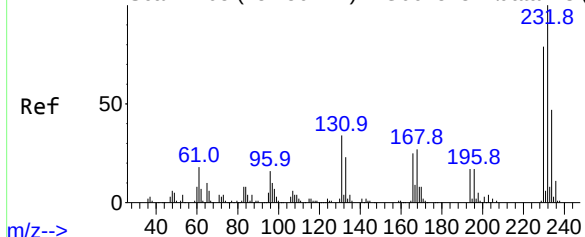
166 100

165 100.5 81.5 122.3

167 13.0 11.4 17.0



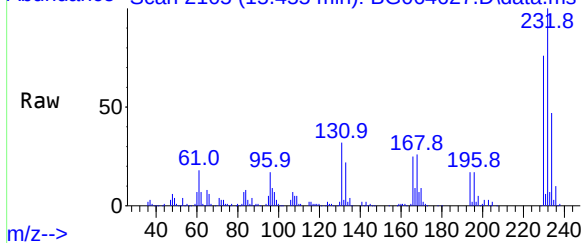
Abundance Scan 2105 (15.456 min): BG064573.D\data.ms (



#59
2,3,4,6-Tetrachlorophenol
Concen: 62.001 ng
RT: 15.455 min Scan# 2105
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

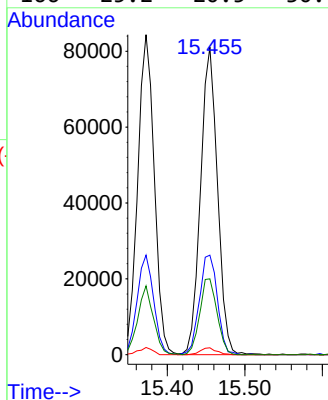
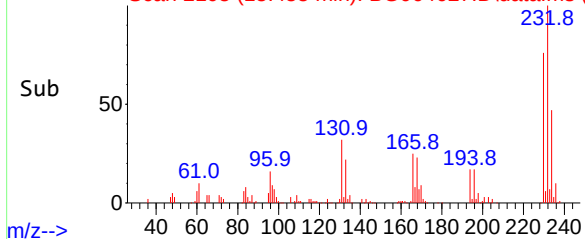
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Abundance Scan 2105 (15.455 min): BG064627.D\data.ms

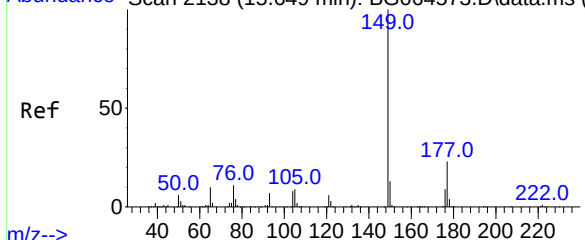


Tgt Ion:232 Resp: 122956
Ion Ratio Lower Upper
232 100
131 34.4 26.7 40.1
130 2.1 1.6 2.4
166 25.2 20.5 30.7

Abundance Scan 2105 (15.455 min): BG064627.D\data.ms (

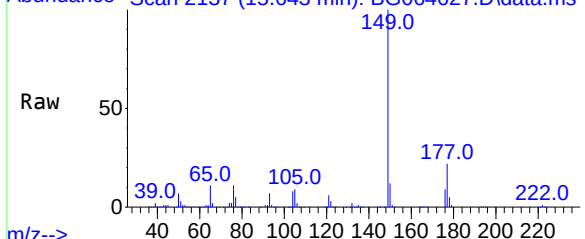


Abundance Scan 2138 (15.649 min): BG064573.D\data.ms (



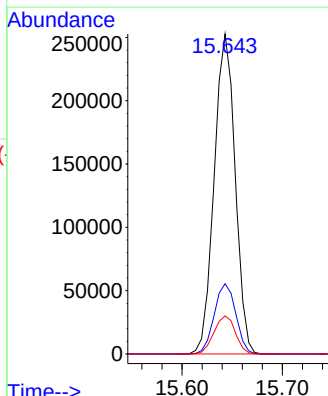
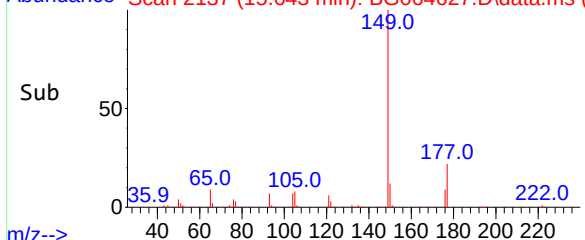
#60
Diethylphthalate
Concen: 50.036 ng
RT: 15.643 min Scan# 2137
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

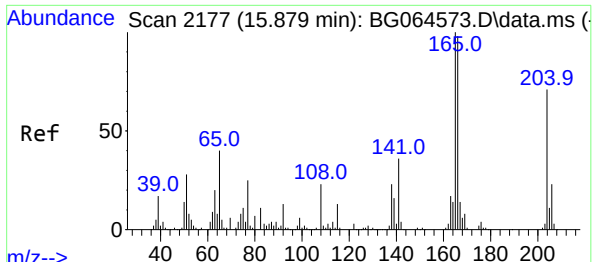
Abundance Scan 2137 (15.643 min): BG064627.D\data.ms



Tgt Ion:149 Resp: 365971
Ion Ratio Lower Upper
149 100
177 21.9 18.0 27.0
150 11.9 10.2 15.4

Abundance Scan 2137 (15.643 min): BG064627.D\data.ms (

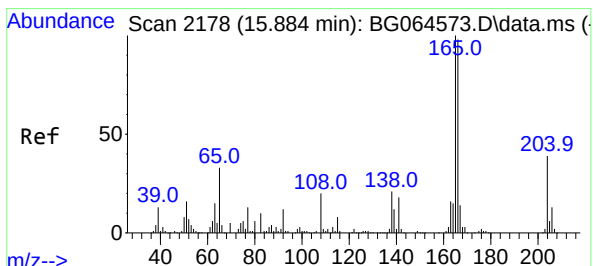
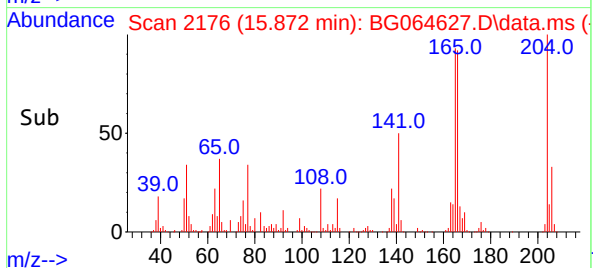
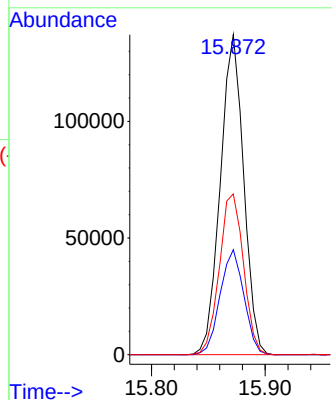
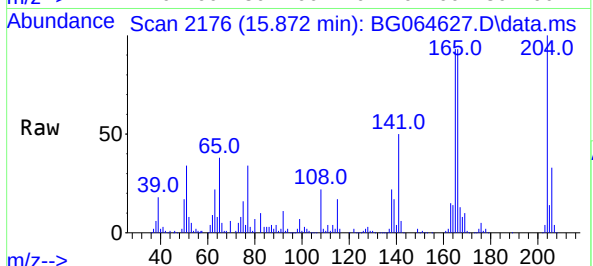




#61
4-Chlorophenyl-phenylether
Concen: 50.956 ng
RT: 15.872 min Scan# 2176
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

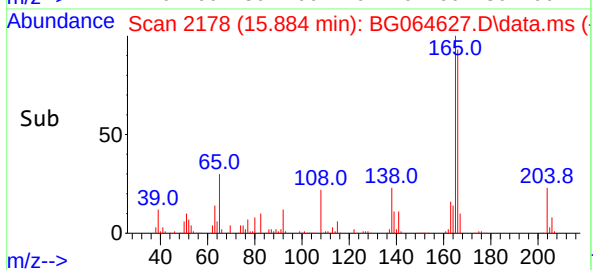
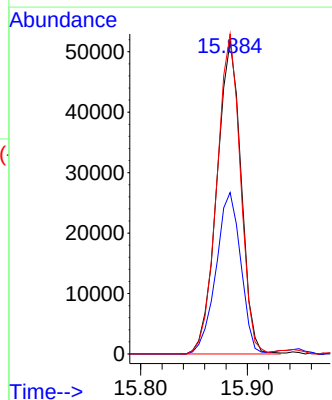
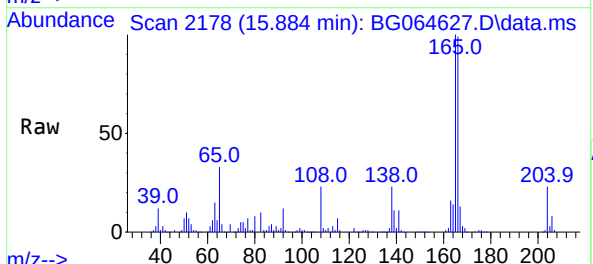
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

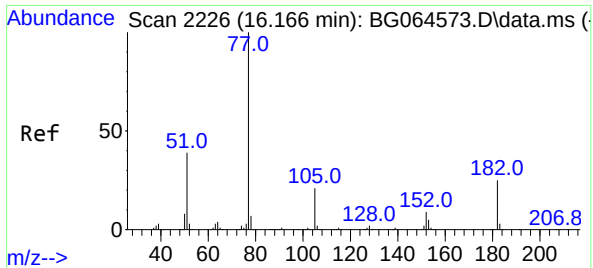
Tgt Ion:204 Resp: 195464
Ion Ratio Lower Upper
204 100
206 32.8 25.6 38.4
141 50.2 40.6 60.8



#62
4-Nitroaniline
Concen: 59.481 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:138 Resp: 81463
Ion Ratio Lower Upper
138 100
92 51.6 36.1 76.1
108 102.3 75.6 115.6

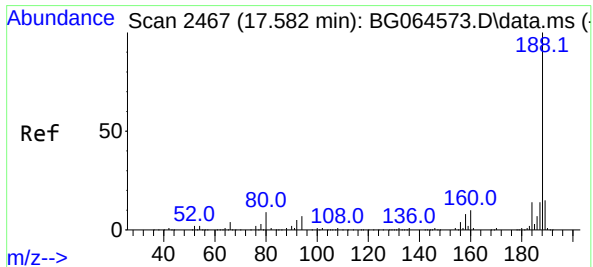
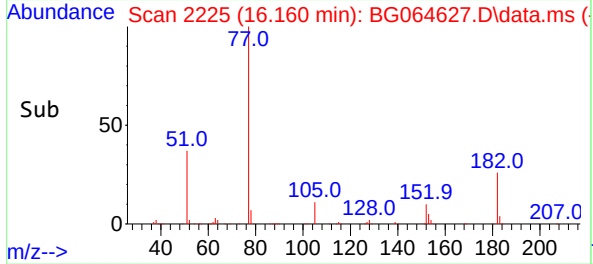
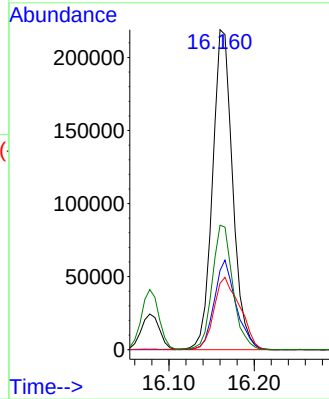
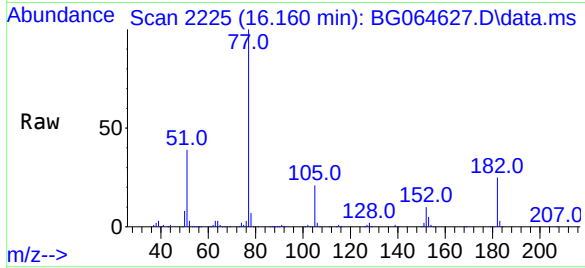




#63
Azobenzene
Concen: 53.492 ng
RT: 16.160 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

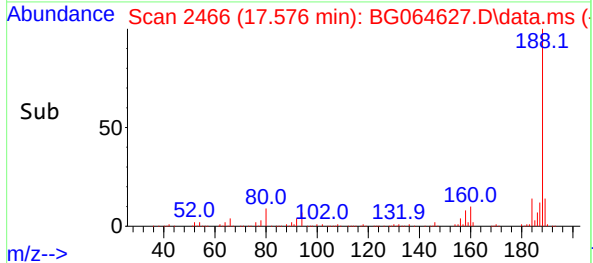
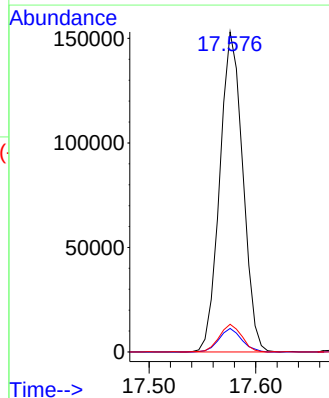
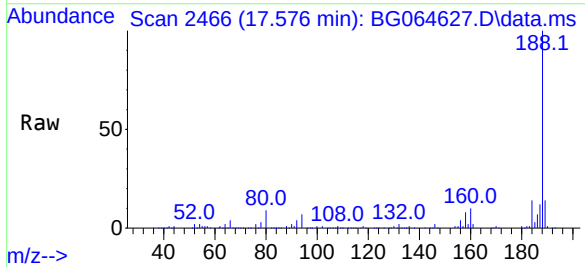
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

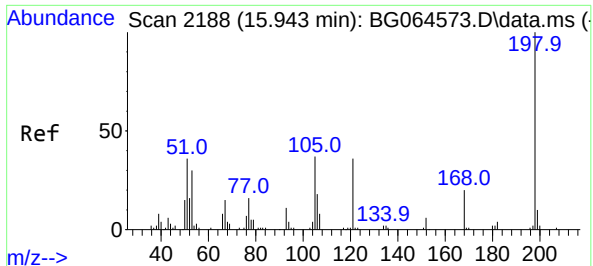
Tgt Ion:	77	Resp:	358981
Ion	Ratio	Lower	Upper
77	100		
182	24.7	4.9	44.9
105	20.7	1.3	41.3
51	38.9	19.0	59.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2466
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:	188	Resp:	229619
Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.7	8.5
80	8.6	6.8	10.2

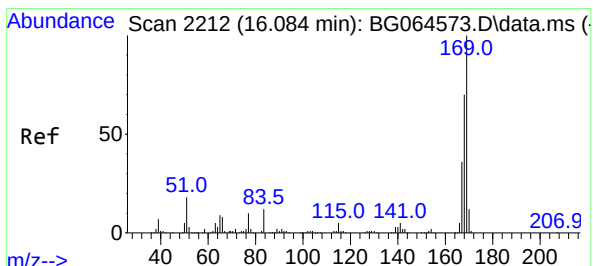
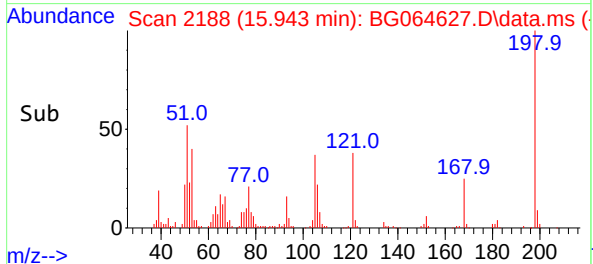
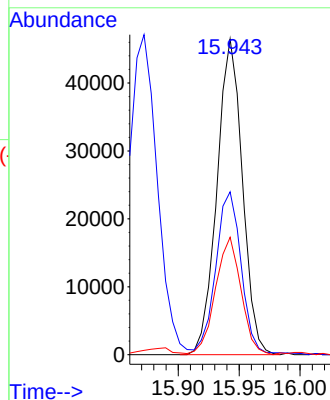
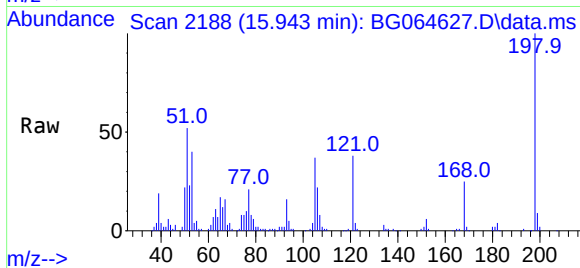




#65
4,6-Dinitro-2-methylphenol
Concen: 64.726 ng
RT: 15.943 min Scan# 2188
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

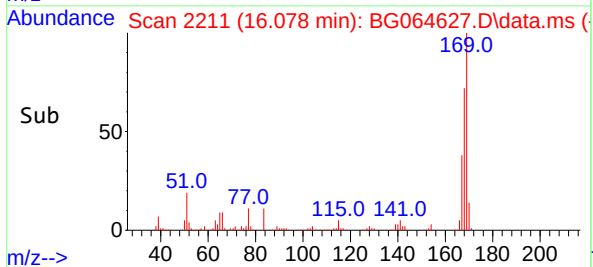
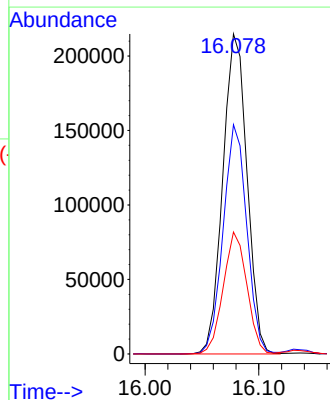
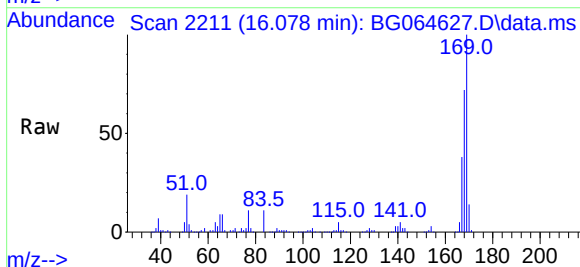
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

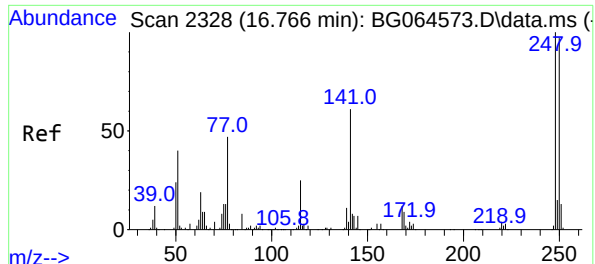
Tgt Ion:198	Resp:	67553
Ion	Ratio	Lower Upper
198	100	
51	51.6	24.7 64.7
105	37.2	18.0 58.0



#66
n-Nitrosodiphenylamine
Concen: 51.265 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:169	Resp:	317977
Ion	Ratio	Lower Upper
169	100	
168	71.6	56.3 84.5
167	38.1	29.0 43.6

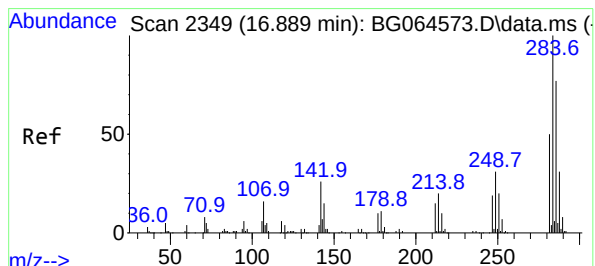
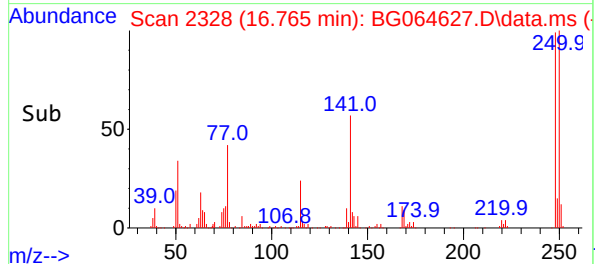
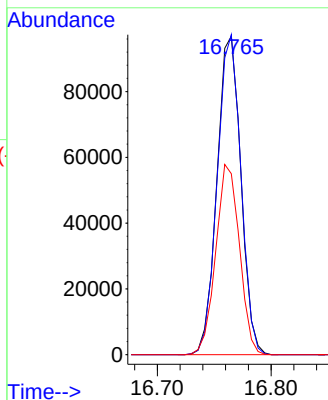
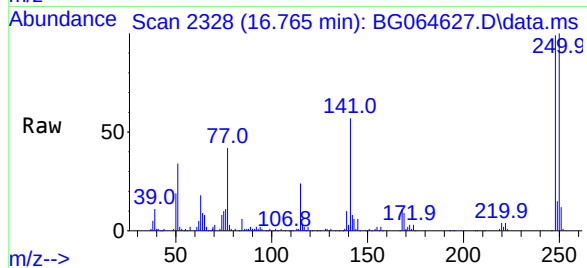




#67
4-Bromophenyl-phenylether
Concen: 52.025 ng
RT: 16.765 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

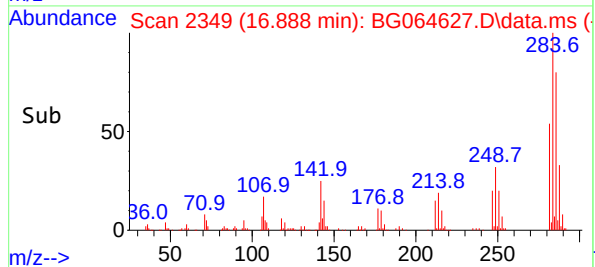
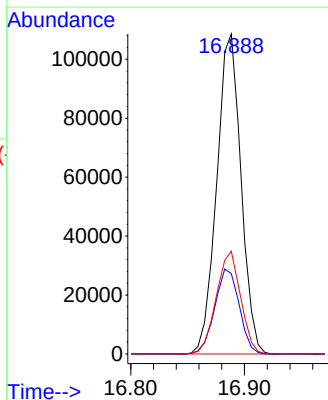
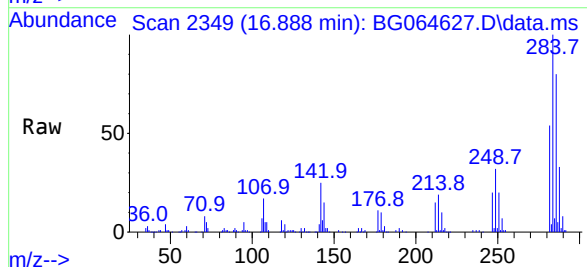
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

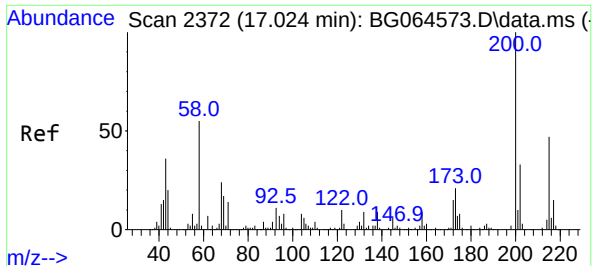
Tgt Ion:248 Resp: 141564
Ion Ratio Lower Upper
248 100
250 100.5 77.7 116.5
141 56.9 48.6 72.8



#68
Hexachlorobenzene
Concen: 51.826 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:284 Resp: 160884
Ion Ratio Lower Upper
284 100
142 25.1 21.0 31.6
249 34.2 24.9 37.3

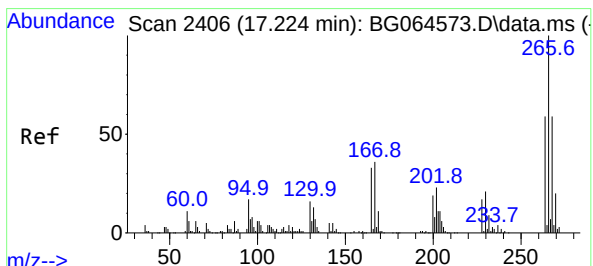
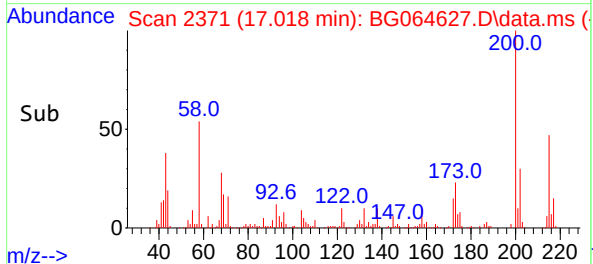
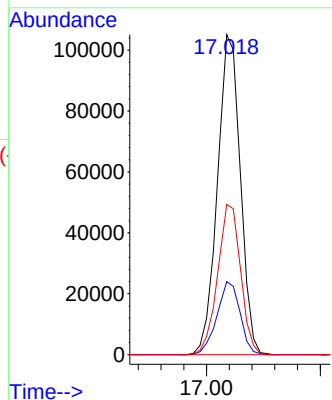
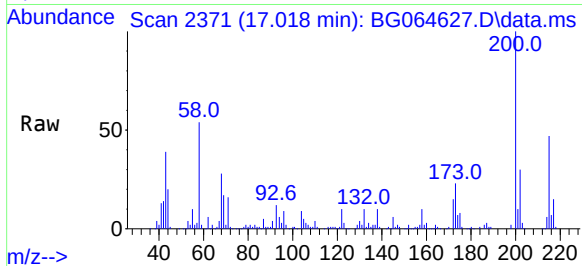




#69
Atrazine
Concen: 55.064 ng
RT: 17.018 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

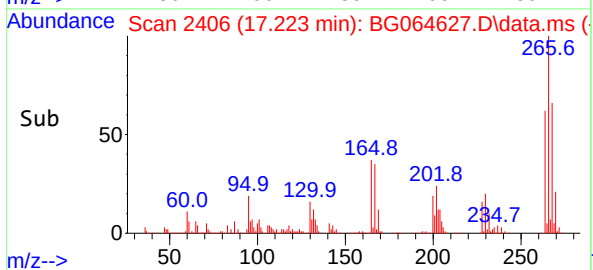
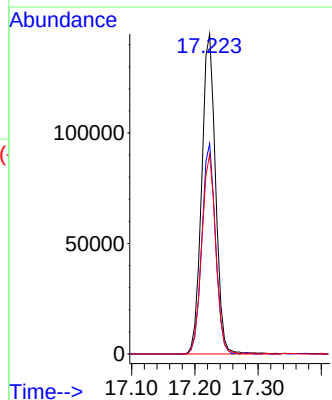
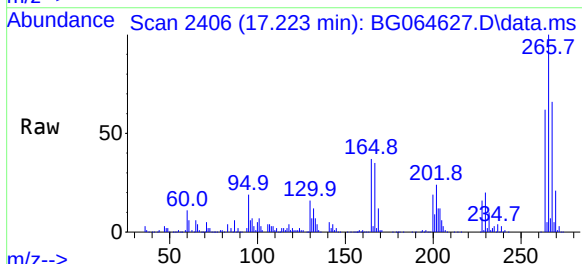
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

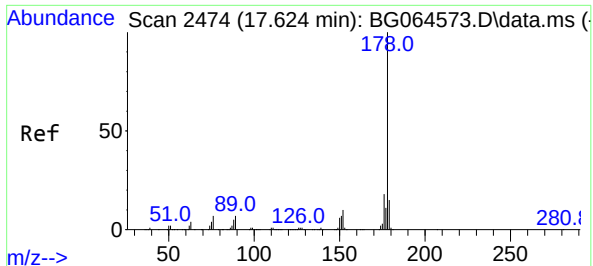
Tgt Ion:200 Resp: 146978
Ion Ratio Lower Upper
200 100
173 22.8 0.9 40.9
215 46.9 27.0 67.0



#70
Pentachlorophenol
Concen: 113.709 ng
RT: 17.223 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:266 Resp: 220117
Ion Ratio Lower Upper
266 100
268 65.7 50.3 75.5
264 62.3 47.3 70.9

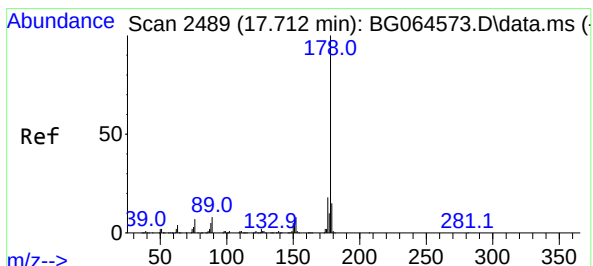
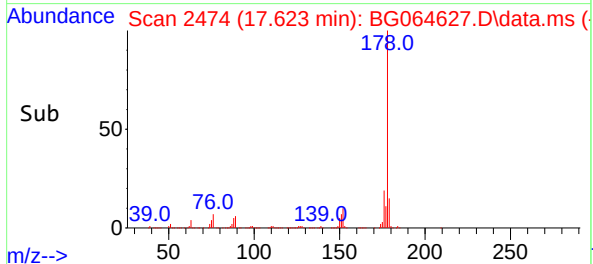
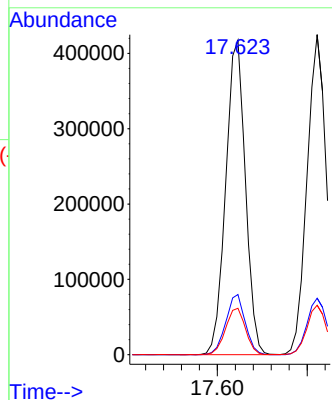
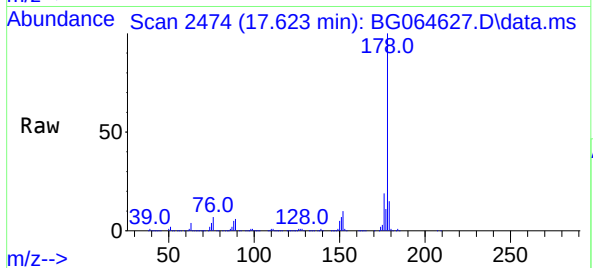




#71
Phenanthrene
Concen: 50.519 ng
RT: 17.623 min Scan# 2474
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

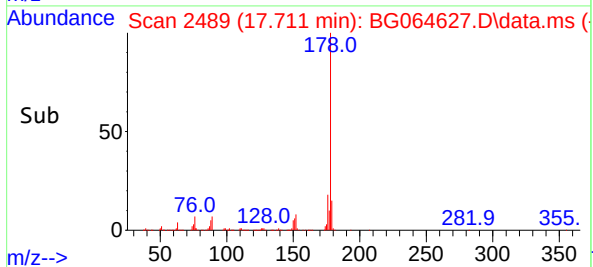
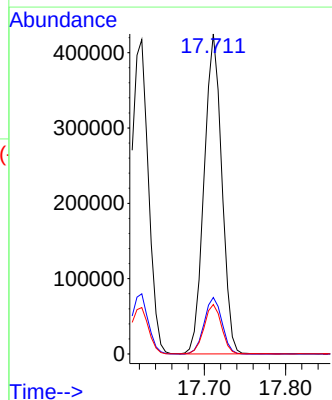
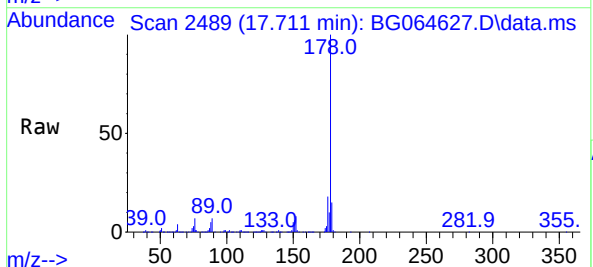
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

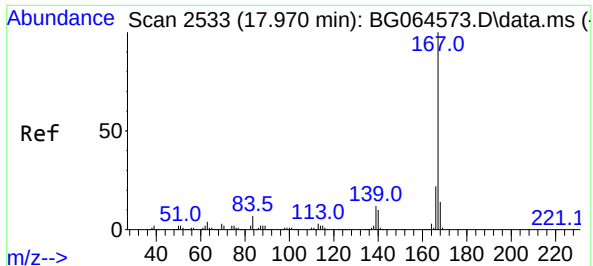
Tgt Ion:178 Resp: 634368
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 14.8 12.2 18.4



#72
Anthracene
Concen: 50.069 ng
RT: 17.711 min Scan# 2489
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:178 Resp: 639545
Ion Ratio Lower Upper
178 100
176 17.6 14.4 21.6
179 15.4 12.4 18.6



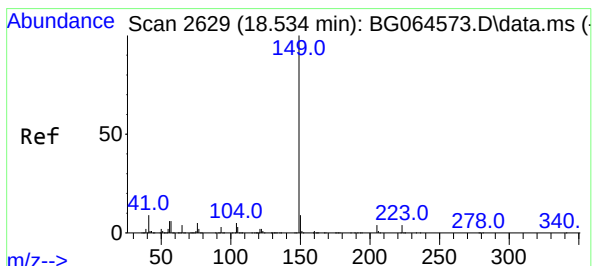
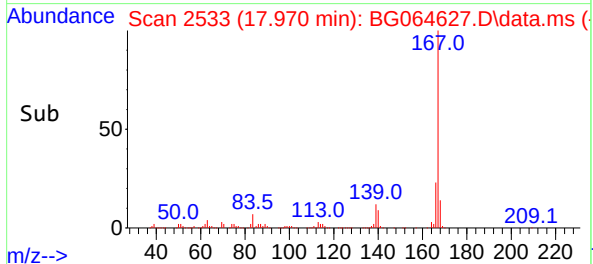
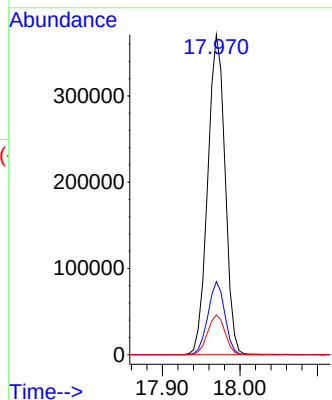
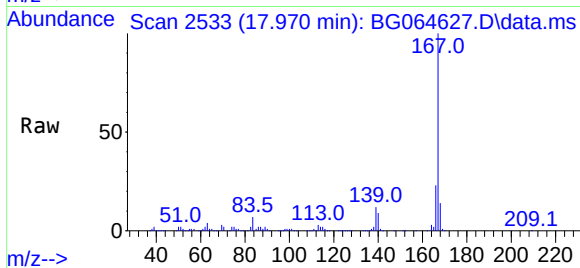


#73
 Carbazole
 Concen: 51.232 ng
 RT: 17.970 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG064627.D
 Acq: 29 Oct 2025 17:34

Instrument :
 BNA_G
 ClientSampleId :
 PR-132-S16-015094-20251021MS

Tgt Ion:167 Resp: 577061

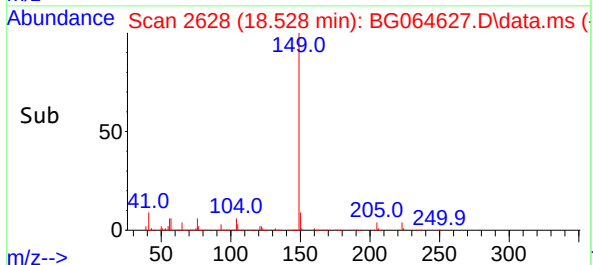
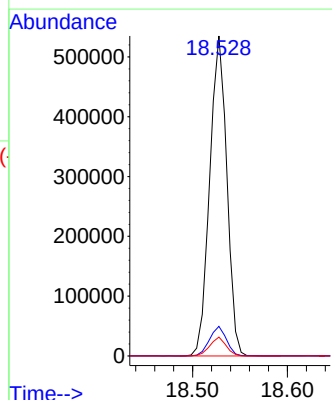
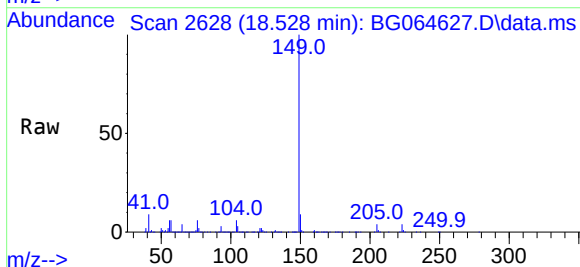
Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.9	26.9
139	12.4	9.7	14.5

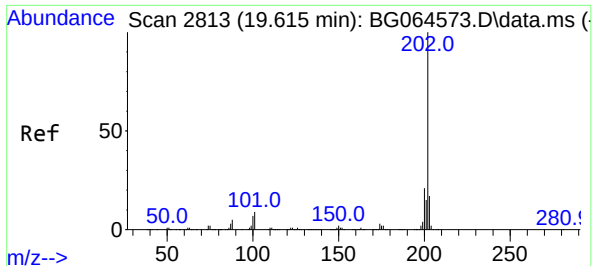


#74
 Di-n-butylphthalate
 Concen: 51.496 ng
 RT: 18.528 min Scan# 2628
 Delta R.T. -0.010 min
 Lab File: BG064627.D
 Acq: 29 Oct 2025 17:34

Tgt Ion:149 Resp: 670737

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.6
104	5.9	4.1	6.1

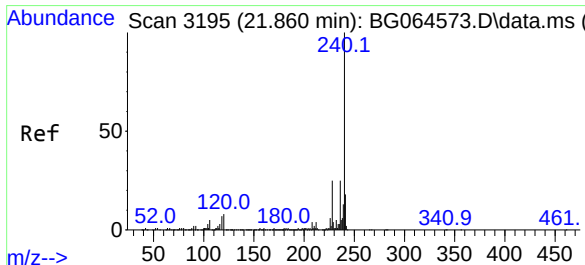
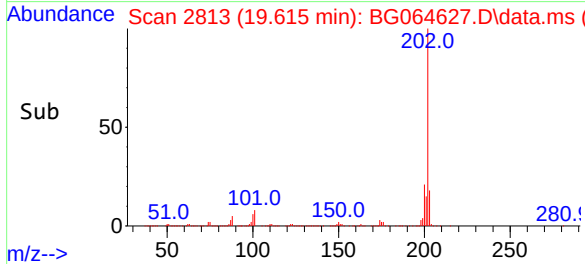
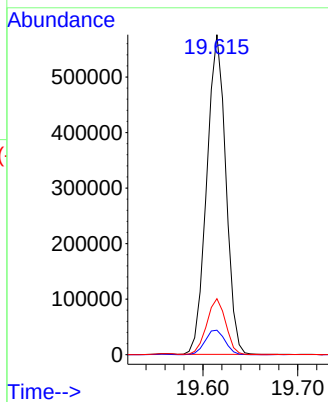
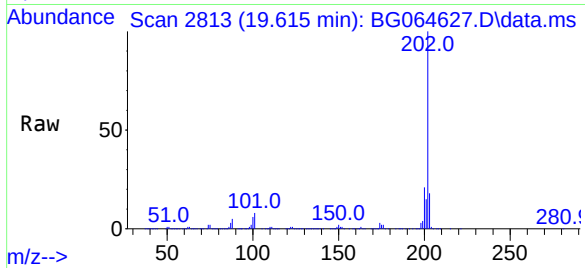




#75
Fluoranthene
Concen: 51.033 ng
RT: 19.615 min Scan# 2813
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

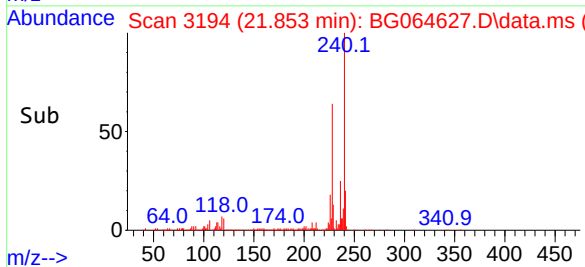
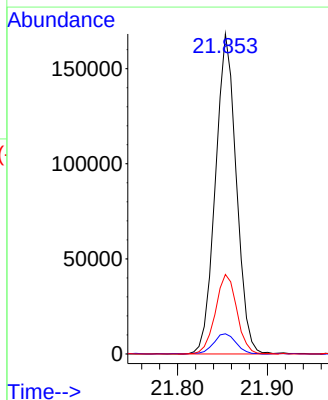
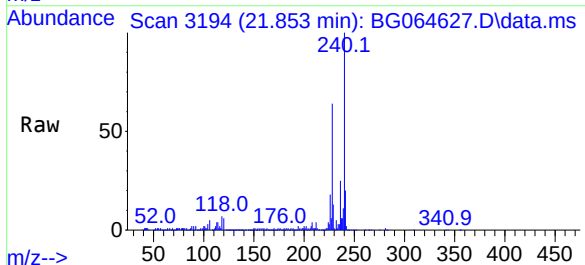
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

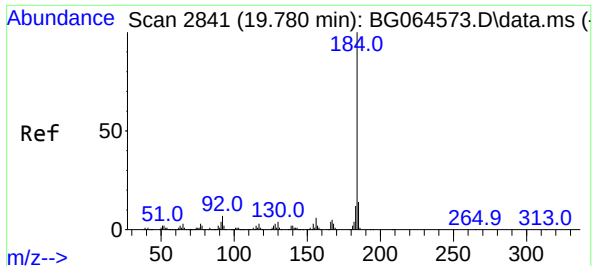
Tgt Ion:	202	Resp:	802773
Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	28.7
203	17.5	0.0	37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.853 min Scan# 3194
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:	240	Resp:	271892
Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.5	9.7#
236	24.8	20.2	30.2

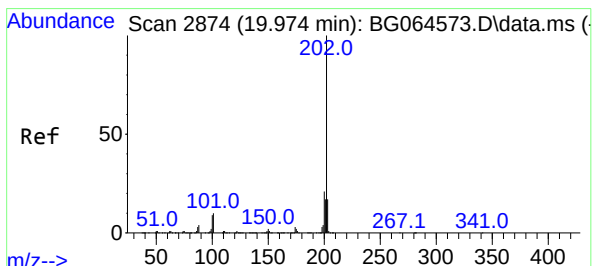
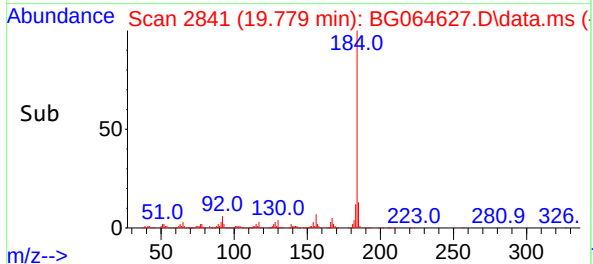
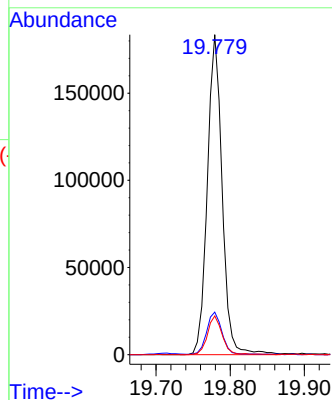
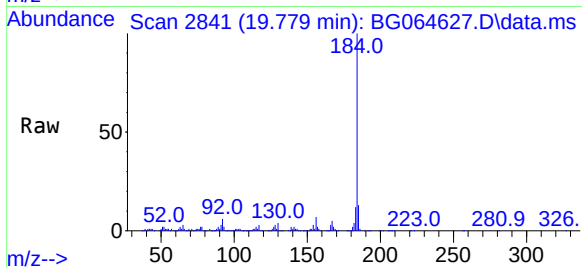




#77
Benzidine
Concen: 41.873 ng
RT: 19.779 min Scan# 2841
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

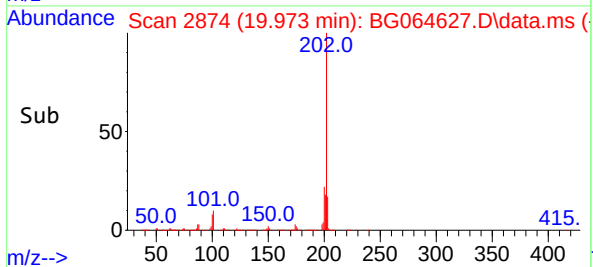
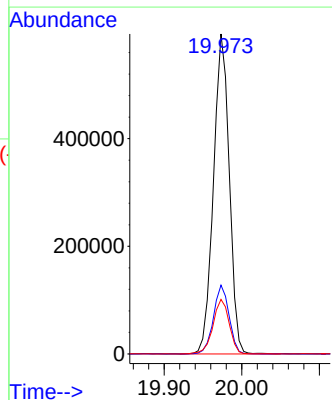
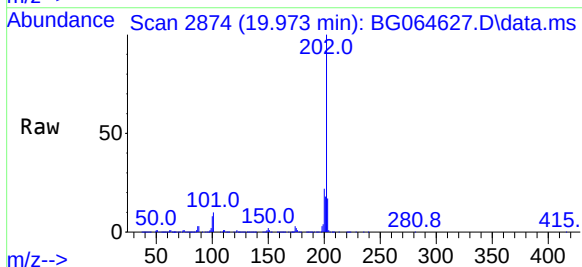
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

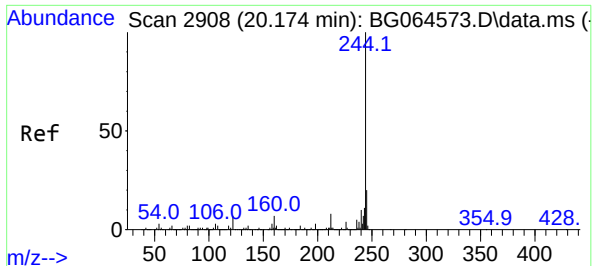
Tgt Ion:184 Resp: 255069
Ion Ratio Lower Upper
184 100
185 13.3 11.4 17.2
183 12.1 9.4 14.2



#78
Pyrene
Concen: 47.400 ng
RT: 19.973 min Scan# 2874
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:202 Resp: 842015
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 17.1 13.8 20.6





#79

Terphenyl-d14

Concen: 60.445 ng

RT: 20.167 min Scan# 2908

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS

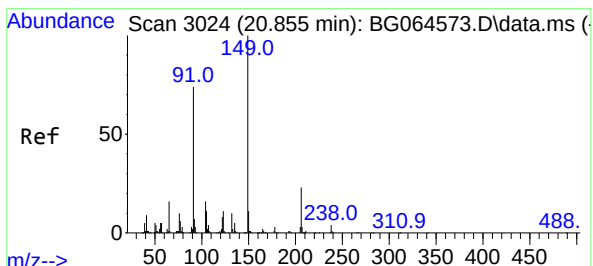
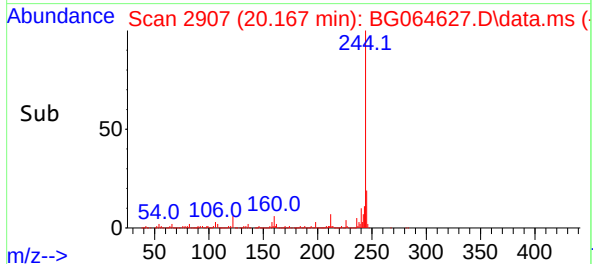
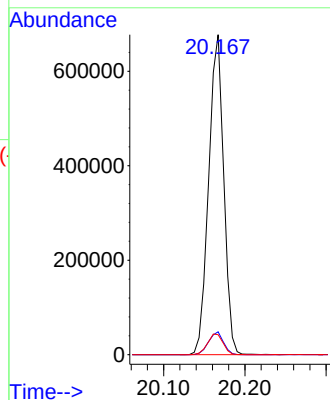
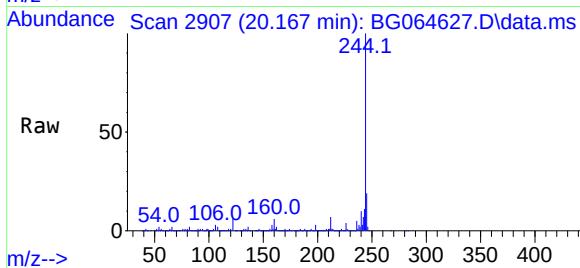
Tgt Ion:244 Resp: 870859

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.3 5.6 8.4



#80

Butylbenzylphthalate

Concen: 57.734 ng

RT: 20.849 min Scan# 3023

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

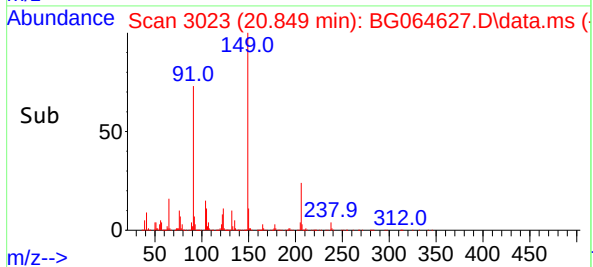
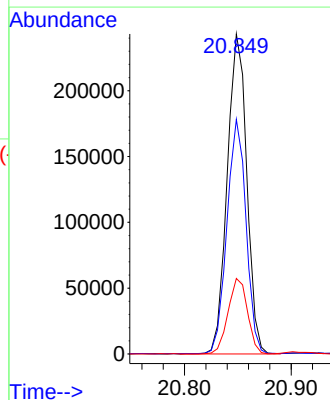
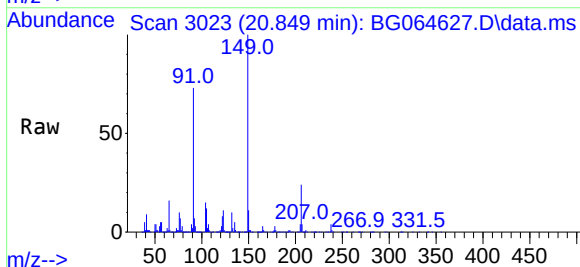
Tgt Ion:149 Resp: 309969

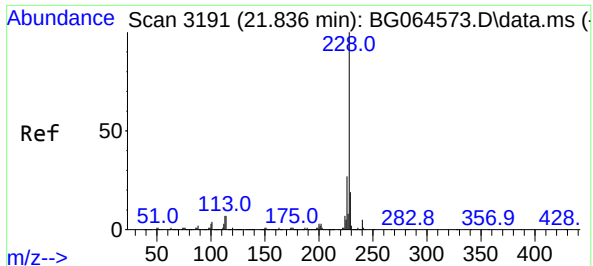
Ion Ratio Lower Upper

149 100

91 73.3 59.2 88.8

206 23.6 18.1 27.1

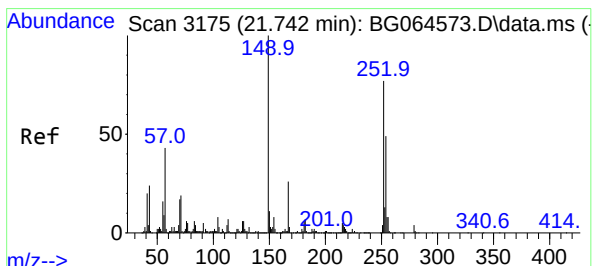
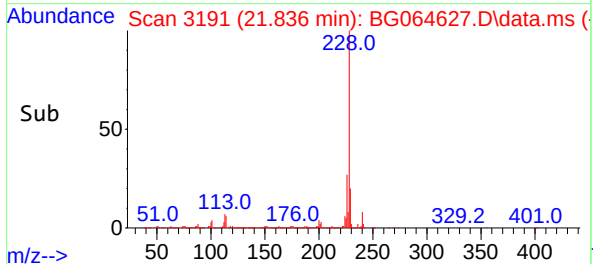
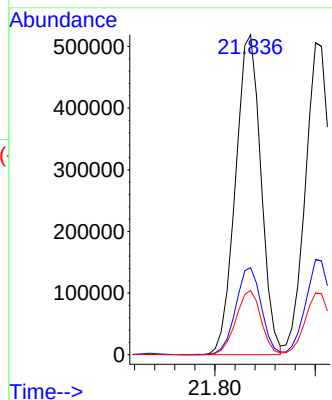
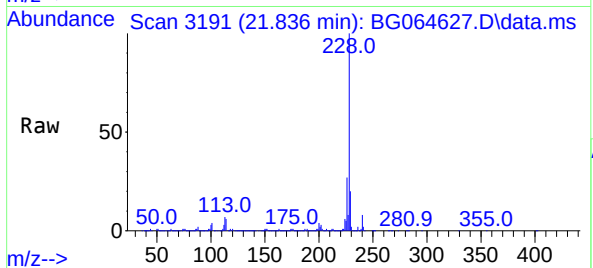




#81
Benzo(a)anthracene
Concen: 50.774 ng
RT: 21.836 min Scan# 3191
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

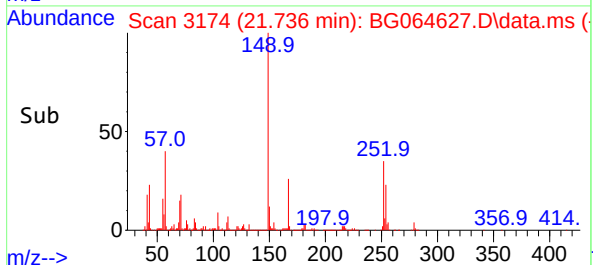
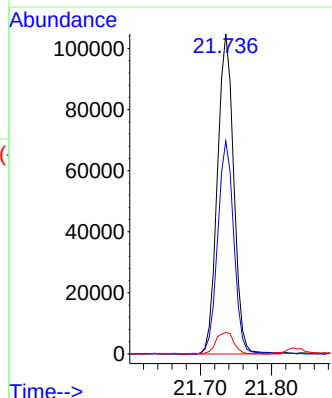
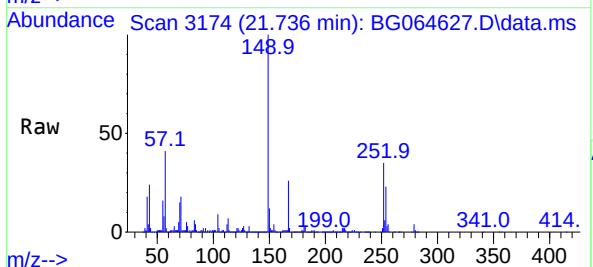
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

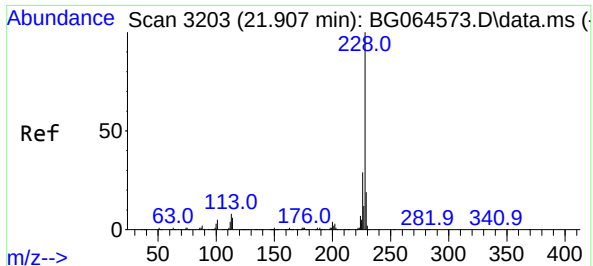
Tgt Ion:228 Resp: 915343
Ion Ratio Lower Upper
228 100
226 27.2 21.9 32.9
229 20.1 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 27.720 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:252 Resp: 166879
Ion Ratio Lower Upper
252 100
254 66.5 50.8 76.2
126 6.7 5.8 8.6

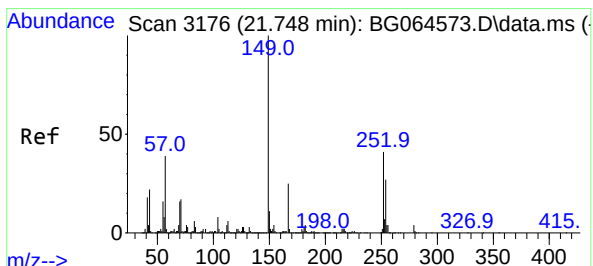
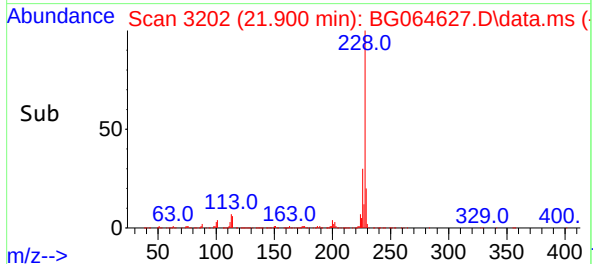
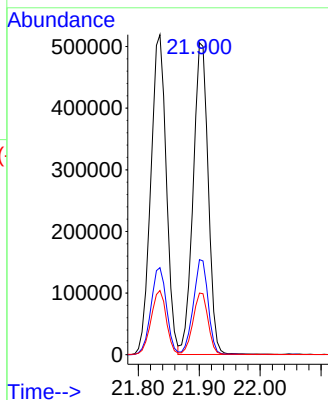
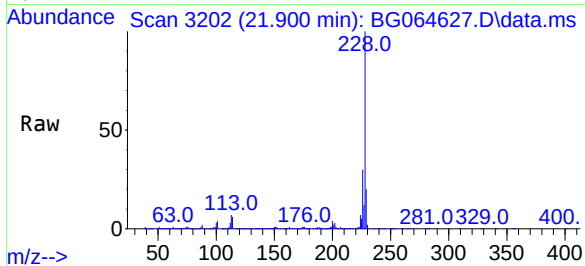




#83
Chrysene
Concen: 50.608 ng
RT: 21.900 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

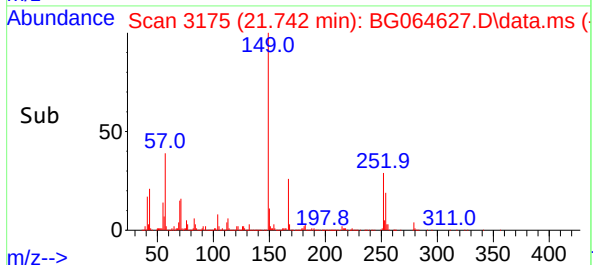
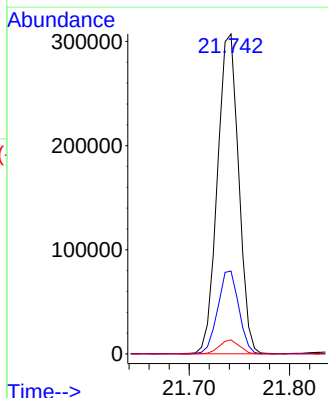
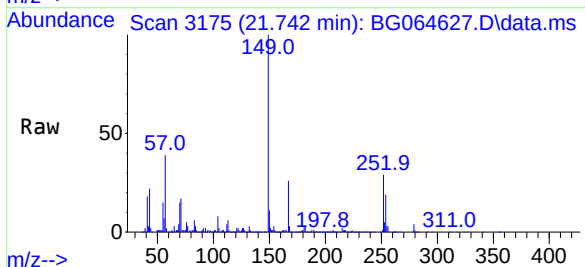
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

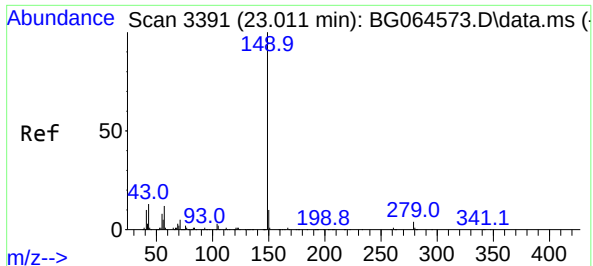
Tgt Ion:228 Resp: 868130
Ion Ratio Lower Upper
228 100
226 30.5 23.3 34.9
229 19.8 15.2 22.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 56.183 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:149 Resp: 450725
Ion Ratio Lower Upper
149 100
167 25.9 20.0 30.0
279 4.4 3.1 4.7

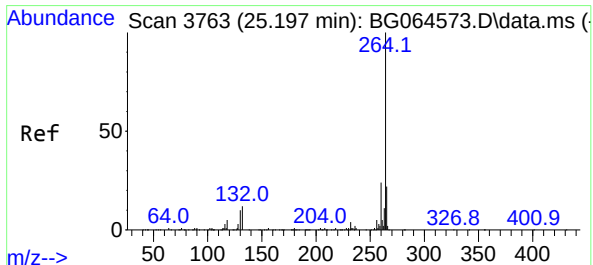
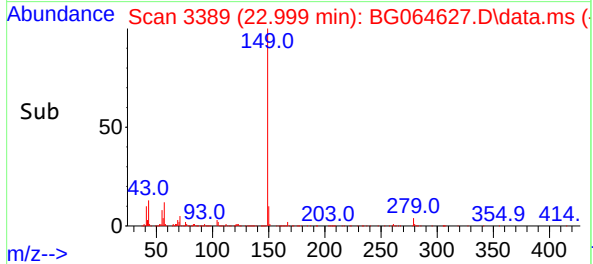
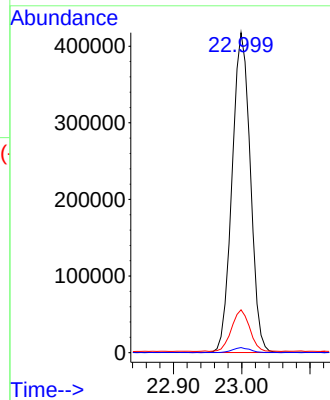
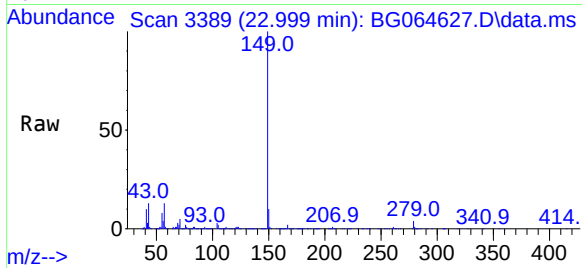




#85
Di-n-octyl phthalate
Concen: 57.277 ng
RT: 22.999 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

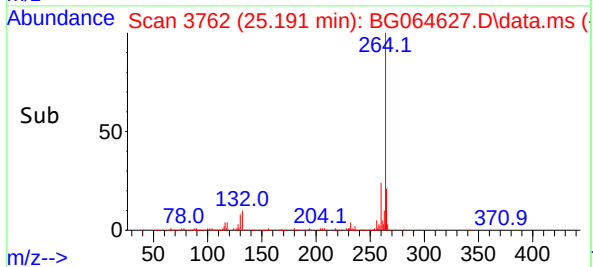
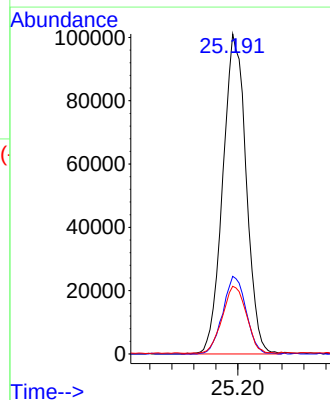
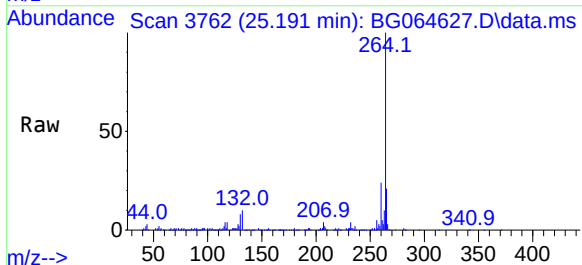
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:149 Resp: 774721
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.8 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.191 min Scan# 3762
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:264 Resp: 296767
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.4
265 21.2 17.6 26.4



Abundance Scan 4417 (29.040 min): BG064573.D\data.ms (

#87

Indeno(1,2,3-cd)pyrene

Concen: 51.200 ng

RT: 29.033 min Scan# 4417

Delta R.T. -0.028 min

Lab File: BG064627.D

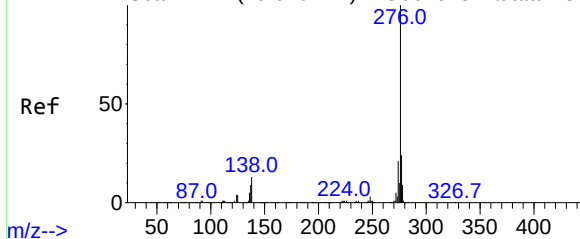
Acq: 29 Oct 2025 17:34

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MS



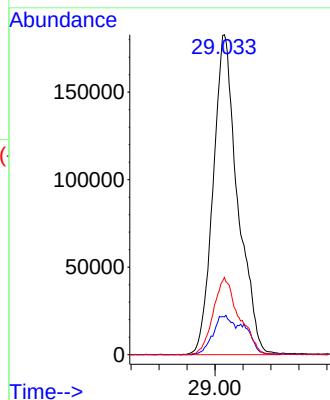
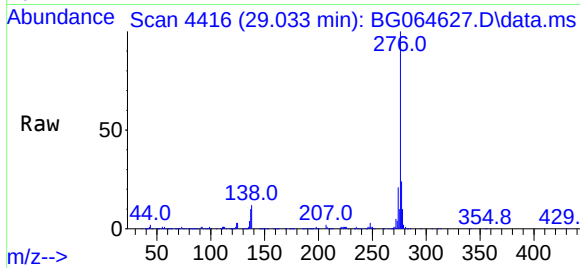
Tgt Ion:276 Resp: 1117747

Ion Ratio Lower Upper

276 100

138 10.1 10.8 16.2#

277 25.3 20.1 30.1



Abundance Scan 4416 (29.033 min): BG064627.D\data.ms (

#87

Indeno(1,2,3-cd)pyrene

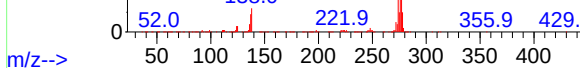
Concen: 51.200 ng

RT: 29.033 min Scan# 4416

Delta R.T. -0.028 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34



Abundance Scan 3583 (24.139 min): BG064573.D\data.ms (

#88

Benzo(b)fluoranthene

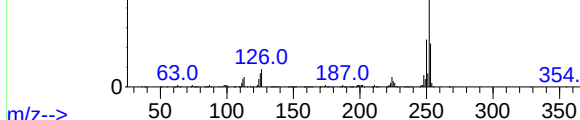
Concen: 50.237 ng

RT: 24.133 min Scan# 3582

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34



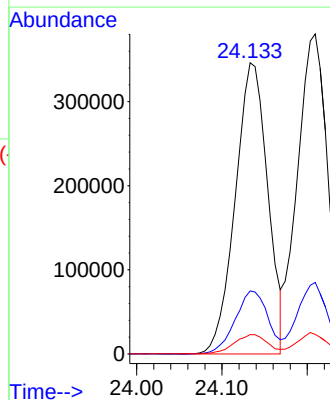
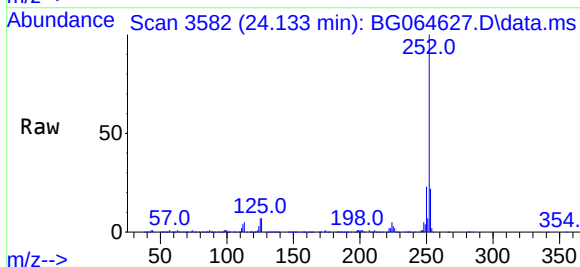
Tgt Ion:252 Resp: 914206

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 6.6 5.6 8.4



Abundance Scan 3582 (24.133 min): BG064627.D\data.ms (

#88

Benzo(b)fluoranthene

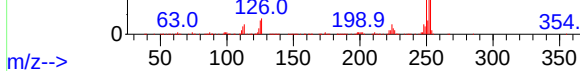
Concen: 50.237 ng

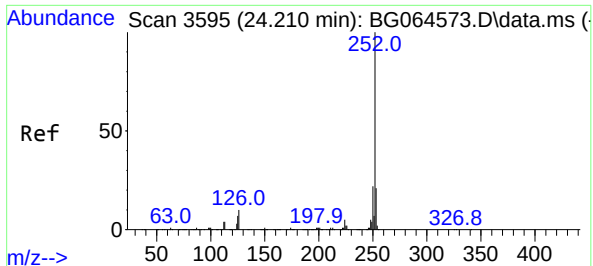
RT: 24.133 min Scan# 3582

Delta R.T. -0.010 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

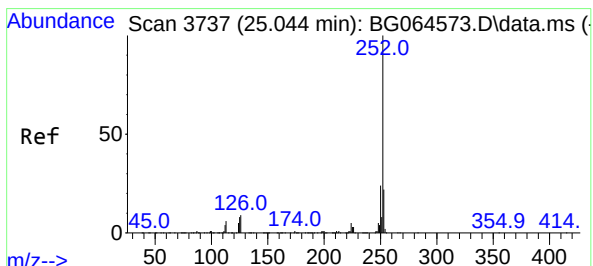
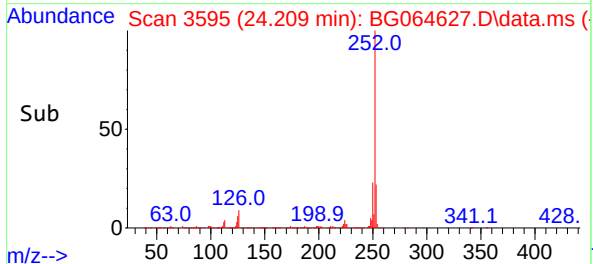
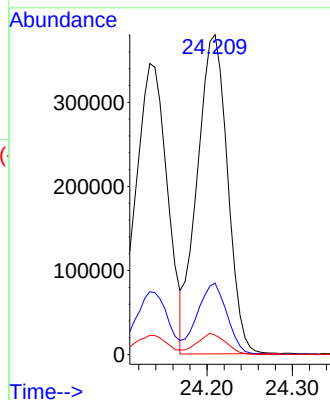
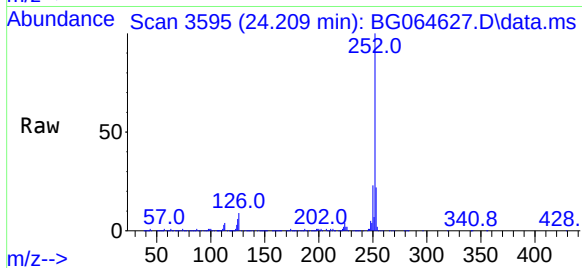




#89
Benzo(k)fluoranthene
Concen: 51.482 ng
RT: 24.209 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

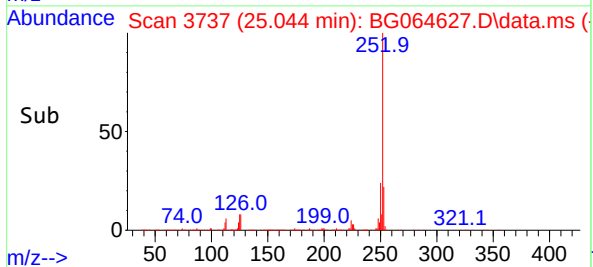
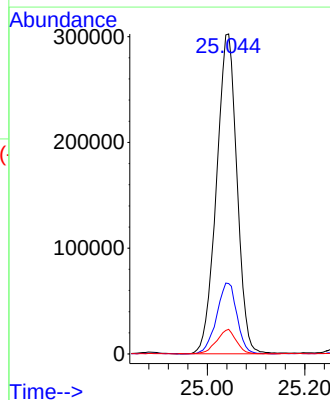
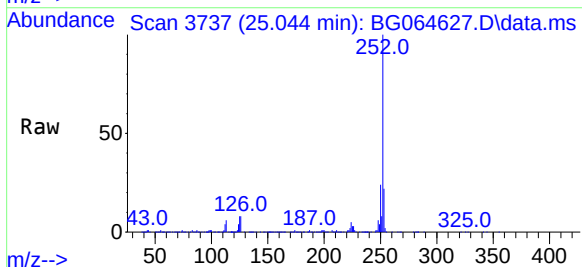
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

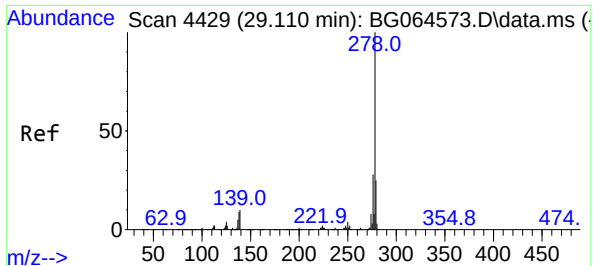
Tgt Ion:252 Resp: 937496
Ion Ratio Lower Upper
252 100
253 22.4 16.8 25.2
125 6.1 5.4 8.0



#90
Benzo(a)pyrene
Concen: 52.828 ng
RT: 25.044 min Scan# 3737
Delta R.T. -0.016 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:252 Resp: 883679
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 7.7 6.1 9.1



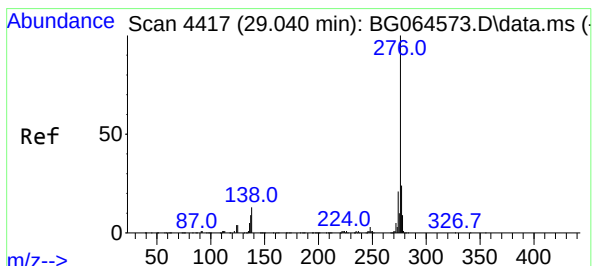
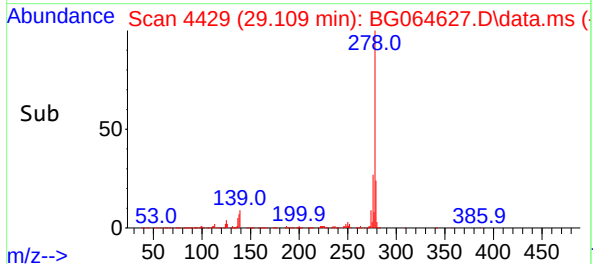
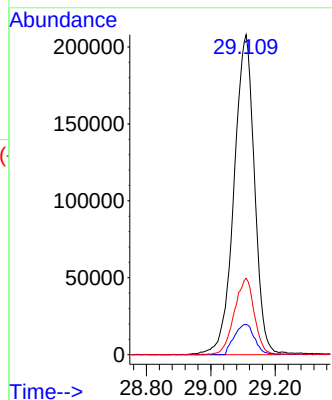
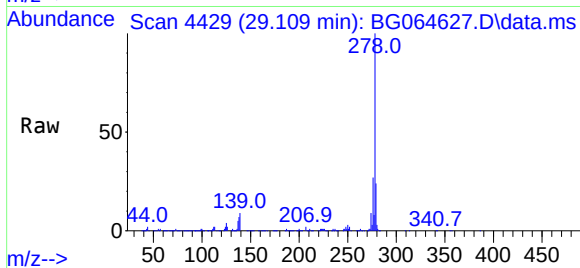


#91
Dibenzo(a,h)anthracene
Concen: 51.696 ng
RT: 29.109 min Scan# 4429
Delta R.T. -0.028 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:278 Resp: 916893

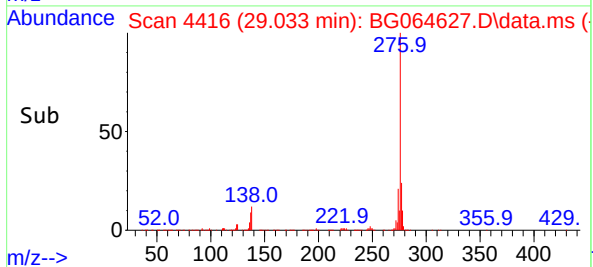
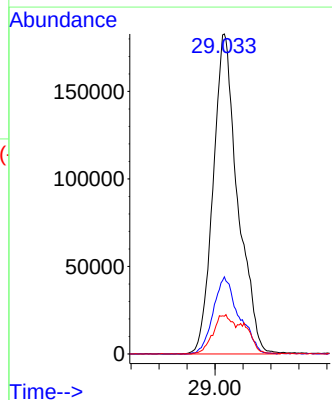
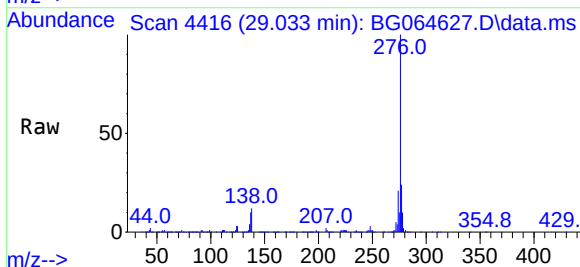
Ion	Ratio	Lower	Upper
278	100		
139	9.4	8.0	12.0
279	23.9	19.8	29.6



#92
Benzo(g,h,i)perylene
Concen: 51.200 ng
RT: 29.033 min Scan# 4416
Delta R.T. -0.028 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:276 Resp: 1117747

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	11.8	10.7	16.1



Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR-132-S16-015094-20251021MSD
 Lab Sample ID: Q3419-03MSD
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
 Date Received: 10/21/25
 SDG No.: Q3419
 Matrix: SOIL
 % Solid: 54.4
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2100		1	290	610	ug/Kg	10/29/25 18:15	PB170215
108-95-2	Phenol	2900		1	40.6	310	ug/Kg	10/29/25 18:15	PB170215
111-44-4	bis(2-Chloroethyl)ether	1900		1	44.6	310	ug/Kg	10/29/25 18:15	PB170215
95-57-8	2-Chlorophenol	3000		1	44.8	310	ug/Kg	10/29/25 18:15	PB170215
95-48-7	2-Methylphenol	2900		1	54.9	310	ug/Kg	10/29/25 18:15	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2700		1	68.8	310	ug/Kg	10/29/25 18:15	PB170215
98-86-2	Acetophenone	3100		1	54.1	310	ug/Kg	10/29/25 18:15	PB170215
65794-96-9	3+4-Methylphenols	2900		1	75.4	610	ug/Kg	10/29/25 18:15	PB170215
621-64-7	n-Nitroso-di-n-propylamine	2700		1	87.0	150	ug/Kg	10/29/25 18:15	PB170215
67-72-1	Hexachloroethane	3000		1	32.3	310	ug/Kg	10/29/25 18:15	PB170215
98-95-3	Nitrobenzene	3300		1	33.6	310	ug/Kg	10/29/25 18:15	PB170215
78-59-1	Isophorone	2800		1	60.2	310	ug/Kg	10/29/25 18:15	PB170215
88-75-5	2-Nitrophenol	3800		1	110	310	ug/Kg	10/29/25 18:15	PB170215
105-67-9	2,4-Dimethylphenol	3300		1	120	310	ug/Kg	10/29/25 18:15	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2800		1	56.5	310	ug/Kg	10/29/25 18:15	PB170215
120-83-2	2,4-Dichlorophenol	3300		1	51.9	310	ug/Kg	10/29/25 18:15	PB170215
91-20-3	Naphthalene	2900		1	41.7	310	ug/Kg	10/29/25 18:15	PB170215
106-47-8	4-Chloroaniline	1200		1	65.0	310	ug/Kg	10/29/25 18:15	PB170215
87-68-3	Hexachlorobutadiene	3100		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
105-60-2	Caprolactam	2800		1	95.6	610	ug/Kg	10/29/25 18:15	PB170215
59-50-7	4-Chloro-3-methylphenol	3100		1	52.7	310	ug/Kg	10/29/25 18:15	PB170215
91-57-6	2-Methylnaphthalene	2700		1	47.0	310	ug/Kg	10/29/25 18:15	PB170215
77-47-4	Hexachlorocyclopentadiene	8900	E	1	210	610	ug/Kg	10/29/25 18:15	PB170215
88-06-2	2,4,6-Trichlorophenol	3500		1	36.3	310	ug/Kg	10/29/25 18:15	PB170215
95-95-4	2,4,5-Trichlorophenol	3400		1	53.4	310	ug/Kg	10/29/25 18:15	PB170215
92-52-4	1,1-Biphenyl	3300		1	40.0	310	ug/Kg	10/29/25 18:15	PB170215
91-58-7	2-Chloronaphthalene	3000		1	41.3	310	ug/Kg	10/29/25 18:15	PB170215
88-74-4	2-Nitroaniline	3300		1	88.3	310	ug/Kg	10/29/25 18:15	PB170215
131-11-3	Dimethylphthalate	2900		1	49.7	310	ug/Kg	10/29/25 18:15	PB170215
208-96-8	Acenaphthylene	3300		1	53.0	310	ug/Kg	10/29/25 18:15	PB170215
606-20-2	2,6-Dinitrotoluene	3600		1	61.7	310	ug/Kg	10/29/25 18:15	PB170215
99-09-2	3-Nitroaniline	2400		1	84.4	310	ug/Kg	10/29/25 18:15	PB170215
83-32-9	Acenaphthene	3400		1	39.1	310	ug/Kg	10/29/25 18:15	PB170215
51-28-5	2,4-Dinitrophenol	7800	E	1	420	610	ug/Kg	10/29/25 18:15	PB170215
100-02-7	4-Nitrophenol	6900	E	1	200	610	ug/Kg	10/29/25 18:15	PB170215
132-64-9	Dibenzofuran	2900		1	41.7	310	ug/Kg	10/29/25 18:15	PB170215
121-14-2	2,4-Dinitrotoluene	3300		1	91.9	310	ug/Kg	10/29/25 18:15	PB170215
84-66-2	Diethylphthalate	2900		1	51.9	310	ug/Kg	10/29/25 18:15	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3000		1	49.0	310	ug/Kg	10/29/25 18:15	PB170215
86-73-7	Fluorene	3000		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
100-01-6	4-Nitroaniline	3500		1	120	310	ug/Kg	10/29/25 18:15	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	3900		1	190	610	ug/Kg	10/29/25 18:15	PB170215

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR-132-S16-015094-20251021MSD
 Lab Sample ID: Q3419-03MSD
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
 Date Received: 10/21/25
 SDG No.: Q3419
 Matrix: SOIL
 % Solid: 54.4
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 18:15	PB170215
101-55-3	4-Bromophenyl-phenylether	3000		1	51.0	310	ug/Kg	10/29/25 18:15	PB170215
118-74-1	Hexachlorobenzene	3100		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
1912-24-9	Atrazine	3300		1	62.4	310	ug/Kg	10/29/25 18:15	PB170215
87-86-5	Pentachlorophenol	6800	E	1	94.1	610	ug/Kg	10/29/25 18:15	PB170215
85-01-8	Phenanthrene	3000		1	38.4	310	ug/Kg	10/29/25 18:15	PB170215
120-12-7	Anthracene	2900		1	61.1	310	ug/Kg	10/29/25 18:15	PB170215
86-74-8	Carbazole	3000		1	57.3	310	ug/Kg	10/29/25 18:15	PB170215
84-74-2	Di-n-butylphthalate	3100		1	87.9	310	ug/Kg	10/29/25 18:15	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 18:15	PB170215
129-00-0	Pyrene	2700		1	66.1	310	ug/Kg	10/29/25 18:15	PB170215
85-68-7	Butylbenzylphthalate	3400		1	130	310	ug/Kg	10/29/25 18:15	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 18:15	PB170215
56-55-3	Benzo(a)anthracene	3000		1	42.2	310	ug/Kg	10/29/25 18:15	PB170215
218-01-9	Chrysene	2900		1	36.5	310	ug/Kg	10/29/25 18:15	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 18:15	PB170215
117-84-0	Di-n-octyl phthalate	3300		1	160	610	ug/Kg	10/29/25 18:15	PB170215
205-99-2	Benzo(b)fluoranthene	3000		1	34.9	310	ug/Kg	10/29/25 18:15	PB170215
207-08-9	Benzo(k)fluoranthene	3000		1	41.1	310	ug/Kg	10/29/25 18:15	PB170215
50-32-8	Benzo(a)pyrene	3100		1	54.1	310	ug/Kg	10/29/25 18:15	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3000		1	53.4	310	ug/Kg	10/29/25 18:15	PB170215
53-70-3	Dibenzo(a,h)anthracene	3000		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215
191-24-2	Benzo(g,h,i)perylene	3000		1	47.2	310	ug/Kg	10/29/25 18:15	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3400		1	47.0	310	ug/Kg	10/29/25 18:15	PB170215
123-91-1	1,4-Dioxane	2300		1	83.0	310	ug/Kg	10/29/25 18:15	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3600		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215

SURROGATES

367-12-4	2-Fluorophenol	92.9		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	92.6		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.9		18 - 107	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.4		20 - 109	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	57.1		10 - 105	57%	SPK: 100

INTERNAL STANDARDS

		Area Count
3855-82-1	1,4-Dichlorobenzene-d4	31800
1146-65-2	Naphthalene-d8	125000
15067-26-2	Acenaphthene-d10	95000
1517-22-2	Phenanthrene-d10	231000
1719-03-5	Chrysene-d12	282000
1520-96-3	Perylene-d12	309000

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3419
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	54.4
Sample Wt/Vol:	30.05 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064628.D
 Acq On : 29 Oct 2025 18:15
 Operator : RC/JU
 Sample : Q3419-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR-132-S16-015094-20251021MSD

Quant Time: Oct 30 04:57:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.214	152	31803	20.000	ng	0.00
21) Naphthalene-d8	11.040	136	124534	20.000	ng	-0.01
39) Acenaphthene-d10	14.842	164	94989	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	230638	20.000	ng	0.00
76) Chrysene-d12	21.851	240	282250	20.000	ng	-0.01
86) Perylene-d12	25.189	264	308600	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	176100	92.942	ng	0.00
7) Phenol-d6	7.351	99	240854	92.637	ng	0.00
23) Nitrobenzene-d5	9.378	82	155218	74.861	ng	-0.01
42) 2,4,6-Tribromophenol	16.317	330	162190	118.302	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	366213	58.437	ng	-0.01
79) Terphenyl-d14	20.165	244	853453	57.063	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.579	88	31292	37.303	ng	94
3) Pyridine	3.990	79	91183	36.197	ng	99
4) n-Nitrosodimethylamine	3.896	42	64553	47.785	ng	95
6) Aniline	7.527	93	107880	30.493	ng	98
8) 2-Chlorophenol	7.774	128	98657	49.746	ng	100
9) Benzaldehyde	7.339	77	47639	33.562	ng	94
10) Phenol	7.380	94	134929	46.926	ng	97
11) bis(2-Chloroethyl)ether	7.527	93	107880	30.493	ng	98
12) 1,3-Dichlorobenzene	8.109	146	105133	46.058	ng	95
13) 1,4-Dichlorobenzene	8.250	146	106063	45.698	ng	95
14) 1,2-Dichlorobenzene	8.573	146	107759	48.136	ng	98
15) Benzyl Alcohol	8.444	79	100962	47.091	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.743	45	240700	43.406	ng	99
17) 2-Methylphenol	8.444	107	50526	47.146	ng	88
18) Hexachloroethane	9.319	117	40307	49.488	ng	96
19) n-Nitroso-di-n-propyla...	9.019	70	80697	44.910	ng	98
20) 3+4-Methylphenols	8.972	107	125897	46.893	ng	98
22) Acetophenone	9.037	105	172795	50.758	ng	# 96
24) Nitrobenzene	9.425	77	122938	54.514	ng	99
25) Isophorone	9.954	82	230244	46.278	ng	100
26) 2-Nitrophenol	10.142	139	54798	62.001	ng	# 90
27) 2,4-Dimethylphenol	10.194	122	102164	54.121	ng	95
28) bis(2-Chloroethoxy)met...	10.429	93	131967	46.587	ng	99
29) 2,4-Dichlorophenol	10.676	162	105842	53.143	ng	99
30) 1,2,4-Trichlorobenzene	10.899	180	119635	52.868	ng	97
31) Naphthalene	11.093	128	325077	47.081	ng	99
32) Benzoic acid	10.318	122	89736	63.358	ng	92
33) 4-Chloroaniline	11.187	127	54442	20.286	ng	96
34) Hexachlorobutadiene	11.387	225	89857	50.775	ng	98
35) Caprolactam	11.945	113	35513m	46.490	ng	
36) 4-Chloro-3-methylphenol	12.292	107	122597	51.210	ng	98
37) 2-Methylnaphthalene	12.686	142	219604	43.321	ng	98
38) 1-Methylnaphthalene	12.903	142	228542	45.818	ng	96
40) 1,2,4,5-Tetrachloroben...	13.050	216	178313	55.934	ng	99
41) Hexachlorocyclopentadiene	13.032	237	208614	145.386	ng	98
43) 2,4,6-Trichlorophenol	13.279	196	103636	56.833	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064628.D
 Acq On : 29 Oct 2025 18:15
 Operator : RC/JU
 Sample : Q3419-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR-132-S16-015094-20251021MSD

Quant Time: Oct 30 04:57:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

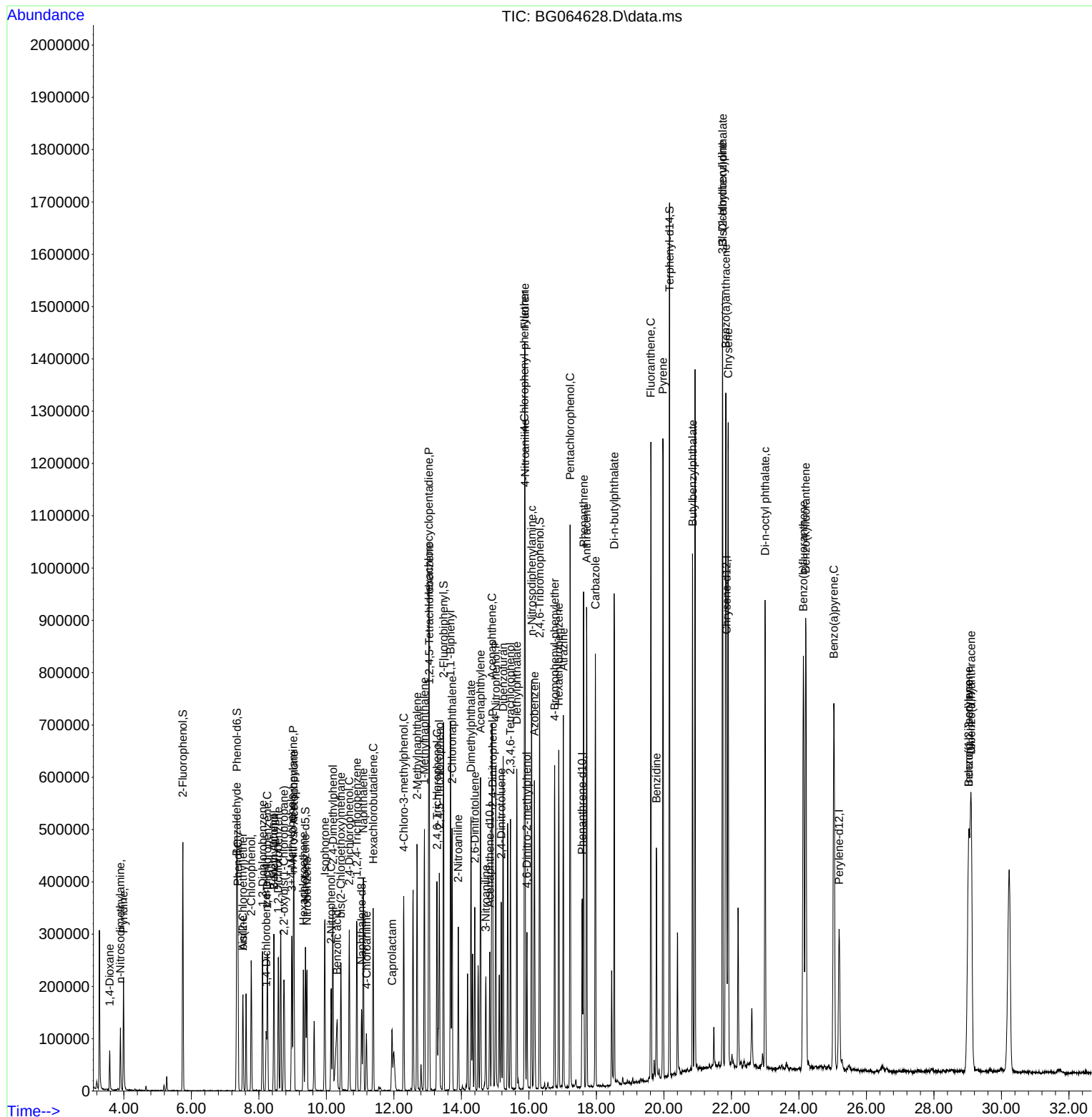
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.344	196	115660	54.963	ng	96
46) 1,1'-Biphenyl	13.679	154	365386	54.107	ng	97
47) 2-Chloronaphthalene	13.726	162	249530	48.952	ng	98
48) 2-Nitroaniline	13.908	65	93564	54.228	ng	94
49) Acenaphthylene	14.566	152	439745	54.693	ng	99
50) Dimethylphthalate	14.284	163	347153	47.761	ng	99
51) 2,6-Dinitrotoluene	14.395	165	70596	58.141	ng	99
52) Acenaphthene	14.907	154	301997	54.976	ng	98
53) 3-Nitroaniline	14.724	138	48285	38.655	ng	96
54) 2,4-Dinitrophenol	14.930	184	96369	127.399	ng	# 39
55) Dibenzofuran	15.236	168	423783	47.718	ng	97
56) 4-Nitrophenol	15.018	139	131383	113.444	ng	91
57) 2,4-Dinitrotoluene	15.183	165	102203	54.664	ng	# 97
58) Fluorene	15.882	166	334548	48.236	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.453	232	117236	58.261	ng	99
60) Diethylphthalate	15.641	149	350180	47.184	ng	99
61) 4-Chlorophenyl-phenyle...	15.870	204	189500	48.686	ng	98
62) 4-Nitroaniline	15.888	138	78479	56.473	ng	95
63) Azobenzene	16.164	77	349461	51.319	ng	99
65) 4,6-Dinitro-2-methylph...	15.941	198	67333	64.272	ng	91
66) n-Nitrosodiphenylamine	16.082	169	311250	49.959	ng	98
67) 4-Bromophenyl-phenylether	16.763	248	136215	49.838	ng	98
68) Hexachlorobenzene	16.887	284	156412	50.163	ng	99
69) Atrazine	17.022	200	143329	53.460	ng	97
70) Pentachlorophenol	17.221	266	215900	111.038	ng	96
71) Phenanthrene	17.621	178	614558	48.725	ng	99
72) Anthracene	17.709	178	618291	48.191	ng	100
73) Carbazole	17.968	167	555268	49.079	ng	99
74) Di-n-butylphthalate	18.526	149	660445	50.481	ng	99
75) Fluoranthene	19.613	202	798695	50.549	ng	98
77) Benzidine	19.777	184	266267	42.107	ng	99
78) Pyrene	19.971	202	826087	44.797	ng	99
80) Butylbenzylphthalate	20.852	149	307248	55.127	ng	95
81) Benzo(a)anthracene	21.834	228	915839	48.937	ng	99
82) 3,3'-Dichlorobenzidine	21.734	252	172028	27.527	ng	99
83) Chrysene	21.904	228	856872	48.119	ng	98
84) Bis(2-ethylhexyl)phtha...	21.740	149	456370	54.799	ng	99
85) Di-n-octyl phthalate	22.997	149	762527	54.307	ng	99
87) Indeno(1,2,3-cd)pyrene	29.031	276	1124787	49.546	ng	# 97
88) Benzo(b)fluoranthene	24.131	252	922791	48.765	ng	99
89) Benzo(k)fluoranthene	24.202	252	941575	49.723	ng	98
90) Benzo(a)pyrene	25.036	252	881844	50.697	ng	99
91) Dibenzo(a,h)anthracene	29.102	278	919177	49.838	ng	97
92) Benzo(g,h,i)perylene	29.031	276	1124787	49.546	ng	98

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

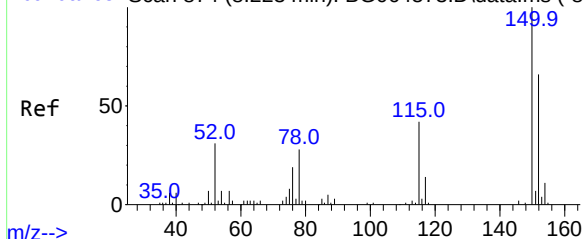
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Data File : BG064628.D
Acq On : 29 Oct 2025 18:15
Operator : RC/JU
Sample : Q3419-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Quant Time: Oct 30 04:57:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

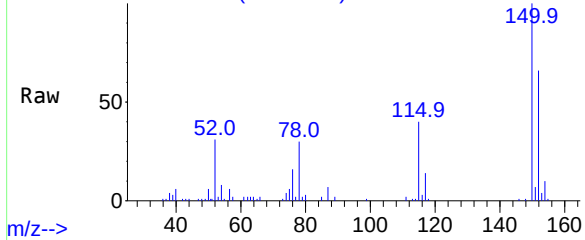


Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86)



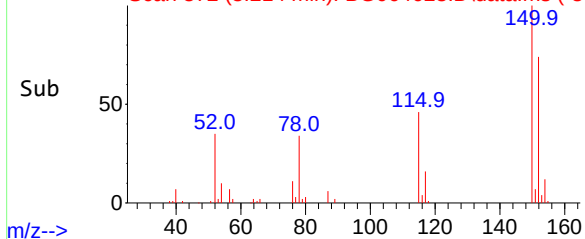
m/z-->

Abundance Scan 872 (8.214 min): BG064628.D\data.ms



m/z-->

Abundance Scan 872 (8.214 min): BG064628.D\data.ms (-85)



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.214 min Scan# 81

Delta R.T. -0.007 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

Tgt Ion:152 Resp: 31803

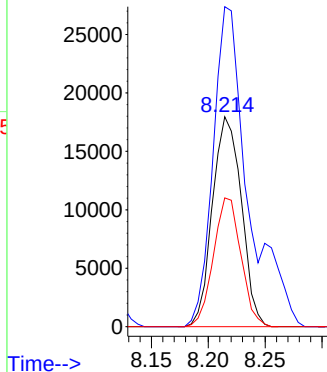
Ion Ratio Lower Upper

152 100

150 152.5 122.2 183.4

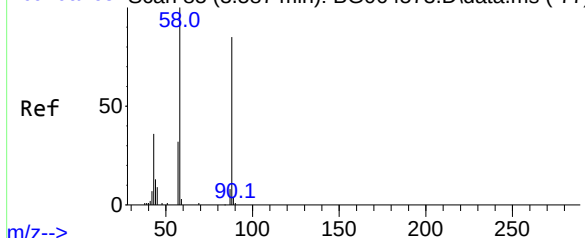
115 61.4 50.8 76.2

Abundance



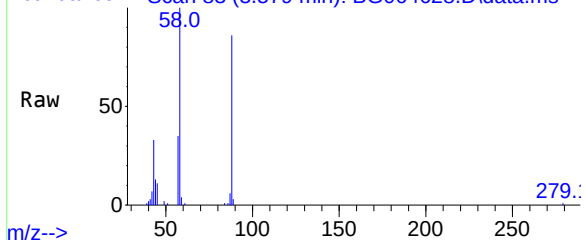
Time-->

Abundance Scan 85 (3.587 min): BG064573.D\data.ms (-77)



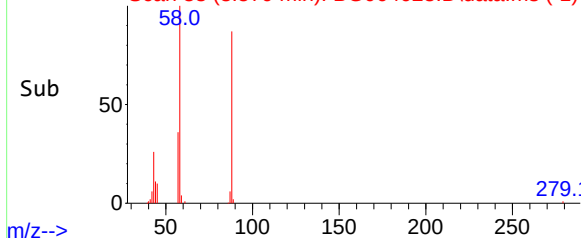
m/z-->

Abundance Scan 83 (3.579 min): BG064628.D\data.ms



m/z-->

Abundance Scan 83 (3.579 min): BG064628.D\data.ms (-1)



m/z-->

#2

1,4-Dioxane

Concen: 37.303 ng

RT: 3.579 min Scan# 83

Delta R.T. -0.012 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion: 88 Resp: 31292

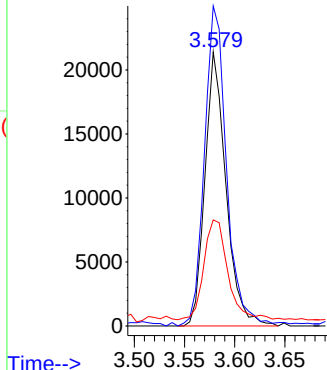
Ion Ratio Lower Upper

88 100

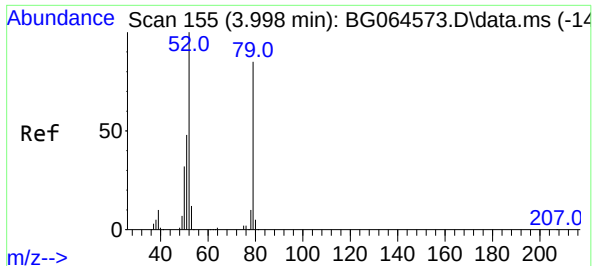
58 123.9 92.4 138.6

43 41.9 33.0 49.6

Abundance

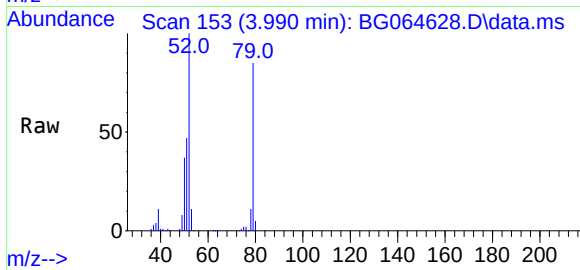


Time-->

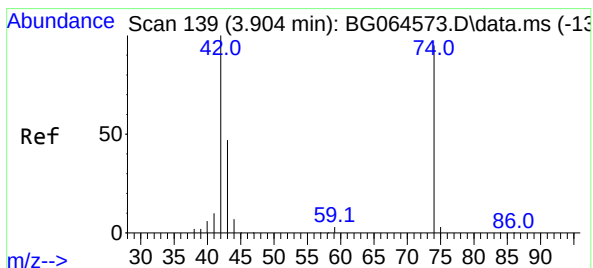
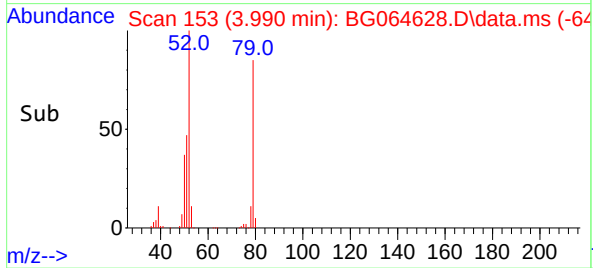
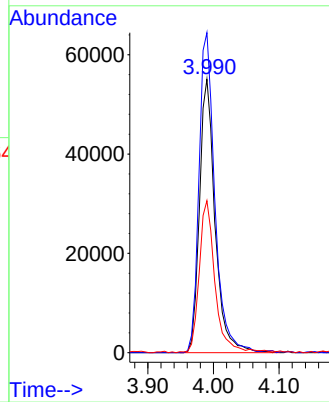


#3
Pyridine
Concen: 36.197 ng
RT: 3.990 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

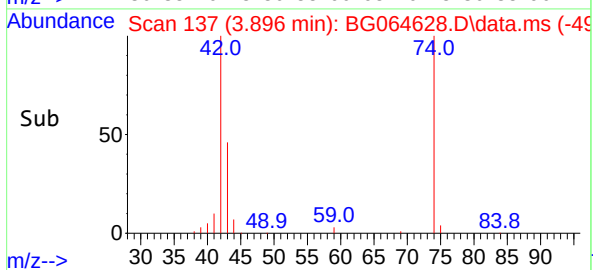
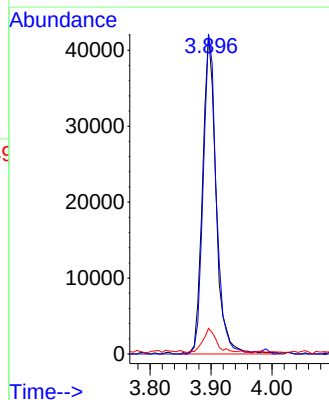
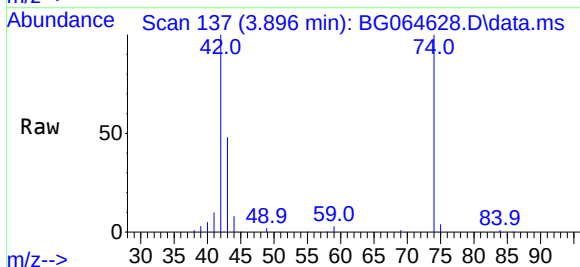


Tgt Ion: 79 Resp: 91183
Ion Ratio Lower Upper
79 100
52 117.1 94.2 141.2
51 55.6 46.1 69.1

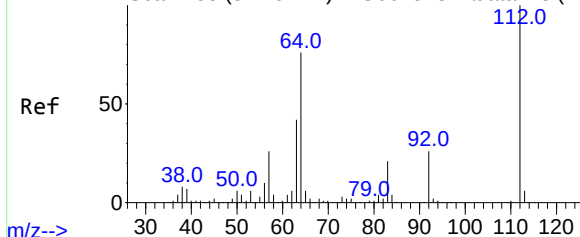


#4
n-Nitrosodimethylamine
Concen: 47.785 ng
RT: 3.896 min Scan# 137
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 42 Resp: 64553
Ion Ratio Lower Upper
42 100
74 99.8 76.1 114.1
44 8.0 6.3 9.5



Abundance Scan 453 (5.749 min): BG064573.D\data.ms (-44



#5

2-Fluorophenol

Concen: 92.942 ng

RT: 5.747 min Scan# 411

Delta R.T. -0.000 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

Tgt Ion:112 Resp: 176100

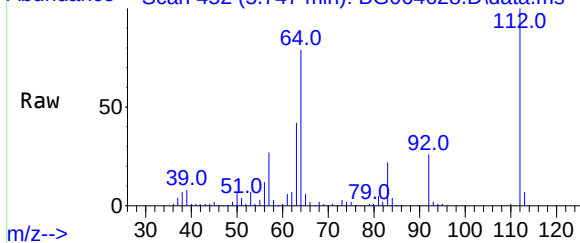
Ion Ratio Lower Upper

112 100

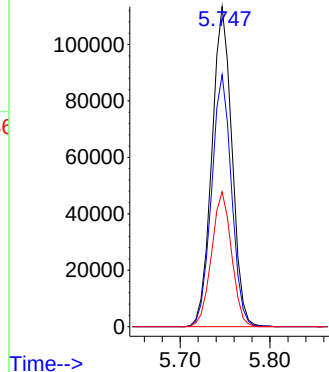
64 78.8 60.7 91.1

63 42.2 33.4 50.0

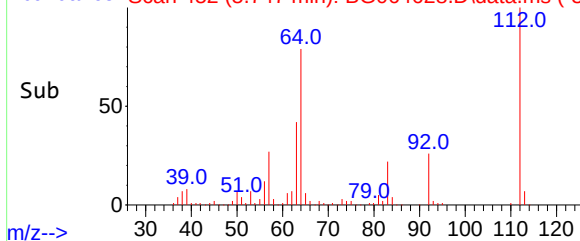
Abundance Scan 452 (5.747 min): BG064628.D\data.ms (-36



Abundance

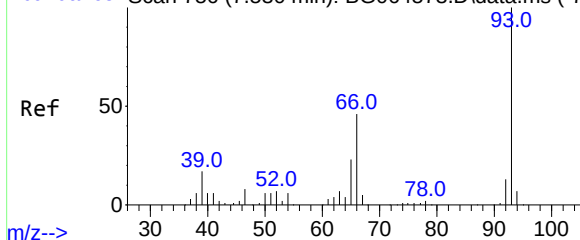


Abundance Scan 452 (5.747 min): BG064628.D\data.ms (-36



Time-->

Abundance Scan 756 (7.530 min): BG064573.D\data.ms (-74



#6

Aniline

Concen: 30.493 ng

RT: 7.527 min Scan# 755

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion: 93 Resp: 107880

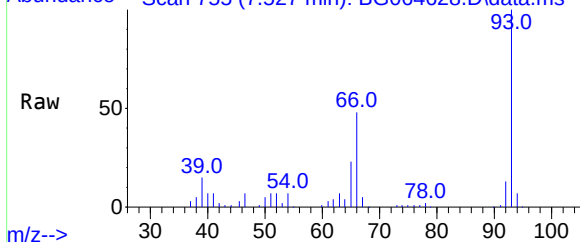
Ion Ratio Lower Upper

93 100

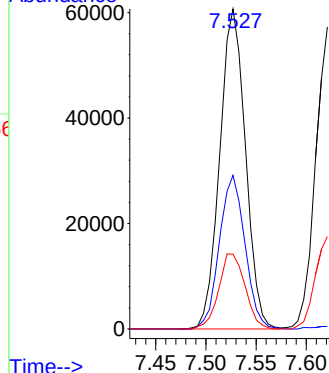
66 48.0 37.0 55.6

65 23.4 18.3 27.5

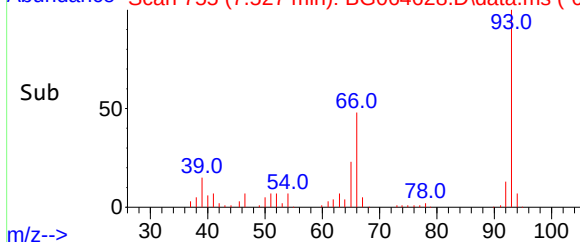
Abundance Scan 755 (7.527 min): BG064628.D\data.ms (-66



Abundance

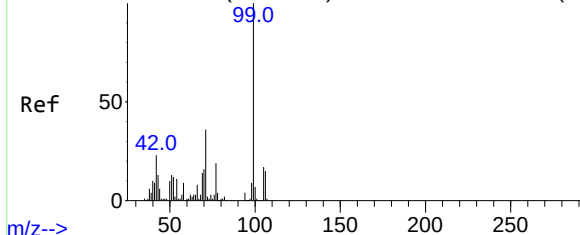


Abundance Scan 755 (7.527 min): BG064628.D\data.ms (-66



Time-->

Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



#7

Phenol-d6

Concen: 92.637 ng

RT: 7.351 min Scan# 71

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

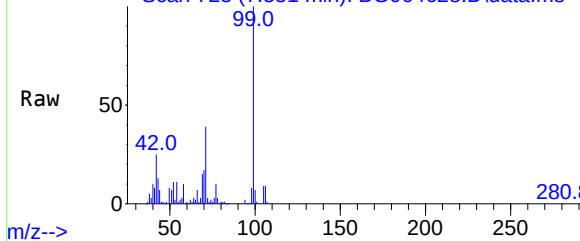
ClientSampleId :

PR-132-S16-015094-20251021MSD

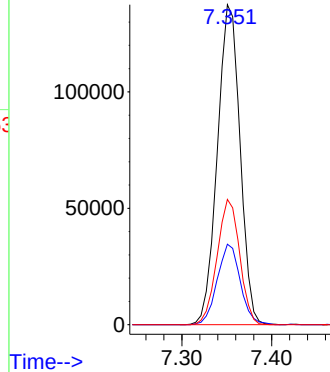
Tgt Ion: 99 Resp: 240854

Ion	Ratio	Lower	Upper
99	100		
42	25.2	18.3	27.5
71	39.1	28.6	43.0

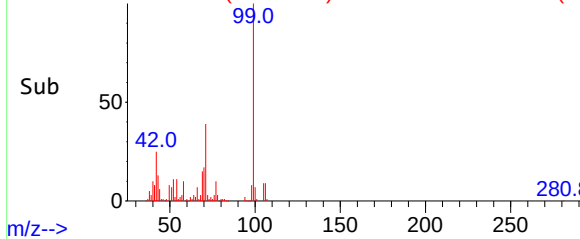
Abundance Scan 725 (7.351 min): BG064628.D\data.ms



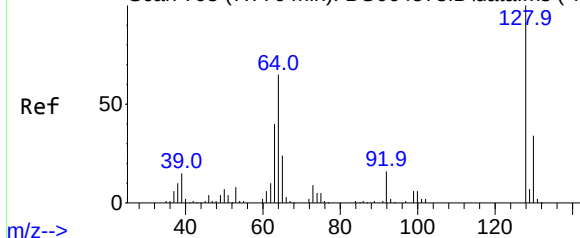
Abundance



Abundance Scan 725 (7.351 min): BG064628.D\data.ms (-63



Abundance Scan 798 (7.776 min): BG064573.D\data.ms (-79



#8

2-Chlorophenol

Concen: 49.746 ng

RT: 7.774 min Scan# 797

Delta R.T. -0.006 min

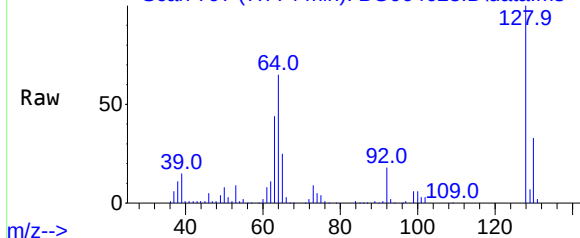
Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

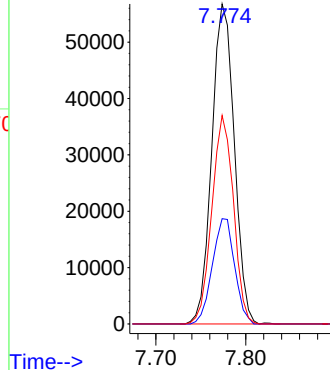
Tgt Ion: 128 Resp: 98657

Ion	Ratio	Lower	Upper
128	100		
130	32.9	13.5	53.5
64	65.2	45.2	85.2

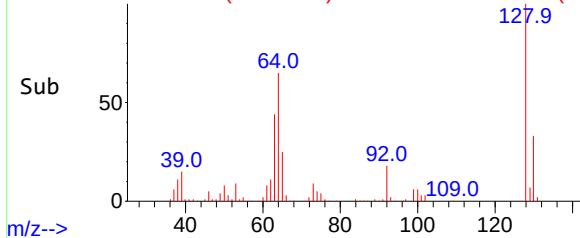
Abundance Scan 797 (7.774 min): BG064628.D\data.ms



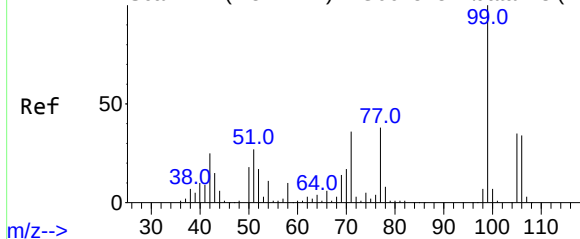
Abundance



Abundance Scan 797 (7.774 min): BG064628.D\data.ms (-70



Abundance Scan 724 (7.342 min): BG064573.D\data.ms (-71



#9

Benzaldehyde

Concen: 33.562 ng

RT: 7.339 min Scan# 71

Delta R.T. -0.000 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

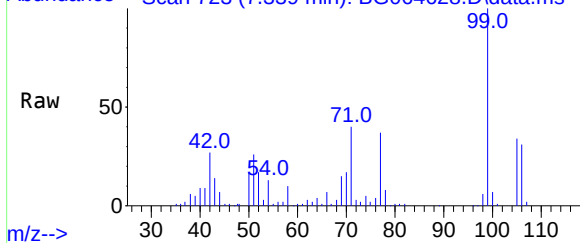
Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

m/z--> Abundance Scan 723 (7.339 min): BG064628.D\data.ms



Tgt Ion: 77 Resp: 47639

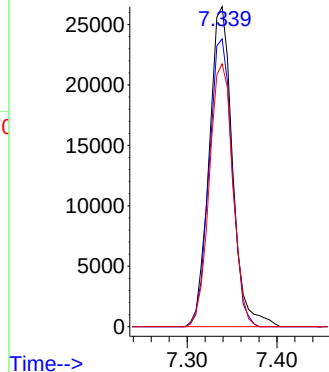
Ion Ratio Lower Upper

77 100

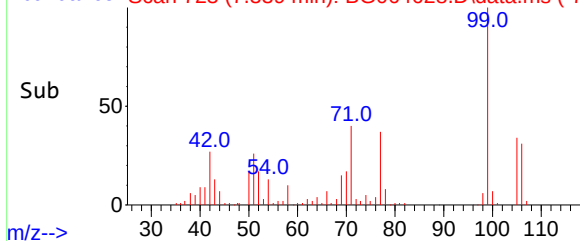
105 90.0 72.9 112.9

106 82.1 70.8 110.8

Abundance

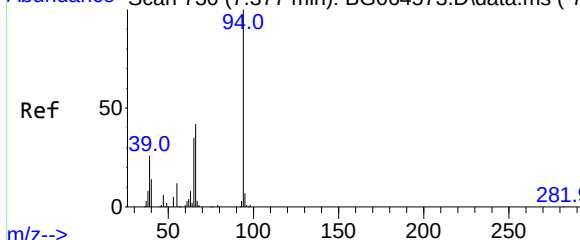


m/z--> Abundance Scan 723 (7.339 min): BG064628.D\data.ms (-70



Time-->

Abundance Scan 730 (7.377 min): BG064573.D\data.ms (-72



#10

Phenol

Concen: 46.926 ng

RT: 7.380 min Scan# 730

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion: 94 Resp: 134929

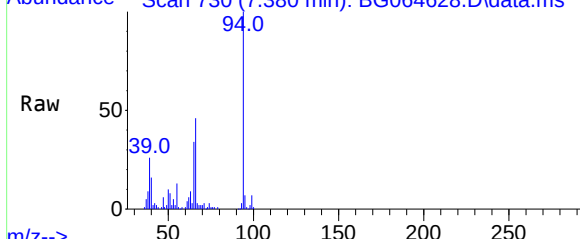
Ion Ratio Lower Upper

94 100

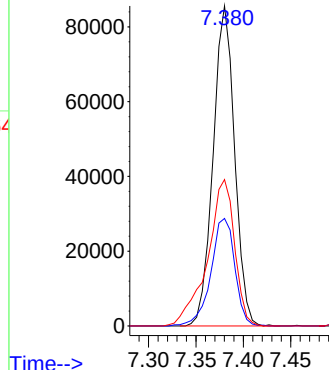
65 33.6 15.8 55.8

66 45.7 24.0 64.0

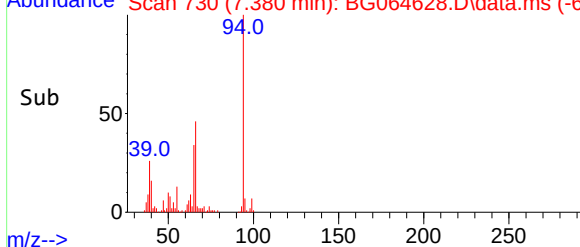
m/z--> Abundance Scan 730 (7.380 min): BG064628.D\data.ms



Abundance

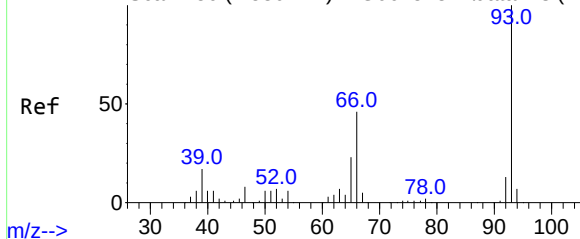


m/z--> Abundance Scan 730 (7.380 min): BG064628.D\data.ms (-64



Time-->

Abundance Scan 756 (7.530 min): BG064573.D\data.ms (-74

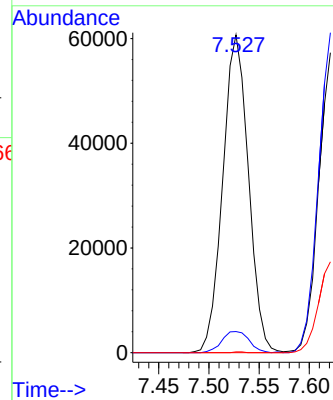
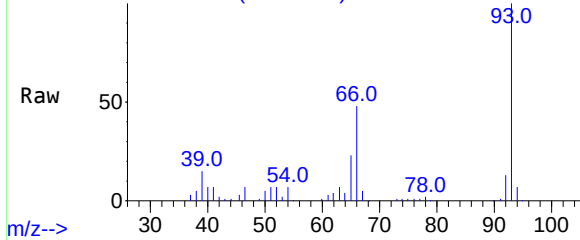


#11
bis(2-Chloroethyl)ether
Concen: 30.493 ng
RT: 7.527 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

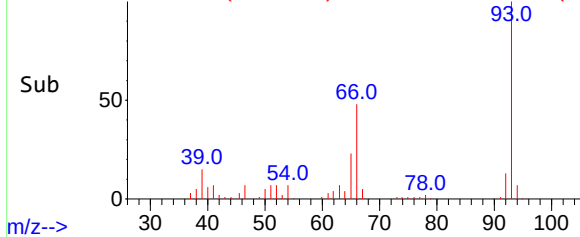
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion: 93 Resp: 107880
Ion Ratio Lower Upper
93 100
63 6.7 0.0 27.4
95 0.3 0.0 20.2

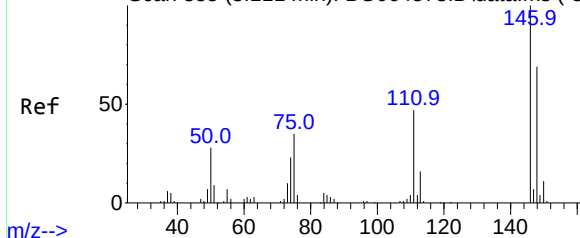
Abundance Scan 755 (7.527 min): BG064628.D\data.ms



Abundance Scan 755 (7.527 min): BG064628.D\data.ms (-66



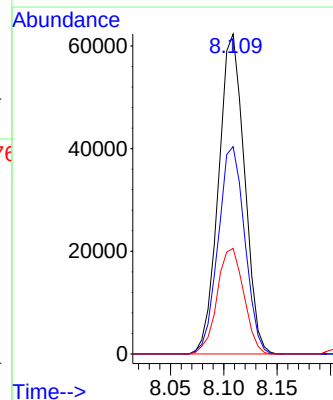
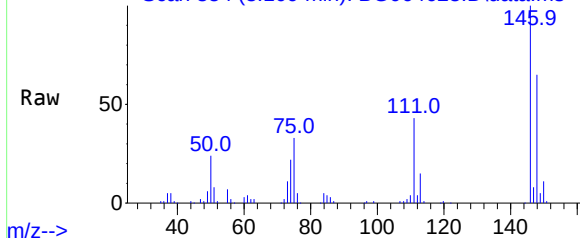
Abundance Scan 855 (8.111 min): BG064573.D\data.ms (-84



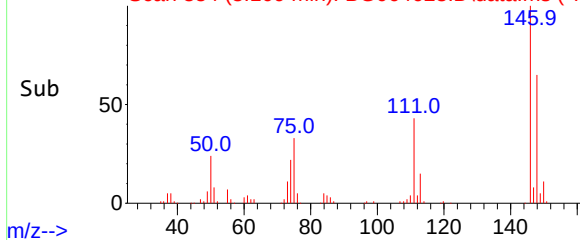
#12
1,3-Dichlorobenzene
Concen: 46.058 ng
RT: 8.109 min Scan# 854
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 146 Resp: 105133
Ion Ratio Lower Upper
146 100
148 64.8 55.3 82.9
75 33.0 28.2 42.2

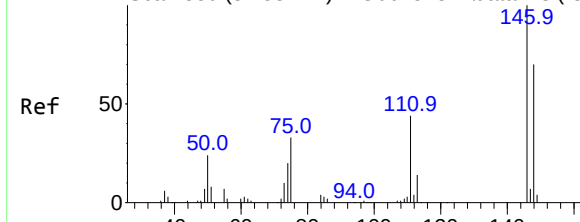
Abundance Scan 854 (8.109 min): BG064628.D\data.ms



Abundance Scan 854 (8.109 min): BG064628.D\data.ms (-76

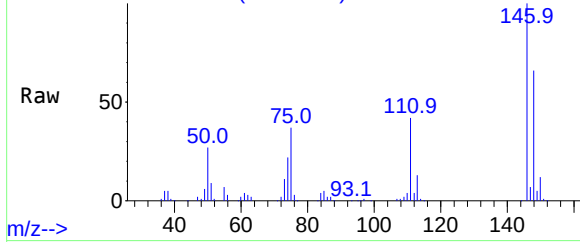


Abundance Scan 880 (8.258 min): BG064573.D\data.ms (-87



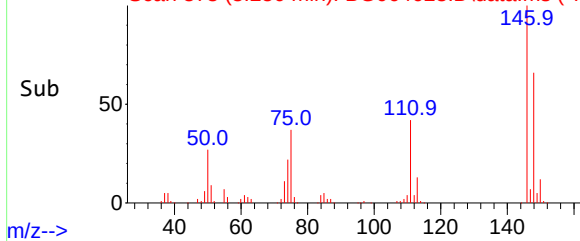
m/z-->

Abundance Scan 878 (8.250 min): BG064628.D\data.ms



m/z-->

Abundance Scan 878 (8.250 min): BG064628.D\data.ms (-78



m/z-->

#13

1,4-Dichlorobenzene

Concen: 45.698 ng

RT: 8.250 min Scan# 81

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

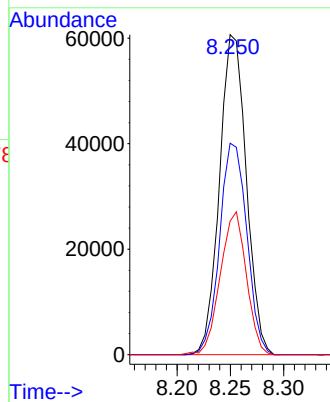
Tgt Ion:146 Resp: 106063

Ion Ratio Lower Upper

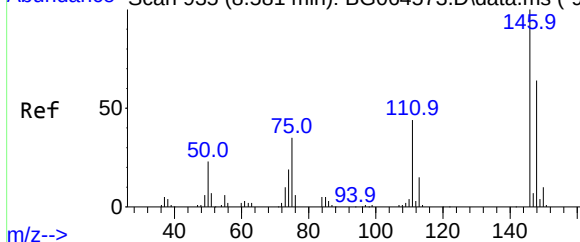
146 100

148 66.1 56.2 84.4

111 41.8 35.4 53.0

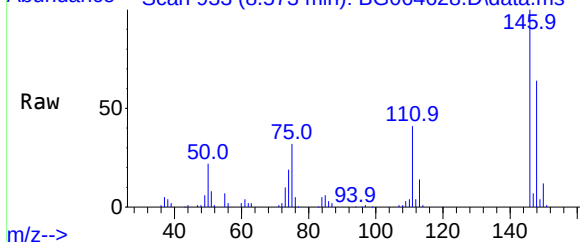


Abundance Scan 935 (8.581 min): BG064573.D\data.ms (-92



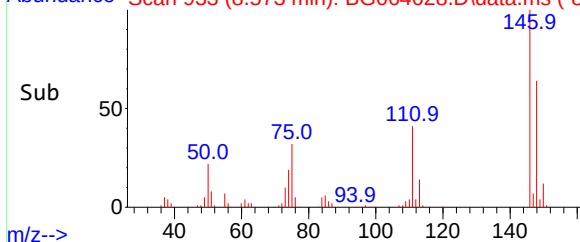
m/z-->

Abundance Scan 933 (8.573 min): BG064628.D\data.ms



m/z-->

Abundance Scan 933 (8.573 min): BG064628.D\data.ms (-84



m/z-->

#14

1,2-Dichlorobenzene

Concen: 48.136 ng

RT: 8.573 min Scan# 933

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

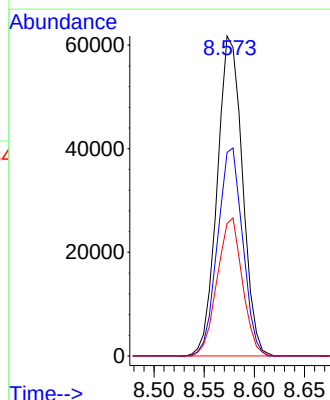
Tgt Ion:146 Resp: 107759

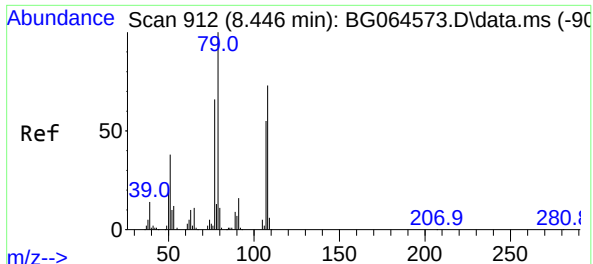
Ion Ratio Lower Upper

146 100

148 63.6 51.5 77.3

111 41.4 35.0 52.6

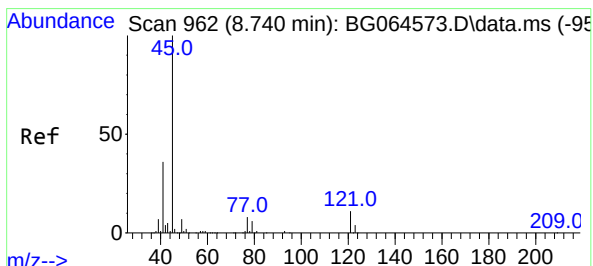
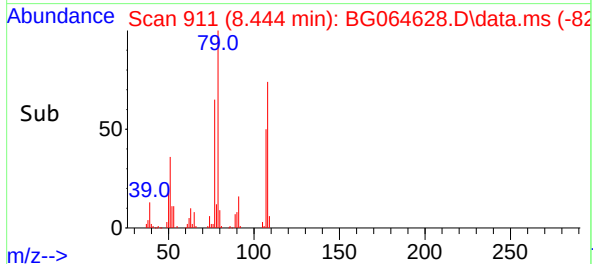
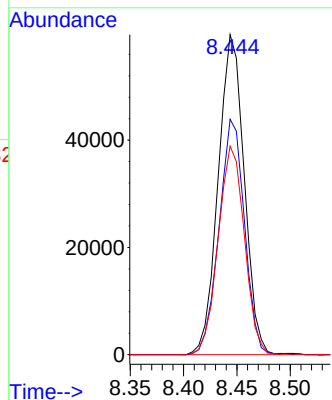
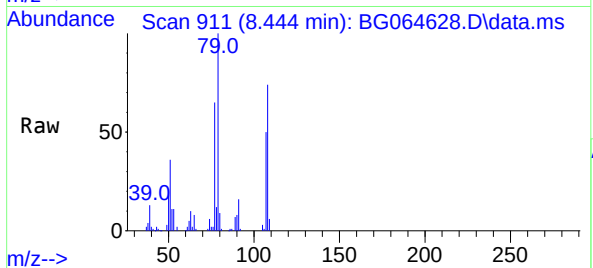




#15
Benzyl Alcohol
Concen: 47.091 ng
RT: 8.444 min Scan# 912
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

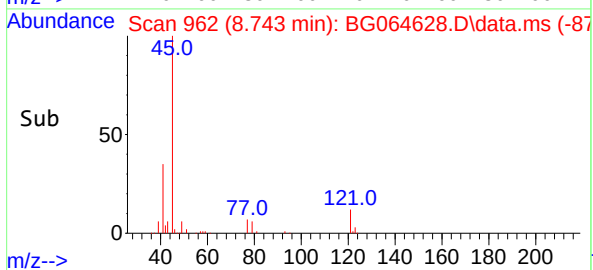
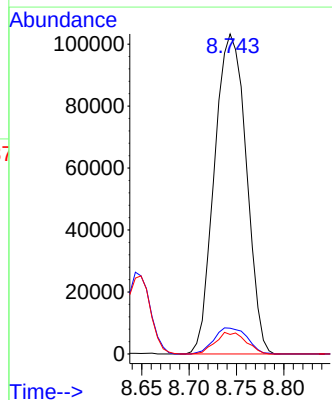
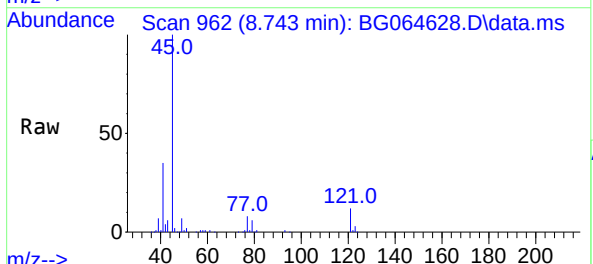
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

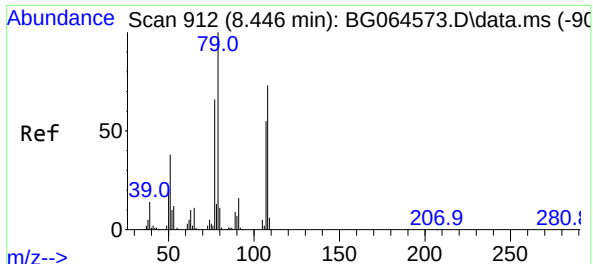
Tgt Ion: 79 Resp: 100962
Ion Ratio Lower Upper
79 100
108 73.5 58.1 87.1
77 65.1 52.8 79.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.406 ng
RT: 8.743 min Scan# 962
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 45 Resp: 240700
Ion Ratio Lower Upper
45 100
77 8.1 0.0 28.5
79 6.1 0.0 25.6





#17

2-Methylphenol

Concen: 47.146 ng

RT: 8.444 min Scan# 91

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

Tgt Ion:107 Resp: 50526

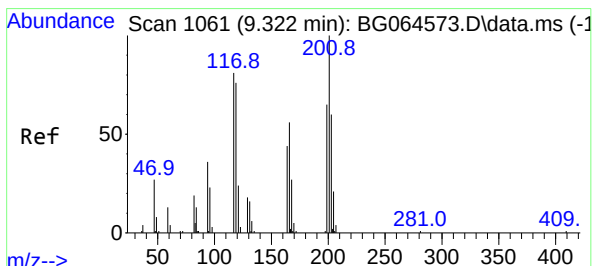
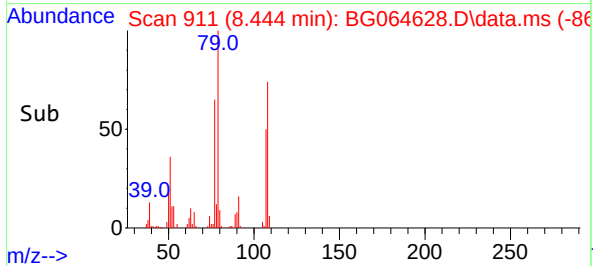
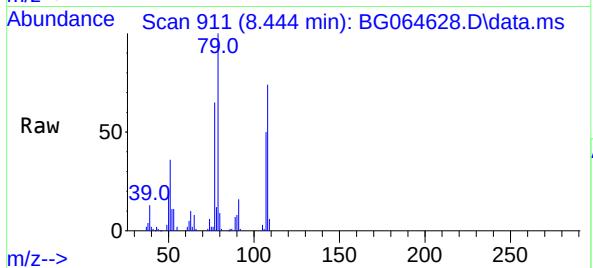
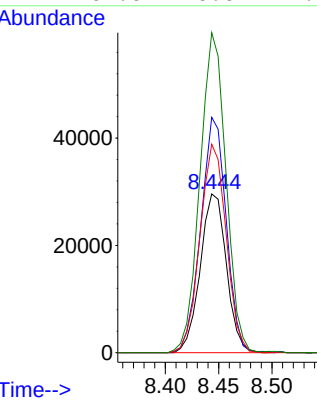
Ion Ratio Lower Upper

107 100

108 148.3 106.4 159.6

77 131.3 96.7 145.1

79 201.6 146.6 219.8



#18

Hexachloroethane

Concen: 49.488 ng

RT: 9.319 min Scan# 1060

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

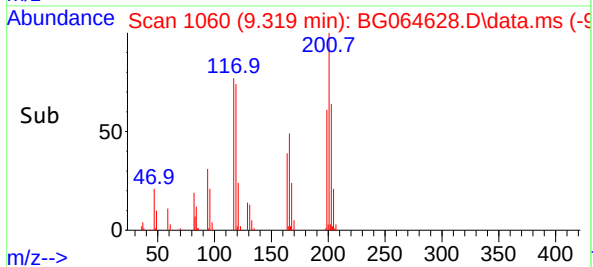
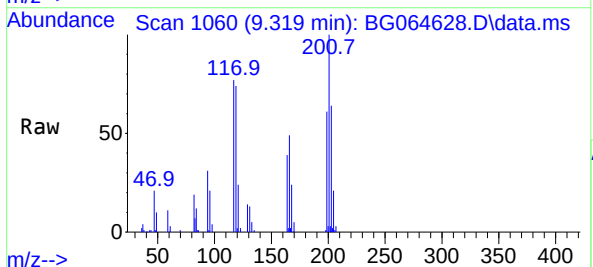
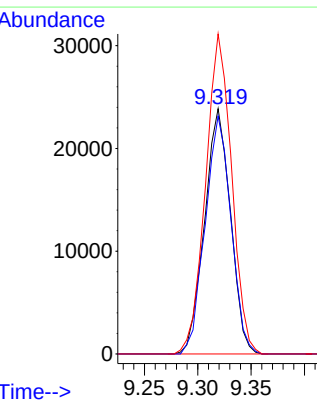
Tgt Ion:117 Resp: 40307

Ion Ratio Lower Upper

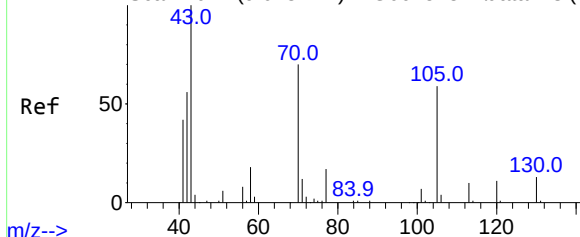
117 100

119 97.0 75.4 113.2

201 130.5 99.2 148.8



Abundance Scan 1011 (9.028 min): BG064573.D\data.ms (-1

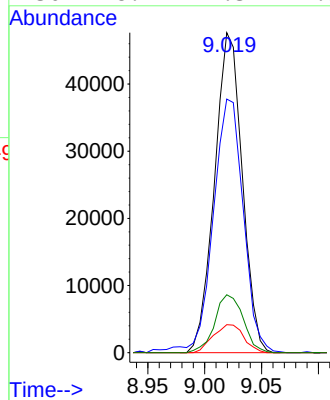
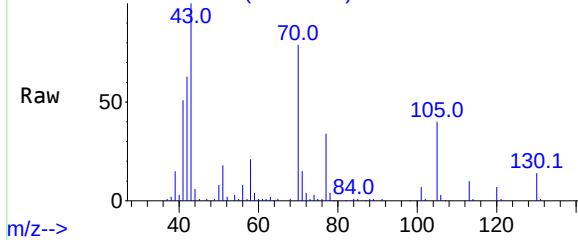


#19
n-Nitroso-di-n-propylamine
Concen: 44.910 ng
RT: 9.019 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

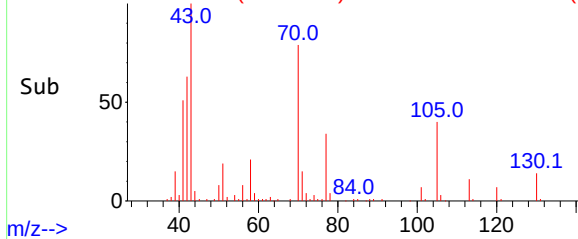
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:	70	Resp:	80697
Ion	Ratio	Lower	Upper
70	100		
42	79.2	65.2	97.8
101	8.7	7.9	11.9
130	18.1	14.3	21.5

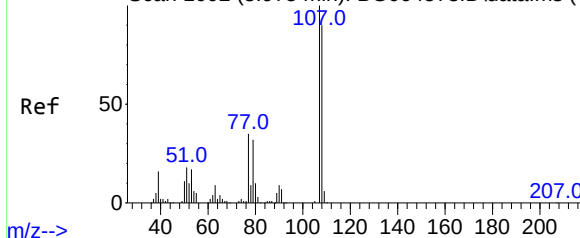
Abundance Scan 1009 (9.019 min): BG064628.D\data.ms



Abundance Scan 1009 (9.019 min): BG064628.D\data.ms (-9



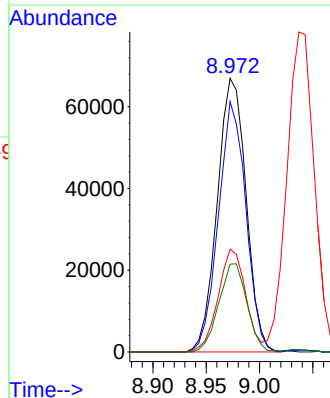
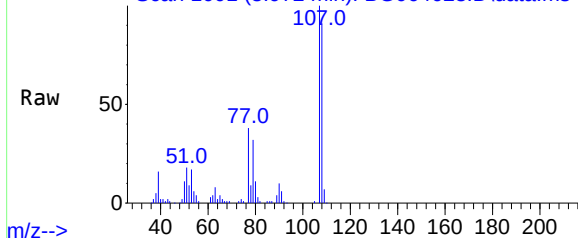
Abundance Scan 1002 (8.975 min): BG064573.D\data.ms (-9



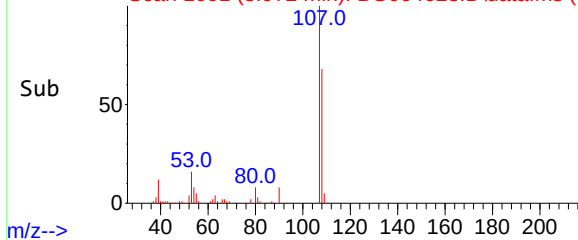
#20
3+4-Methylphenols
Concen: 46.893 ng
RT: 8.972 min Scan# 1001
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

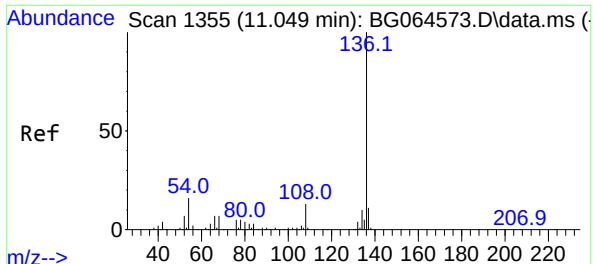
Tgt Ion:	107	Resp:	125897
Ion	Ratio	Lower	Upper
107	100		
108	91.4	70.3	110.3
77	37.6	14.6	54.6
79	32.1	11.7	51.7

Abundance Scan 1001 (8.972 min): BG064628.D\data.ms



Abundance Scan 1001 (8.972 min): BG064628.D\data.ms (-9



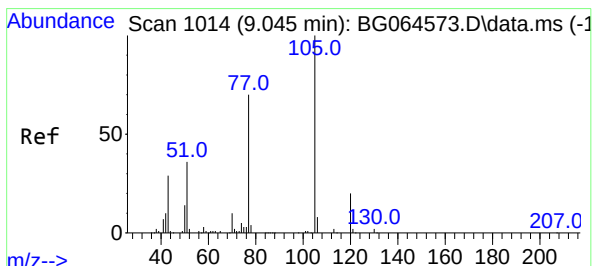
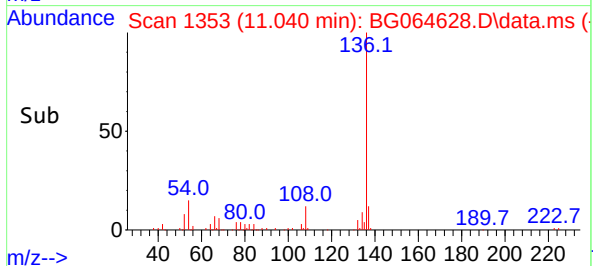
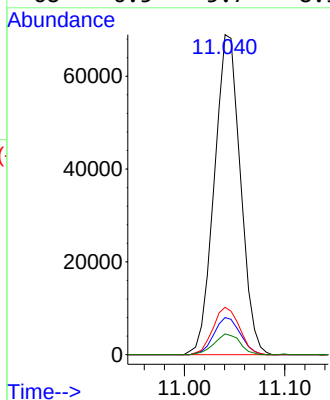
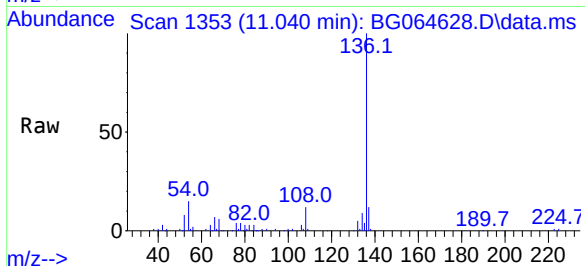


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:136 Resp: 124534

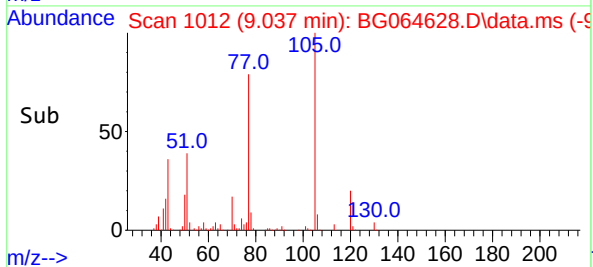
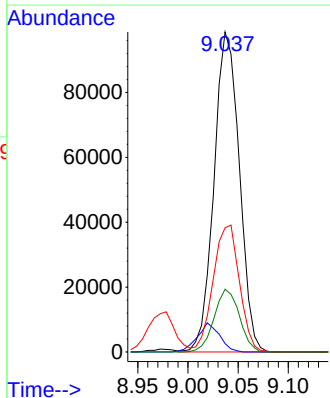
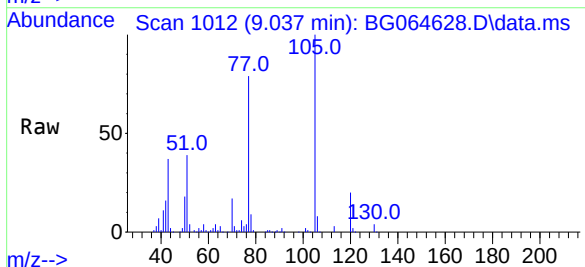
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	14.8	12.6	19.0
68	6.5	5.7	8.5

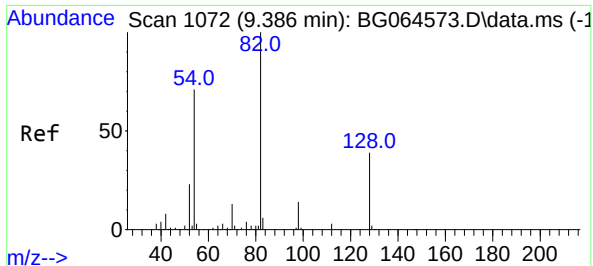


#22
Acetophenone
Concen: 50.758 ng
RT: 9.037 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:105 Resp: 172795

Ion	Ratio	Lower	Upper
105	100		
71	2.6	1.5	2.3#
51	38.8	33.7	50.5
120	19.6	16.1	24.1





#23

Nitrobenzene-d5

Concen: 74.861 ng

RT: 9.378 min Scan# 1072

Delta R.T. -0.012 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

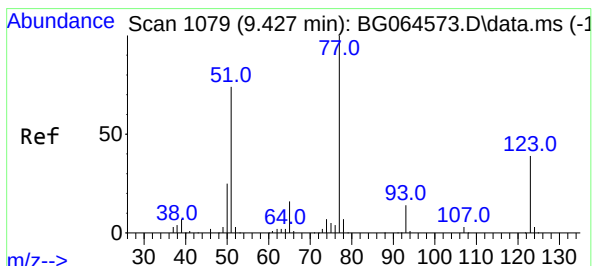
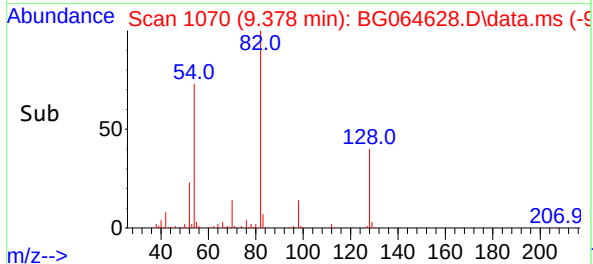
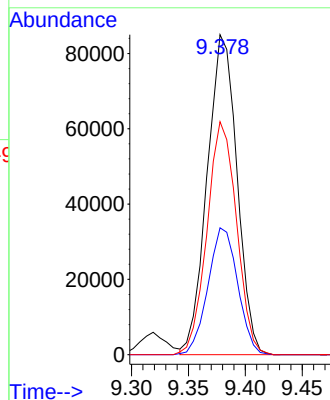
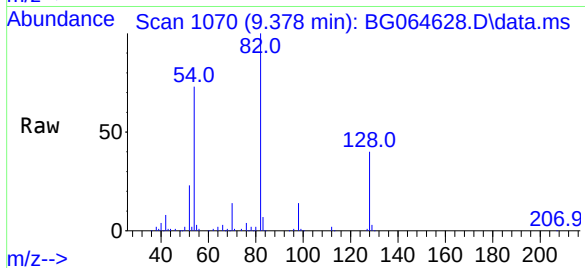
Tgt Ion: 82 Resp: 155218

Ion Ratio Lower Upper

82 100

128 39.7 31.3 46.9

54 72.8 56.6 84.8



#24

Nitrobenzene

Concen: 54.514 ng

RT: 9.425 min Scan# 1078

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

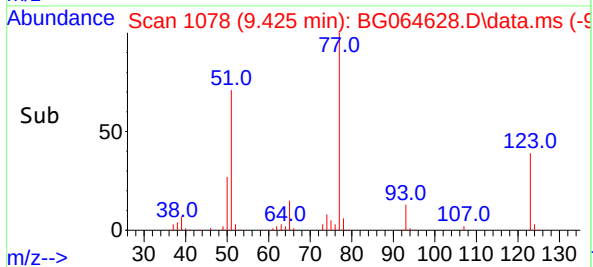
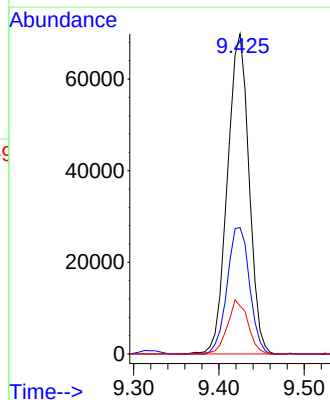
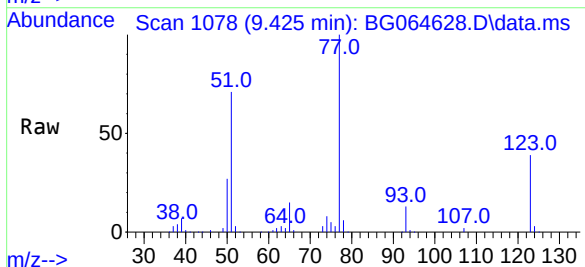
Tgt Ion: 77 Resp: 122938

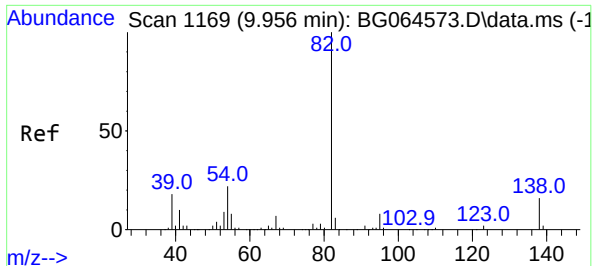
Ion Ratio Lower Upper

77 100

123 39.5 31.0 46.6

65 15.0 12.7 19.1

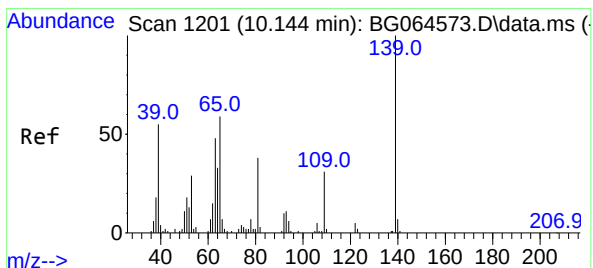
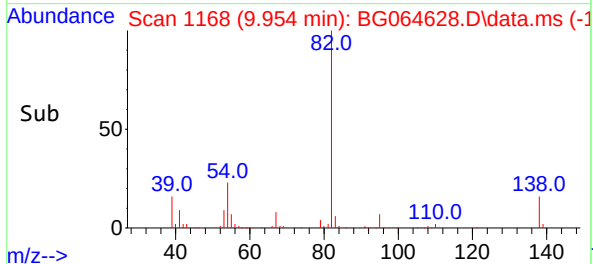
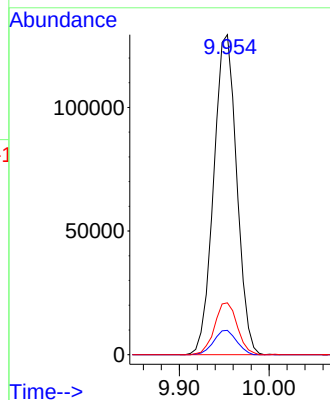
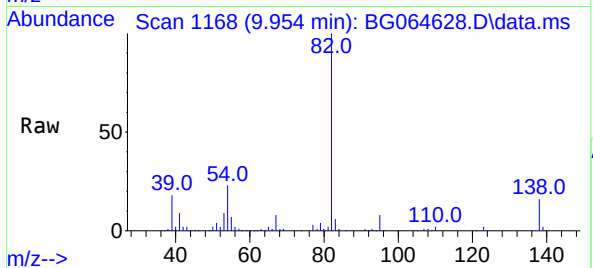




#25
Isophorone
Concen: 46.278 ng
RT: 9.954 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

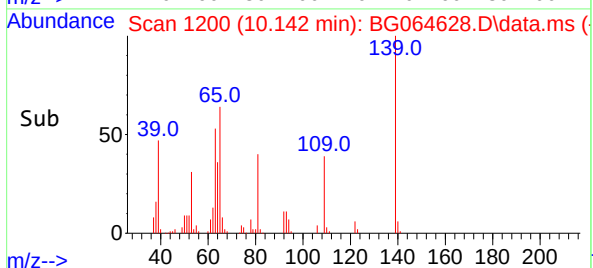
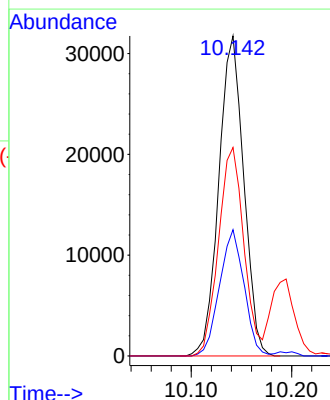
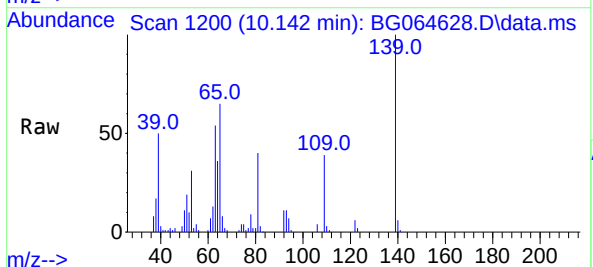
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

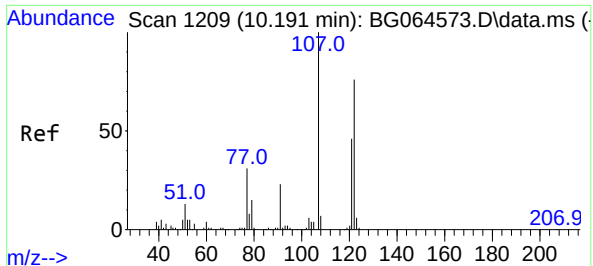
Tgt Ion: 82 Resp: 230244
Ion Ratio Lower Upper
82 100
95 7.6 6.1 9.1
138 16.2 13.0 19.4



#26
2-Nitrophenol
Concen: 62.001 ng
RT: 10.142 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 139 Resp: 54798
Ion Ratio Lower Upper
139 100
109 39.5 24.6 37.0#
65 65.2 47.5 71.3

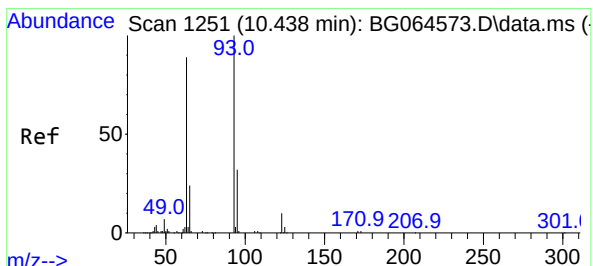
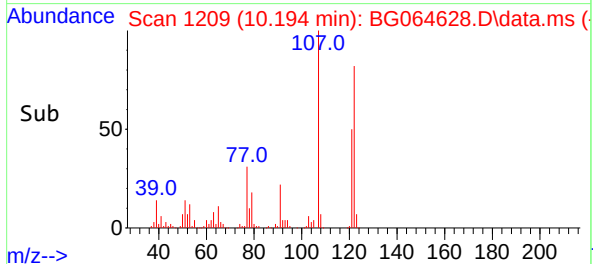
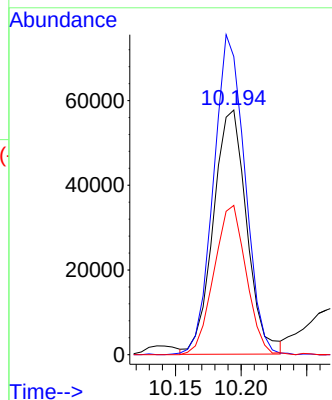
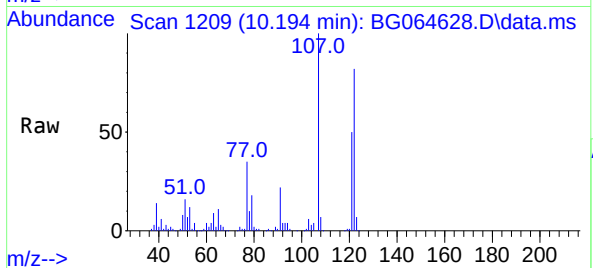




#27
2,4-Dimethylphenol
Concen: 54.121 ng
RT: 10.194 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

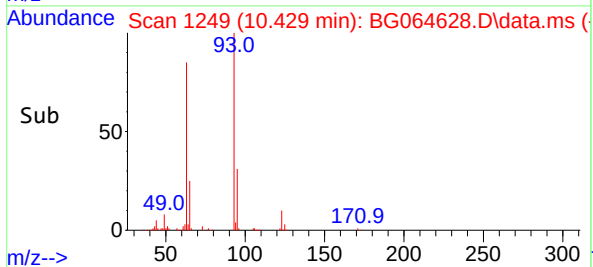
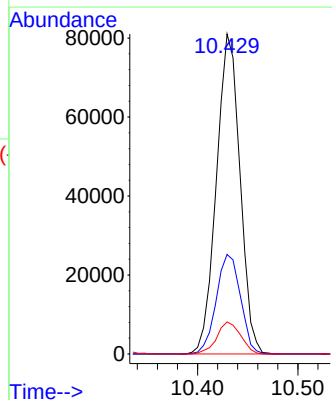
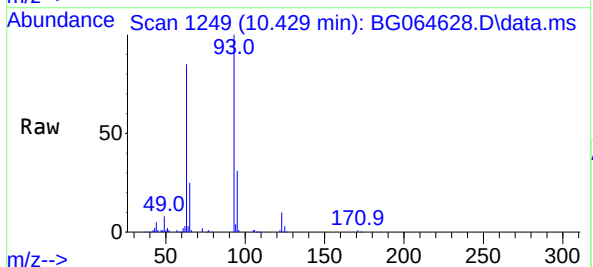
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

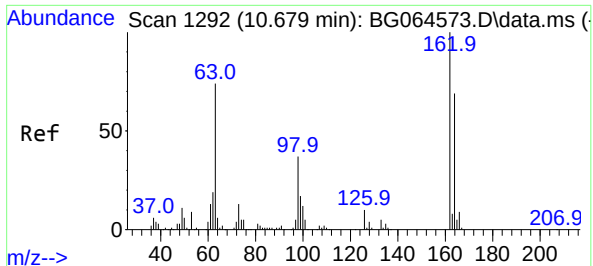
Tgt Ion:122 Resp: 102164
Ion Ratio Lower Upper
122 100
107 121.8 103.0 154.4
121 61.0 47.8 71.8



#28
bis(2-Chloroethoxy)methane
Concen: 46.587 ng
RT: 10.429 min Scan# 1249
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 93 Resp: 131967
Ion Ratio Lower Upper
93 100
95 31.1 25.4 38.2
123 10.0 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 53.143 ng

RT: 10.676 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

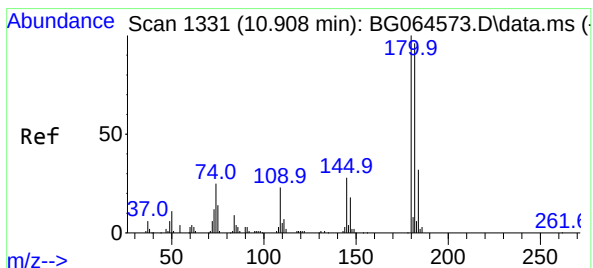
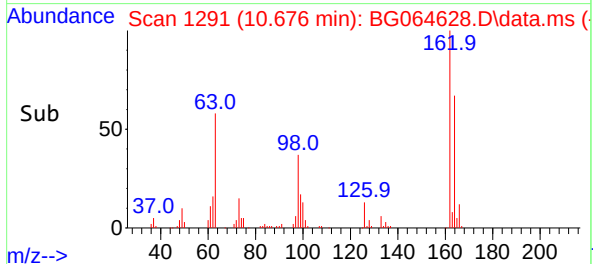
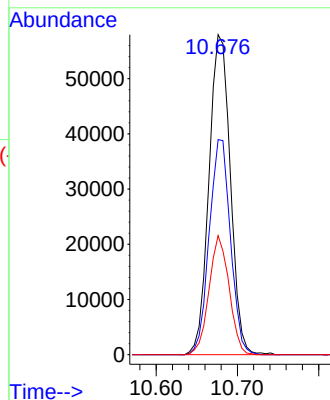
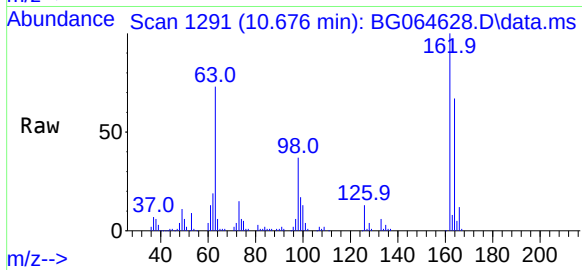
Tgt Ion:162 Resp: 105842

Ion Ratio Lower Upper

162 100

164 67.2 48.7 88.7

98 37.2 16.9 56.9



#30

1,2,4-Trichlorobenzene

Concen: 52.868 ng

RT: 10.899 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

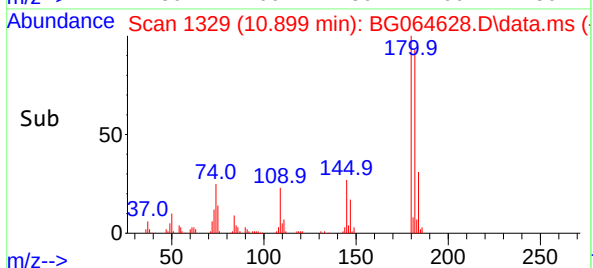
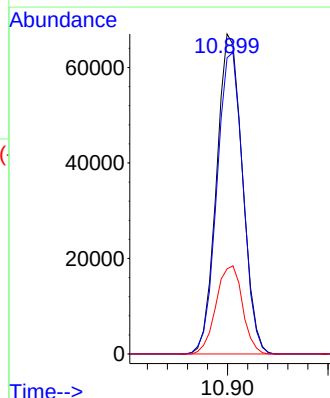
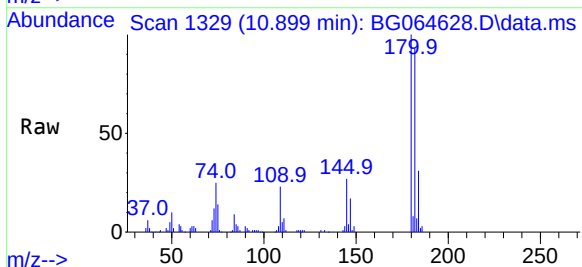
Tgt Ion:180 Resp: 119635

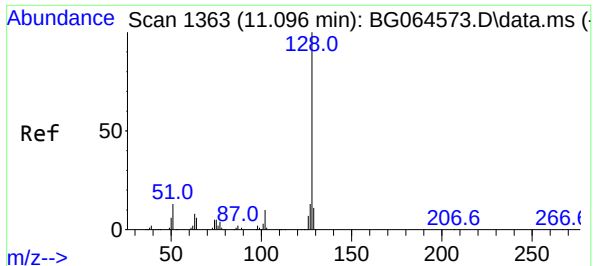
Ion Ratio Lower Upper

180 100

182 92.6 76.9 115.3

145 26.6 22.1 33.1

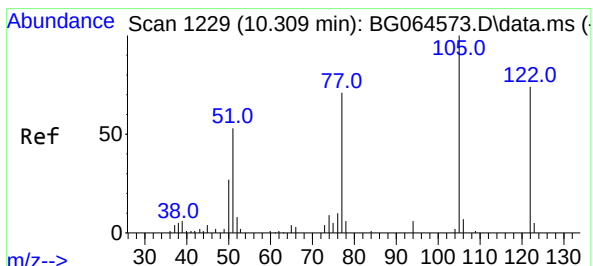
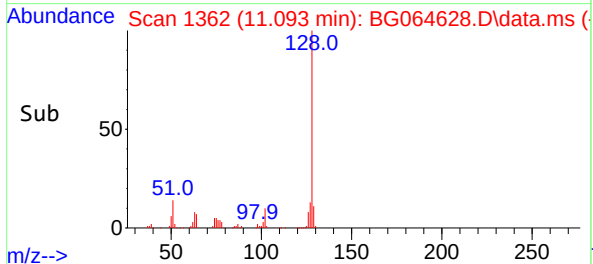
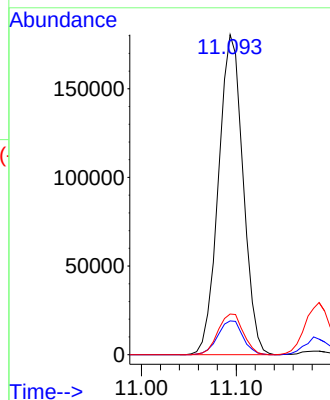
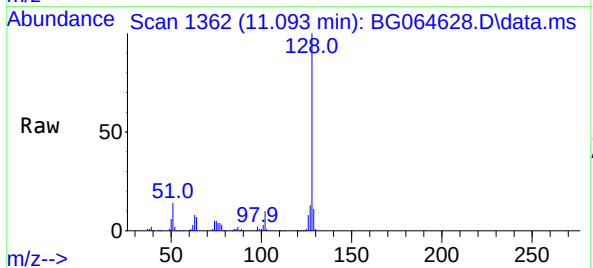




#31
Naphthalene
Concen: 47.081 ng
RT: 11.093 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

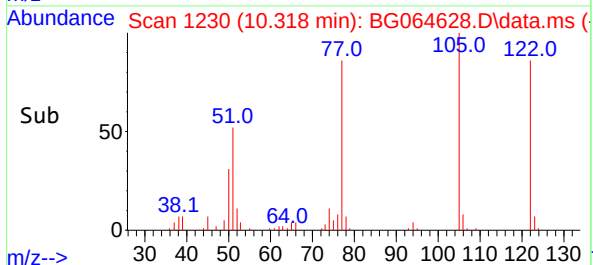
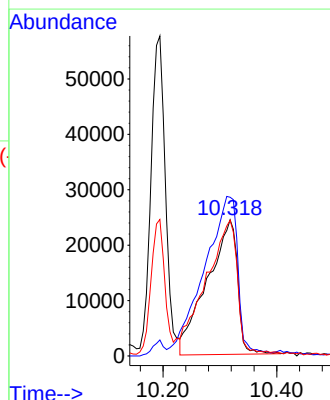
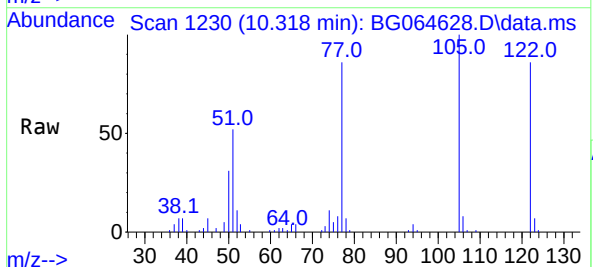
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:128 Resp: 325077
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.7 10.6 15.8

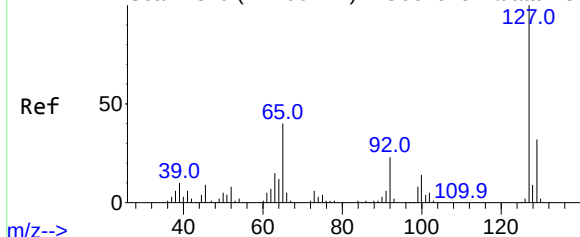


#32
Benzoic acid
Concen: 63.358 ng
RT: 10.318 min Scan# 1230
Delta R.T. -0.024 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:122 Resp: 89736
Ion Ratio Lower Upper
122 100
105 116.5 104.2 144.2
77 99.7 70.2 110.2



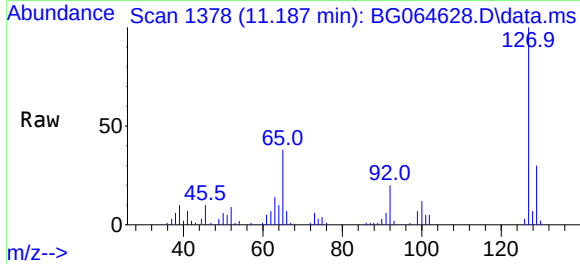
Abundance Scan 1379 (11.190 min): BG064573.D\data.ms (



#33
4-Chloroaniline
Concen: 20.286 ng
RT: 11.187 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

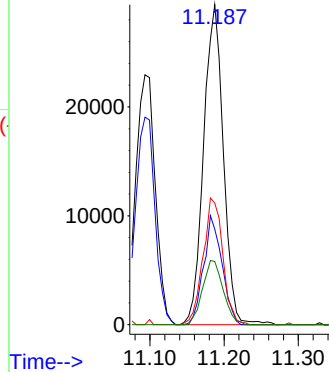
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

m/z--> Abundance Scan 1378 (11.187 min): BG064628.D\data.ms

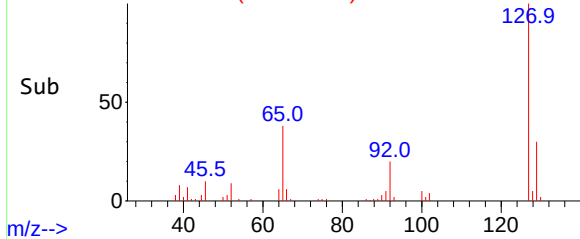


Tgt Ion:127 Resp: 54442
Ion Ratio Lower Upper
127 100
129 29.8 25.5 38.3
65 38.0 32.2 48.4
92 19.8 18.2 27.2

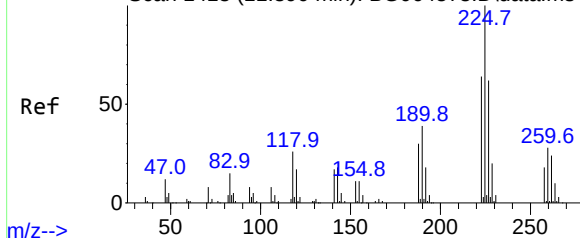
Abundance



m/z--> Abundance Scan 1378 (11.187 min): BG064628.D\data.ms (



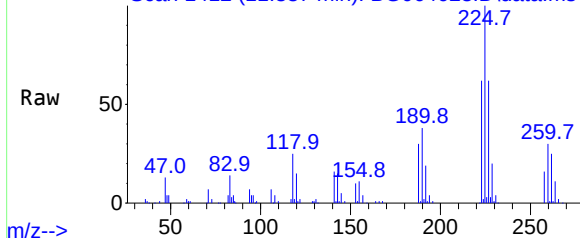
Abundance Scan 1413 (11.390 min): BG064573.D\data.ms (



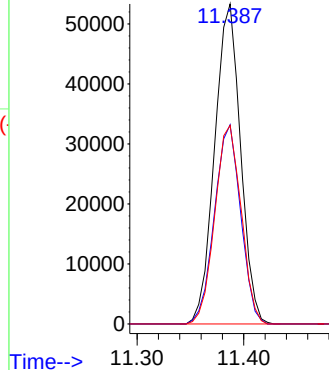
#34
Hexachlorobutadiene
Concen: 50.775 ng
RT: 11.387 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:225 Resp: 89857
Ion Ratio Lower Upper
225 100
223 60.3 48.8 73.2
227 60.1 49.5 74.3

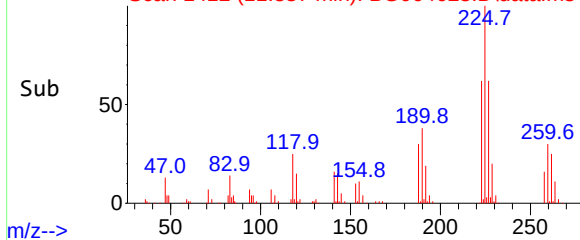
m/z--> Abundance Scan 1412 (11.387 min): BG064628.D\data.ms

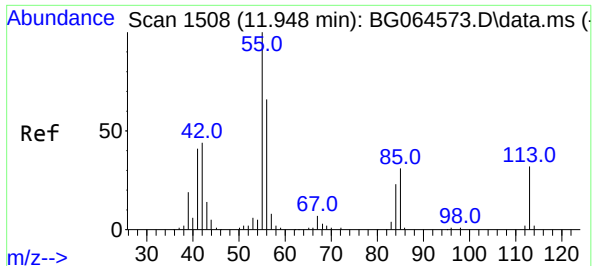


Abundance



m/z--> Abundance Scan 1412 (11.387 min): BG064628.D\data.ms (

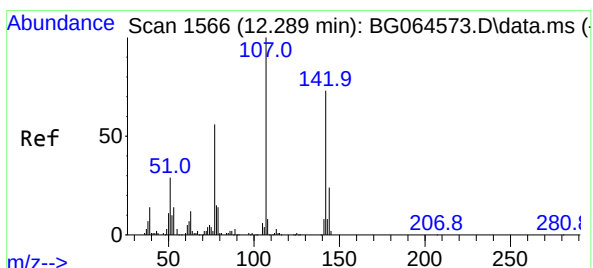
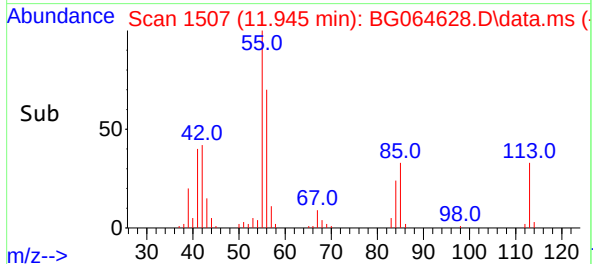
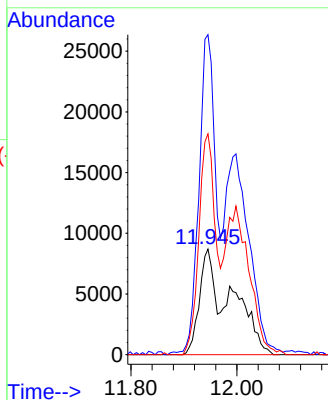
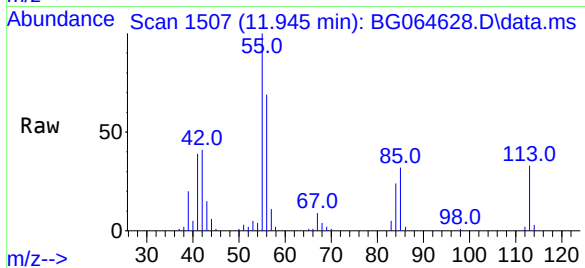




#35
Caprolactam
Concen: 46.490 ng m
RT: 11.945 min Scan# 11
Delta R.T. -0.030 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

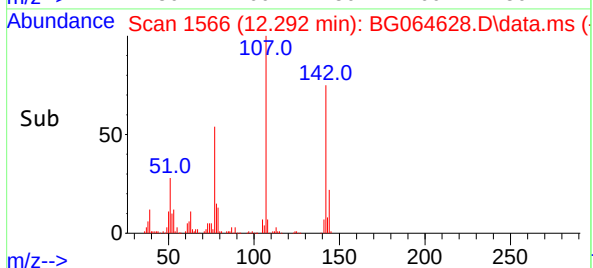
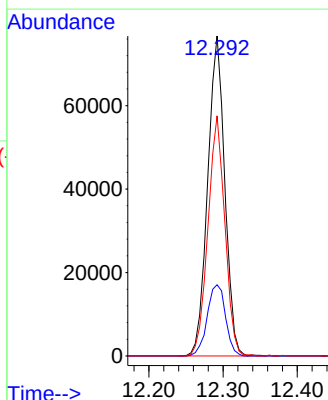
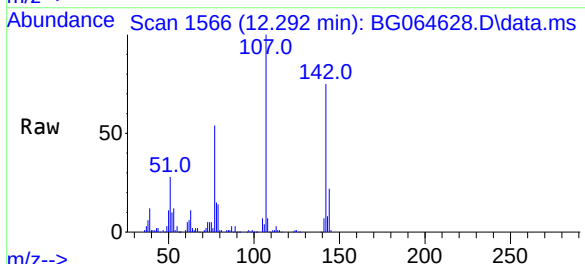
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

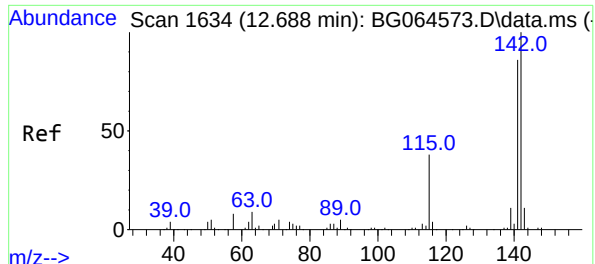
Tgt Ion	Ratio	Lower	Upper
113	100		
55	303.2	290.1	330.1
56	209.1	183.8	223.8



#36
4-Chloro-3-methylphenol
Concen: 51.210 ng
RT: 12.292 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.3	19.1	28.7
142	75.1	58.6	87.8





#37

2-Methylnaphthalene

Concen: 43.321 ng

RT: 12.686 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

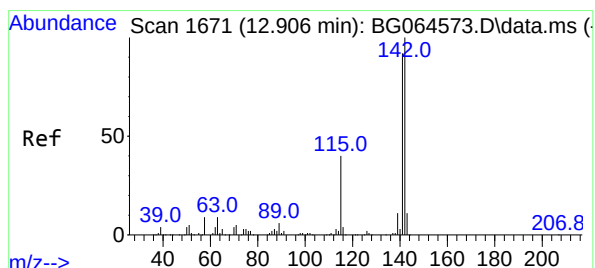
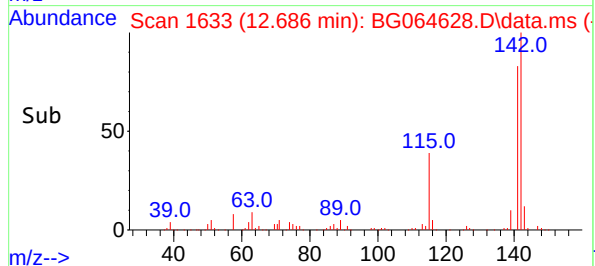
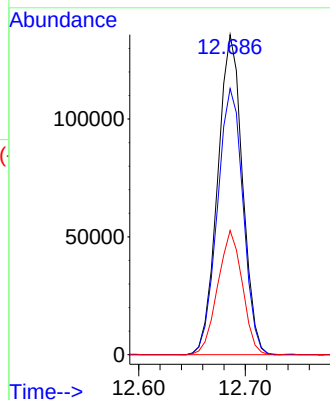
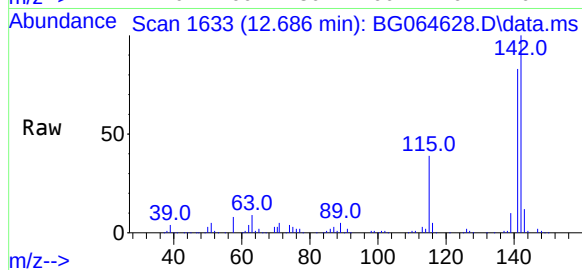
Tgt Ion:142 Resp: 219604

Ion Ratio Lower Upper

142 100

141 83.2 68.9 103.3

115 38.8 30.6 46.0



#38

1-Methylnaphthalene

Concen: 45.818 ng

RT: 12.903 min Scan# 1670

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

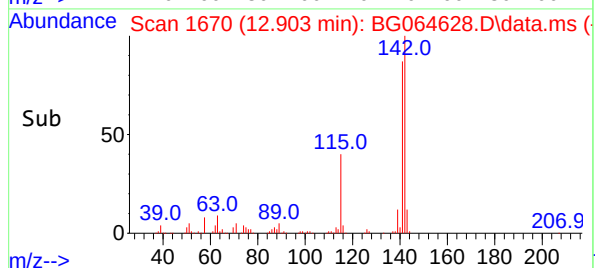
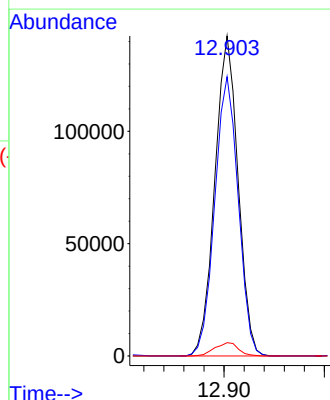
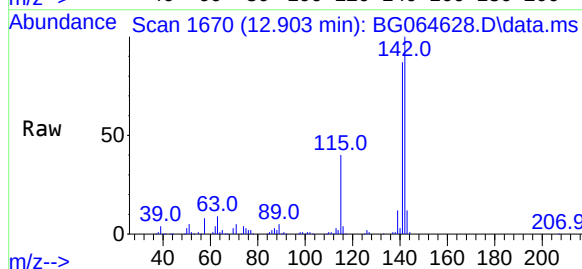
Tgt Ion:142 Resp: 228542

Ion Ratio Lower Upper

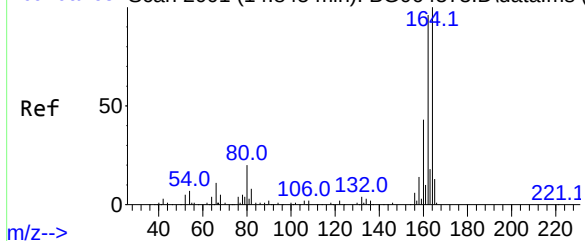
142 100

141 87.2 73.3 109.9

116 4.1 3.1 4.7



Abundance Scan 2001 (14.845 min): BG064573.D\data.ms (



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 20
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

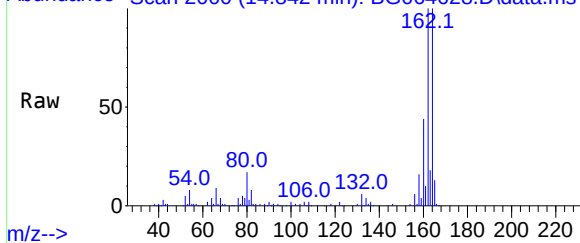
Instrument :

BNA_G

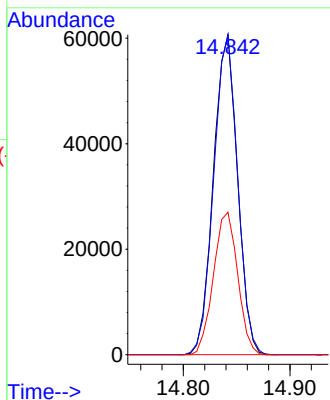
ClientSampleId :

PR-132-S16-015094-20251021MSD

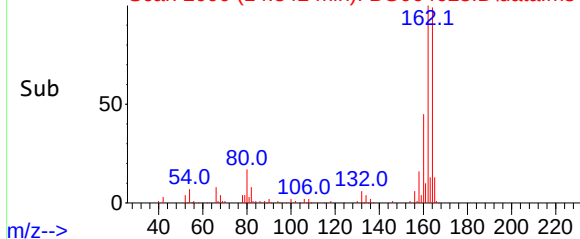
m/z--> Abundance Scan 2000 (14.842 min): BG064628.D\data.ms



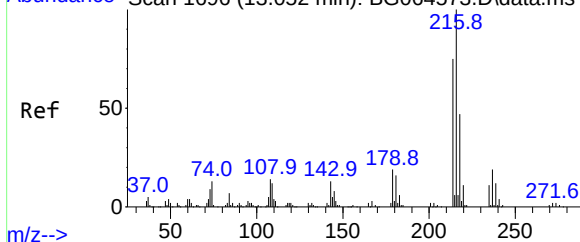
Tgt Ion:164 Resp: 94989
Ion Ratio Lower Upper
164 100
162 99.9 77.0 115.6
160 44.5 34.4 51.6



Abundance Scan 2000 (14.842 min): BG064628.D\data.ms (



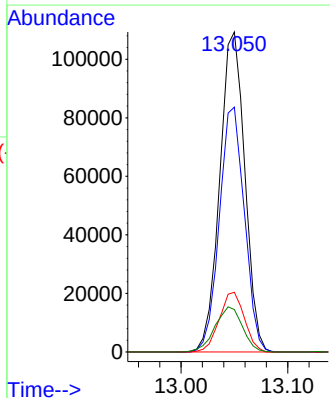
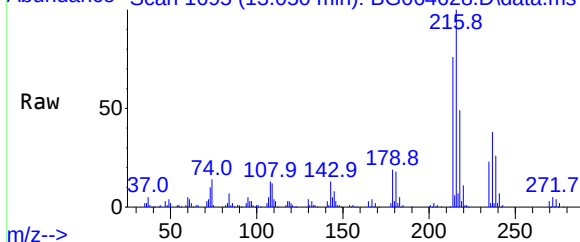
Abundance Scan 1696 (13.052 min): BG064573.D\data.ms (



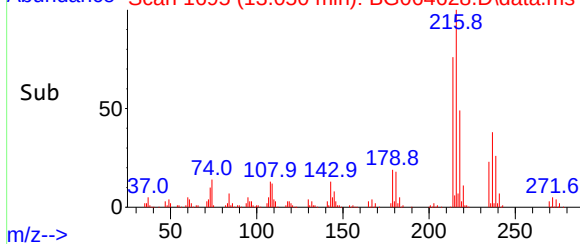
#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.934 ng
RT: 13.050 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

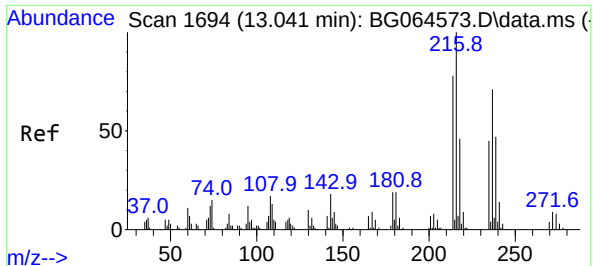
Tgt Ion:216 Resp: 178313
Ion Ratio Lower Upper
216 100
214 76.5 61.4 92.2
179 18.7 15.4 23.0
108 15.4 11.8 17.6

m/z--> Abundance Scan 1695 (13.050 min): BG064628.D\data.ms



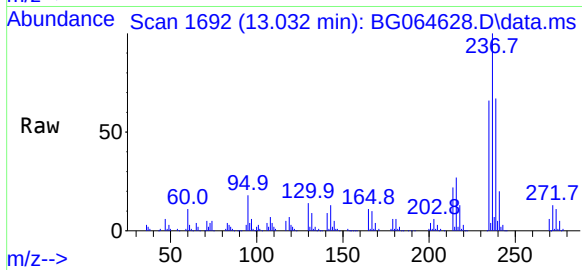
Abundance Scan 1695 (13.050 min): BG064628.D\data.ms (



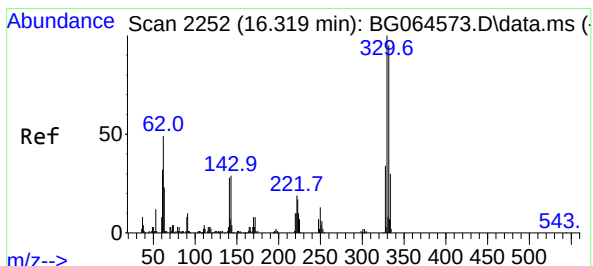
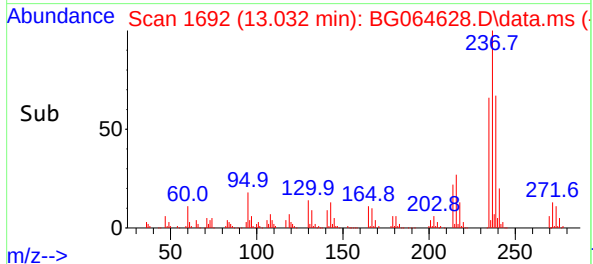
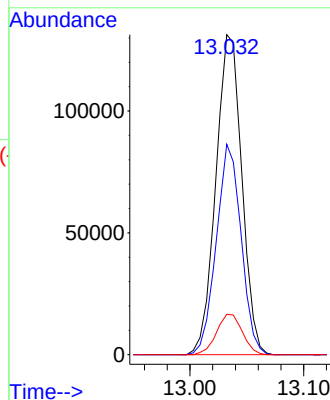


#41
Hexachlorocyclopentadiene
Concen: 145.386 ng
RT: 13.032 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

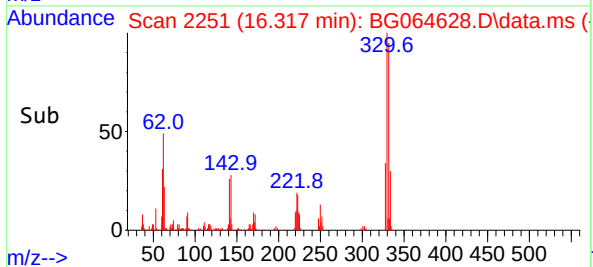
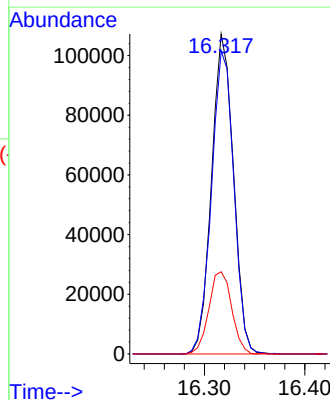
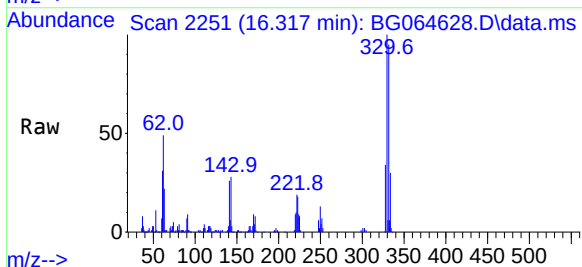


Tgt Ion:237 Resp: 208614
Ion Ratio Lower Upper
237 100
235 65.8 44.1 84.1
272 12.6 0.0 32.4

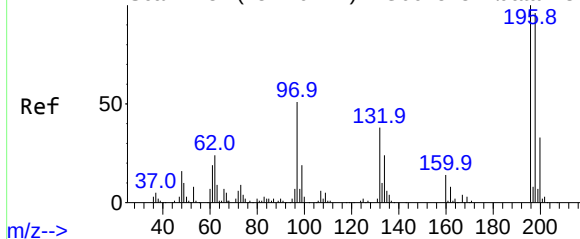


#42
2,4,6-Tribromophenol
Concen: 118.302 ng
RT: 16.317 min Scan# 2251
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:330 Resp: 162190
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 27.0 21.8 32.6



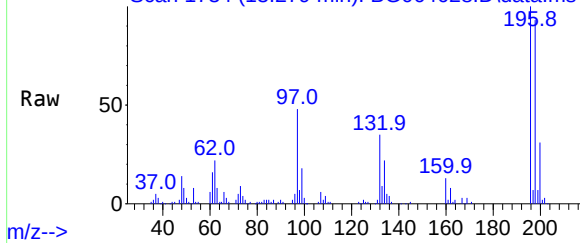
Abundance Scan 1734 (13.276 min): BG064573.D\data.ms (



#43
2,4,6-Trichlorophenol
Concen: 56.833 ng
RT: 13.279 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

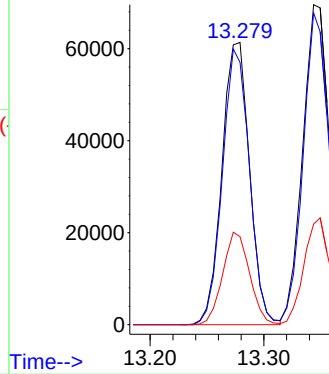
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

m/z--> Abundance Scan 1734 (13.279 min): BG064628.D\data.ms

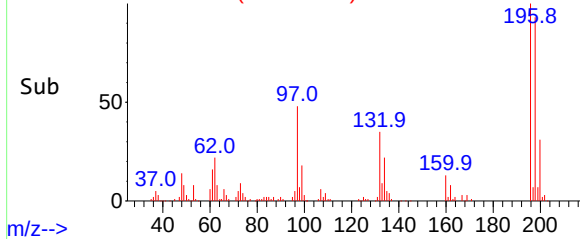


Tgt Ion:196 Resp: 103636
Ion Ratio Lower Upper
196 100
198 92.9 76.6 115.0
200 31.2 26.0 39.0

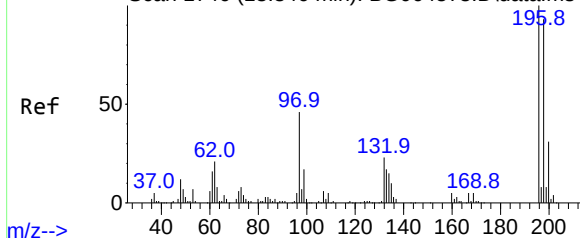
Abundance



m/z--> Abundance Scan 1734 (13.279 min): BG064628.D\data.ms (



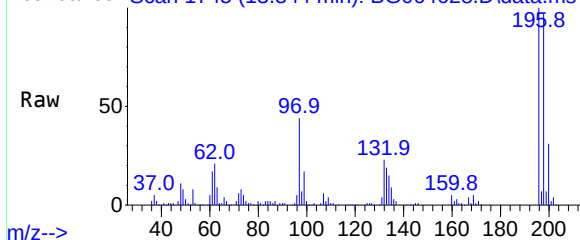
Abundance Scan 1746 (13.346 min): BG064573.D\data.ms (



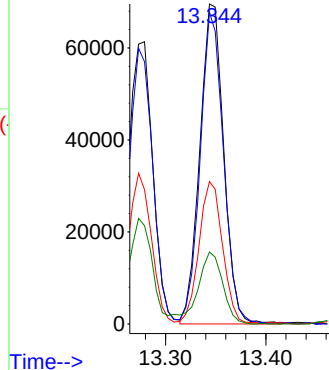
#44
2,4,5-Trichlorophenol
Concen: 54.963 ng
RT: 13.344 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:196 Resp: 115660
Ion Ratio Lower Upper
196 100
198 97.4 74.2 111.4
97 44.5 37.0 55.6
132 22.5 18.5 27.7

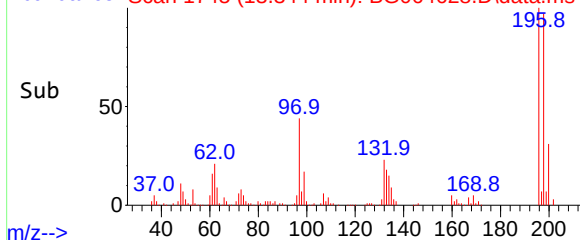
m/z--> Abundance Scan 1745 (13.344 min): BG064628.D\data.ms

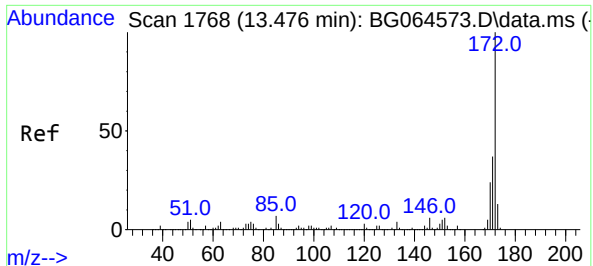


Abundance



m/z--> Abundance Scan 1745 (13.344 min): BG064628.D\data.ms (

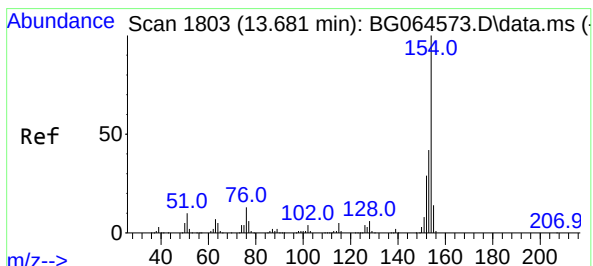
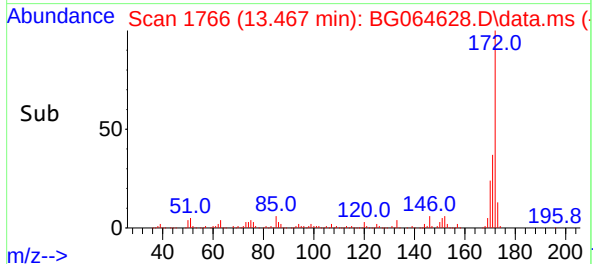
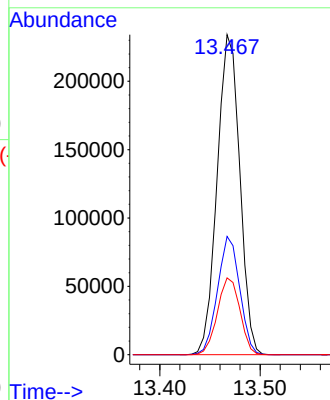
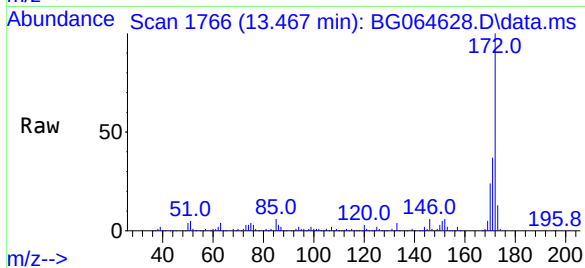




#45
2-Fluorobiphenyl
Concen: 58.437 ng
RT: 13.467 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

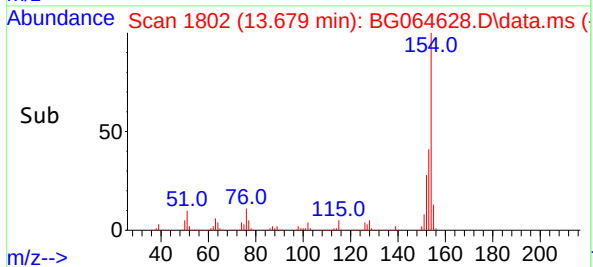
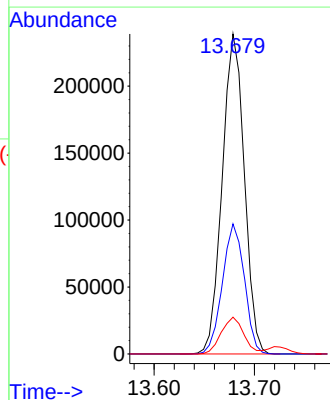
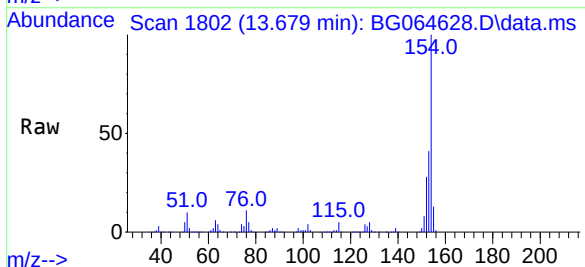
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

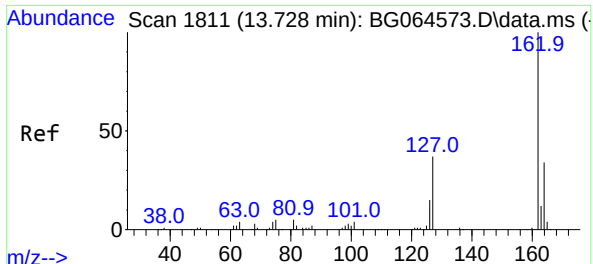
Tgt Ion:172 Resp: 366213
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.0 19.1 28.7



#46
1,1'-Biphenyl
Concen: 54.107 ng
RT: 13.679 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:154 Resp: 365386
Ion Ratio Lower Upper
154 100
153 40.6 22.4 62.4
76 11.5 0.0 33.5



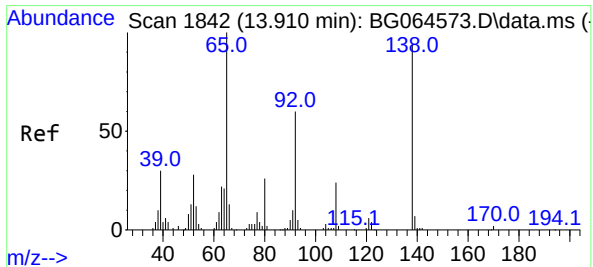
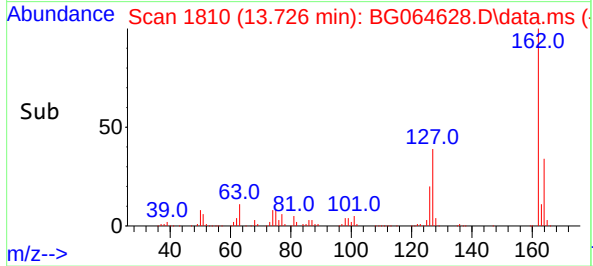
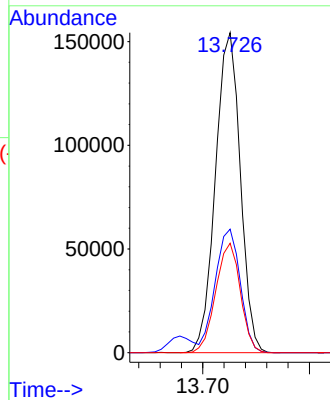
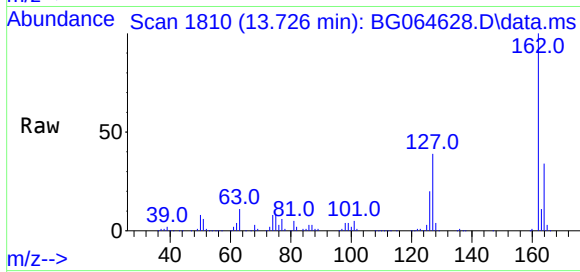


#47
2-Chloronaphthalene
Concen: 48.952 ng
RT: 13.726 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:162 Resp: 249530

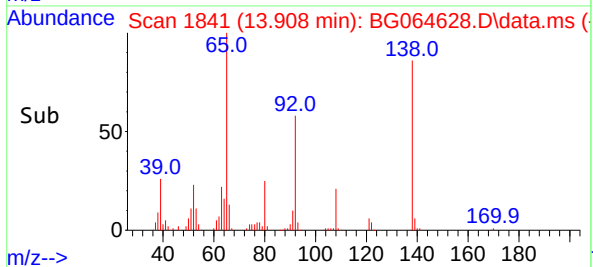
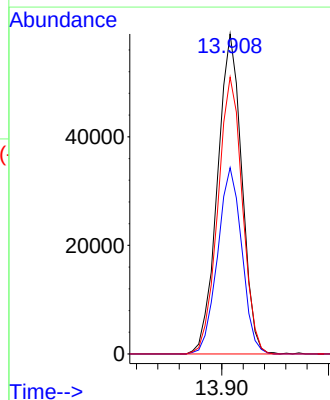
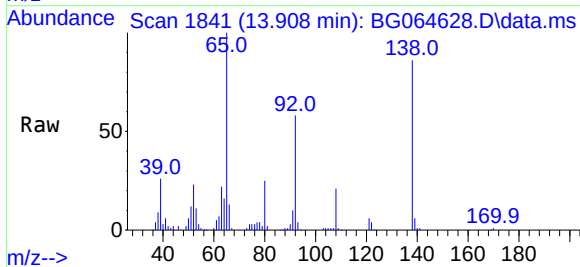
Ion	Ratio	Lower	Upper
162	100		
127	38.6	32.2	48.2
164	34.2	27.5	41.3

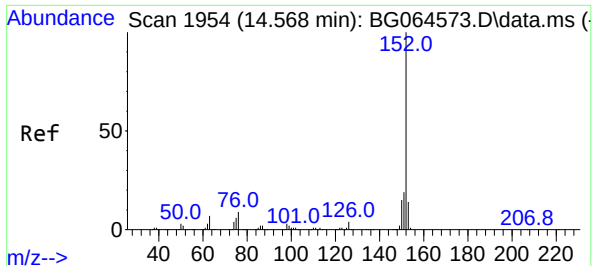


#48
2-Nitroaniline
Concen: 54.228 ng
RT: 13.908 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 65 Resp: 93564

Ion	Ratio	Lower	Upper
65	100		
92	58.2	48.3	72.5
138	86.5	74.9	112.3

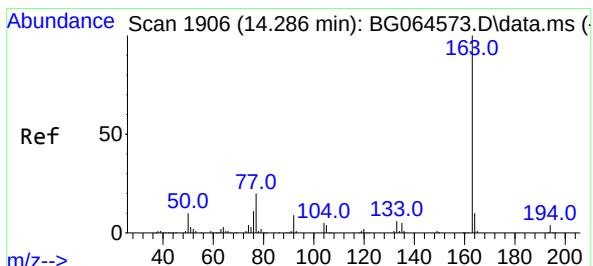
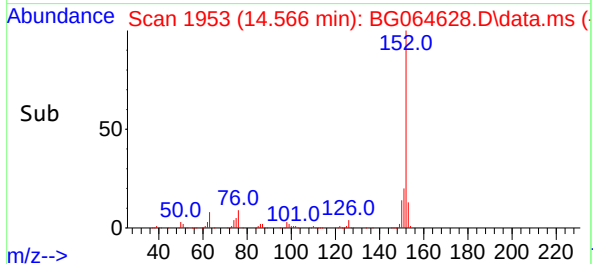
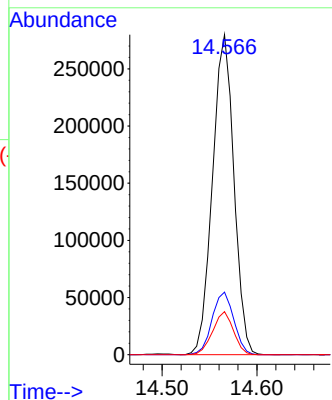
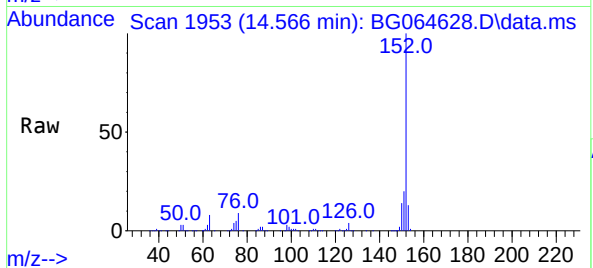




#49
Acenaphthylene
Concen: 54.693 ng
RT: 14.566 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

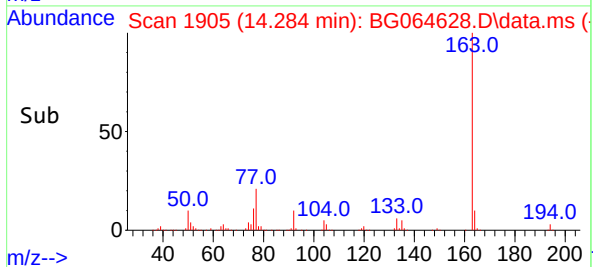
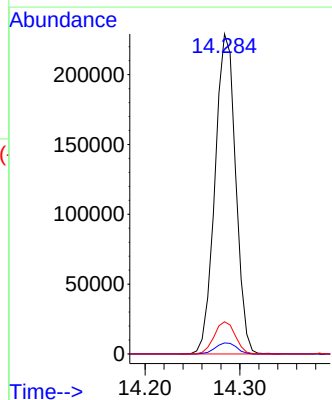
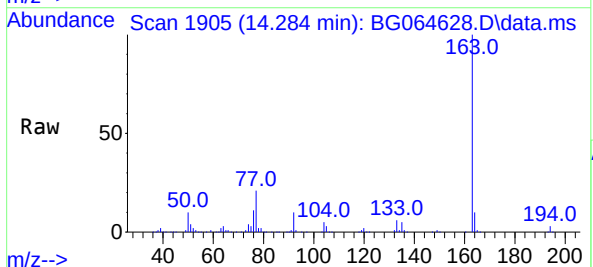
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

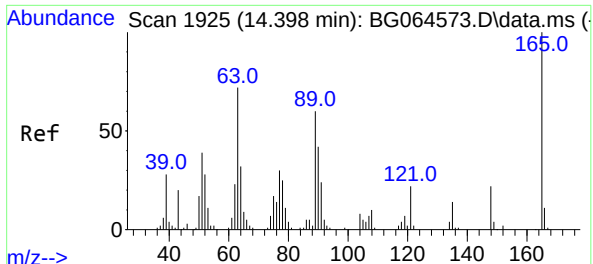
Tgt Ion:152 Resp: 439745
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.2
153 13.5 11.0 16.4



#50
Dimethylphthalate
Concen: 47.761 ng
RT: 14.284 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:163 Resp: 347153
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 10.1 7.7 11.5





#51

2,6-Dinitrotoluene

Concen: 58.141 ng

RT: 14.395 min Scan# 1925

Delta R.T. -0.007 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

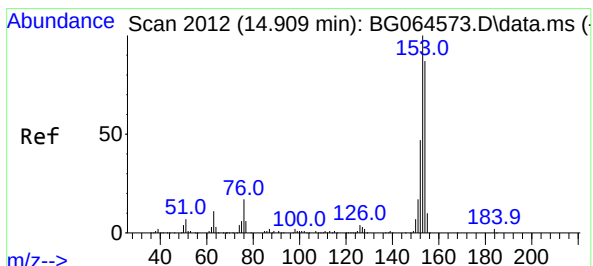
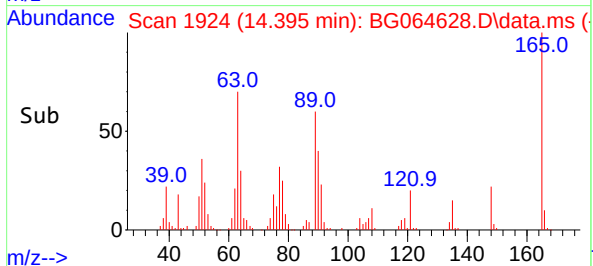
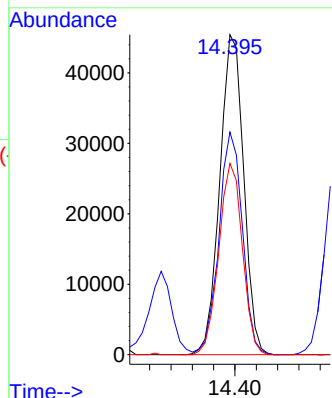
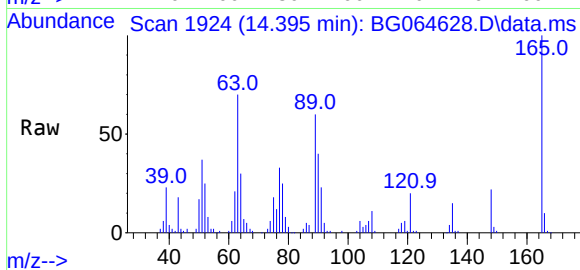
Tgt Ion:165 Resp: 70596

Ion Ratio Lower Upper

165 100

63 69.6 57.4 86.0

89 59.8 47.8 71.8



#52

Acenaphthene

Concen: 54.976 ng

RT: 14.907 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

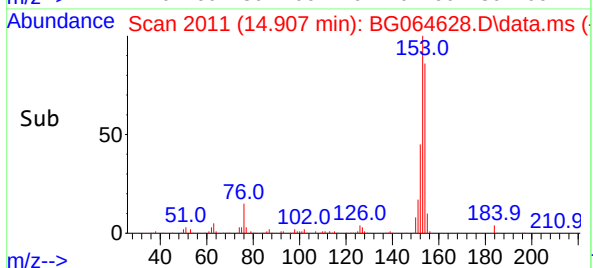
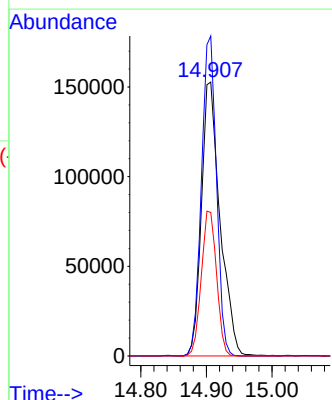
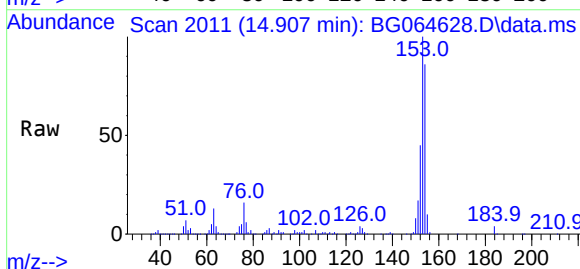
Tgt Ion:154 Resp: 301997

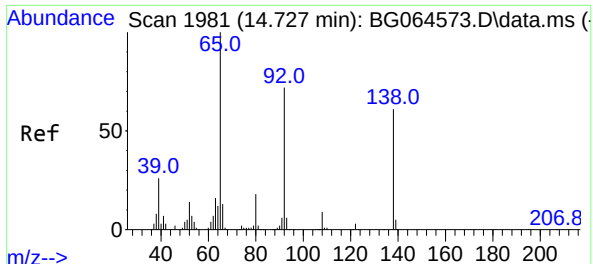
Ion Ratio Lower Upper

154 100

153 116.8 92.2 138.4

152 52.4 43.2 64.8





#53

3-Nitroaniline

Concen: 38.655 ng

RT: 14.724 min Scan# 1981

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

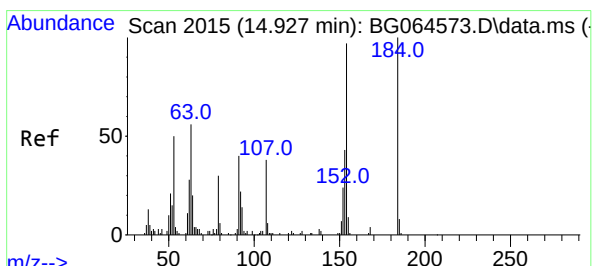
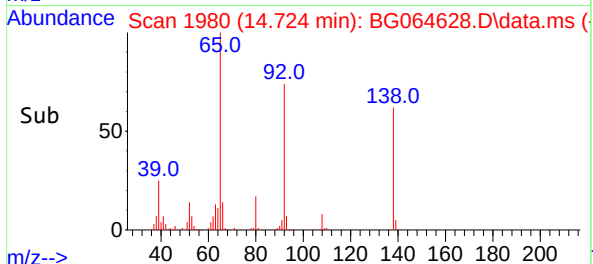
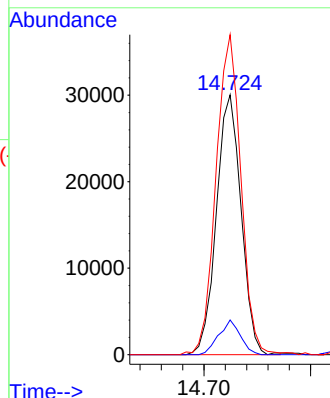
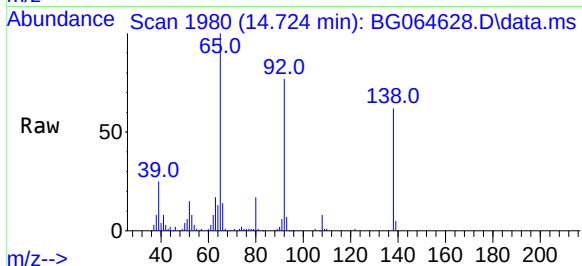
Tgt Ion:138 Resp: 48285

Ion Ratio Lower Upper

138 100

108 13.4 11.4 17.0

92 123.2 95.3 142.9



#54

2,4-Dinitrophenol

Concen: 127.399 ng

RT: 14.930 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

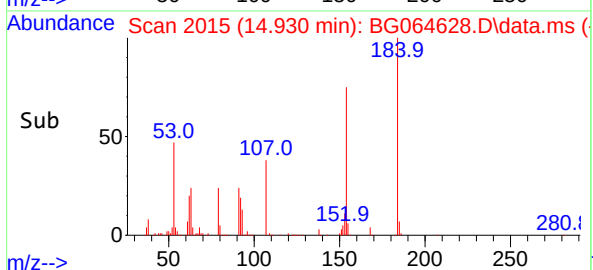
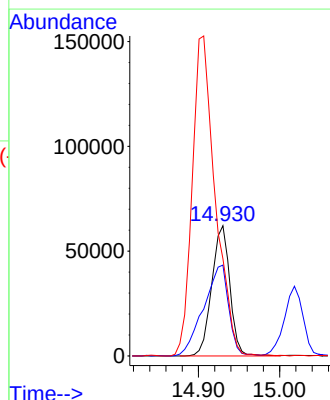
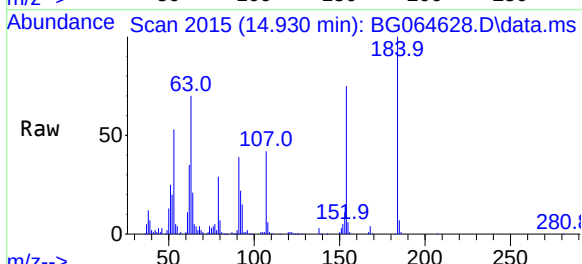
Tgt Ion:184 Resp: 96369

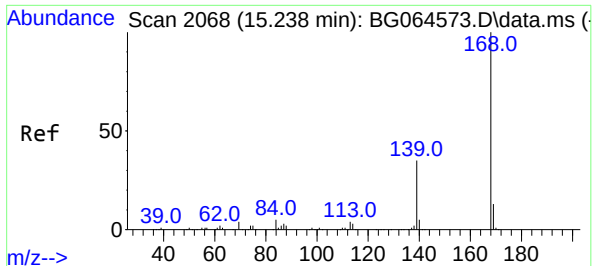
Ion Ratio Lower Upper

184 100

63 69.8 56.6 85.0

154 74.7 158.6 238.0#



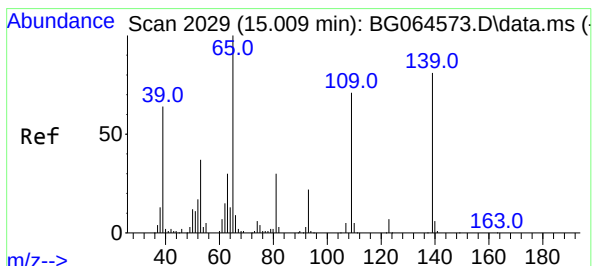
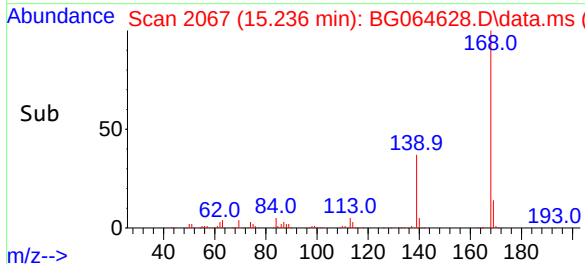
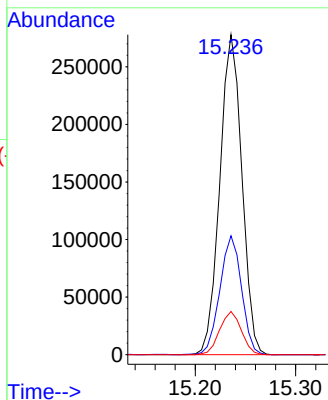
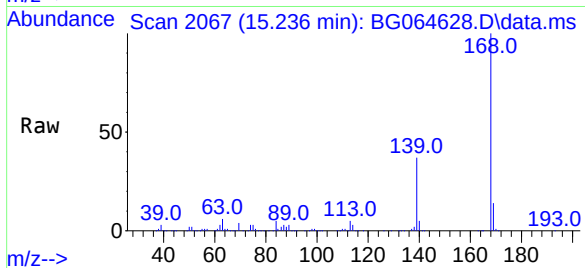


#55
Dibenzofuran
Concen: 47.718 ng
RT: 15.236 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:168 Resp: 423783

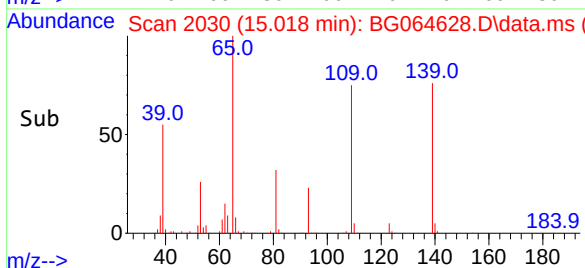
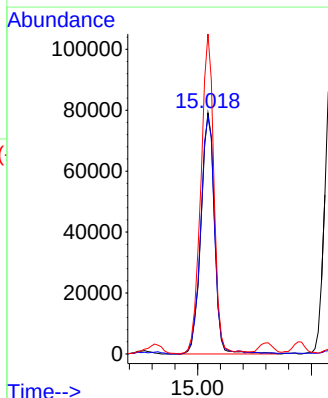
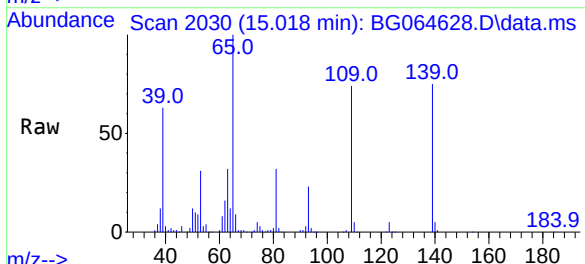
Ion	Ratio	Lower	Upper
168	100		
139	37.1	27.8	41.8
169	13.5	10.3	15.5

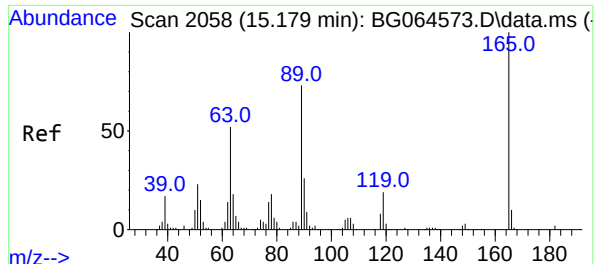


#56
4-Nitrophenol
Concen: 113.444 ng
RT: 15.018 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:139 Resp: 131383

Ion	Ratio	Lower	Upper
139	100		
109	98.3	67.8	107.8
65	132.7	103.7	143.7





#57

2,4-Dinitrotoluene

Concen: 54.664 ng

RT: 15.183 min Scan# 2058

Delta R.T. -0.006 min

Lab File: BG064628.D

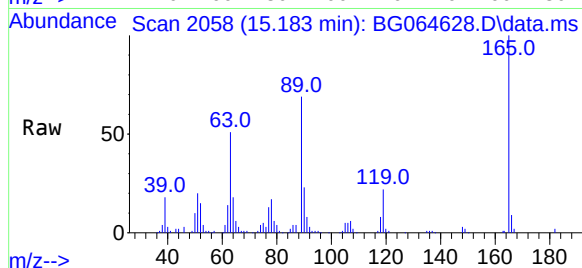
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



Tgt Ion:165 Resp: 102203

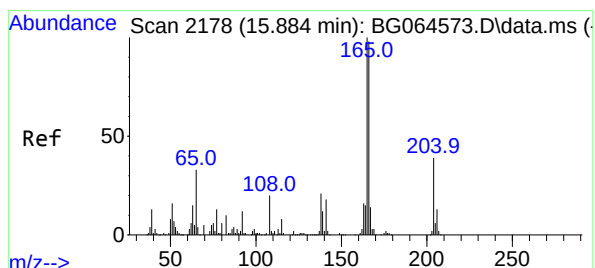
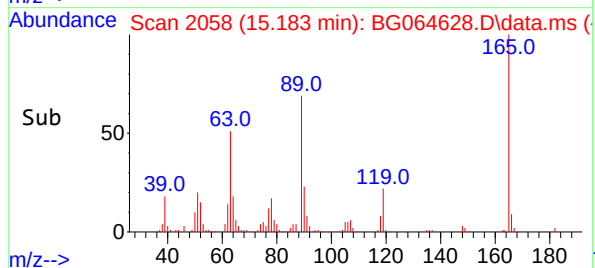
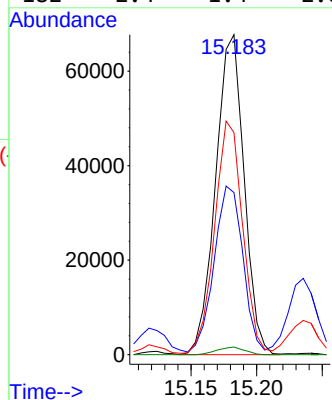
Ion Ratio Lower Upper

165 100

63 50.7 41.8 62.8

89 69.4 58.1 87.1

182 2.4 1.4 2.0#



#58

Fluorene

Concen: 48.236 ng

RT: 15.882 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

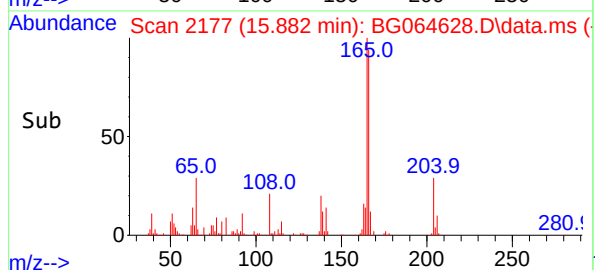
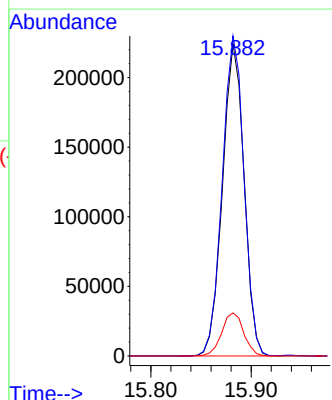
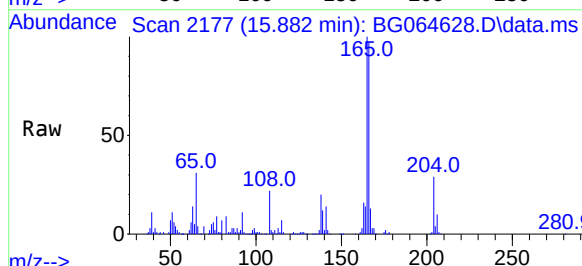
Tgt Ion:166 Resp: 334548

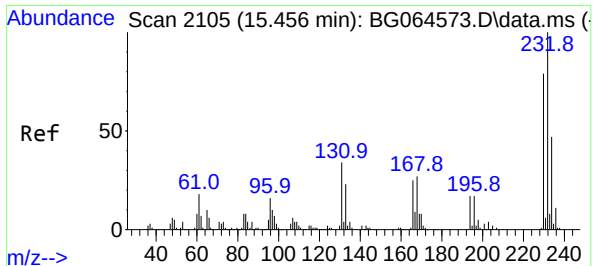
Ion Ratio Lower Upper

166 100

165 102.6 81.5 122.3

167 13.8 11.4 17.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 58.261 ng

RT: 15.453 min Scan# 2104

Delta R.T. -0.006 min

Lab File: BG064628.D

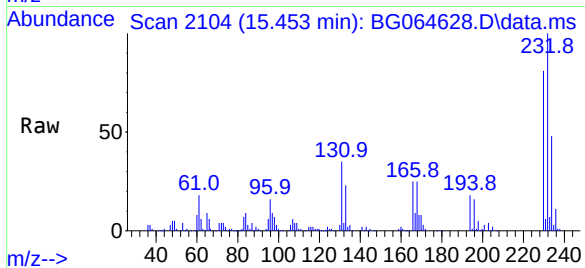
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



Tgt Ion:232 Resp: 117236

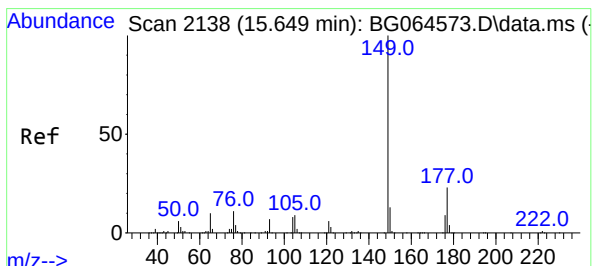
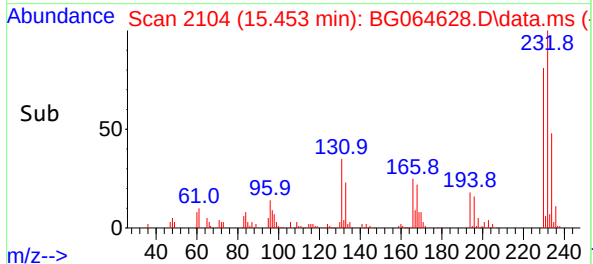
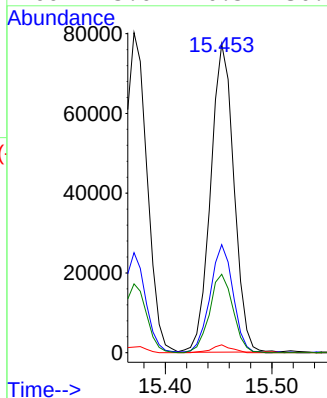
Ion Ratio Lower Upper

232 100

131 34.6 26.7 40.1

130 2.1 1.6 2.4

166 25.6 20.5 30.7



#60

Diethylphthalate

Concen: 47.184 ng

RT: 15.641 min Scan# 2136

Delta R.T. -0.012 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

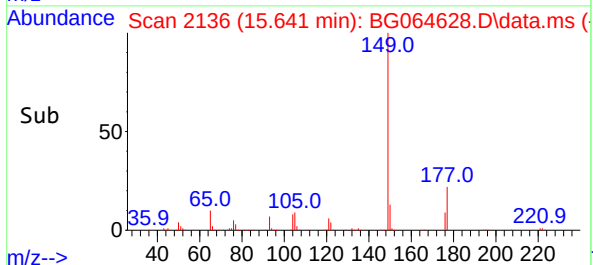
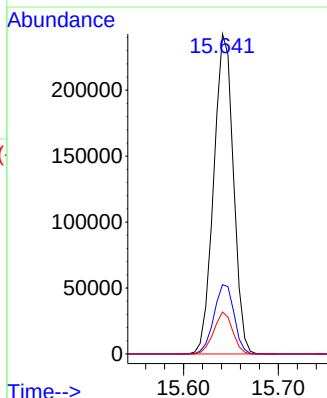
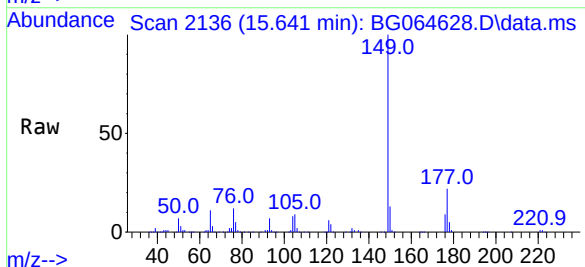
Tgt Ion:149 Resp: 350180

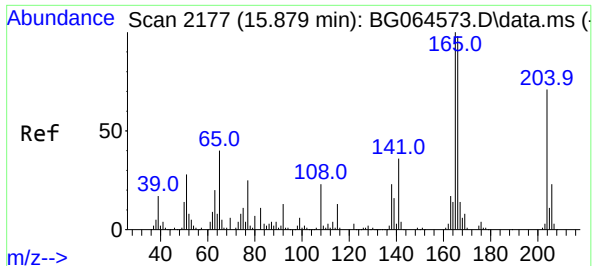
Ion Ratio Lower Upper

149 100

177 21.7 18.0 27.0

150 13.1 10.2 15.4

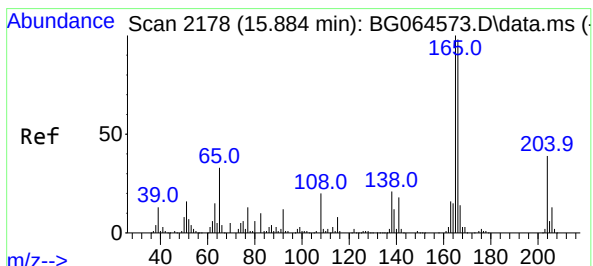
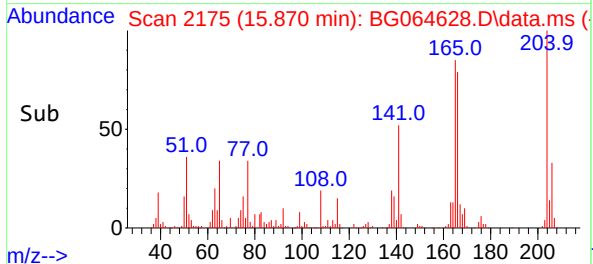
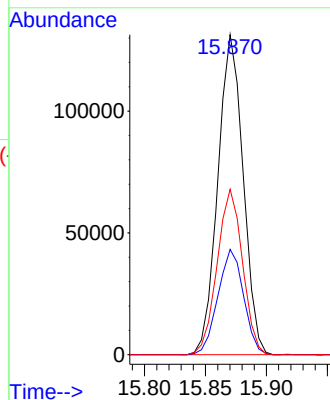
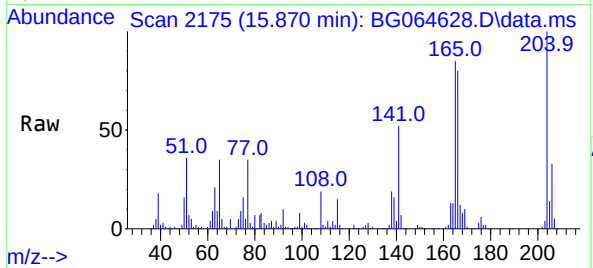




#61
4-Chlorophenyl-phenylether
Concen: 48.686 ng
RT: 15.870 min Scan# 2175
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

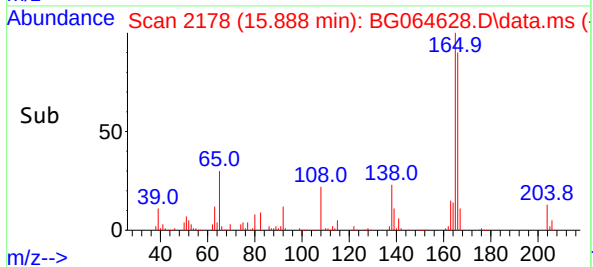
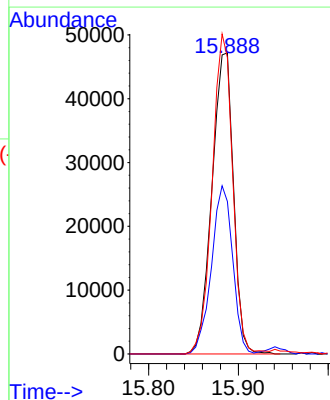
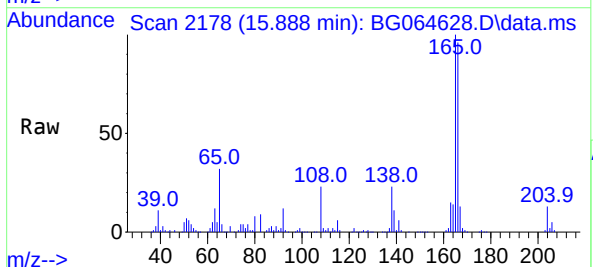
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

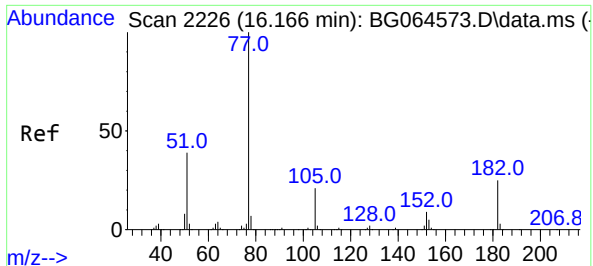
Tgt Ion:204 Resp: 189500
Ion Ratio Lower Upper
204 100
206 32.9 25.6 38.4
141 51.7 40.6 60.8



#62
4-Nitroaniline
Concen: 56.473 ng
RT: 15.888 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:138 Resp: 78479
Ion Ratio Lower Upper
138 100
92 50.6 36.1 76.1
108 98.4 75.6 115.6

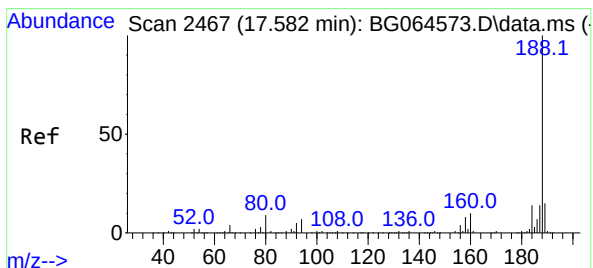
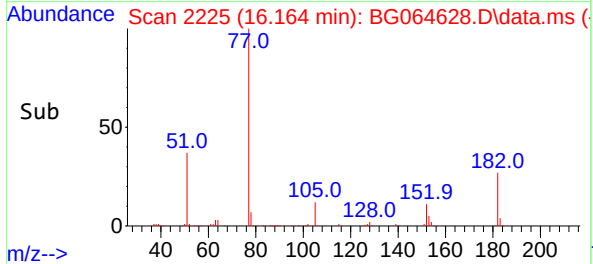
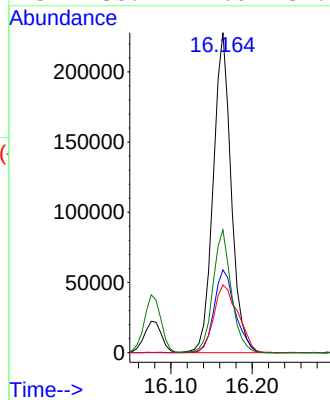
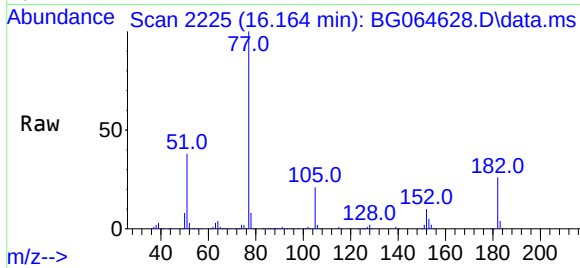




#63
Azobenzene
Concen: 51.319 ng
RT: 16.164 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

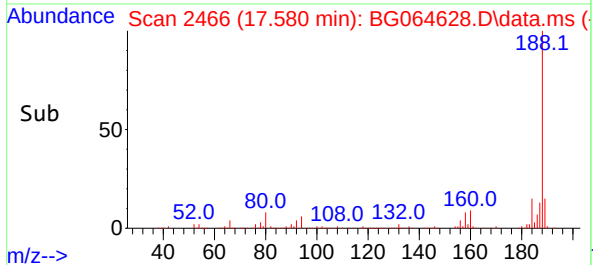
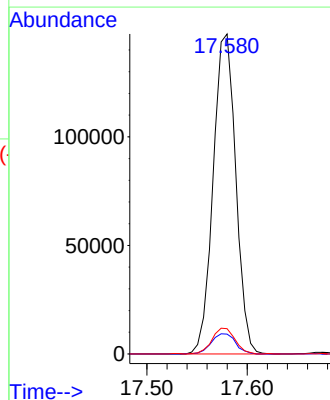
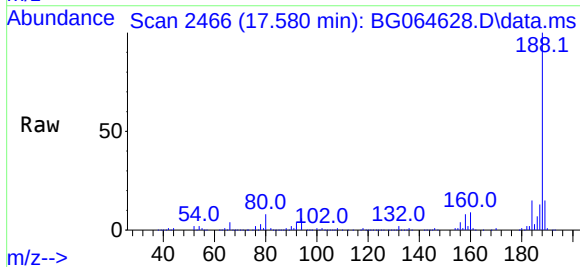
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

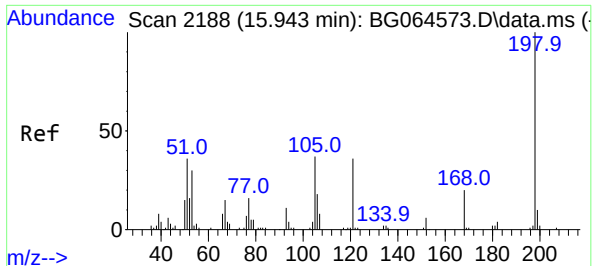
Tgt Ion:	77	Resp:	349461
Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.9	44.9
105	21.2	1.3	41.3
51	38.4	19.0	59.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:	188	Resp:	230638
Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.7	8.5
80	7.9	6.8	10.2

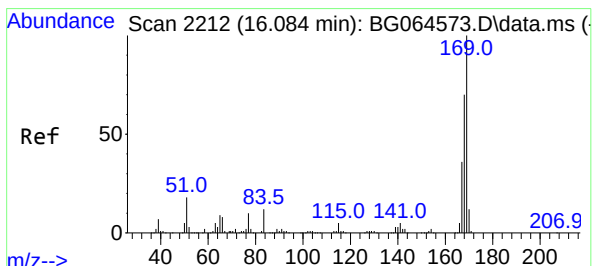
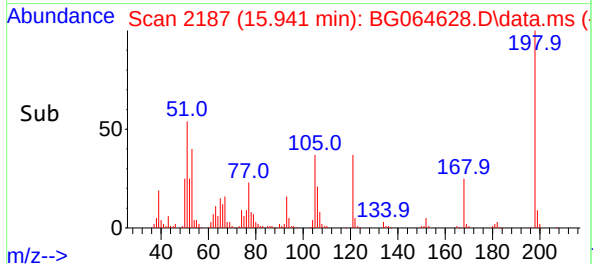
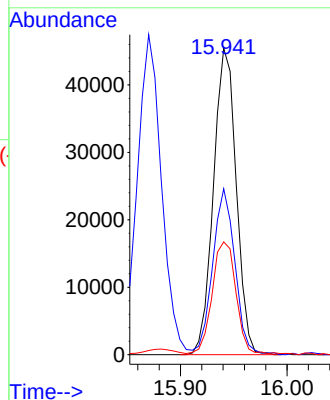
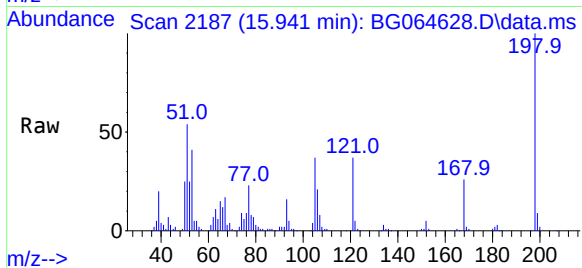




#65
4,6-Dinitro-2-methylphenol
Concen: 64.272 ng
RT: 15.941 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

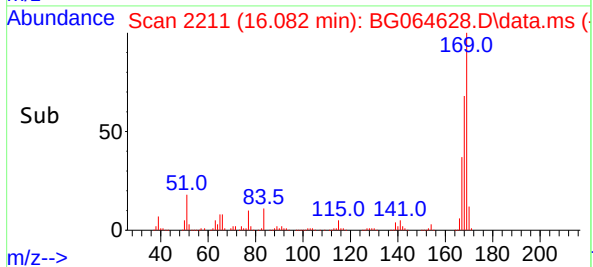
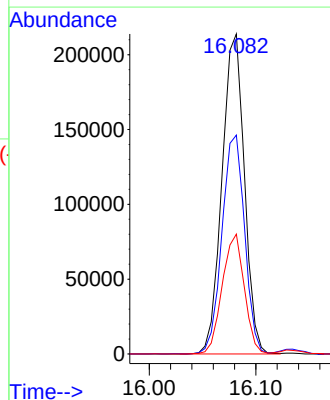
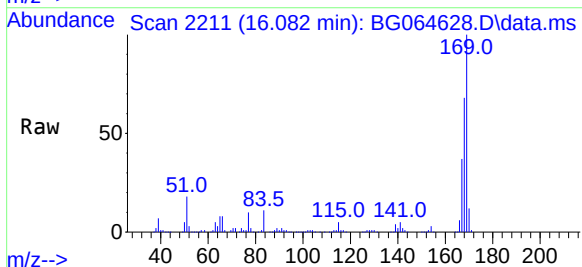
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

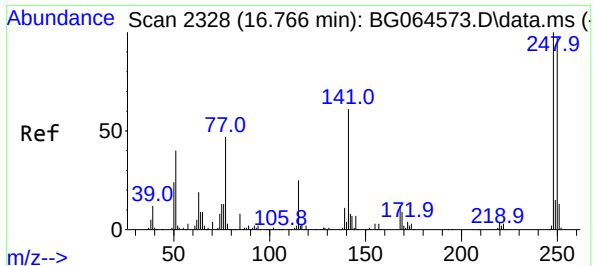
Tgt Ion:198 Resp: 67333
Ion Ratio Lower Upper
198 100
51 54.1 24.7 64.7
105 36.8 18.0 58.0



#66
n-Nitrosodiphenylamine
Concen: 49.959 ng
RT: 16.082 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:169 Resp: 311250
Ion Ratio Lower Upper
169 100
168 68.4 56.3 84.5
167 37.5 29.0 43.6

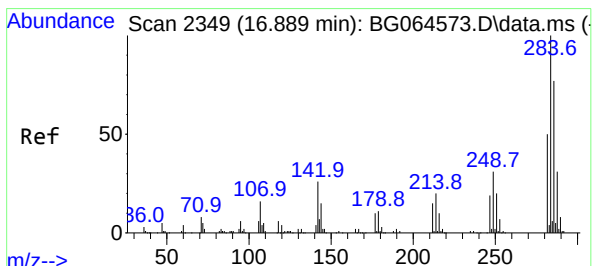
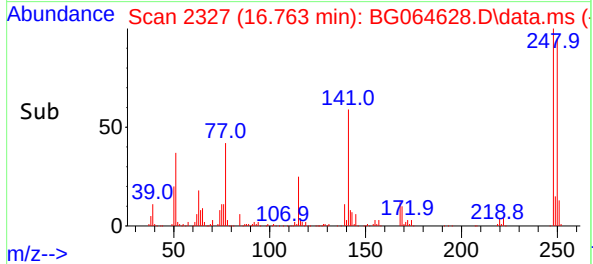
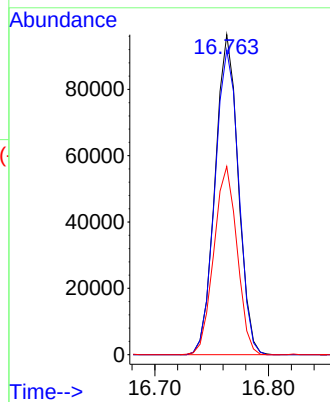
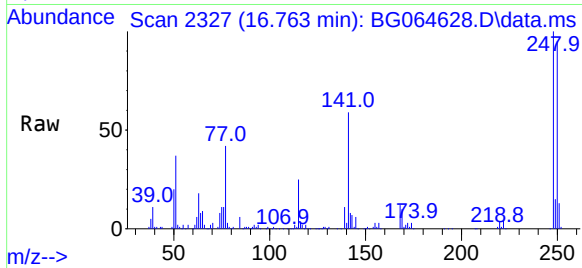




#67
4-Bromophenyl-phenylether
Concen: 49.838 ng
RT: 16.763 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

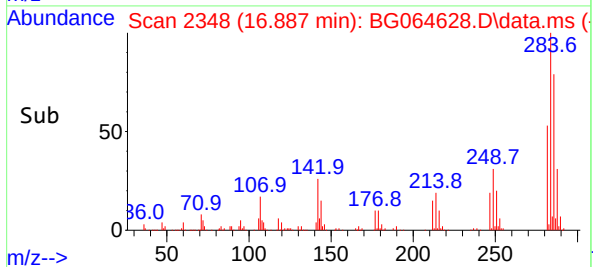
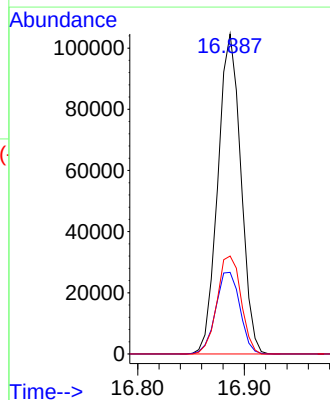
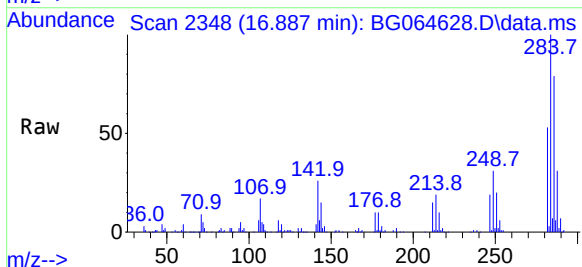
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:248 Resp: 136215
Ion Ratio Lower Upper
248 100
250 95.2 77.7 116.5
141 58.8 48.6 72.8



#68
Hexachlorobenzene
Concen: 50.163 ng
RT: 16.887 min Scan# 2348
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:284 Resp: 156412
Ion Ratio Lower Upper
284 100
142 25.5 21.0 31.6
249 30.6 24.9 37.3



Abundance Scan 2372 (17.024 min): BG064573.D\data.ms (

#69

Atrazine

Concen: 53.460 ng

RT: 17.022 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

m/z-->

Abundance Scan 2371 (17.022 min): BG064628.D\data.ms

Tgt Ion:200 Resp: 143329

Ion Ratio Lower Upper

200 100

173 22.7 0.9 40.9

215 49.0 27.0 67.0

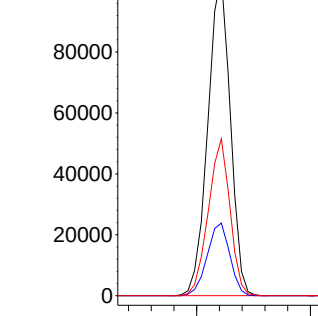
Raw

m/z-->

Abundance Scan 2371 (17.022 min): BG064628.D\data.ms (

Abundance

17.022



Time-->

Abundance Scan 2406 (17.224 min): BG064573.D\data.ms (

#70

Pentachlorophenol

Concen: 111.038 ng

RT: 17.221 min Scan# 2405

Delta R.T. -0.006 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

m/z-->

Abundance Scan 2405 (17.221 min): BG064628.D\data.ms

Tgt Ion:266 Resp: 215900

Ion Ratio Lower Upper

266 100

268 67.4 50.3 75.5

264 61.2 47.3 70.9

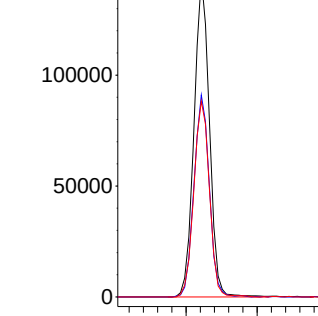
Raw

m/z-->

Abundance Scan 2405 (17.221 min): BG064628.D\data.ms (

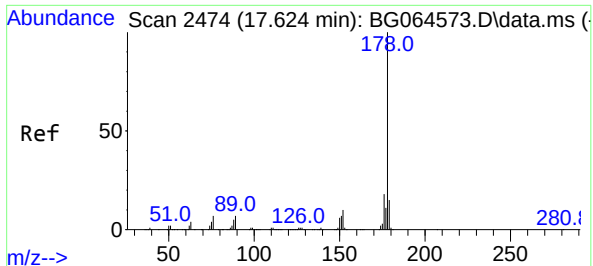
Abundance

17.221



Time-->

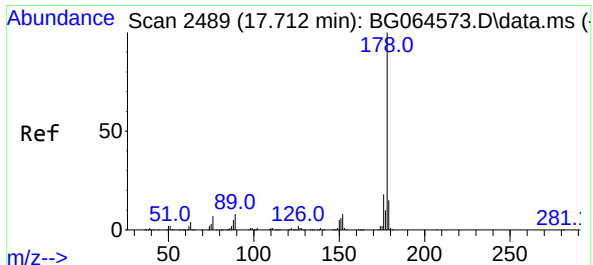
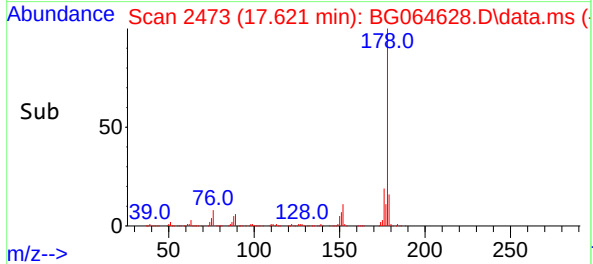
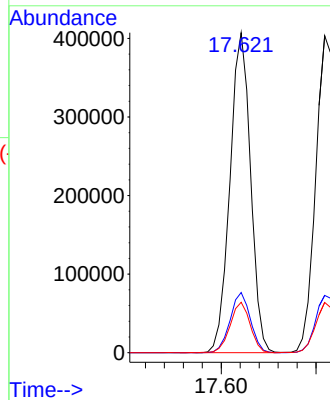
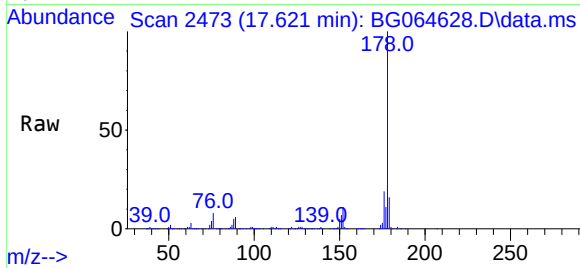
m/z-->



#71
Phenanthrene
Concen: 48.725 ng
RT: 17.621 min Scan# 2473
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

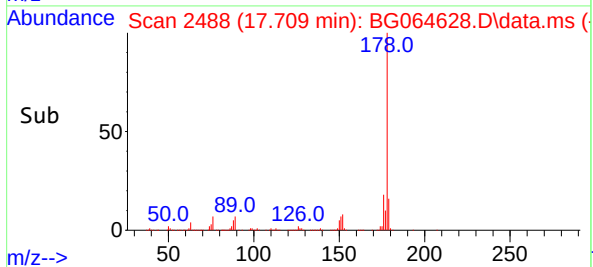
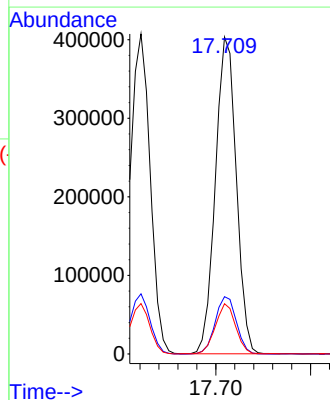
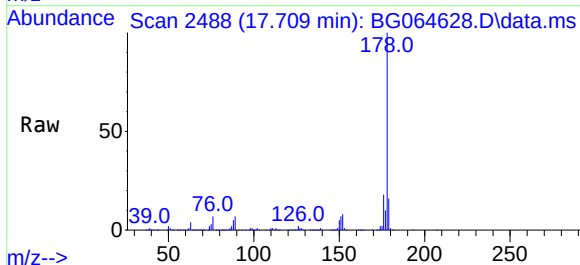
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

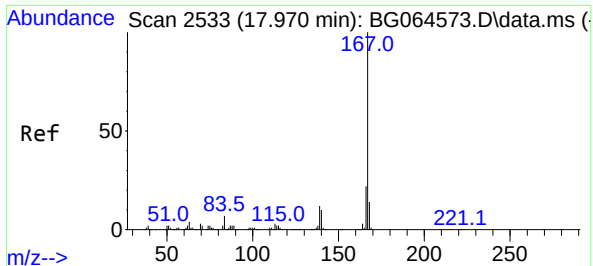
Tgt Ion:178 Resp: 614558
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.8 12.2 18.4



#72
Anthracene
Concen: 48.191 ng
RT: 17.709 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:178 Resp: 618291
Ion Ratio Lower Upper
178 100
176 18.1 14.4 21.6
179 15.8 12.4 18.6

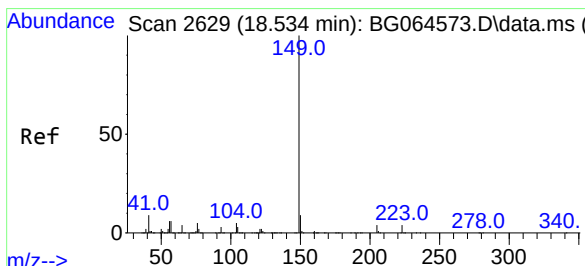
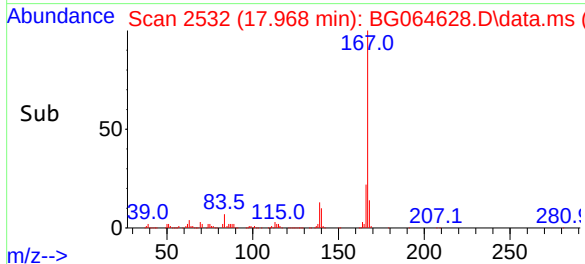
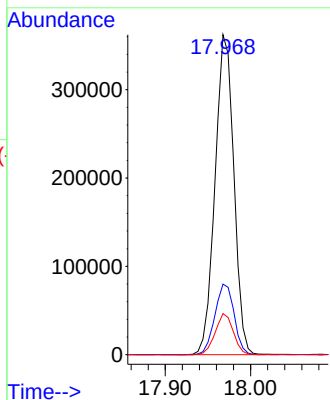
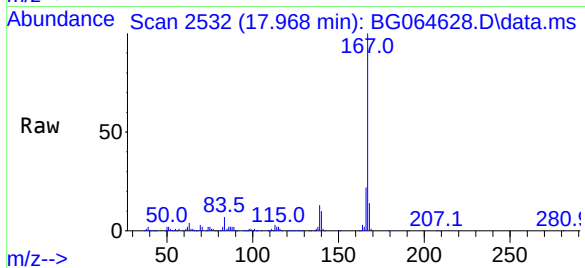




#73
Carbazole
Concen: 49.079 ng
RT: 17.968 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

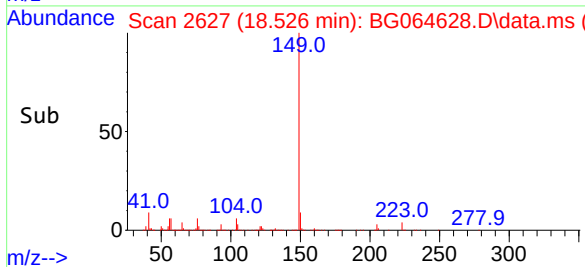
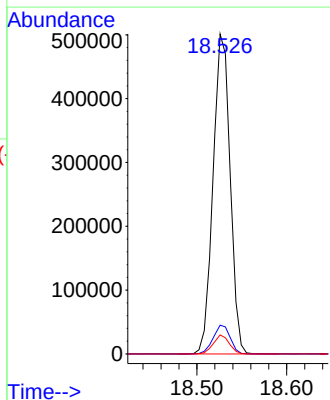
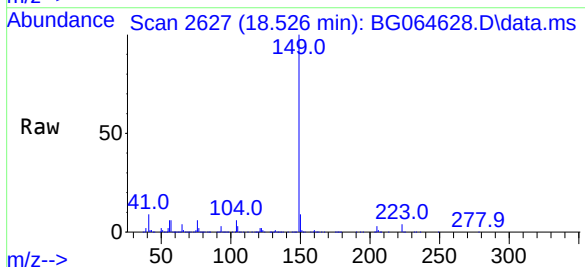
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

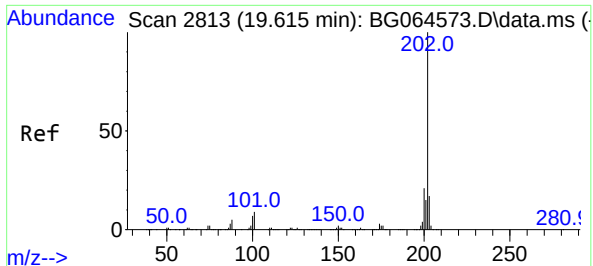
Tgt Ion:167 Resp: 555268
Ion Ratio Lower Upper
167 100
166 22.1 17.9 26.9
139 12.8 9.7 14.5



#74
Di-n-butylphthalate
Concen: 50.481 ng
RT: 18.526 min Scan# 2627
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:149 Resp: 660445
Ion Ratio Lower Upper
149 100
150 9.0 7.0 10.6
104 6.0 4.1 6.1

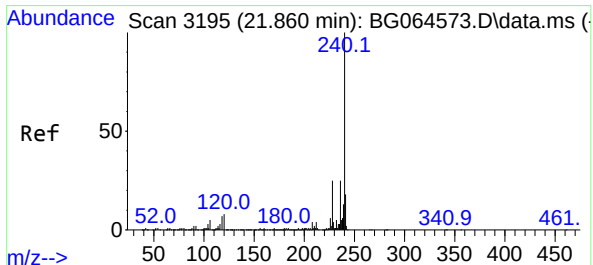
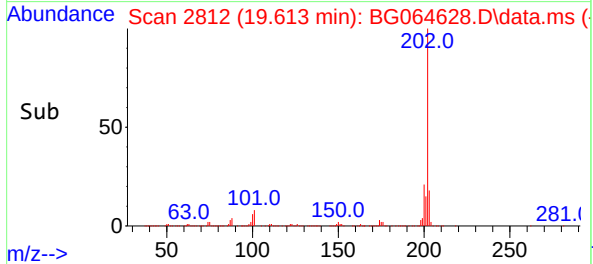
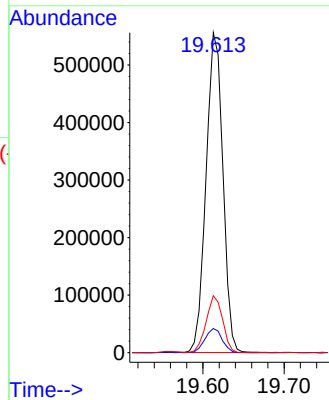
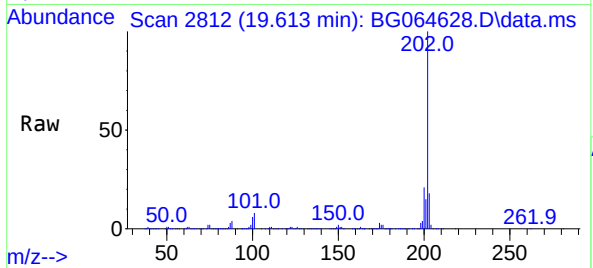




#75
Fluoranthene
Concen: 50.549 ng
RT: 19.613 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

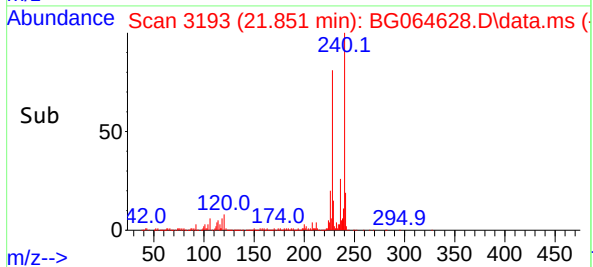
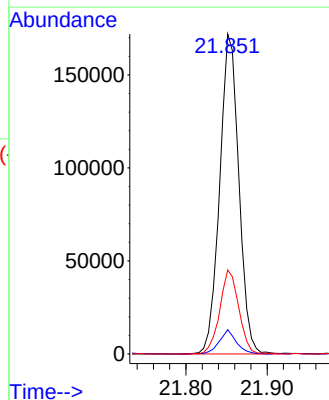
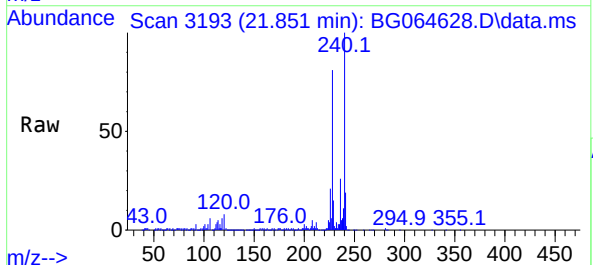
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

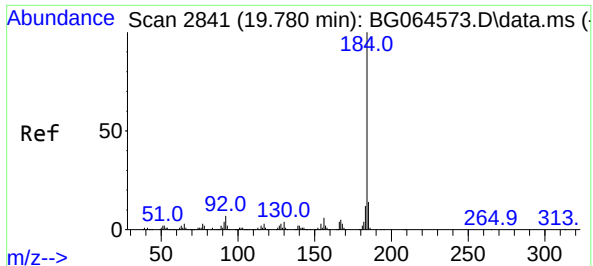
Tgt Ion:202 Resp: 798695
Ion Ratio Lower Upper
202 100
101 7.5 0.0 28.7
203 17.8 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:240 Resp: 282250
Ion Ratio Lower Upper
240 100
120 7.6 6.5 9.7
236 26.3 20.2 30.2

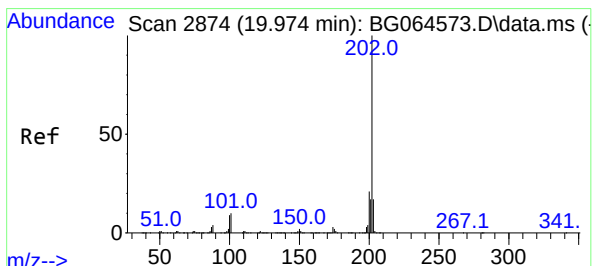
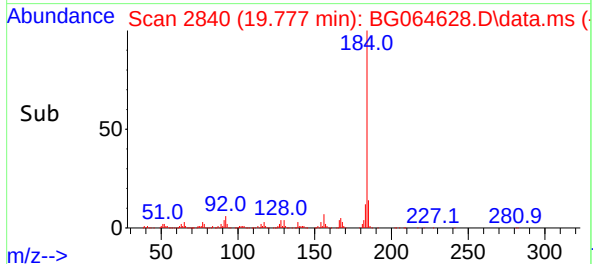
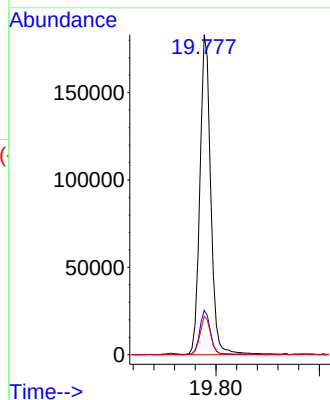
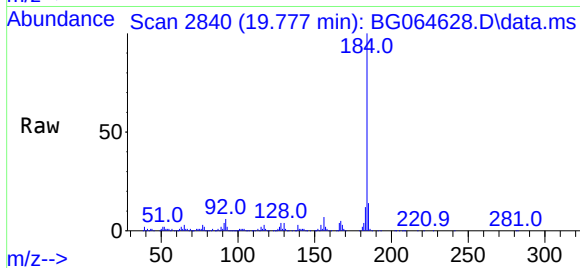




#77
Benzidine
Concen: 42.107 ng
RT: 19.777 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

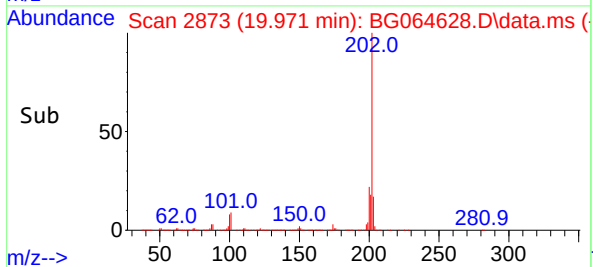
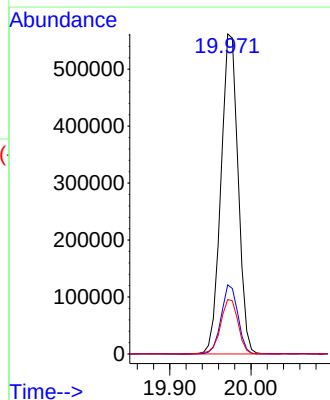
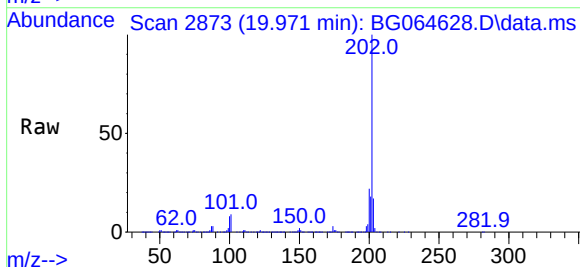
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

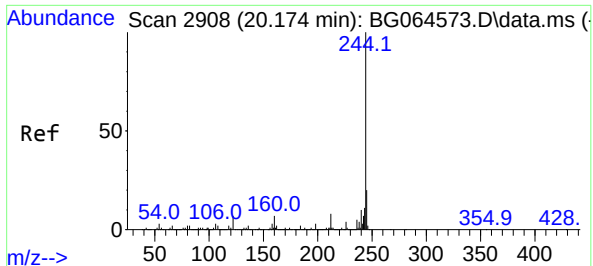
Tgt Ion:184 Resp: 266267
Ion Ratio Lower Upper
184 100
185 13.8 11.4 17.2
183 12.0 9.4 14.2



#78
Pyrene
Concen: 44.797 ng
RT: 19.971 min Scan# 2873
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:202 Resp: 826087
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 17.0 13.8 20.6



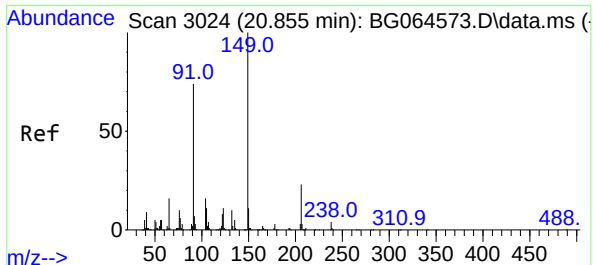
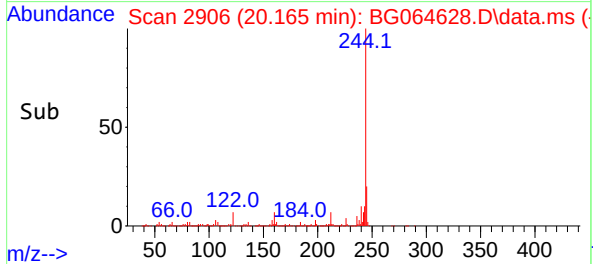
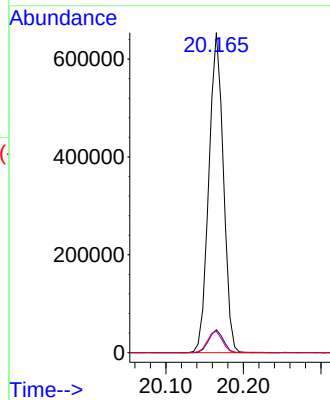
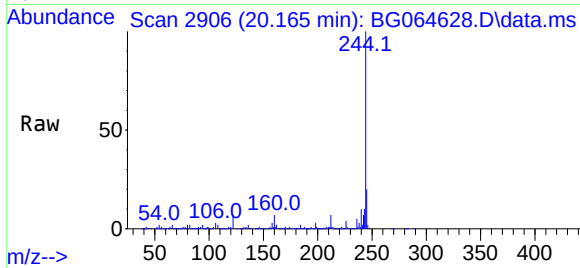


#79
Terphenyl-d14
Concen: 57.063 ng
RT: 20.165 min Scan# 2908
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:244 Resp: 853453

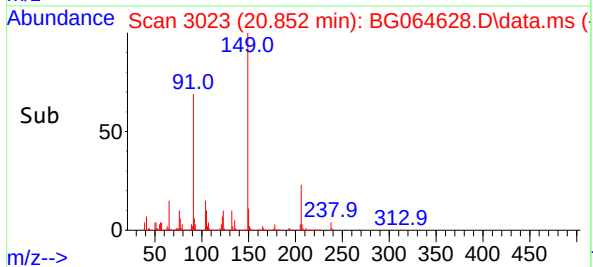
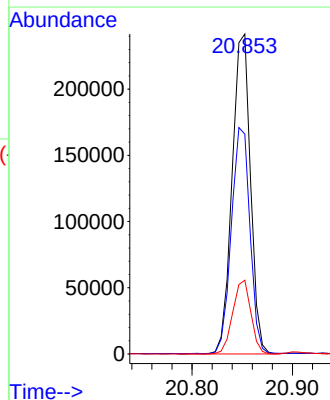
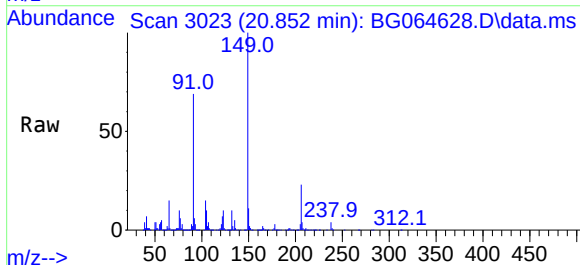
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.7	5.6	8.4

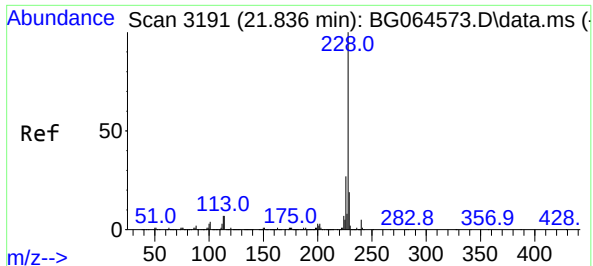


#80
Butylbenzylphthalate
Concen: 55.127 ng
RT: 20.852 min Scan# 3023
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:149 Resp: 307248

Ion	Ratio	Lower	Upper
149	100		
91	68.7	59.2	88.8
206	23.1	18.1	27.1



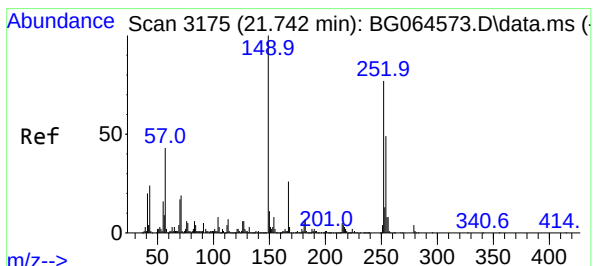
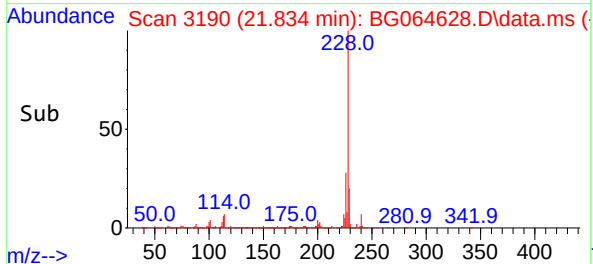
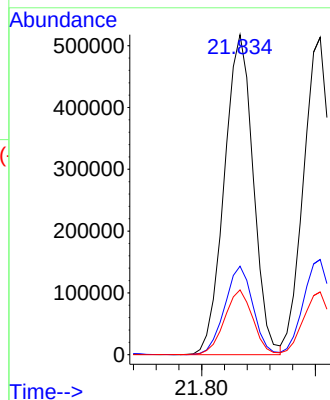
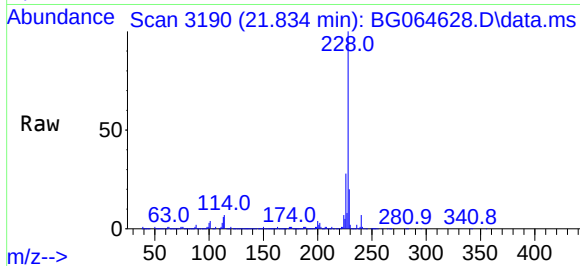


#81
Benzo(a)anthracene
Concen: 48.937 ng
RT: 21.834 min Scan# 3191
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:228 Resp: 915839

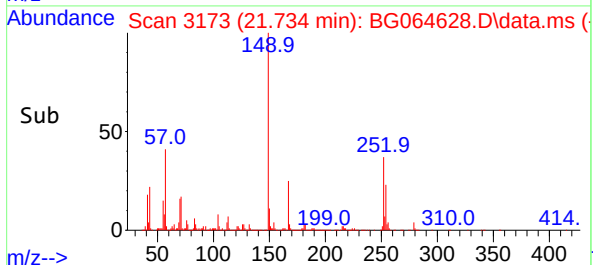
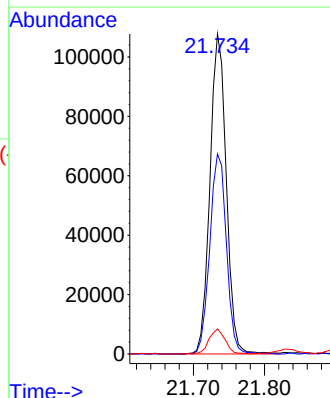
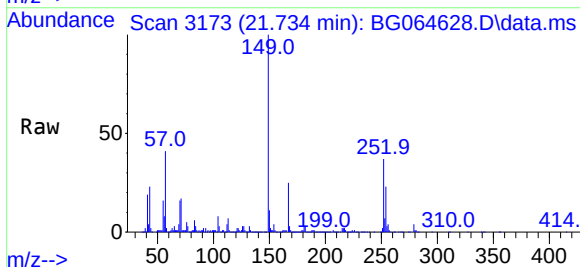
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.9	32.9
229	20.2	15.6	23.4

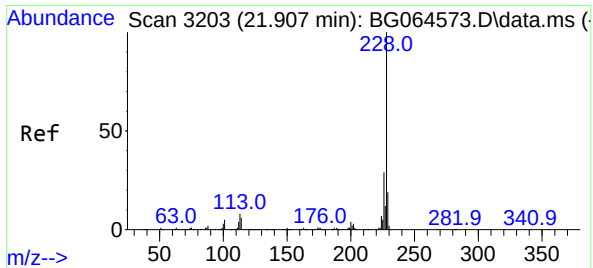


#82
3,3'-Dichlorobenzidine
Concen: 27.527 ng
RT: 21.734 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:252 Resp: 172028

Ion	Ratio	Lower	Upper
252	100		
254	62.5	50.8	76.2
126	7.8	5.8	8.6

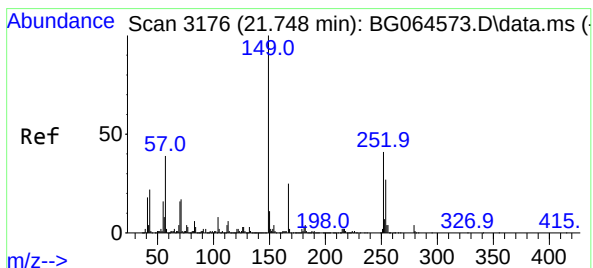
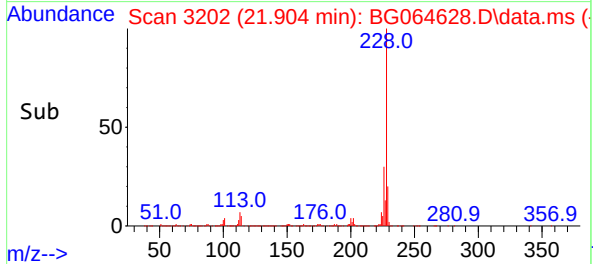
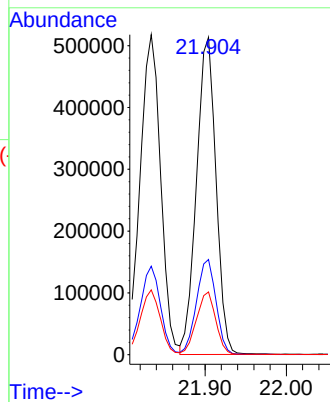
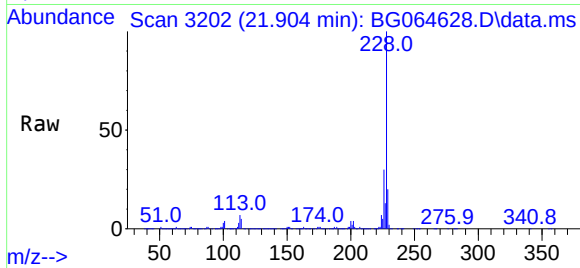




#83
Chrysene
Concen: 48.119 ng
RT: 21.904 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

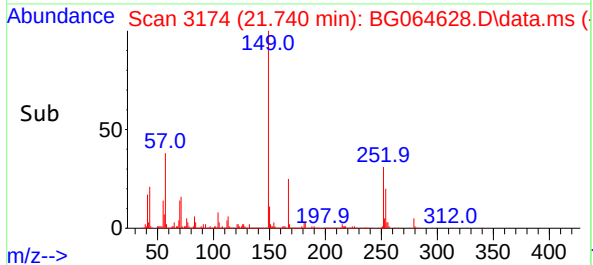
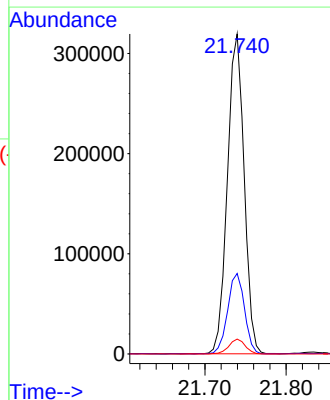
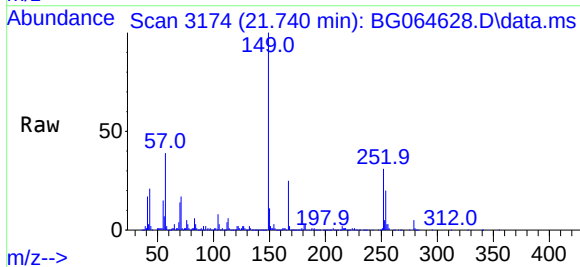
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

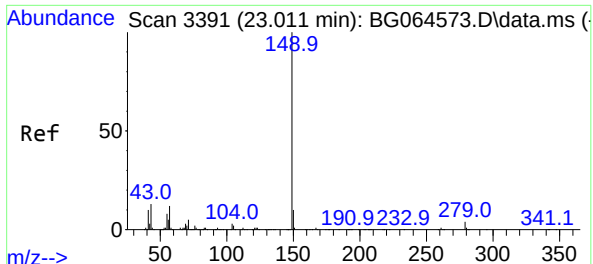
Tgt Ion:228 Resp: 856872
Ion Ratio Lower Upper
228 100
226 30.0 23.3 34.9
229 19.8 15.2 22.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 54.799 ng
RT: 21.740 min Scan# 3174
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:149 Resp: 456370
Ion Ratio Lower Upper
149 100
167 25.2 20.0 30.0
279 4.7 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 54.307 ng

RT: 22.997 min Scan# 31

Delta R.T. -0.018 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

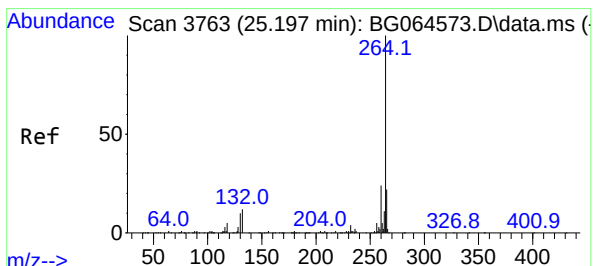
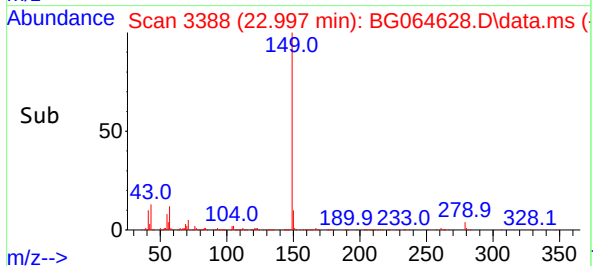
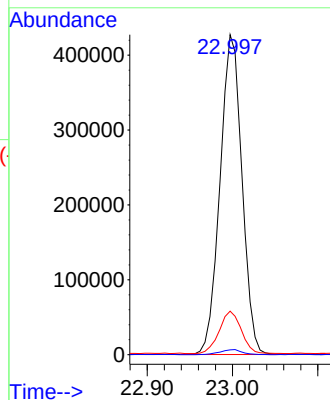
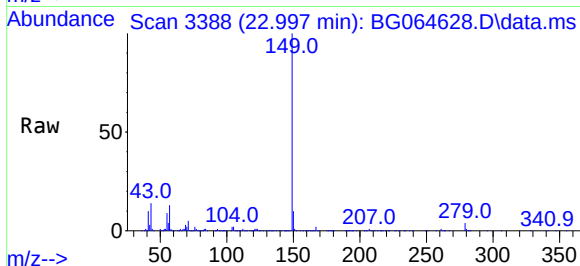
Tgt Ion:149 Resp: 762527

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 13.3 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.189 min Scan# 3761

Delta R.T. -0.012 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

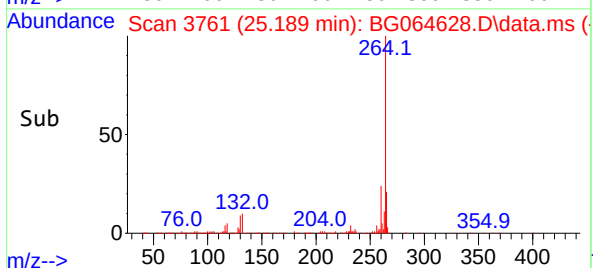
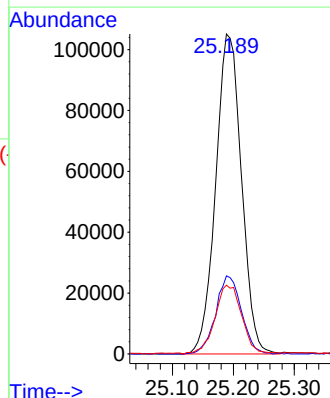
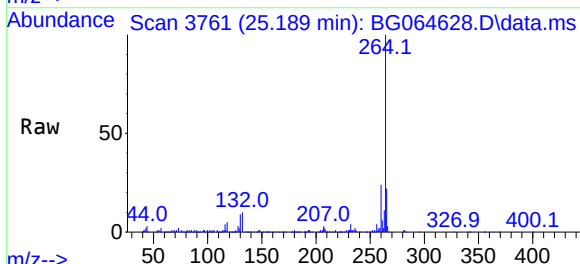
Tgt Ion:264 Resp: 308600

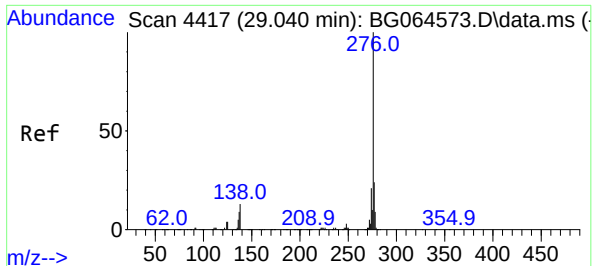
Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.4

265 21.5 17.6 26.4

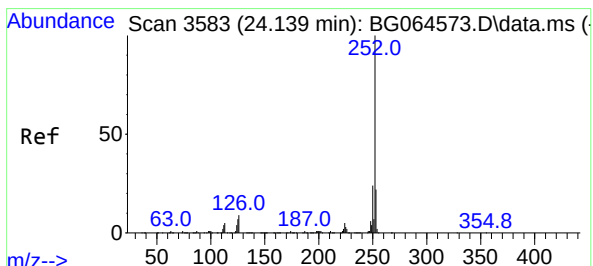
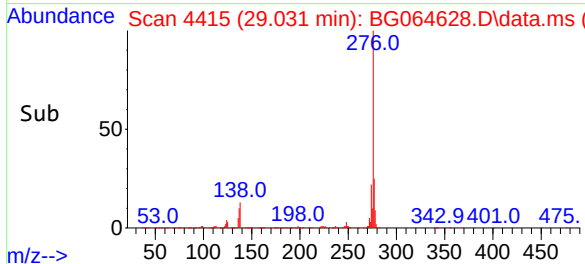
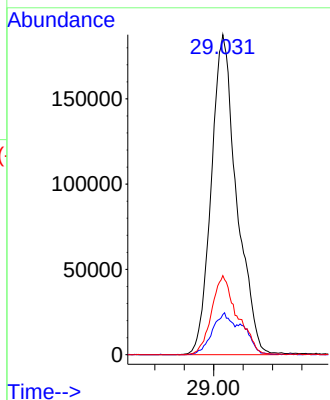
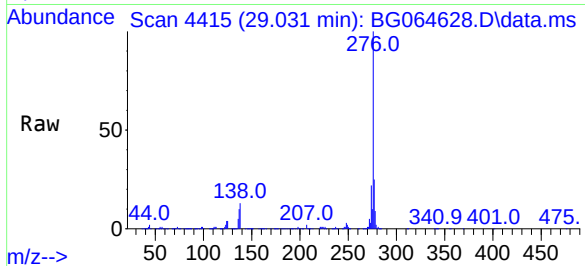




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.546 ng
RT: 29.031 min Scan# 4415
Delta R.T. -0.030 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

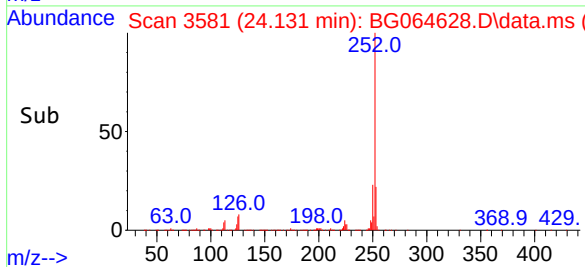
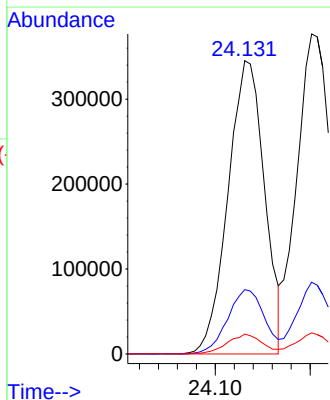
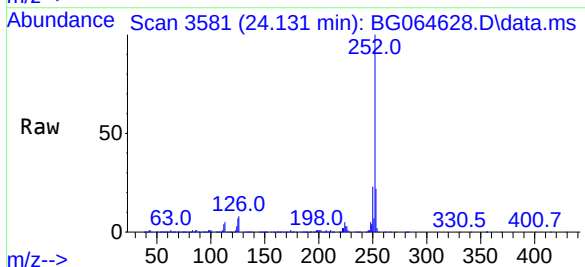
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

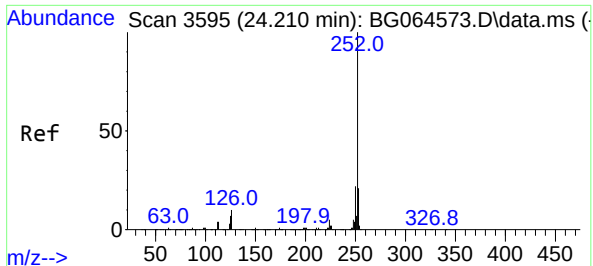
Tgt Ion:276 Resp: 1124787
Ion Ratio Lower Upper
276 100
138 10.3 10.8 16.2#
277 25.1 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 48.765 ng
RT: 24.131 min Scan# 3581
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:252 Resp: 922791
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 6.8 5.6 8.4

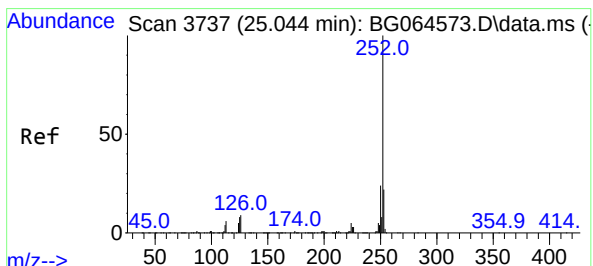
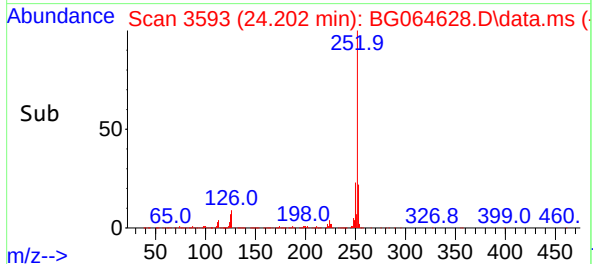
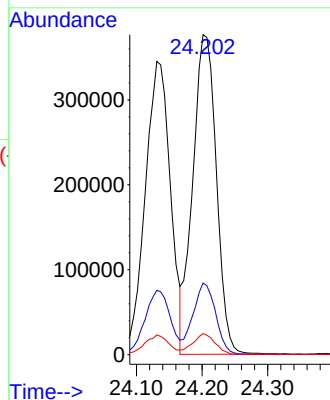
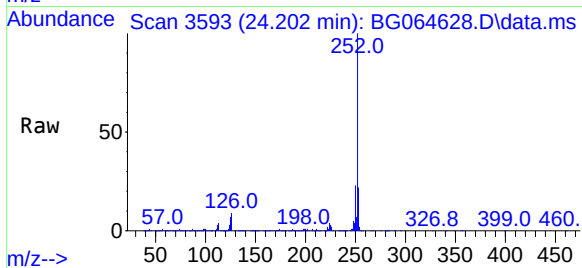




#89
Benzo(k)fluoranthene
Concen: 49.723 ng
RT: 24.202 min Scan# 31
Delta R.T. -0.018 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

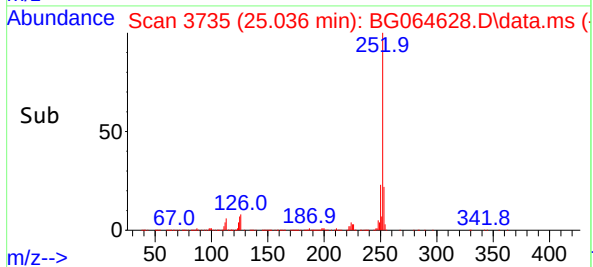
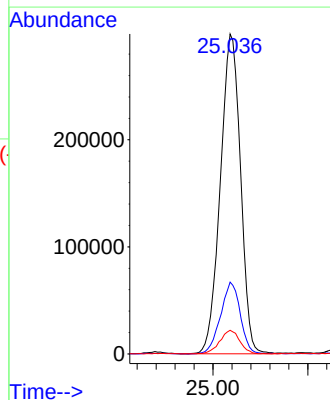
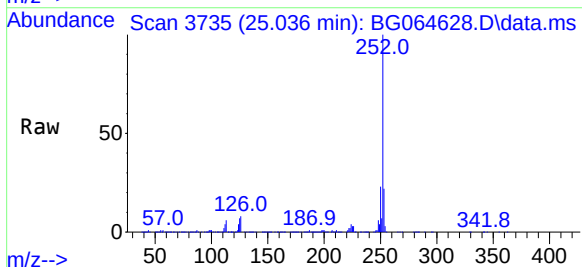
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

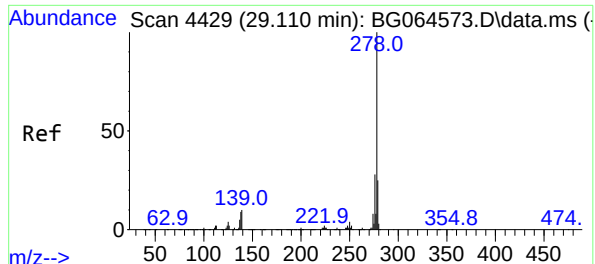
Tgt Ion:252 Resp: 941575
Ion Ratio Lower Upper
252 100
253 22.4 16.8 25.2
125 6.6 5.4 8.0



#90
Benzo(a)pyrene
Concen: 50.697 ng
RT: 25.036 min Scan# 3735
Delta R.T. -0.024 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:252 Resp: 881844
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 7.4 6.1 9.1

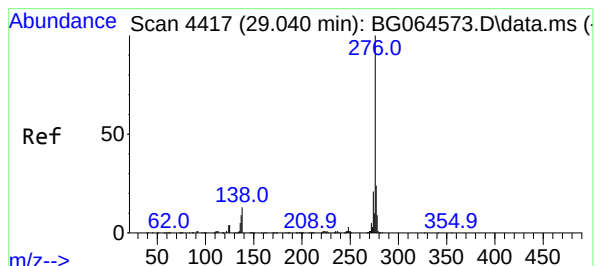
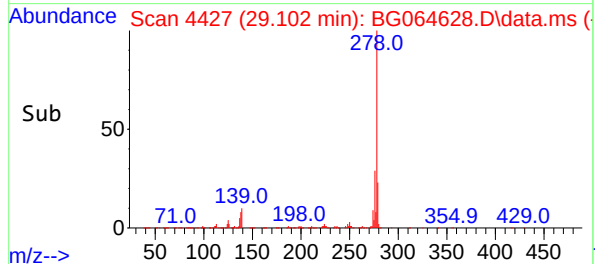
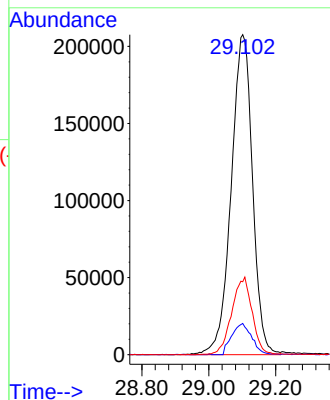
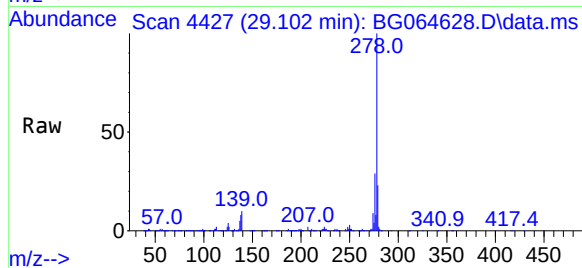




#91
Dibenzo(a,h)anthracene
Concen: 49.838 ng
RT: 29.102 min Scan# 4415
Delta R.T. -0.036 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

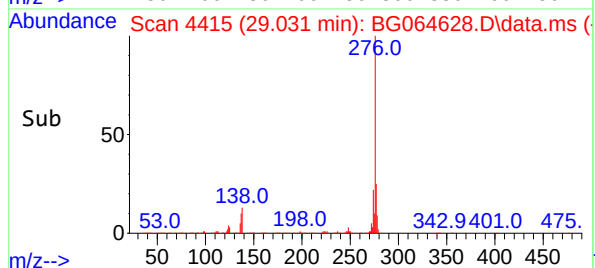
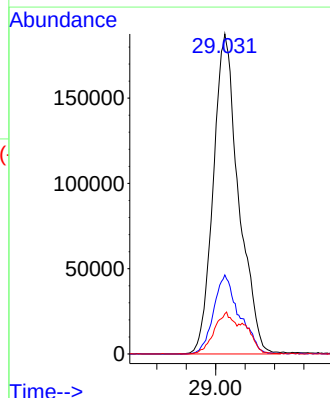
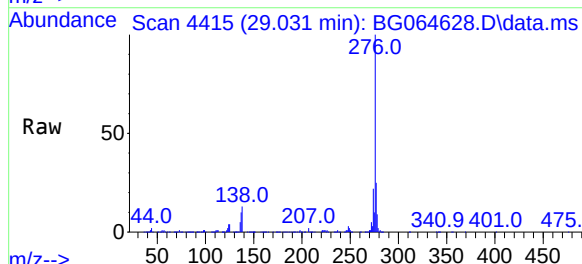
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:	278	Resp:	919177
Ion	Ratio	Lower	Upper
278	100		
139	9.8	8.0	12.0
279	22.8	19.8	29.6



#92
Benzo(g,h,i)perylene
Concen: 49.546 ng
RT: 29.031 min Scan# 4415
Delta R.T. -0.030 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:	276	Resp:	1124787
Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	12.6	10.7	16.1





Manual Integration Report

Sequence:	BF102425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

Manual Integration Report

Sequence:	BF102925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3419-04	BF144126.D	Anthracene	rahul	10/30/2025 8:47:58 AM	Jagrut	10/30/2025 4:41:51 PM	Peak Integrated by Software
Q3419-04	BF144126.D	Benzo(b)fluoranthene	rahul	10/30/2025 8:47:58 AM	Jagrut	10/30/2025 4:41:51 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BG102425	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064570.D	1,4-Dichlorobenzene	rahul	10/27/2025 8:32:20 AM	Jagrut	10/27/2025 12:24:38 PM	Peak Integrated by Software
SSTDICC005	BG064570.D	1-Methylnaphthalene	rahul	10/27/2025 8:32:20 AM	Jagrut	10/27/2025 12:24:38 PM	Peak Integrated by Software
SSTDICC010	BG064571.D	Benzoic acid	rahul	10/27/2025 8:32:22 AM	Jagrut	10/27/2025 12:24:41 PM	Peak Integrated by Software
SSTDICC020	BG064572.D	Benzoic acid	rahul	10/27/2025 8:32:28 AM	Jagrut	10/27/2025 12:24:43 PM	Peak Integrated by Software
SSTDICCC040	BG064573.D	Benzoic acid	rahul	10/27/2025 8:33:01 AM	Jagrut	10/27/2025 12:24:45 PM	Peak Integrated by Software
SSTDICC060	BG064574.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:03 AM	Jagrut	10/27/2025 12:24:48 PM	Peak Integrated by Software
SSTDICC060	BG064574.D	Benzoic acid	rahul	10/27/2025 8:33:03 AM	Jagrut	10/27/2025 12:24:48 PM	Peak Integrated by Software
SSTDICC080	BG064575.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:07 AM	Jagrut	10/27/2025 12:24:52 PM	Peak Integrated by Software
SSTDICC080	BG064575.D	Benzoic acid	rahul	10/27/2025 8:33:07 AM	Jagrut	10/27/2025 12:24:52 PM	Peak Integrated by Software
SSTDICC050	BG064576.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:12 AM	Jagrut	10/27/2025 12:24:54 PM	Peak Integrated by Software
SSTDICC050	BG064576.D	Benzoic acid	rahul	10/27/2025 8:33:12 AM	Jagrut	10/27/2025 12:24:54 PM	Peak Integrated by Software
SSTDICV040	BG064577.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:16 AM	Jagrut	10/27/2025 12:24:56 PM	Peak Integrated by Software
SSTDICV040	BG064577.D	Benzoic acid	rahul	10/27/2025 8:33:16 AM	Jagrut	10/27/2025 12:24:56 PM	Peak Integrated by Software



Manual Integration Report

Sequence:	BG102425	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

Manual Integration Report

Sequence:	BG102825	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064600.D	Benzoic acid	rahul	10/29/2025 8:34:30 AM	Jagrut	10/29/2025 2:59:15 PM	Peak Integrated by Software
Q3419-05	BG064606.D	Benzo(k)fluoranthene	rahul	10/29/2025 4:32:37 PM	Jagrut	10/29/2025 4:32:46 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BG102925	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170215BS	BG064622.D	Benzoic acid	rahul	10/30/2025 8:49:44 AM	Jagrut	10/30/2025 4:37:31 PM	Peak Integrated by Software
PB170215BS	BG064622.D	Caprolactam	rahul	10/30/2025 8:49:44 AM	Jagrut	10/30/2025 4:37:31 PM	Peak Integrated by Software
Q3419-02MS	BG064627.D	Caprolactam	rahul	10/30/2025 8:49:52 AM	Jagrut	10/30/2025 4:37:44 PM	Peak Integrated by Software
Q3419-03MSD	BG064628.D	Caprolactam	rahul	10/30/2025 8:49:55 AM	Jagrut	10/30/2025 4:37:46 PM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102425

Review By	rahul	Review On	10/27/2025 10:16:31 AM
Supervise By	Jagrut	Supervise On	10/27/2025 4:26:19 PM
SubDirectory	BF102425	HP Acquire Method	BNA_F
		HP Processing Method	BF102425
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13179,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144055.D	24 Oct 2025 09:45	RC/JU	Ok
2	SSTDICC2.5	BF144056.D	24 Oct 2025 10:13	RC/JU	Ok
3	SSTDICC005	BF144057.D	24 Oct 2025 10:42	RC/JU	Ok
4	SSTDICC010	BF144058.D	24 Oct 2025 11:39	RC/JU	Ok
5	SSTDICC020	BF144059.D	24 Oct 2025 12:36	RC/JU	Ok
6	SSTDICCC040	BF144060.D	24 Oct 2025 13:05	RC/JU	Ok
7	SSTDICC050	BF144061.D	24 Oct 2025 13:34	RC/JU	Ok
8	SSTDICC060	BF144062.D	24 Oct 2025 14:03	RC/JU	Not Ok
9	SSTDICC080	BF144063.D	24 Oct 2025 14:32	RC/JU	Ok
10	SSTDICC060	BF144064.D	24 Oct 2025 16:24	RC/JU	Ok
11	SSTDICV040	BF144065.D	24 Oct 2025 17:22	RC/JU	Ok
12	PB170222BL	BF144066.D	24 Oct 2025 17:51	RC/JU	Ok
13	Q3431-01	BF144067.D	24 Oct 2025 18:20	RC/JU	Ok,M
14	Q3431-01DL	BF144068.D	24 Oct 2025 18:48	RC/JU	Not Ok
15	Q3405-01	BF144069.D	24 Oct 2025 19:17	RC/JU	Ok
16	Q3406-01	BF144070.D	24 Oct 2025 19:46	RC/JU	Ok
17	Q3412-01	BF144071.D	24 Oct 2025 20:15	RC/JU	Dilution
18	Q3445-01	BF144072.D	24 Oct 2025 20:44	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM
SubDirectory	BF102925	HP Acquire Method	BNA_F
		HP Processing Method	BF102425
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13180,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144120.D	29 Oct 2025 11:00	RC/JU	Ok
2	SSTDCCC040	BF144121.D	29 Oct 2025 11:30	RC/JU	Ok
3	PB170202TB	BF144122.D	29 Oct 2025 12:00	RC/JU	Ok
4	PB170259BL	BF144123.D	29 Oct 2025 12:30	RC/JU	Ok
5	PB170259BS	BF144124.D	29 Oct 2025 13:00	RC/JU	Ok,M
6	Q3460-17	BF144125.D	29 Oct 2025 13:33	RC/JU	Ok,M
7	Q3419-04	BF144126.D	29 Oct 2025 14:03	RC/JU	Ok,M
8	Q3427-04MS	BF144127.D	29 Oct 2025 14:33	RC/JU	Ok,M
9	Q3427-04MSD	BF144128.D	29 Oct 2025 15:02	RC/JU	Ok,M
10	Q3469-01	BF144129.D	29 Oct 2025 15:32	RC/JU	Ok,M
11	Q3469-01MS	BF144130.D	29 Oct 2025 16:02	RC/JU	Ok,M
12	Q3469-01MSD	BF144131.D	29 Oct 2025 16:32	RC/JU	Ok,M
13	Q3434-02	BF144132.D	29 Oct 2025 17:02	RC/JU	Ok
14	Q3480-01	BF144133.D	29 Oct 2025 17:32	RC/JU	Ok
15	Q3476-01	BF144134.D	29 Oct 2025 18:01	RC/JU	Ok
16	Q3466-02	BF144135.D	29 Oct 2025 18:31	RC/JU	Ok,M
17	Q3466-07	BF144136.D	29 Oct 2025 19:01	RC/JU	Not Ok
18	Q3481-01	BF144137.D	29 Oct 2025 19:30	RC/JU	Ok,M
19	Q3472-04	BF144138.D	29 Oct 2025 20:00	RC/JU	Ok
20	Q3472-06	BF144139.D	29 Oct 2025 20:29	RC/JU	Ok
21	Q3472-08	BF144140.D	29 Oct 2025 20:59	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM
SubDirectory	BF102925	HP Acquire Method	BNA_F
		HP Processing Method	BF102425
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13180,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3472-10	BF144141.D	29 Oct 2025 21:28	RC/JU	Ok,M
23	Q3472-12	BF144142.D	29 Oct 2025 21:57	RC/JU	Ok
24	Q3472-14	BF144143.D	29 Oct 2025 22:27	RC/JU	Dilution

M : Manual Integration

Instrument ID: **BNA_G**

Daily Analysis Runlog For Sequence/QC Batch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 12:25:10 PM		
SubDirectory	BG102425	HP Acquire Method	BNA_G	HP Processing Method	BG102425
STD. NAME		STD REF.#			
Tune/Reschk		SP6875			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13179,10ul/1000ul sample			
ICV/I.BLK		SP6872			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064568.D	24 Oct 2025 8:20	RC/JU	Ok
2	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00	RC/JU	Ok
3	SSTDICC005	BG064570.D	24 Oct 2025 9:41	RC/JU	Ok,M
4	SSTDICC010	BG064571.D	24 Oct 2025 11:02	RC/JU	Ok,M
5	SSTDICC020	BG064572.D	24 Oct 2025 12:23	RC/JU	Ok,M
6	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	RC/JU	Ok,M
7	SSTDICC060	BG064574.D	24 Oct 2025 13:44	RC/JU	Ok,M
8	SSTDICC080	BG064575.D	24 Oct 2025 14:24	RC/JU	Ok,M
9	SSTDICC050	BG064576.D	24 Oct 2025 15:32	RC/JU	Ok,M
10	SSTDICV040	BG064577.D	24 Oct 2025 16:47	RC/JU	Ok,M
11	PB170222BL	BG064578.D	24 Oct 2025 17:28	RC/JU	Not Ok
12	Q3405-02	BG064579.D	24 Oct 2025 18:08	RC/JU	Ok
13	Q3405-03	BG064580.D	24 Oct 2025 18:49	RC/JU	Ok
14	Q3405-04	BG064581.D	24 Oct 2025 19:30	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG102825

Review By	rahul	Review On	10/28/2025 3:29:34 PM
Supervise By	Jagrut	Supervise On	10/29/2025 3:21:32 PM
SubDirectory	BG102825	HP Acquire Method	BNA_G
		HP Processing Method	BG102425
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13180,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064599.D	28 Oct 2025 13:05	RC/JU	Ok
2	SSTDCCC040	BG064600.D	28 Oct 2025 13:45	RC/JU	Ok,M
3	PB170239TB	BG064601.D	28 Oct 2025 14:26	RC/JU	Ok
4	Q3460-16	BG064602.D	28 Oct 2025 15:10	RC/JU	Ok
5	Q3460-20	BG064603.D	28 Oct 2025 15:51	RC/JU	Ok
6	Q3452-04	BG064604.D	28 Oct 2025 16:32	RC/JU	Ok
7	Q3451-04	BG064605.D	28 Oct 2025 17:13	RC/JU	Ok
8	Q3419-05	BG064606.D	28 Oct 2025 17:54	RC/JU	Ok,M
9	Q3427-01	BG064607.D	28 Oct 2025 18:35	RC/JU	Ok,M
10	Q3452-01	BG064608.D	28 Oct 2025 19:16	RC/JU	Ok,M
11	Q3376-05	BG064609.D	28 Oct 2025 19:57	RC/JU	Ok
12	Q3451-05	BG064610.D	28 Oct 2025 20:37	RC/JU	Ok,M
13	Q3460-05	BG064611.D	28 Oct 2025 21:18	RC/JU	Ok
14	Q3460-01	BG064612.D	28 Oct 2025 21:59	RC/JU	Ok
15	Q3460-13	BG064613.D	28 Oct 2025 22:39	RC/JU	Ok,M
16	Q3460-17	BG064614.D	28 Oct 2025 23:20	RC/JU	Not Ok
17	Q3457-01	BG064615.D	29 Oct 2025 00:01	RC/JU	Ok,M
18	Q3465-01	BG064616.D	29 Oct 2025 00:41	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_G**

Daily Analysis Runlog For Sequence/QC Batch ID # BG102925

Review By	rahul	Review On	10/30/2025 8:51:46 AM		
Supervise By	Jagrut	Supervise On	10/30/2025 4:39:08 PM		
SubDirectory	BG102925	HP Acquire Method	BNA_G	HP Processing Method	BG102425
STD. NAME		STD REF.#			
Tune/Reschk	SP6875				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13180,10ul/1000ul sample				
ICV/I.BLK	SP6872				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064617.D	29 Oct 2025 10:41	RC/JU	Ok
2	SSTDCCC040	BG064618.D	29 Oct 2025 11:22	RC/JU	Ok
3	PB170285BL	BG064619.D	29 Oct 2025 12:03	RC/JU	Ok
4	PB170285BS	BG064620.D	29 Oct 2025 12:44	RC/JU	Ok,M
5	PB170215BL	BG064621.D	29 Oct 2025 13:25	RC/JU	Ok
6	PB170215BS	BG064622.D	29 Oct 2025 14:06	RC/JU	Ok,M
7	Q3477-01	BG064623.D	29 Oct 2025 14:50	RC/JU	Ok
8	Q3477-01MS	BG064624.D	29 Oct 2025 15:31	RC/JU	Ok,M
9	Q3477-01MSD	BG064625.D	29 Oct 2025 16:12	RC/JU	Ok,M
10	Q3419-01	BG064626.D	29 Oct 2025 16:53	RC/JU	Ok
11	Q3419-02MS	BG064627.D	29 Oct 2025 17:34	RC/JU	Ok,M
12	Q3419-03MSD	BG064628.D	29 Oct 2025 18:15	RC/JU	Ok,M
13	Q3468-01	BG064629.D	29 Oct 2025 18:56	RC/JU	Ok,M
14	Q3468-02	BG064630.D	29 Oct 2025 19:37	RC/JU	Ok,M
15	Q3468-03	BG064631.D	29 Oct 2025 20:18	RC/JU	Ok
16	Q3468-04	BG064632.D	29 Oct 2025 20:59	RC/JU	Ok
17	Q3468-05	BG064633.D	29 Oct 2025 21:40	RC/JU	Ok
18	Q3468-06	BG064634.D	29 Oct 2025 22:21	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102425

Review By	rahul	Review On	10/27/2025 10:16:31 AM
Supervise By	Jagrut	Supervise On	10/27/2025 4:26:19 PM
SubDirectory	BF102425	HP Acquire Method	BNA_F
		HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144055.D	24 Oct 2025 09:45		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF144056.D	24 Oct 2025 10:13		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF144057.D	24 Oct 2025 10:42		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF144058.D	24 Oct 2025 11:39		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF144059.D	24 Oct 2025 12:36		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF144060.D	24 Oct 2025 13:05		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF144061.D	24 Oct 2025 13:34		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF144062.D	24 Oct 2025 14:03	Not Used	RC/JU	Not Ok
9	SSTDICC080	SSTDICC080	BF144063.D	24 Oct 2025 14:32		RC/JU	Ok
10	SSTDICC060	SSTDICC060	BF144064.D	24 Oct 2025 16:24		RC/JU	Ok
11	SSTDICV040	ICVBF102425	BF144065.D	24 Oct 2025 17:22		RC/JU	Ok
12	PB170222BL	PB170222BL	BF144066.D	24 Oct 2025 17:51		RC/JU	Ok
13	Q3431-01	EO-02-10222025	BF144067.D	24 Oct 2025 18:20		RC/JU	Ok,M
14	Q3431-01DL	EO-02-10222025DL	BF144068.D	24 Oct 2025 18:48	Not Required	RC/JU	Not Ok
15	Q3405-01	PAD-10-20-25-A	BF144069.D	24 Oct 2025 19:17		RC/JU	Ok
16	Q3406-01	ARS20-0037	BF144070.D	24 Oct 2025 19:46		RC/JU	Ok
17	Q3412-01	TP-6	BF144071.D	24 Oct 2025 20:15	Need 5X Dilution	RC/JU	Dilution
18	Q3445-01	EO-01-102325	BF144072.D	24 Oct 2025 20:44		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102425

Review By	rahul	Review On	10/27/2025 10:16:31 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 4:26:19 PM		
SubDirectory	BF102425	HP Acquire Method	BNA_F	HP Processing Method	BF102425
STD. NAME		STD REF.#			
Tune/Reschk		SP6875			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13179,10ul/1000ul sample			
ICV/I.BLK		SP6872			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM
SubDirectory	BF102925	HP Acquire Method	BNA_F
		HP Processing Method	BF102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144120.D	29 Oct 2025 11:00		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144121.D	29 Oct 2025 11:30		RC/JU	Ok
3	PB170202TB	PB170202TB	BF144122.D	29 Oct 2025 12:00		RC/JU	Ok
4	PB170259BL	PB170259BL	BF144123.D	29 Oct 2025 12:30		RC/JU	Ok
5	PB170259BS	PB170259BS	BF144124.D	29 Oct 2025 13:00		RC/JU	Ok,M
6	Q3460-17	WC-5	BF144125.D	29 Oct 2025 13:33		RC/JU	Ok,M
7	Q3419-04	PR132-S16-119133-20	BF144126.D	29 Oct 2025 14:03		RC/JU	Ok,M
8	Q3427-04MS	TP-8MS	BF144127.D	29 Oct 2025 14:33		RC/JU	Ok,M
9	Q3427-04MSD	TP-8MSD	BF144128.D	29 Oct 2025 15:02		RC/JU	Ok,M
10	Q3469-01	TP-13	BF144129.D	29 Oct 2025 15:32		RC/JU	Ok,M
11	Q3469-01MS	TP-13MS	BF144130.D	29 Oct 2025 16:02		RC/JU	Ok,M
12	Q3469-01MSD	TP-13MSD	BF144131.D	29 Oct 2025 16:32		RC/JU	Ok,M
13	Q3434-02	PR132-WC2-20251022	BF144132.D	29 Oct 2025 17:02		RC/JU	Ok
14	Q3480-01	RT3449	BF144133.D	29 Oct 2025 17:32		RC/JU	Ok
15	Q3476-01	NB-07-102825	BF144134.D	29 Oct 2025 18:01		RC/JU	Ok
16	Q3466-02	B8-0.0-1.0-20251023	BF144135.D	29 Oct 2025 18:31		RC/JU	Ok,M
17	Q3466-07	B7-1.0-2.0-20251023	BF144136.D	29 Oct 2025 19:01	Need straight Run	RC/JU	Not Ok
18	Q3481-01	OR-02-102825	BF144137.D	29 Oct 2025 19:30		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102925

Review By	rahul	Review On	10/30/2025 8:49:10 AM		
Supervise By	Jagrut	Supervise On	10/30/2025 4:42:33 PM		
SubDirectory	BF102925	HP Acquire Method	BNA_F	HP Processing Method	BF102425
STD. NAME	STD REF.#				
Tune/Reschk	SP6875				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13180,10ul/1000ul sample				
ICV/I.BLK	SP6872				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q3472-04	COMP-1	BF144138.D	29 Oct 2025 20:00		RC/JU	Ok
20	Q3472-06	COMP-2	BF144139.D	29 Oct 2025 20:29	Internal standard fail	RC/JU	Ok
21	Q3472-08	COMP-3	BF144140.D	29 Oct 2025 20:59	Internal standard fail	RC/JU	Ok
22	Q3472-10	COMP-4	BF144141.D	29 Oct 2025 21:28	Surrogate Fail,	RC/JU	Ok,M
23	Q3472-12	COMP-5	BF144142.D	29 Oct 2025 21:57		RC/JU	Ok
24	Q3472-14	155	BF144143.D	29 Oct 2025 22:27	need further 10X	RC/JU	Dilution

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM
Supervise By	Jagrut	Supervise On	10/27/2025 12:25:10 PM
SubDirectory	BG102425	HP Acquire Method	BNA_G
		HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064568.D	24 Oct 2025 8:20		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064570.D	24 Oct 2025 9:41		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064571.D	24 Oct 2025 11:02		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064572.D	24 Oct 2025 12:23		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	Compound #26,32,48,51,54,57,65 are kept on LR	RC/JU	Ok,M
7	SSTDICC060	SSTDICC060	BG064574.D	24 Oct 2025 13:44		RC/JU	Ok,M
8	SSTDICC080	SSTDICC080	BG064575.D	24 Oct 2025 14:24		RC/JU	Ok,M
9	SSTDICC050	SSTDICC050	BG064576.D	24 Oct 2025 15:32		RC/JU	Ok,M
10	SSTDICV040	ICVBG102425	BG064577.D	24 Oct 2025 16:47	compound #77 failed in the ICV.	RC/JU	Ok,M
11	PB170222BL	PB170222BL	BG064578.D	24 Oct 2025 17:28	Analyzed for contamination check	RC/JU	Not Ok
12	Q3405-02	PAD-10-20-25-B	BG064579.D	24 Oct 2025 18:08		RC/JU	Ok
13	Q3405-03	PAD-10-20-25-C	BG064580.D	24 Oct 2025 18:49		RC/JU	Ok
14	Q3405-04	SW-10-20-25	BG064581.D	24 Oct 2025 19:30		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG102825

Review By	rahul	Review On	10/28/2025 3:29:34 PM
Supervise By	Jagrut	Supervise On	10/29/2025 3:21:32 PM
SubDirectory	BG102825	HP Acquire Method	BNA_G
		HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064599.D	28 Oct 2025 13:05		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064600.D	28 Oct 2025 13:45		RC/JU	Ok,M
3	PB170239TB	PB170239TB	BG064601.D	28 Oct 2025 14:26		RC/JU	Ok
4	Q3460-16	WC-4	BG064602.D	28 Oct 2025 15:10		RC/JU	Ok
5	Q3460-20	WC-5	BG064603.D	28 Oct 2025 15:51		RC/JU	Ok
6	Q3452-04	JB-1	BG064604.D	28 Oct 2025 16:32		RC/JU	Ok
7	Q3451-04	TP-11	BG064605.D	28 Oct 2025 17:13		RC/JU	Ok
8	Q3419-05	PR132-S16-094119-20	BG064606.D	28 Oct 2025 17:54		RC/JU	Ok,M
9	Q3427-01	TP-8	BG064607.D	28 Oct 2025 18:35		RC/JU	Ok,M
10	Q3452-01	JB-1	BG064608.D	28 Oct 2025 19:16		RC/JU	Ok,M
11	Q3376-05	PR132-S12-020047-20	BG064609.D	28 Oct 2025 19:57		RC/JU	Ok
12	Q3451-05	TP-12	BG064610.D	28 Oct 2025 20:37		RC/JU	Ok,M
13	Q3460-05	WC-2	BG064611.D	28 Oct 2025 21:18		RC/JU	Ok
14	Q3460-01	WC-1	BG064612.D	28 Oct 2025 21:59		RC/JU	Ok
15	Q3460-13	WC-4	BG064613.D	28 Oct 2025 22:39		RC/JU	Ok,M
16	Q3460-17	WC-5	BG064614.D	28 Oct 2025 23:20	Need Straight Run	RC/JU	Not Ok
17	Q3457-01	TR-05-102425	BG064615.D	29 Oct 2025 00:01		RC/JU	Ok,M
18	Q3465-01	SU-03-10242025	BG064616.D	29 Oct 2025 00:41		RC/JU	Ok

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG102825

Review By	rahul	Review On	10/28/2025 3:29:34 PM		
Supervise By	Jagrut	Supervise On	10/29/2025 3:21:32 PM		
SubDirectory	BG102825	HP Acquire Method	BNA_G	HP Processing Method	BG102425
STD. NAME		STD REF.#			
Tune/Reschk		SP6875			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13180,10ul/1000ul sample			
ICV/I.BLK		SP6872			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG102925

Review By	rahul	Review On	10/30/2025 8:51:46 AM
Supervise By	Jagrut	Supervise On	10/30/2025 4:39:08 PM
SubDirectory	BG102925	HP Acquire Method	BNA_G
		HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064617.D	29 Oct 2025 10:41		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064618.D	29 Oct 2025 11:22		RC/JU	Ok
3	PB170285BL	PB170285BL	BG064619.D	29 Oct 2025 12:03		RC/JU	Ok
4	PB170285BS	PB170285BS	BG064620.D	29 Oct 2025 12:44		RC/JU	Ok,M
5	PB170215BL	PB170215BL	BG064621.D	29 Oct 2025 13:25		RC/JU	Ok
6	PB170215BS	PB170215BS	BG064622.D	29 Oct 2025 14:06		RC/JU	Ok,M
7	Q3477-01	SOUTH-MAHWAH-SOI	BG064623.D	29 Oct 2025 14:50		RC/JU	Ok
8	Q3477-01MS	SOUTH-MAHWAH-SOI	BG064624.D	29 Oct 2025 15:31		RC/JU	Ok,M
9	Q3477-01MSD	SOUTH-MAHWAH-SOI	BG064625.D	29 Oct 2025 16:12		RC/JU	Ok,M
10	Q3419-01	PR-132-S16-015094-20	BG064626.D	29 Oct 2025 16:53		RC/JU	Ok
11	Q3419-02MS	PR-132-S16-015094-20	BG064627.D	29 Oct 2025 17:34		RC/JU	Ok,M
12	Q3419-03MSD	PR-132-S16-015094-20	BG064628.D	29 Oct 2025 18:15		RC/JU	Ok,M
13	Q3468-01	MW-06	BG064629.D	29 Oct 2025 18:56		RC/JU	Ok,M
14	Q3468-02	MW-08	BG064630.D	29 Oct 2025 19:37		RC/JU	Ok,M
15	Q3468-03	MW-10	BG064631.D	29 Oct 2025 20:18		RC/JU	Ok
16	Q3468-04	MW-11	BG064632.D	29 Oct 2025 20:59		RC/JU	Ok
17	Q3468-05	MW-13	BG064633.D	29 Oct 2025 21:40		RC/JU	Ok
18	Q3468-06	MW-12	BG064634.D	29 Oct 2025 22:21		RC/JU	Ok

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG102925

Review By	rahul	Review On	10/30/2025 8:51:46 AM		
Supervise By	Jagrut	Supervise On	10/30/2025 4:39:08 PM		
SubDirectory	BG102925	HP Acquire Method	BNA_G	HP Processing Method	BG102425
STD. NAME		STD REF.#			
Tune/Reschk		SP6875			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13180,10ul/1000ul sample			
ICV/I.BLK		SP6872			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

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PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/23/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137614

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3419-01	PR-132-S16-015094-20251021	1	1.15	11.01	12.16	7.14	54.4	
Q3419-02	Q3419-01MS	2	1.15	11.01	12.16	7.14	54.4	
Q3419-03	Q3419-01MSD	3	1.15	11.01	12.16	7.14	54.4	
Q3419-04	PR-132-S16-119133-20251021	4	1.16	10.07	11.23	6.37	51.7	
Q3419-05	PR-132-S16-094119-20251021	5	1.19	11.07	12.26	6.38	46.9	
Q3422-01	PR132-S15-000008-20251017	6	1.18	11.02	12.2	7.58	58.1	
Q3424-01	PR132-DP3-20251021	7	1.15	10.36	11.51	5.91	45.9	
Q3424-02	PR132-S11-010080-20251021	8	1.12	10.72	11.84	6.49	50.1	
Q3424-03	PR132-S14-00094-20251021	9	1.14	11.34	12.48	6.82	50.1	
Q3427-01	TP-8	10	1.11	10.77	11.88	10.84	90.3	
Q3427-02	TP-8-EPH	11	1.18	10.97	12.15	10.98	89.3	
Q3427-03	TP-8-VOC	12	1.19	10.26	11.45	10.52	90.9	
Q3429-01	40309	13	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3429-02	40310	14	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3430-01	BUR-25-0095	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3431-01	EO-02-10222025	16	1.11	10.55	11.66	10.64	90.3	
Q3431-02	EO-02-10222025-E2	17	1.17	10.59	11.76	10.59	89.0	
Q3434-01	PR132-WC1-20251022	18	1.13	10.43	11.56	7.17	57.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

137614

WorkList Name : %1-102225 WorkList ID : 192597 Department : Wet-Chemistry Date : 10-22-2025 09:03:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3419-01	PR-132-S16-015094-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-02	Q3419-01MS	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-03	Q3419-01MSD	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-04	PR-132-S16-119133-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-05	PR-132-S16-094119-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3422-01	PR132-S15-000008-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3424-01	PR132-DP3-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3424-02	PR132-S11-010080-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3424-03	PR132-S14-00094-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3427-01	TP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3427-02	TP-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3427-03	TP-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3429-01	40309	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3429-02	40310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3430-01	BUR-25-0095	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3431-01	EO-02-10222025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/22/2025	Chemtech -SO
Q3431-02	EO-02-10222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/22/2025	Chemtech -SO
Q3434-01	PR132-WC1-20251022	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/22/2025	Chemtech -SO

Date/Time 10/22/25 15:00

Raw Sample Received by: JG WWC

Raw Sample Relinquished by: JG WWC

Date/Time

Raw Sample Received by: JG WWC

Raw Sample Relinquished by: JG WWC

SOP ID:	M3541-ASE Extraction-15		
Clean Up SOP #:	N/A	Extraction Start Date :	10/23/2025
Matrix :	Solid	Extraction Start Time :	09:15
Weigh By:	EH	Extraction By:	RJ
Balance check:	EH	Extraction End Date :	10/23/2025
Balance ID:	EX-SC-2	Filter By:	RJ
pH Strip Lot#:	N/A	Extraction End Time :	12:45
		Concentration By:	EH
		Supervisor By :	RUPESH
Extraction Method:	☐ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6865
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2641
Baked Na2SO4	N/A	EP2652
Sand	N/A	E3951
Methylene Chloride	N/A	E3980
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID:	N/A	Envap ID:	N-EVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/25	RS (Ext Lab)	Rclsvac
12:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/23/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170215BL	SBLK215	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB170215BS	SLCS215	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q3395-01	PR132-S09-000051-2025 1017	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q3395-02	PR132-S07-000102-2025 1017	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		4
Q3395-03	Q3395-02MS	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		5
Q3395-04	Q3395-02MSD	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		6
Q3395-05	PR132-S07-102116-2025 1017	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		U2-1
Q3395-06	PR132-COMP03-2025101 7	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		2
~~Q3395-07~~	~~PR132-S08-038048-2025 1017~~	~~SVOC-TCL BNA -20~~		~~N/A~~	~~ritesh~~	~~Evelyn~~	~~1~~			
Q3419-01	PR-132-S16-015094-202 51021	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		3
Q3419-02	Q3419-01MS	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		4
Q3419-03	Q3419-01MSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		5
Q3419-04	PR-132-S16-119133-202 51021	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		6
Q3419-05	PR-132-S16-094119-202 51021	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		U3-1
Q3422-01	PR132-S15-000008-2025 1017	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	F		2
Q3424-01	PR132-DP3-20251021	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		3
Q3424-02	PR132-S11-010080-2025 1021	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	F		4
Q3424-03	PR132-S14-00094-20251 021	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		5
Q3427-01	TP-8	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		6
Q3431-01	EO-02-10222025	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		U4-1
Q3434-01	PR132-WC1-20251022	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		2

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3422 WorkList ID : 192632 Department : Extraction Date : 10-23-2025 08:59:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3395-01	PR132-S09-000051-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-02	PR132-S07-000102-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-03	Q3395-02MS	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-04	Q3395-02MSD	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-05	PR132-S07-102116-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-06	PR132-COMP03-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-07	PR132-S08-038048-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3419-01	PR-132-S16-015094-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3419-02	Q3419-01MS	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3419-03	Q3419-01MSD	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3419-04	PR-132-S16-119133-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3419-05	PR-132-S16-094119-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3422-01	PR132-S15-000008-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3424-01	PR132-DP3-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/21/2025	8270E
Q3424-02	PR132-S11-010080-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/21/2025	8270E
Q3424-03	PR132-S14-00094-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/21/2025	8270E
Q3427-01	TP-8	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/21/2025	8270E
Q3431-01	EO-02-10222025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	10/22/2025	8270E
Q3434-01	PR132-WC1-20251022	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/22/2025	8270E

Date/Time: 10/23/25 9:10
 Raw Sample Received by: RJ (Ext-126)
 Raw Sample Relinquished by: CJ (Ext-126)

Date/Time: 10/23/25 9:45
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: RJ (Ext-126)

Prep Standard - Chemical Standard Summary

Order ID : Q3419

Test : SVOC-TCL BNA -20

Prepbatch ID : PB170215,

Sequence ID/Qc Batch ID: BF102425,BF102725,BF102825,BF102925,BG102725,BG102825,BG102925,

Standard ID :

EP2641,EP2652,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6865,SP6869,SP6871,SP6872,SP6875,

Chemical ID :

10ul/1000ul

sample,E3875,E3932,E3951,E3954,E3965,E3972,E3973,E3980,S11073,S11484,S11652,S11807,S11808,S12197,S12199,S12200,S12201,S12220,S12221,S12245,S12306,S12307,S12507,S12508,S12552,S12553,S12554,S12555,S12556,S12557,S12558,S12559,S12560,S12577,S12739,S12776,S12903,S12904,S12905,S13089,S13090,S13091,S13092,S13093,S13094,S13095,S13096,S13097,S13118,S13119,S13120,S13149,S13160,S13170,S13175,S13179,S13180,S13207,S13214,S13233,S13239,S13240,S13241,S13242,S13243,S13244,S13269,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2641	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel
09/16/2025								

FROM 8000.00000ml of E3972 + 8000.00000ml of E3973 = Final Quantity: 16000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel
10/10/2025								

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4216	80ng ICC	SP6857	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.20000ml of E3954 + 0.80000ml of SP6856 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4217	60ng ICC	SP6858	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.40000ml of E3954 + 0.60000ml of SP6856 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4218	50ng ICC	SP6859	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6856 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4219	40ng ICC	SP6860	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.60000ml of E3954 + 0.40000ml of SP6856 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4220	20ng ICC	SP6861	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.80000ml of E3954 + 0.20000ml of SP6856 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4221	10ng ICC	SP6862	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.75000ml of E3954 + 0.25000ml of SP6860 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4222	5ng ICC	SP6863	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.87500ml of E3954 + 0.12500ml of SP6860 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4223	2.5ng ICC	SP6864	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6863 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
171	8270/625 Spike Solution, 50/100 PPM	SP6865	08/25/2025	10/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								08/26/2025

FROM 0.40000ml of S11484 + 0.40000ml of S11652 + 0.40000ml of S12552 + 0.40000ml of S13149 + 0.40000ml of S13160 + 0.40000ml of S13207 + 0.90000ml of S12507 + 0.90000ml of S13089 + 1.10000ml of S13120 + 1.20000ml of S12553 + 1.20000ml of S12554 + 1.20000ml of S12555 + 1.20000ml of S12556 + 1.20000ml of S12557 + 1.20000ml of S12558 + 1.20000ml of S12559 + 1.20000ml of S13269 + 1.30000ml of S11808 + 1.30000ml of S12508 + 1.30000ml of S13090 + 1.30000ml of S13091 + 1.30000ml of S13092 + 1.30000ml of S13093 + 1.30000ml of S13094 + 1.30000ml of S13095 + 1.30000ml of S13096 + 1.30000ml of S13118 + 1.30000ml of S13119 + 1.30000ml of S13239 + 1.30000ml of S13240 + 1.30000ml of S13241 + 1.30000ml of S13242 + 1.30000ml of S13243 + 1.30000ml of S13244 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6869	09/10/2025	01/02/2026	Jagrut Upadhyay	None	None	Rahul Chavli
								09/16/2025

FROM 3.00000ml of S12197 + 3.00000ml of S12220 + 5.60000ml of S12221 + 5.60000ml of S12903 + 5.80000ml of S12904 + 6.00000ml of S12199 + 6.00000ml of S12200 + 965.00000ml of E3965 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6871	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								09/27/2025

FROM 0.04000ml of S12201 + 0.08000ml of S12905 + 0.10000ml of S11073 + 0.20000ml of S12560 + 0.20000ml of S13097 + 0.20000ml of S13244 + 1.18000ml of E3973 = Final Quantity: 2.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
416	40 ng BNA ICV, 40 PPM	SP6872	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								09/27/2025

FROM 0.01000ml of S13175 + 0.60000ml of E3973 + 0.40000ml of SP6871 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3895	50 ug/ml DFTPP 8270E	SP6875	09/30/2025	03/30/2026	Rahul Chavli	None	None	Jagrut Upadhyay
								09/30/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3973 = Final Quantity: 20.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	10/10/2025 / RUPESH	10/10/2025 / RUPESH	E3980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	11/16/2025	05/16/2025 / Jagrut	02/06/2023 / Christian	S11073

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/30/2026	07/30/2025 / Rahul	11/09/2023 / Yogesh	S11652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	02/25/2026	08/25/2025 / Jagrut	11/21/2023 / rahul	S11808

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12199

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/22/2026	09/22/2025 / Jagrut	03/15/2024 / Rahul	S12201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12221

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	12/16/2025	06/16/2025 / Jagrut	05/14/2024 / Rahul	S12245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12307

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12508

[CS 4978-1]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12553

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12554

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12555

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12556

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12557

[CS 4978-2]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12558

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12559

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	03/22/2026	09/22/2025 / Jagrut	07/23/2024 / RAHUL	S12560

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH ₂ Cl ₂ , 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/12/2026	08/12/2025 / Jagrut	10/08/2024 / anahy	S12739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12903

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0216785	03/22/2026	09/22/2025 / Jagrut	12/09/2024 / anahy	S12905

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13089

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13090

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13091

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13092

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13094

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13095

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13096

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	09/03/2025 / Jagrut	05/20/2025 / Rahul	S13097

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13118

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13119

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13120

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	02/25/2026	08/25/2025 / Jagrut	11/13/2023 / Rahul	S13149

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	02/25/2026	08/25/2025 / Jagrut	06/04/2025 / Rahul	S13160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0224359	03/15/2026	09/15/2025 / rahul	06/02/2025 / anahy	S13175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0224359	04/17/2026	10/17/2025 / rahul	06/02/2025 / anahy	S13179

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0224359	03/31/2031	03/31/2025 / anahy	06/02/2025 / anahy	S13180

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul,	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

Chromatographic,
CS-347186

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13239

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13240

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13241

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13242

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13243

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13244

[CS 4978-1]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0228494	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13269

[CS 4978-2]

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CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on
02/08/23

b1
CG

S 11071
to
S 11075

Catalog No. : 31853 Lot No.: A0187043
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : July 31, 2027 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	1,4-Dioxane CAS # 123-91-1 Purity 99% (Lot SHBN5929)	2,019.0 µg/mL	+/- 11.8486 µg/mL Gravimetric +/- 43.2570 µg/mL Unstressed +/- 44.5129 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

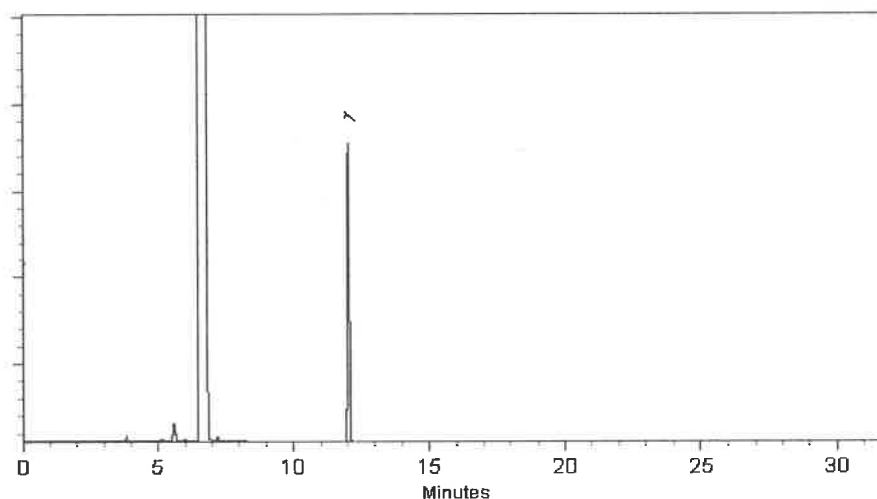
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022

Balance: 1128360905

Marlina Cowan - Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantors[™]



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Rec on 8/20/25

E3965

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

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Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date: 2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS
7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date: 2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

REC. ON 10/10/25
RJ

E3980

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard
Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

51148h
↓
511493
Y.P.
08/10/28

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckal - Mix Technician

Date Mixed: 02-Aug-2023

Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard
Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649
↓
511658 } Y.P.
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023

Balance: B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11795
↓
S11808 } RC /
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

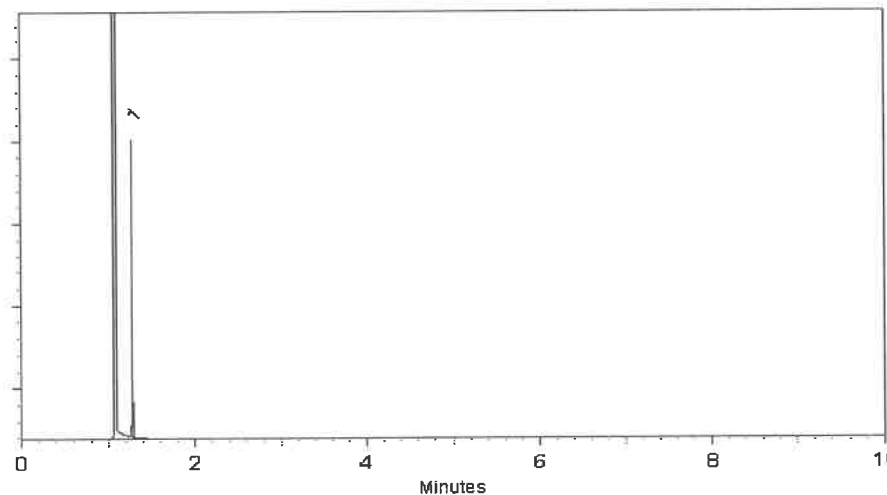
FID

Split Vent:

100 mL/min.

Inj. Vol

1µL



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓
512206 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

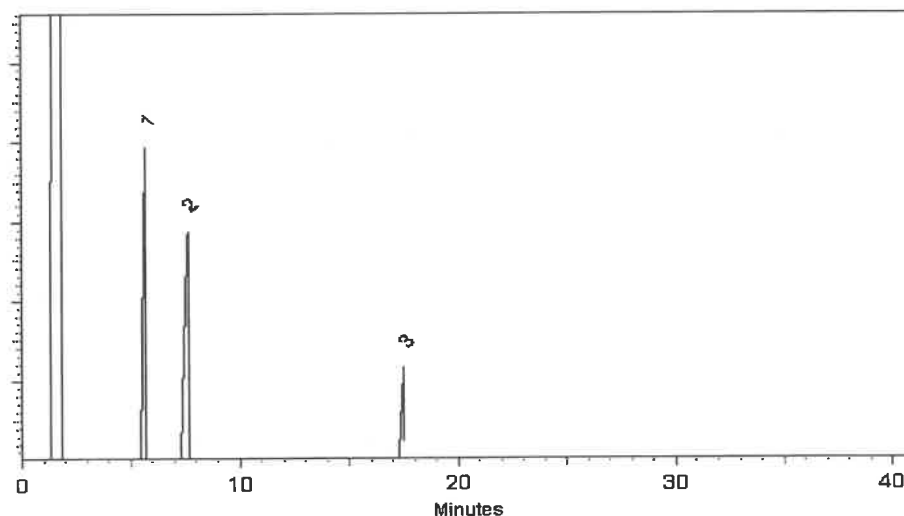
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope A. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

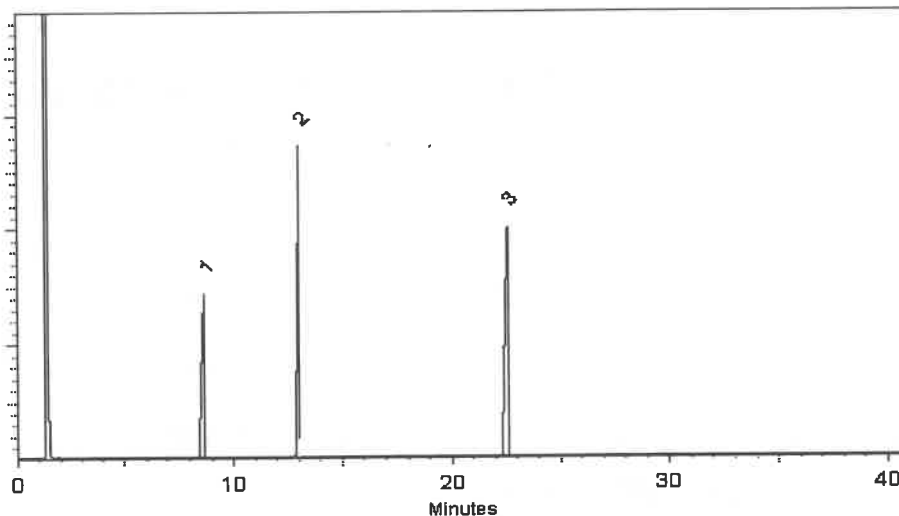
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30409 **Lot No.:** A0206650
Description : Pyridine Standard
Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

512242 } RC/
↓
512254 } 5/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

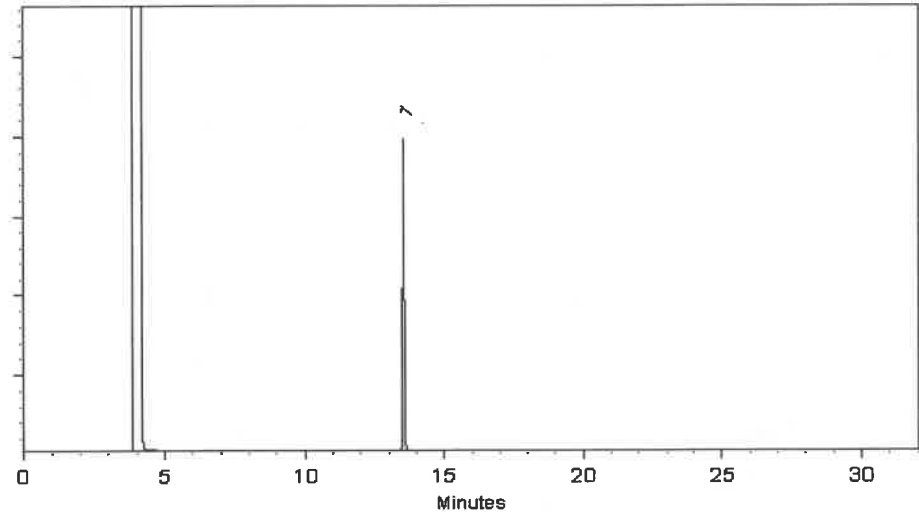
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard
Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

512302 } RC/
↓
512311 } 5/30/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

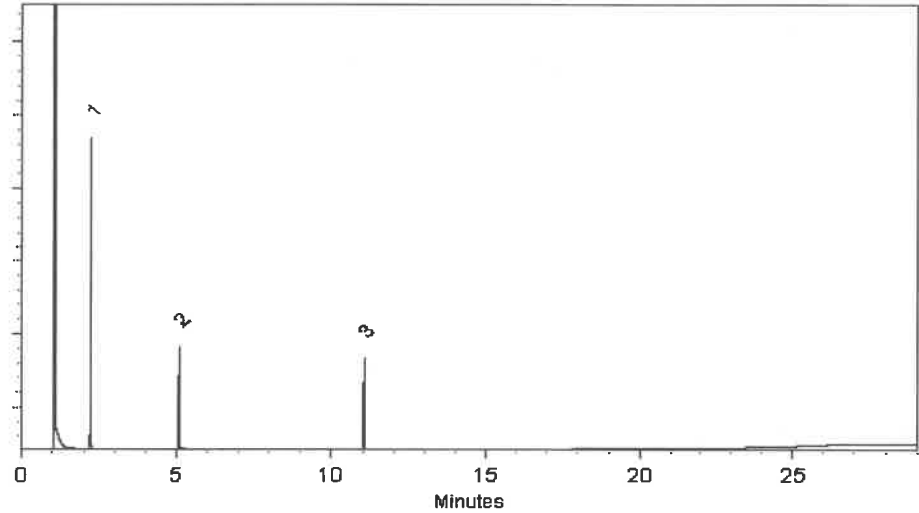
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024

Balance Serial # B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955
Description : GC/MS Tuning Mixture
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2027 **Storage:** 10°C or colder
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 } RC
↓
S12579 } 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

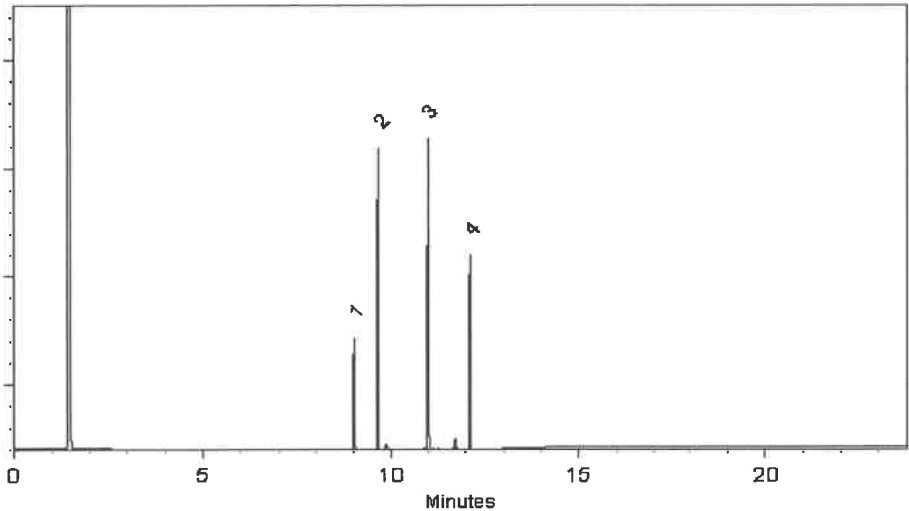
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

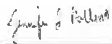
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix
OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12736 } AC
↓
S12754 } 10/9/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/-	19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/-	19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/-	19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/-	19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/-	19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/-	19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/-	19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/-	19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/-	19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/-	19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/-	18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/-	19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/-	19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/-	19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/-	19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/-	19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/-	19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/-	18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/-	19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/-	19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/-	19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/-	19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/-	19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/-	19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/-	19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/-	19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/-	19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/-	19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/-	19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/-	19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/-	19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/-	19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/-	19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/-	19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/-	19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/- 19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 19.1863

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



CERTIFIED WEIGHT REPORT

Part Number: **90494**
Lot Number: **061323**
Description: **1-Methylnaphthalene**

Solvent(s): **Lot#**
Methylene chloride **C21F09CAS0000DCM**

Expiration Date: **061328**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **2000**
NIST Test ID#: **6UTB**

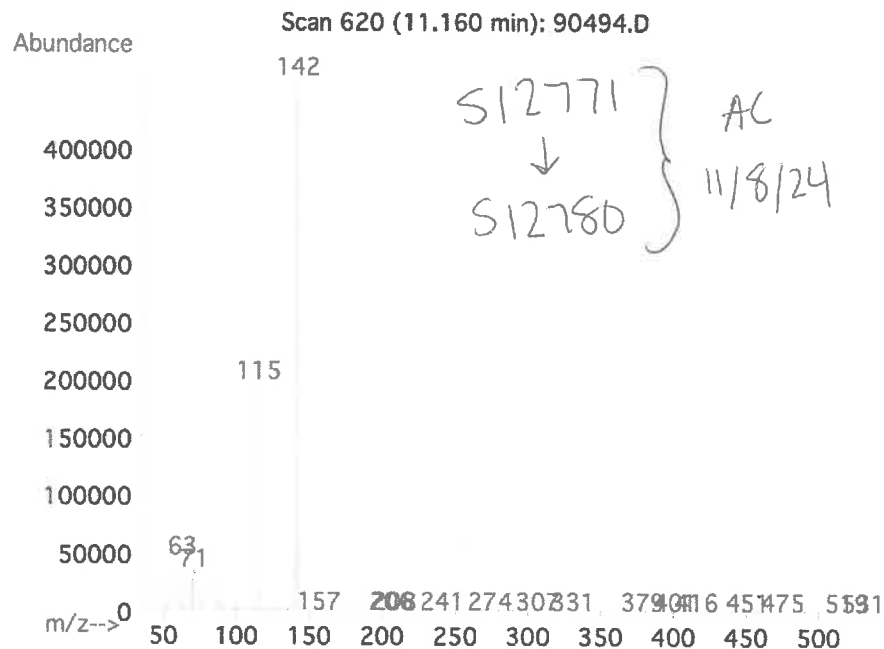
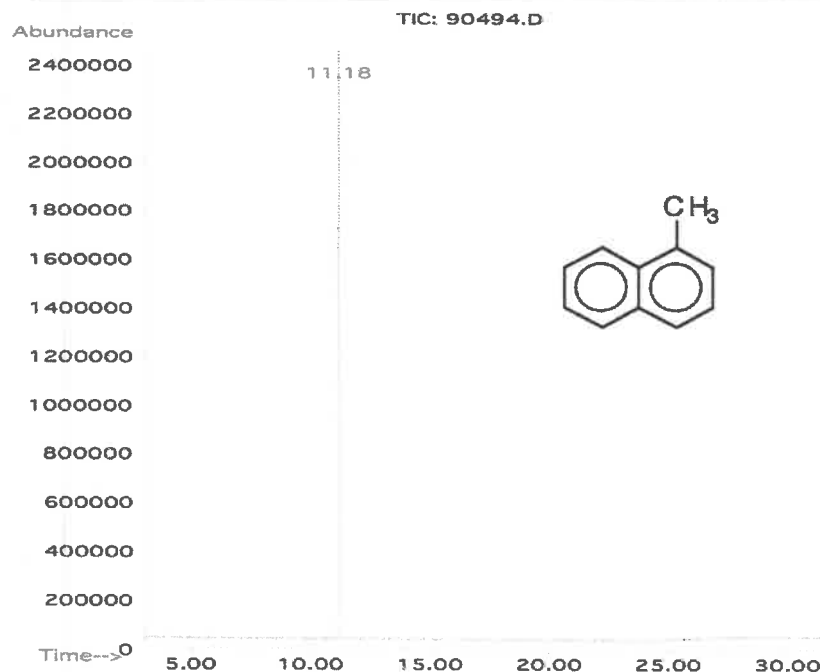
Weight(s) shown below were combined and diluted to (mL): **100.0**

5E-05 Balance Uncertainty
0.031 Flask Uncertainty

<i>Prashant Chauhan</i>		061323
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		061323
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	ori-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

513088 }
↓
513117 } 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511	
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916	
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612	
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402	1
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571	2
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516	3
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335	4
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980	5
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328	6
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793	7
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144	8
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269	9
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975	10
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566	11
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571	12
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757	13
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584	14
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475	15
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888	16
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616	17
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489	18
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734	
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003	
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847	
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525	
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657	
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803	
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803	
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930	
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616	
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739	
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948	
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584	
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762	
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844	
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589	

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

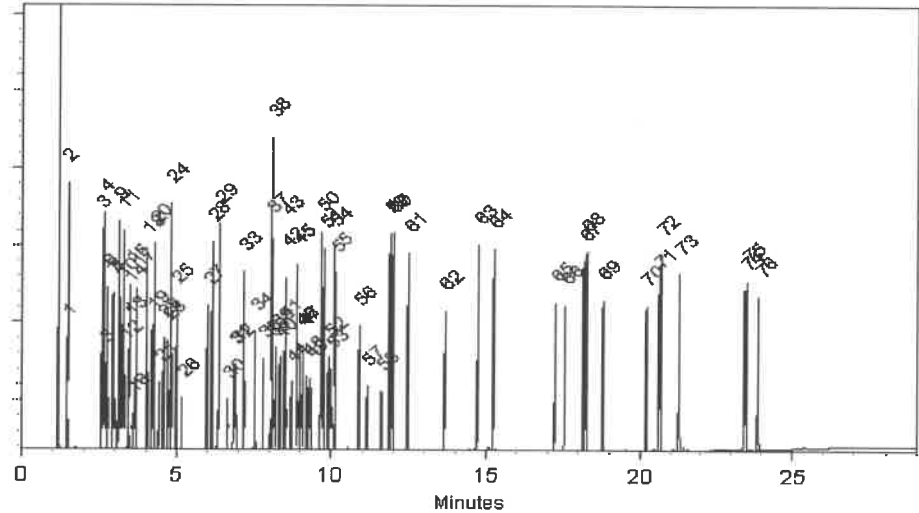
FID

Split Vent:

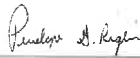
100 ml/min.

Inj. Vol

1µl

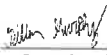


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025

Balance Serial # 1128360905


Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

513088 }
↓
513117 } 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511	
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916	
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612	
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402	1
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571	2
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516	3
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335	4
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980	5
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328	6
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793	7
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144	8
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269	9
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975	10
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566	11
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571	12
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757	13
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584	14
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475	15
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888	16
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616	17
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489	18
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734	
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003	
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847	
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525	
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657	
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803	
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803	
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930	
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616	
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739	
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948	
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584	
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762	
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844	
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589	

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

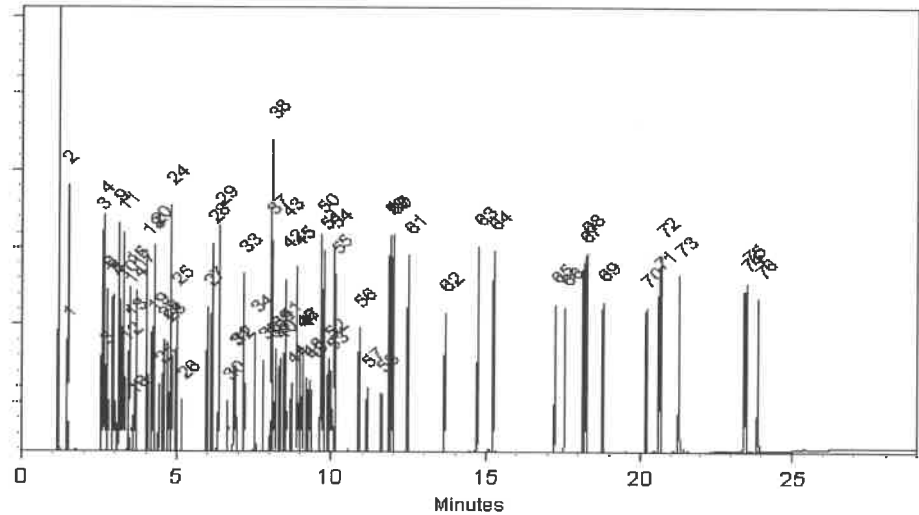
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Split Vent:

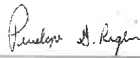
100 ml/min.

Inj. Vol

1µl

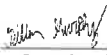


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025

Balance Serial # 1128360905


Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0218894
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : November 30, 2029 **Storage:** 0°C or colder
Ship: Ambient

513118 } RC/
↓
513147 } 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

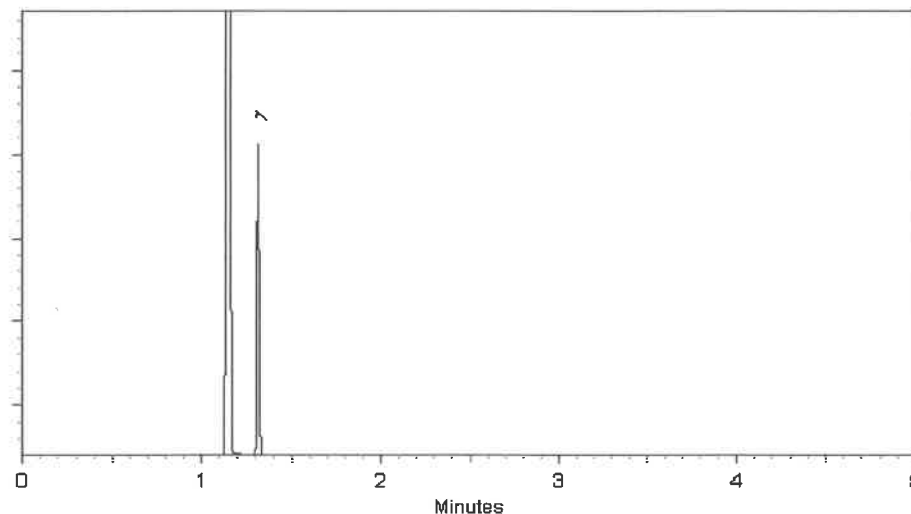
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024

Balance Serial # 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

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Certificate #FM 80397



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gravimetric



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Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard
Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder
Ship: Ambient

513158 } RC/
↓
513167 } 6/4/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025

Balance: C322230531

REVIEWED
By: [Signature] Murphy at 11:21 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13168
↓
S13197 } AC
6/9/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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gravimetric



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Catalog No. : 555868 **Lot No.:** A0226493

Description : Custom Benzidine Standard
Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

S13198
↓
S13207 } AC
6/11/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I

Date Mixed: 09-Jun-2025

Balance: 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix
Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 } AC
↓
S13218 } 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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chromatographic



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Catalog No. : 582978

Lot No.: A0228192

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride,
1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : July 31, 2028

Storage: 0°C or colder

Ship: Ambient

513229 } RC/
↓
513238 } 8/1/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride

CAS # 75-09-2

Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

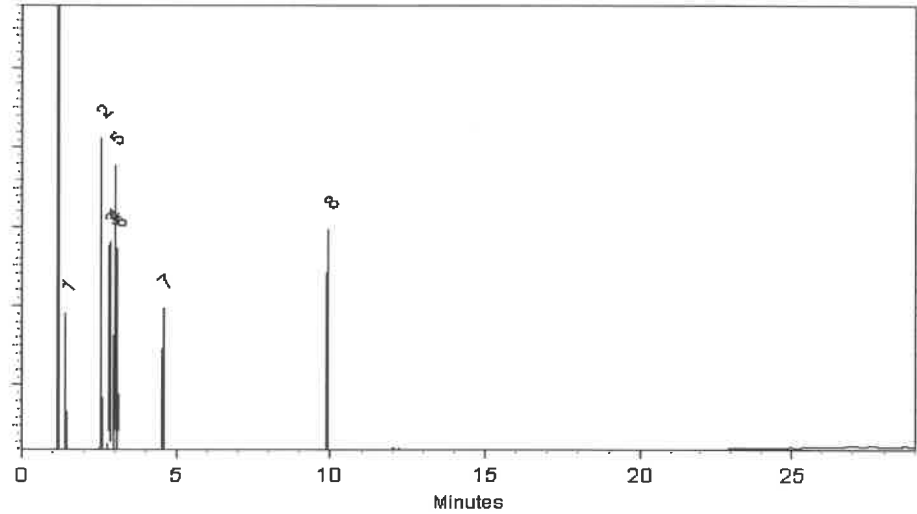
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres
Wilner Torres - Operation Tech I

Date Mixed: 27-Jul-2025

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 30-Jul-2025

REVIEWED
By: [Signature] Murphy at 10:51 pm, Jul 30, 2025

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Certificate #FM 80397



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Catalog No. : 555223 **Lot No.:** A0228451

Description : Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

S13239 } RC/
↓
S13268 } 08/06/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Sucka - Mix Technician

Date Mixed: 01-Aug-2025

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 Lot No.: A0228494

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride,
1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : August 31, 2027

Storage: 10°C or colder

Ship: Ambient

513269 } RC1
↓
513298 } 08/06/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,002.0 µg/mL	+/- 29.453715
2	Acetophenone	98-86-2	STBH8205	99%	1,001.0 µg/mL	+/- 29.424320
3	Benzaldehyde	100-52-7	RD250319RSR	99%	1,003.0 µg/mL	+/- 29.483110
4	Benzoic acid	65-85-0	MKCX1578	99%	1,001.0 µg/mL	+/- 29.424320
5	Biphenyl	92-52-4	MKCS5928	99%	1,002.0 µg/mL	+/- 29.453715

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Laith Clemente - Operations Technician I

Date Mixed: 04-Aug-2025

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Certificate of Analysis

gravimetric



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Catalog No. : 555869 **Lot No.:** A0201702
Description : Custom Hexachlorocyclopentadiene Standard
Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol,
1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : September 30, 2026 **Storage:** 10°C or colder
Ship: Ambient

513148
↓
513157
RC
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



SHIPPING DOCUMENTS

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CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY: New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

PROJECT NAME: Port Richmond
PROJECT NO.: 60693795 LOCATION: Staten Isl
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: 11 FAX:

BILL TO: AECOM PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: Rob Forstner PHONE: 11

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. SVOCs 2. Pesticides TCL 3. Hg Metals 4. PCBs Hexachlorine 5. Dioxin 6. Grain size 7. TOCS 8. VOCs 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	PR-132-S16-015094-20251021	S		X	10/21	9:31	11	X	X	X	X	X	X	X	X		
2.	PR-132-S16-015094-20251021-HS	S		X	10/21	9:31	10	X	X	X	X	X		X	X		
3.	PR132-S16-015094-20251021-MSD	S		X	10/21	9:31	10	X	X	X	X	X		X	X		
4.	PR132-S16-119133-20281021	S		X	10/21	9:33	11	X	X	X	X	X	X	X	X		
5.	PR132-S16-094119-20281021	S		X	10/21	9:33	11	X	X	X	X	X	X	X	X		
6.	Temp Blank	A			10/21		1	X	X	X	X	X			X		
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Jim Alderson	DATE/TIME: 10/21/25 430	RECEIVED BY: 1. [Signature] 10-21-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 22.8 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 10-21-25	RECEIVED BY: 3.	

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3419	AECO02	Order Date : 10/22/2025 11:01:00 AM	Project Mgr :
Client Name : AECOM		Project Name : AE1-CTY 3.2.Z-PR-DOCK	Report Type : NYS ASP <i>B</i>
Client Contact : Rob Forstner		Receive DateTime : 10/21/2025 5:40:00 PM	EDD Type : EQUIS
Invoice Name : AECOM		Purchase Order :	Hard Copy Date :
Invoice Contact : Rob Forstner			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3419-01	PR-132-S16-015094-20251021	Solid	10/21/2025	09:31					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3419-02	Q3419-01MS	Solid	10/21/2025	09:31					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3419-03	Q3419-01MSD	Solid	10/21/2025	09:31					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3419-04	<i>PR132</i> ~~PR-132~~ -S16-119133-20251021	Solid	10/21/2025	09:35					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3419-05	<i>PR132</i> ~~PR-132~~ -S16-094119-20251021	Solid	10/21/2025	09:33					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : *[Signature]*

Date / Time : 10/22/25 1245

Received By : *JC*

Date / Time : 10/22/25

1245

Storage Area : VOA Refridgerator Room