

Cover Page

Order ID : Q3321

Project ID : RFP 918

Client : Weston Solutions, Inc.

Lab Sample Number

Q3321-01
Q3321-02

Client Sample Number

P001-DS-01
P001-DS-01

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

Signature : _____

Date: 10/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3321

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: PATEL VAISHALI

Date: 10/17/2025

LAB CHRONICLE

OrderID:	Q3321	OrderDate:	10/9/2025 10:30:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 918
Contact:	Smita Sumbaly	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3321-01	P001-DS-01	SOIL	SVOC-TCL BNA -20	8270E	10/08/25	10/10/25	10/10/25	10/09/25
Q3321-02	P001-DS-01	TCLP	TCLP BNA	8270E	10/08/25	10/13/25	10/14/25	10/09/25



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Hit Summary Sheet
SW-846

SDG No.: Q3321
Client: Weston Solutions, Inc.

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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3321

Client: Weston Solutions, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170062TB	PB170062TB	2-Fluorophenol	150	147	98		23	138
		Phenol-d6	150	140	94		10	134
		Nitrobenzene-d5	100	90.7	91		67	132
		2-Fluorobiphenyl	100	89.4	89		52	132
		2,4,6-Tribromophenol	150	148	99		44	137
		Terphenyl-d14	100	95.7	96		42	152
PB170080BL	PB170080BL	2-Fluorophenol	150	148	99		23	138
		Phenol-d6	150	140	93		10	134
		Nitrobenzene-d5	100	95.3	95		67	132
		2-Fluorobiphenyl	100	93.2	93		52	132
		2,4,6-Tribromophenol	150	152	102		44	137
		Terphenyl-d14	100	96.8	97		42	152
PB170080BS	PB170080BS	2-Fluorophenol	150	144	96		23	138
		Phenol-d6	150	139	93		10	134
		Nitrobenzene-d5	100	86.8	87		67	132
		2-Fluorobiphenyl	100	87.0	87		52	132
		2,4,6-Tribromophenol	150	136	91		44	137
		Terphenyl-d14	100	88.1	88		42	152
Q3321-02	P001-DS-01	2-Fluorophenol	150	157	104		23	138
		Phenol-d6	150	136	91		10	134
		Nitrobenzene-d5	100	108	108		67	132
		2-Fluorobiphenyl	100	107	107		52	132
		2,4,6-Tribromophenol	150	165	110		44	137
		Terphenyl-d14	100	102	102		42	152
Q3321-02MS	P001-DS-01MS	2-Fluorophenol	150	144	96		23	138
		Phenol-d6	150	130	87		10	134
		Nitrobenzene-d5	100	102	102		67	132
		2-Fluorobiphenyl	100	102	102		52	132
		2,4,6-Tribromophenol	150	160	107		44	137
		Terphenyl-d14	100	97.2	97		42	152
Q3321-02MSD	P001-DS-01MSD	2-Fluorophenol	150	142	95		23	138
		Phenol-d6	150	131	87		10	134
		Nitrobenzene-d5	100	96.7	97		67	132
		2-Fluorobiphenyl	100	96.5	96		52	132
		2,4,6-Tribromophenol	150	155	103		44	137
		Terphenyl-d14	100	98.1	98		42	152

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3321

Analytical Method: SW8270E

Client: Weston Solutions, Inc.

DataFile: BG064503.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3321-02MS		Client Sample ID: P001-DS-01MS									
Pyridine	500	0	380	ug/L	76				10	109	
1,4-Dichlorobenzene	500	0	500	ug/L	100				55	125	
2-Methylphenol	500	0	510	ug/L	102				60	131	
3+4-Methylphenols	500	0	490	ug/L	98				54	136	
Hexachloroethane	500	0	490	ug/L	98				19	146	
Nitrobenzene	500	0	550	ug/L	110				62	112	
Hexachlorobutadiene	500	0	540	ug/L	108				52	125	
2,4,6-Trichlorophenol	500	0	590	ug/L	118	*			78	112	
2,4,5-Trichlorophenol	500	0	600	ug/L	120	*			71	111	
2,4-Dinitrotoluene	500	0	600	ug/L	120				74	137	
Hexachlorobenzene	500	0	580	ug/L	116	*			72	115	
Pentachlorophenol	1000	0	1300	ug/L	130				52	162	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3321

Analytical Method: SW8270E

Client: Weston Solutions, Inc.

DataFile: BG064504.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3321-02MSD		Client Sample ID: P001-DS-01MSD									
Pyridine	500	0	390	ug/L	78		3		10	109	20
1,4-Dichlorobenzene	500	0	520	ug/L	104		4		55	125	20
2-Methylphenol	500	0	490	ug/L	98		4		60	131	20
3+4-Methylphenols	500	0	490	ug/L	98		0		54	136	20
Hexachloroethane	500	0	480	ug/L	96		2		19	146	20
Nitrobenzene	500	0	510	ug/L	102		8		62	112	20
Hexachlorobutadiene	500	0	500	ug/L	100		8		52	125	20
2,4,6-Trichlorophenol	500	0	560	ug/L	112		5		78	112	20
2,4,5-Trichlorophenol	500	0	580	ug/L	116	*	3		71	111	20
2,4-Dinitrotoluene	500	0	550	ug/L	110		9		74	137	20
Hexachlorobenzene	500	0	550	ug/L	110		5		72	115	20
Pentachlorophenol	1000	0	1300	ug/L	130		0		52	162	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3321

Analytical Method: 8270E

Client: Weston Solutions, Inc.

DataFile: BG064500.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170080BS	Pyridine	50	37.4	ug/L	75				29	97	
	1,4-Dichlorobenzene	50	49.5	ug/L	99				76	103	
	2-Methylphenol	50	50.1	ug/L	100				69	109	
	3+4-Methylphenols	50	48.0	ug/L	96				67	106	
	Hexachloroethane	50	47.2	ug/L	94				76	118	
	Nitrobenzene	50	46.2	ug/L	92				58	106	
	Hexachlorobutadiene	50	46.0	ug/L	92				69	101	
	2,4,6-Trichlorophenol	50	51.9	ug/L	104				61	110	
	2,4,5-Trichlorophenol	50	52.2	ug/L	104				70	106	
	2,4-Dinitrotoluene	50	49.2	ug/L	98				60	115	
	Hexachlorobenzene	50	47.4	ug/L	95				73	106	
	Pentachlorophenol	100	110	ug/L	110				47	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170080BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab File ID: BG064498.D

Lab Sample ID: PB170080BL

Instrument ID: BNA_G

Date Extracted: 10/13/2025

Matrix: (soil/water) water

Date Analyzed: 10/14/2025

Level: (low/med) LOW

Time Analyzed: 12:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170080BS	PB170080BS	BG064500.D	10/14/2025
P001-DS-01	Q3321-02	BG064502.D	10/14/2025
P001-DS-01MS	Q3321-02MS	BG064503.D	10/14/2025
P001-DS-01MSD	Q3321-02MSD	BG064504.D	10/14/2025
PB170062TB	PB170062TB	BG064499.D	10/14/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064472.D
Instrument ID: BNA_G

Contract: ROYF02
SDG NO.: Q3321
DFTPP Injection Date: 10/02/2025
DFTPP Injection Time: 08:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.1) 1
69	Mass 69 relative abundance	29.9
70	Less than 2.0% of mass 69	0.1 (0.4) 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	6.4
365	Greater than 1% of mass 198	6.7
441	Present, but less than mass 443	16.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 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	BG064473.D	10/02/2025	09:01
SSTDICC005	SSTDICC005	BG064474.D	10/02/2025	09:42
SSTDICC020	SSTDICC020	BG064476.D	10/02/2025	11:33
SSTDICCC040	SSTDICCC040	BG064477.D	10/02/2025	12:14
SSTDICC050	SSTDICC050	BG064478.D	10/02/2025	12:55
SSTDICC060	SSTDICC060	BG064479.D	10/02/2025	13:35
SSTDICC080	SSTDICC080	BG064480.D	10/02/2025	14:16
SSTDICC010	SSTDICC010	BG064481.D	10/02/2025	15:49



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064496.D
Instrument ID: BNA_G

Contract: ROYF02
SDG NO.: Q3321
DFTPP Injection Date: 10/14/2025
DFTPP Injection Time: 10:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.2 (0.7) 1
197	Less than 2.0% of mass 198	0.3
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	6.3
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	96.4
443	15.0 - 24.0% of mass 442	18.7 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064497.D	10/14/2025	11:50
PB170080BL	PB170080BL	BG064498.D	10/14/2025	12:31
PB170062TB	PB170062TB	BG064499.D	10/14/2025	13:11
PB170080BS	PB170080BS	BG064500.D	10/14/2025	14:38
P001-DS-01	Q3321-02	BG064502.D	10/14/2025	16:12
P001-DS-01MS	Q3321-02MS	BG064503.D	10/14/2025	16:52
P001-DS-01MSD	Q3321-02MSD	BG064504.D	10/14/2025	17:33

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3321

Client ID : SSTDCCC040

Date Analyzed: 10/14/2025

Lab File ID: BG064497.D

Time Analyzed: 11:50

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	18728	7.821	80006	10.61	58975	14.45
UPPER LIMIT	37456	8.321	160012	11.112	117950	14.948
LOWER LIMIT	9364	7.321	40003	10.112	29487.5	13.948
EPA SAMPLE NO.						
01 PB170080BL	16844	7.83	64925	10.61	49607	14.45
02 PB170062TB	15800	7.82	64368	10.61	49104	14.45
03 PB170080BS	17466	7.82	74043	10.61	55179	14.45
04 P001-DS-01	17336	7.82	67622	10.61	47788	14.45
05 P001-DS-01MS	18595	7.82	69814	10.61	49830	14.45
06 P001-DS-01MSD	18700	7.83	74842	10.61	54190	14.45

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.: Q3321

Client ID: SSTDCCC040

Date Analyzed: 10/14/2025

Lab File ID: BG064497.D

Time Analyzed: 11:50

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	150748	17.192	156602	21.417	170308	24.39
UPPER LIMIT	301496	17.692	313204	21.917	340616	24.89
LOWER LIMIT	75374	16.692	78301	20.917	85154	23.89
EPA SAMPLE NO.						
01 PB170080BL	132934	17.19	151144	21.41	163949	24.39
02 PB170062TB	132382	17.19	145774	21.41	160375	24.39
03 PB170080BS	139952	17.19	153646	21.41	168945	24.39
04 P001-DS-01	118948	17.19	144130	21.41	157782	24.39
05 P001-DS-01MS	122524	17.19	143332	21.41	156729	24.39
06 P001-DS-01MSD	131474	17.19	145515	21.41	163866	24.39

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



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client: Weston Solutions, Inc.
Project: RFP 918
Client Sample ID: PB170062TB
Lab Sample ID: PB170062TB
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 100 mL Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/13/25
Date Received: 10/13/25
SDG No.: Q3321
Matrix: TCLP
% Solid: 0
Test: TCLP BNA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	12.8	U	1	12.8	50.0	ug/L	10/14/25 13:11	PB170080
106-46-7	1,4-Dichlorobenzene	5.30	U	1	5.30	50.0	ug/L	10/14/25 13:11	PB170080
95-48-7	2-Methylphenol	11.2	U	1	11.2	50.0	ug/L	10/14/25 13:11	PB170080
65794-96-9	3+4-Methylphenols	11.0	U	1	11.0	100	ug/L	10/14/25 13:11	PB170080
67-72-1	Hexachloroethane	6.50	U	1	6.50	50.0	ug/L	10/14/25 13:11	PB170080
98-95-3	Nitrobenzene	7.60	U	1	7.60	50.0	ug/L	10/14/25 13:11	PB170080
87-68-3	Hexachlorobutadiene	5.40	U	1	5.40	50.0	ug/L	10/14/25 13:11	PB170080
88-06-2	2,4,6-Trichlorophenol	5.10	U	1	5.10	50.0	ug/L	10/14/25 13:11	PB170080
95-95-4	2,4,5-Trichlorophenol	6.20	U	1	6.20	50.0	ug/L	10/14/25 13:11	PB170080
121-14-2	2,4-Dinitrotoluene	12.2	U	1	12.2	50.0	ug/L	10/14/25 13:11	PB170080
118-74-1	Hexachlorobenzene	5.20	U	1	5.20	50.0	ug/L	10/14/25 13:11	PB170080
87-86-5	Pentachlorophenol	15.8	U	1	15.8	100	ug/L	10/14/25 13:11	PB170080
SURROGATES									
367-12-4	2-Fluorophenol	147			23 - 138	98%	SPK: 150		
13127-88-3	Phenol-d6	140			10 - 134	94%	SPK: 150		
4165-60-0	Nitrobenzene-d5	90.7			67 - 132	91%	SPK: 100		
321-60-8	2-Fluorobiphenyl	89.4			52 - 132	89%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	148			44 - 137	99%	SPK: 150		
1718-51-0	Terphenyl-d14	95.7			42 - 152	96%	SPK: 100		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	15800							
1146-65-2	Naphthalene-d8	64400							
15067-26-2	Acenaphthene-d10	49100							
1517-22-2	Phenanthrene-d10	132000							
1719-03-5	Chrysene-d12	146000							
1520-96-3	Perylene-d12	160000							

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\BG101425\
Data File : BG064499.D
Acq On : 14 Oct 2025 13:11
Operator : RC/JU
Sample : PB170062TB
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170062TB

Quant Time: Oct 14 13:49:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	15800	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	64368	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	49104	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	132382	20.000	ng	0.00
76) Chrysene-d12	21.413	240	145774	20.000	ng	0.00
86) Perylene-d12	24.392	264	160375	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	125842	147.401	ng	0.00
7) Phenol-d6	7.001	99	161057	140.381	ng	0.01
23) Nitrobenzene-d5	8.975	82	108636	90.749	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	131574	147.823	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	297960	89.441	ng	0.00
79) Terphenyl-d14	19.809	244	737390	95.731	ng	0.00

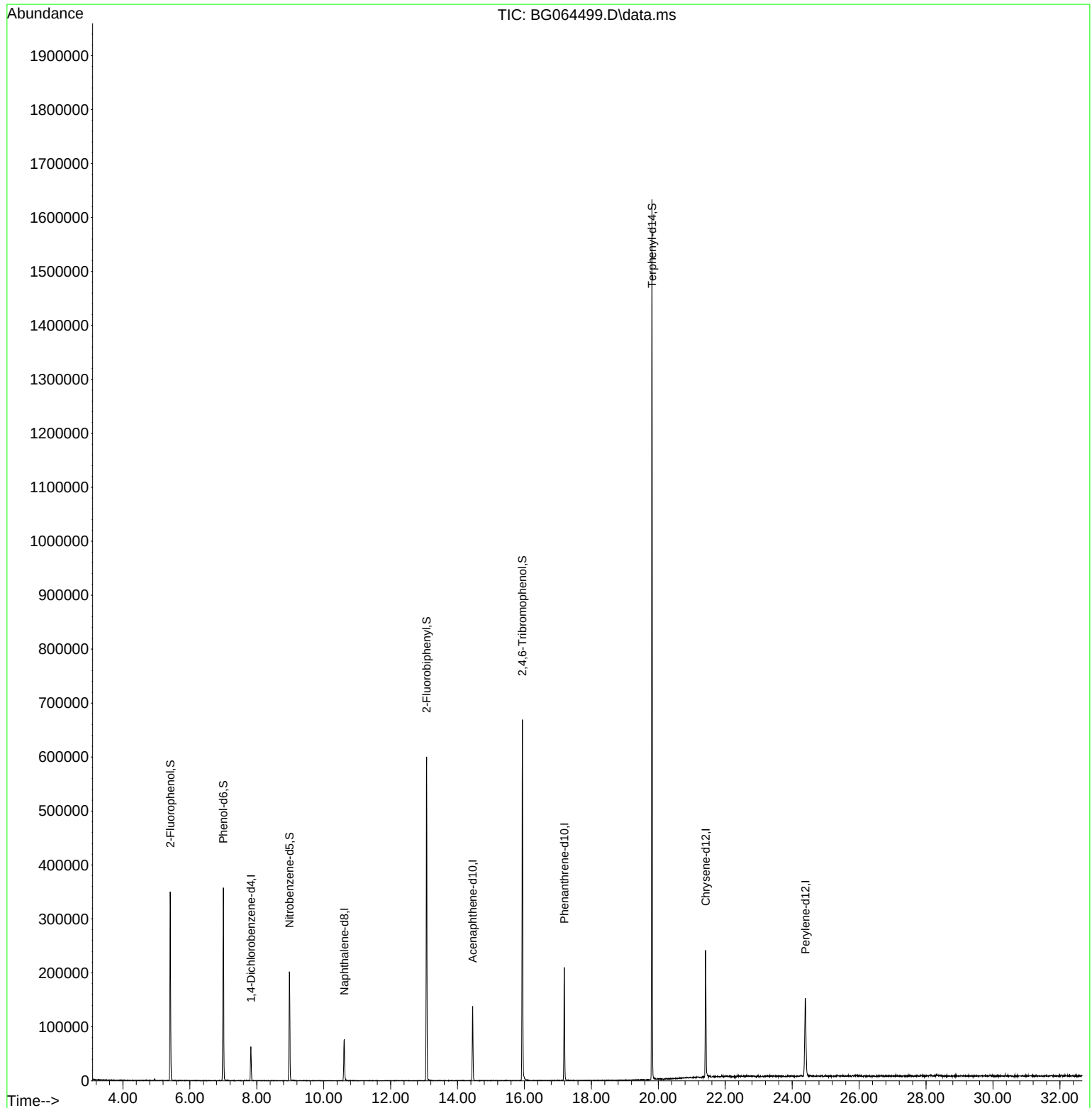
Target Compounds	Qvalue

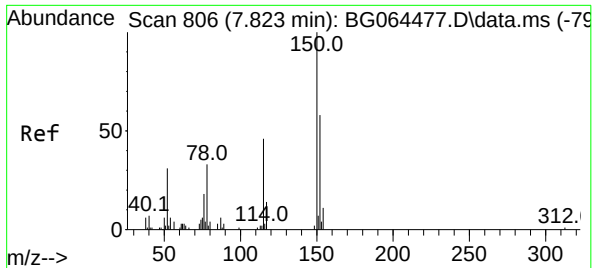
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
Data File : BG064499.D
Acq On : 14 Oct 2025 13:11
Operator : RC/JU
Sample : PB170062TB
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170062TB

Quant Time: Oct 14 13:49:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

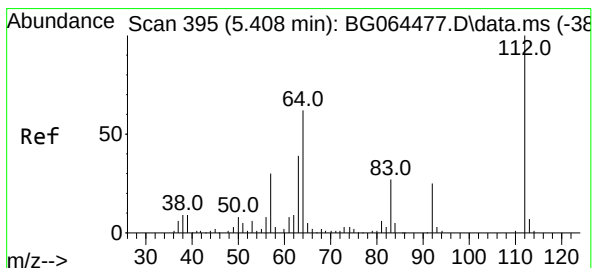
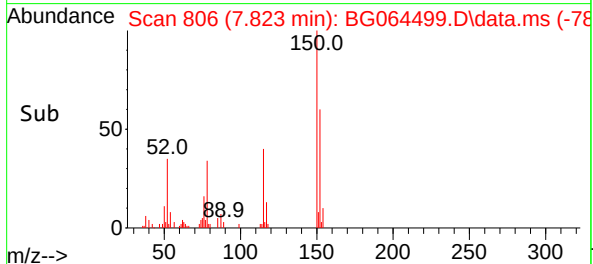
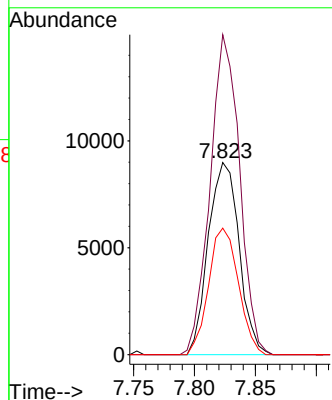
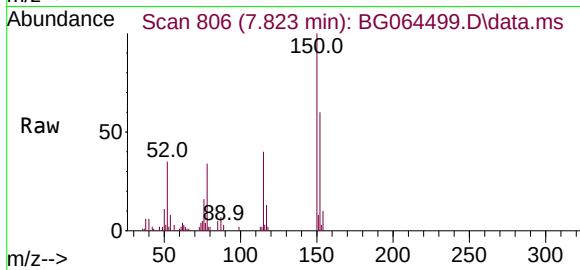




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 806
Delta R.T. 0.003 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

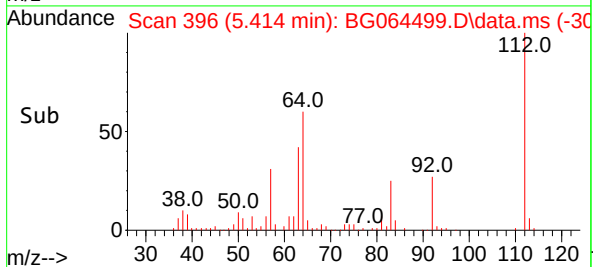
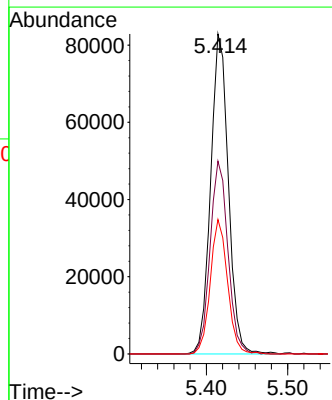
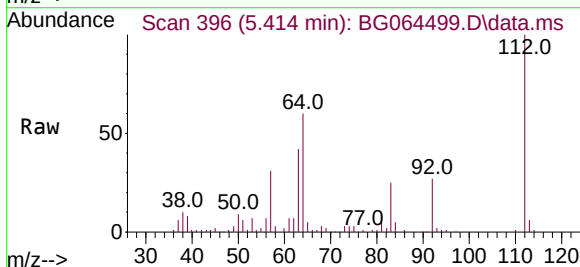
Instrument :
BNA_G
ClientSampleId :
PB170062TB

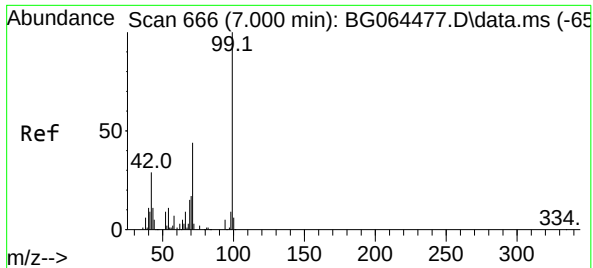
Tgt Ion:152 Resp: 15800
Ion Ratio Lower Upper
152 100
150 166.7 138.6 207.8
115 65.9 63.4 95.2



#5
2-Fluorophenol
Concen: 147.401 ng
RT: 5.414 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

Tgt Ion:112 Resp: 125842
Ion Ratio Lower Upper
112 100
64 60.3 49.8 74.8
63 42.0 31.3 46.9

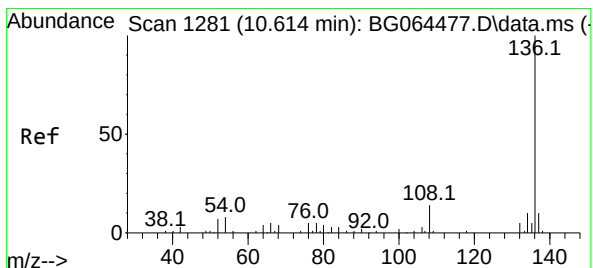
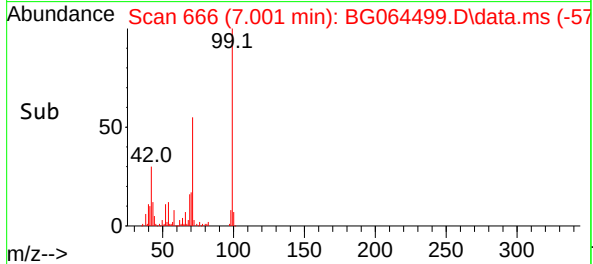
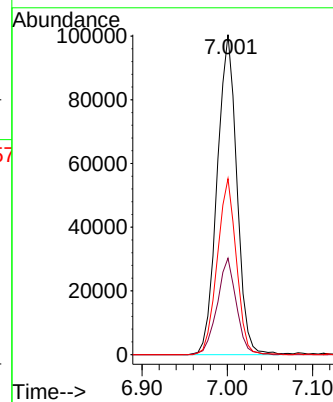
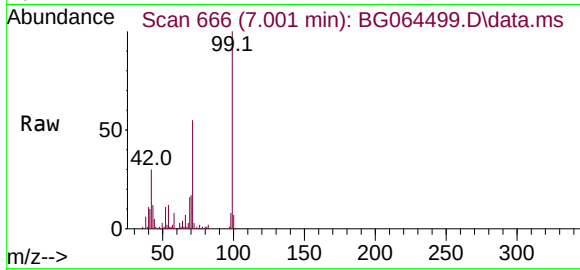




#7
Phenol-d6
Concen: 140.381 ng
RT: 7.001 min Scan# 60
Delta R.T. 0.015 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

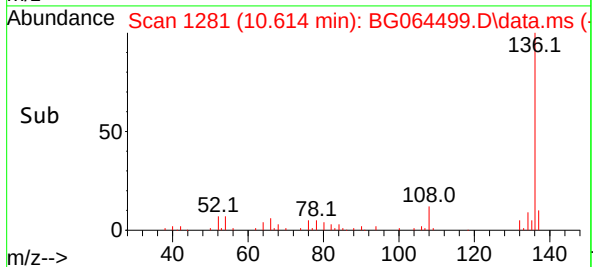
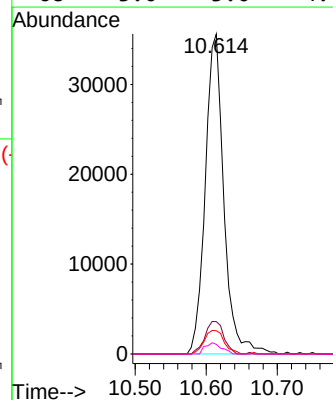
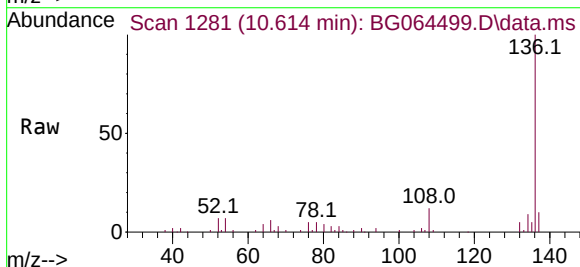
Instrument :
BNA_G
ClientSampleId :
PB170062TB

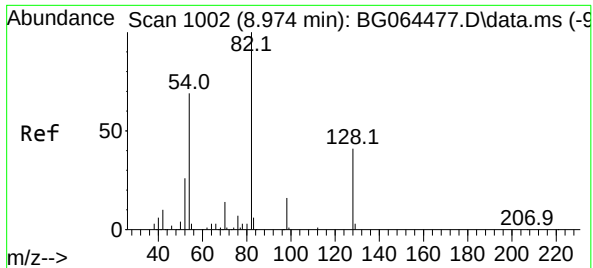
Tgt Ion: 99 Resp: 161057
Ion Ratio Lower Upper
99 100
42 30.1 22.9 34.3
71 55.0 35.4 53.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1281
Delta R.T. 0.009 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

Tgt Ion: 136 Resp: 64368
Ion Ratio Lower Upper
136 100
137 10.1 8.3 12.5
54 7.2 6.2 9.4
68 3.0 3.0 4.4





#23

Nitrobenzene-d5

Concen: 90.749 ng

RT: 8.975 min Scan# 1002

Delta R.T. 0.009 min

Lab File: BG064499.D

Acq: 14 Oct 2025 13:11

Instrument :

BNA_G

ClientSampleId :

PB170062TB

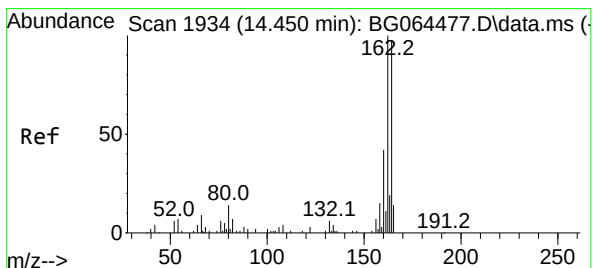
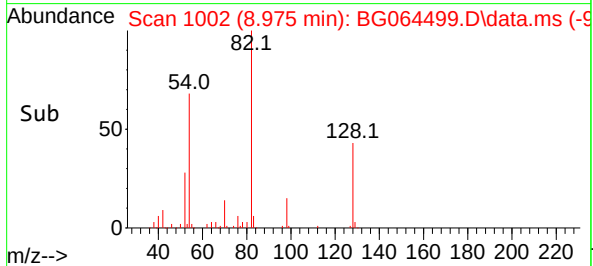
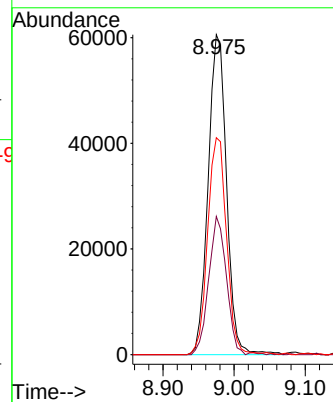
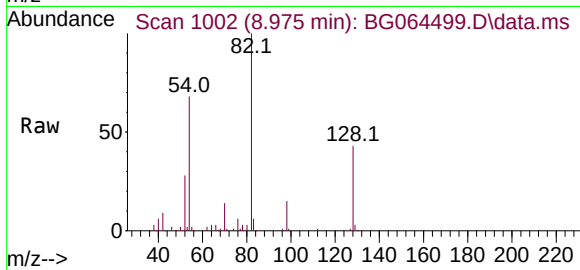
Tgt Ion: 82 Resp: 108636

Ion Ratio Lower Upper

82 100

128 43.2 33.1 49.7

54 67.8 55.4 83.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1934

Delta R.T. 0.003 min

Lab File: BG064499.D

Acq: 14 Oct 2025 13:11

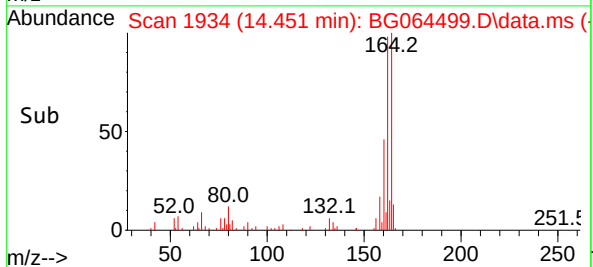
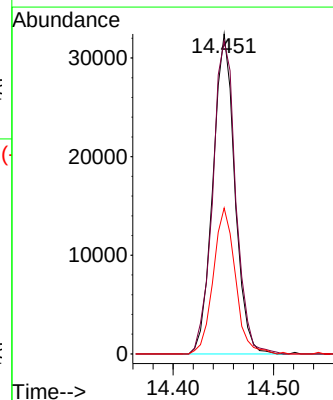
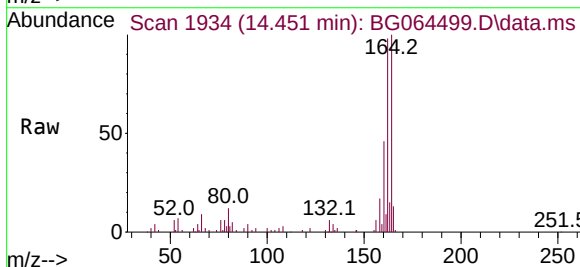
Tgt Ion:164 Resp: 49104

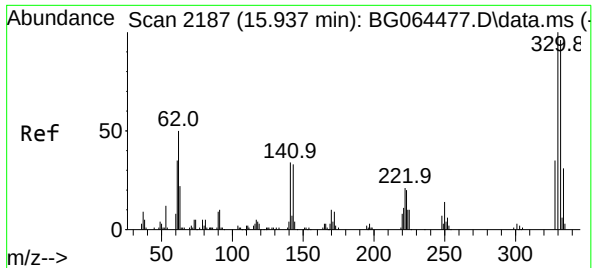
Ion Ratio Lower Upper

164 100

162 97.8 82.2 123.2

160 45.6 34.3 51.5

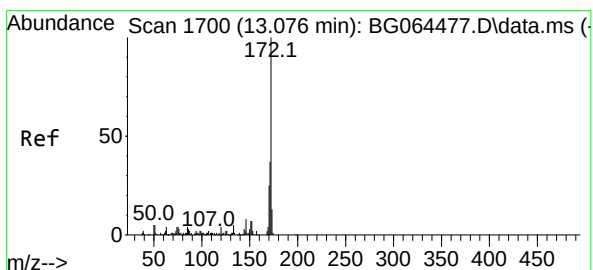
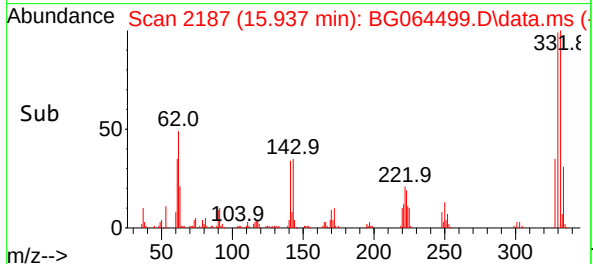
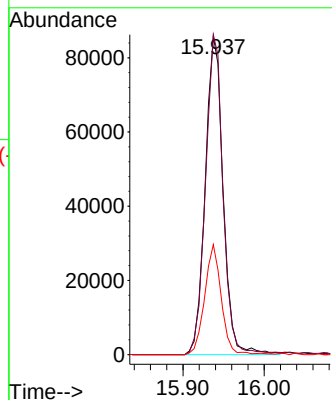
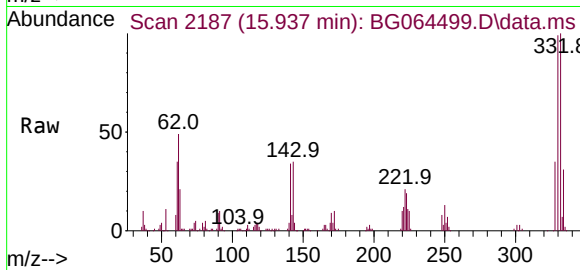




#42
 2,4,6-Tribromophenol
 Concen: 147.823 ng
 RT: 15.937 min Scan# 2187
 Delta R.T. 0.003 min
 Lab File: BG064499.D
 Acq: 14 Oct 2025 13:11

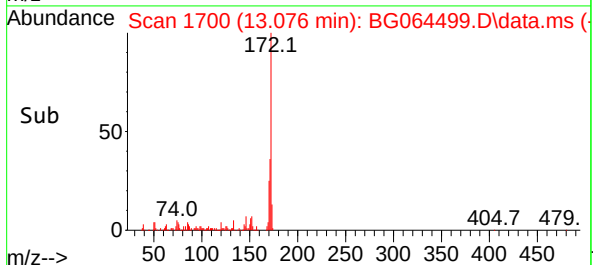
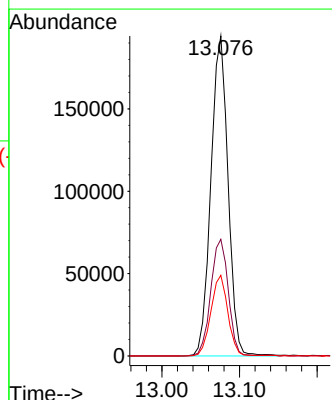
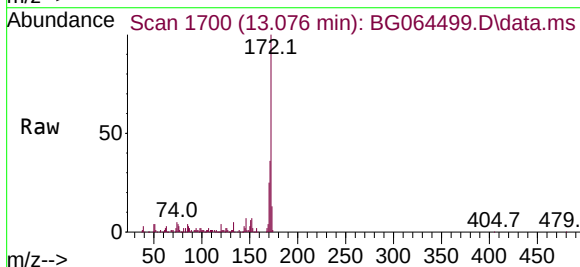
Instrument :
 BNA_G
 ClientSampleId :
 PB170062TB

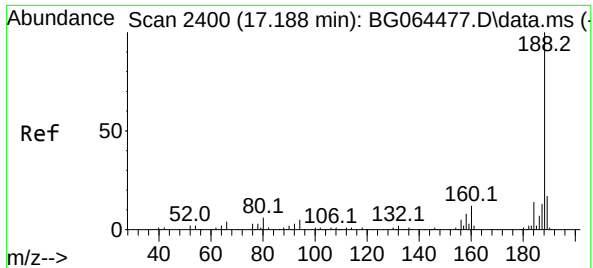
Tgt Ion:330 Resp: 131574
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.4 116.0
 141 31.9 25.8 38.6



#45
 2-Fluorobiphenyl
 Concen: 89.441 ng
 RT: 13.076 min Scan# 1700
 Delta R.T. 0.009 min
 Lab File: BG064499.D
 Acq: 14 Oct 2025 13:11

Tgt Ion:172 Resp: 297960
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 25.2 20.2 30.2

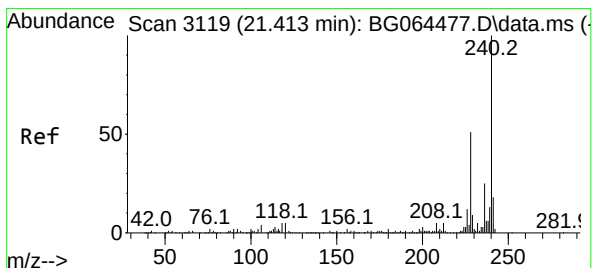
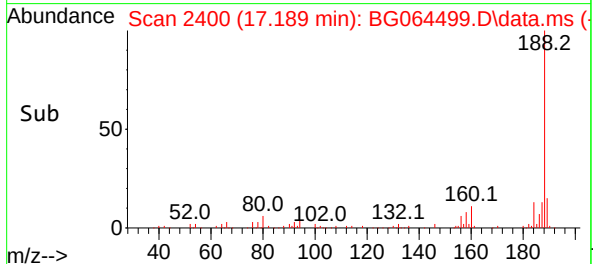
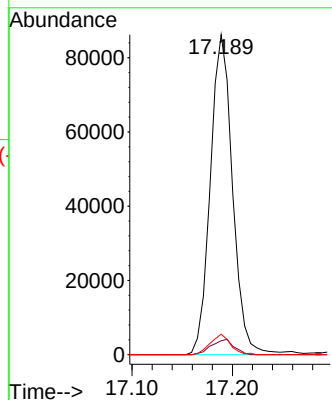
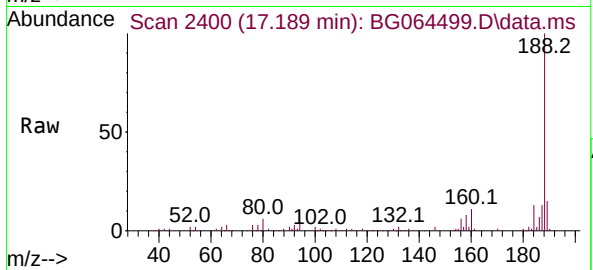




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

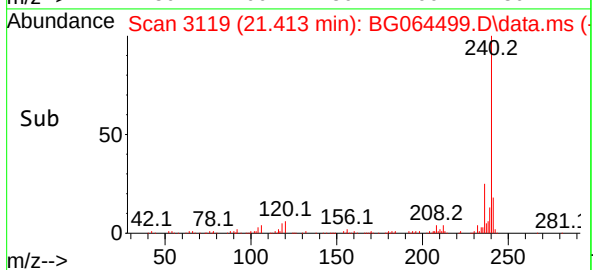
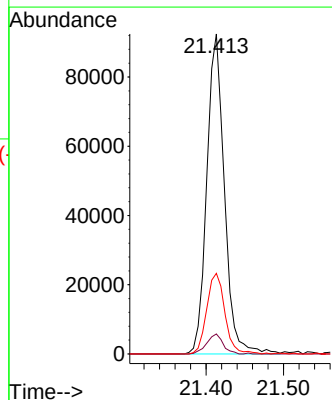
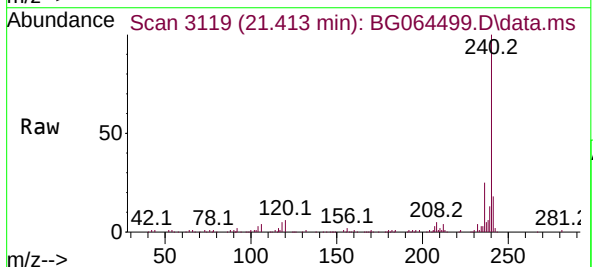
Instrument :
BNA_G
ClientSampleId :
PB170062TB

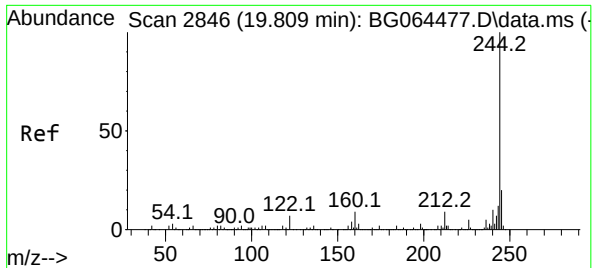
Tgt Ion:188 Resp: 132382
Ion Ratio Lower Upper
188 100
94 4.3 3.7 5.5
80 6.4 4.5 6.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

Tgt Ion:240 Resp: 145774
Ion Ratio Lower Upper
240 100
120 6.2 4.3 6.5
236 25.2 20.4 30.6





#79

Terphenyl-d14

Concen: 95.731 ng

RT: 19.809 min Scan# 2846

Delta R.T. 0.003 min

Lab File: BG064499.D

Acq: 14 Oct 2025 13:11

Instrument :

BNA_G

ClientSampleId :

PB170062TB

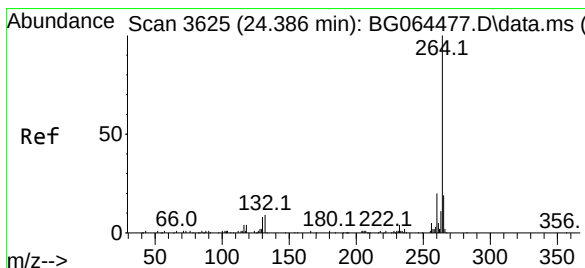
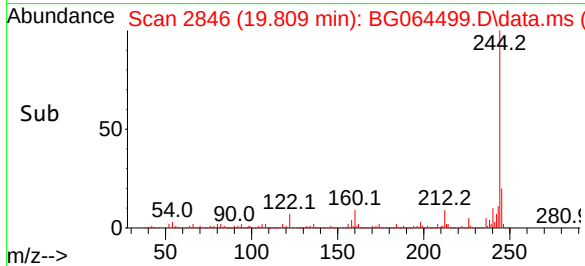
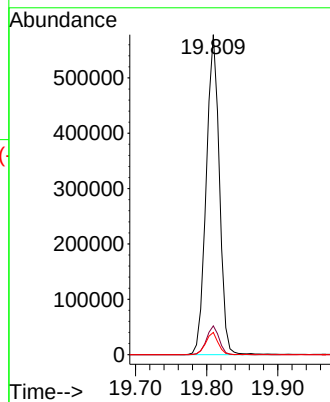
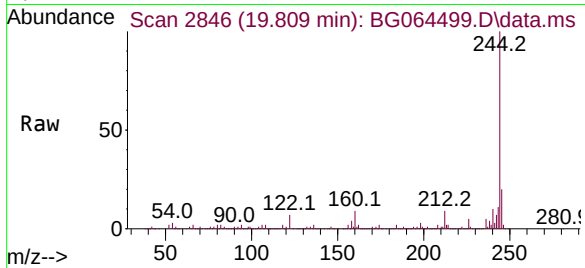
Tgt Ion:244 Resp: 737390

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

122 6.9 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.392 min Scan# 3626

Delta R.T. 0.003 min

Lab File: BG064499.D

Acq: 14 Oct 2025 13:11

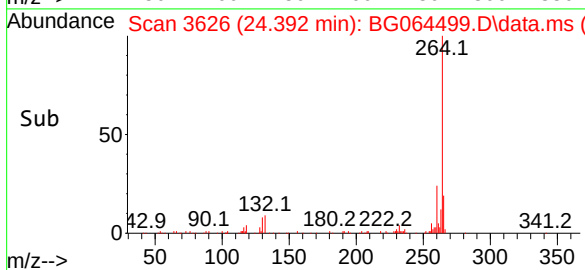
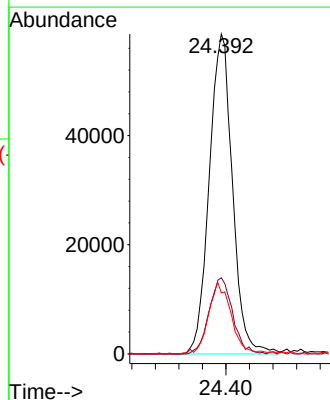
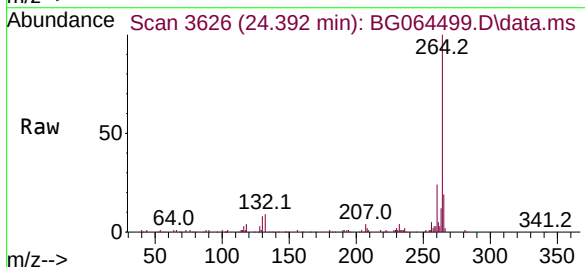
Tgt Ion:264 Resp: 160375

Ion Ratio Lower Upper

264 100

260 23.8 16.2 24.4

265 19.1 15.0 22.4



Report of Analysis

Client: Weston Solutions, Inc.
 Project: RFP 918
 Client Sample ID: P001-DS-01
 Lab Sample ID: Q3321-02
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 100 mL Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/08/25
 Date Received: 10/09/25
 SDG No.: Q3321
 Matrix: TCLP
 % Solid: 0
 Test: TCLP BNA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	12.8	U	1	12.8	50.0	ug/L	10/14/25 16:12	PB170080
106-46-7	1,4-Dichlorobenzene	5.30	U	1	5.30	50.0	ug/L	10/14/25 16:12	PB170080
95-48-7	2-Methylphenol	11.2	U	1	11.2	50.0	ug/L	10/14/25 16:12	PB170080
65794-96-9	3+4-Methylphenols	11.0	U	1	11.0	100	ug/L	10/14/25 16:12	PB170080
67-72-1	Hexachloroethane	6.50	U	1	6.50	50.0	ug/L	10/14/25 16:12	PB170080
98-95-3	Nitrobenzene	7.60	U	1	7.60	50.0	ug/L	10/14/25 16:12	PB170080
87-68-3	Hexachlorobutadiene	5.40	U	1	5.40	50.0	ug/L	10/14/25 16:12	PB170080
88-06-2	2,4,6-Trichlorophenol	5.10	U	1	5.10	50.0	ug/L	10/14/25 16:12	PB170080
95-95-4	2,4,5-Trichlorophenol	6.20	U	1	6.20	50.0	ug/L	10/14/25 16:12	PB170080
121-14-2	2,4-Dinitrotoluene	12.2	U	1	12.2	50.0	ug/L	10/14/25 16:12	PB170080
118-74-1	Hexachlorobenzene	5.20	U	1	5.20	50.0	ug/L	10/14/25 16:12	PB170080
87-86-5	Pentachlorophenol	15.8	U	1	15.8	100	ug/L	10/14/25 16:12	PB170080
SURROGATES									
367-12-4	2-Fluorophenol	157			23 - 138	104%	SPK: 150		
13127-88-3	Phenol-d6	136			10 - 134	91%	SPK: 150		
4165-60-0	Nitrobenzene-d5	108			67 - 132	108%	SPK: 100		
321-60-8	2-Fluorobiphenyl	107			52 - 132	107%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	165			44 - 137	110%	SPK: 150		
1718-51-0	Terphenyl-d14	102			42 - 152	102%	SPK: 100		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	17300							
1146-65-2	Naphthalene-d8	67600							
15067-26-2	Acenaphthene-d10	47800							
1517-22-2	Phenanthrene-d10	119000							
1719-03-5	Chrysene-d12	144000							
1520-96-3	Perylene-d12	158000							

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\BG101425\
Data File : BG064502.D
Acq On : 14 Oct 2025 16:12
Operator : RC/JU
Sample : Q3321-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-DS-01

Quant Time: Oct 14 16:54:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	17336	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	67622	20.000	ng	0.00
39) Acenaphthene-d10	14.446	164	47788	20.000	ng	0.00
64) Phenanthrene-d10	17.190	188	118948	20.000	ng	0.00
76) Chrysene-d12	21.408	240	144130	20.000	ng	0.00
86) Perylene-d12	24.387	264	157782	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.415	112	146708	156.616	ng	0.00
7) Phenol-d6	7.001	99	171559	136.286	ng	0.02
23) Nitrobenzene-d5	8.976	82	135593	107.817	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	143137	165.242	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	346389	106.842	ng	0.00
79) Terphenyl-d14	19.804	244	774254	101.663	ng	0.00

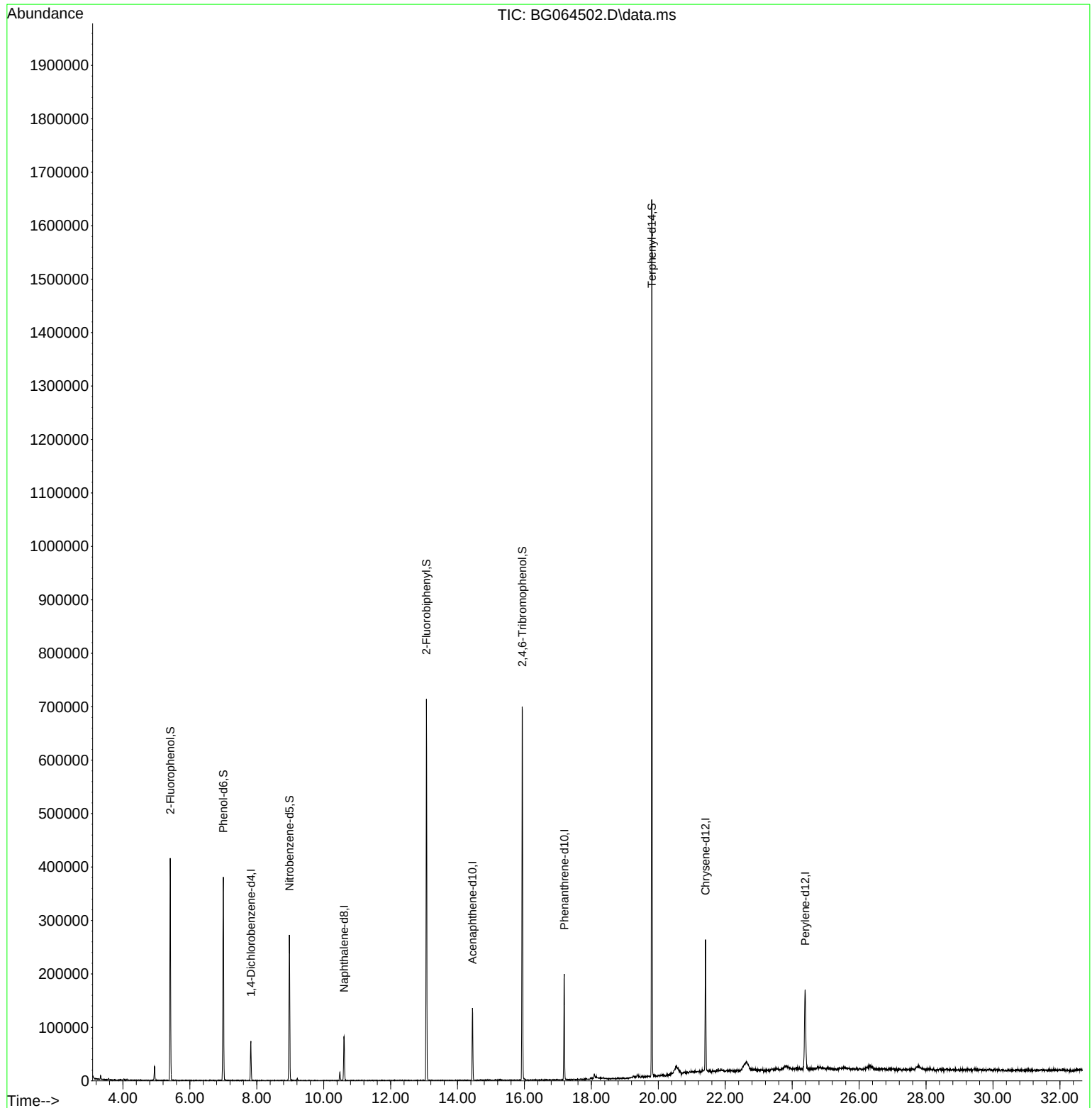
Target Compounds	Qvalue

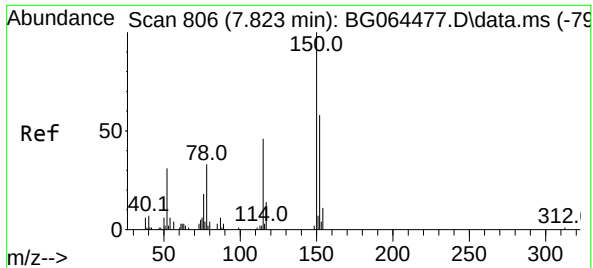
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
Data File : BG064502.D
Acq On : 14 Oct 2025 16:12
Operator : RC/JU
Sample : Q3321-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-DS-01

Quant Time: Oct 14 16:54:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

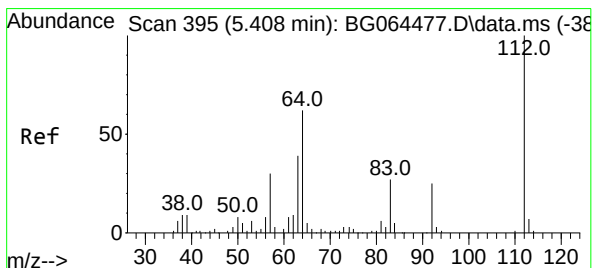
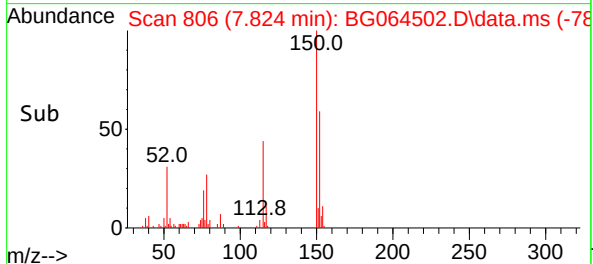
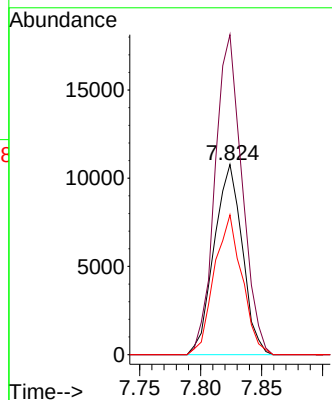
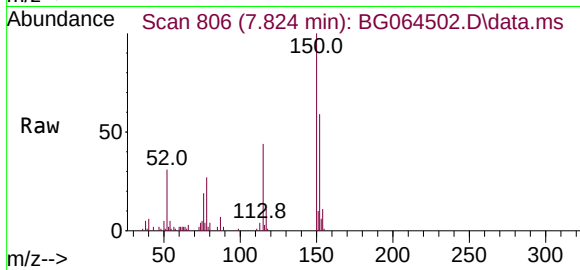




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.824 min Scan# 806
Delta R.T. 0.004 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

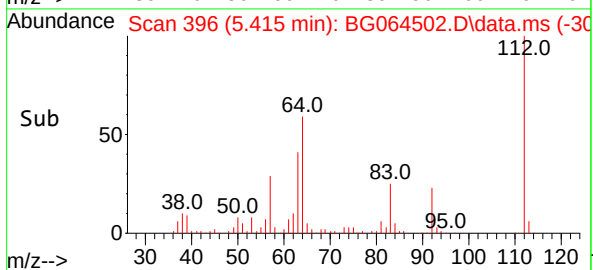
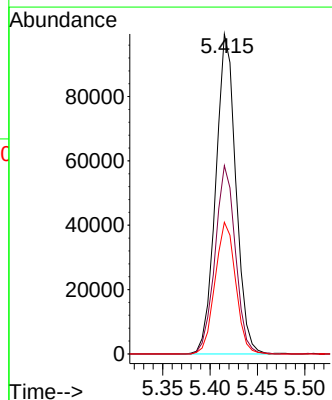
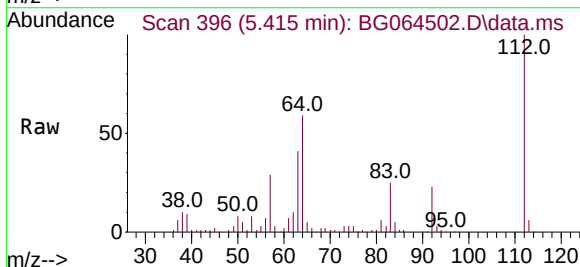
Instrument :
BNA_G
ClientSampleId :
P001-DS-01

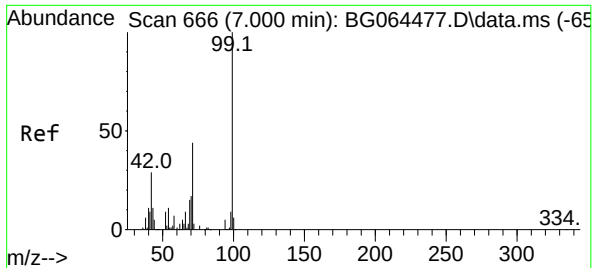
Tgt Ion	Ratio	Lower	Upper
152	100		
150	168.3	138.6	207.8
115	73.5	63.4	95.2



#5
2-Fluorophenol
Concen: 156.616 ng
RT: 5.415 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	49.8	74.8
63	41.1	31.3	46.9

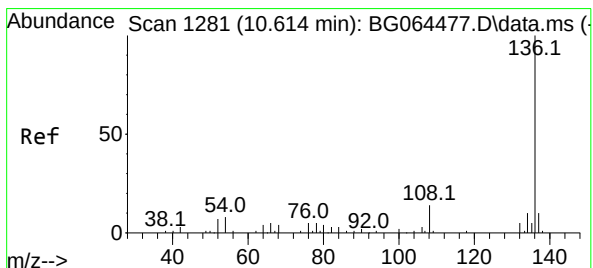
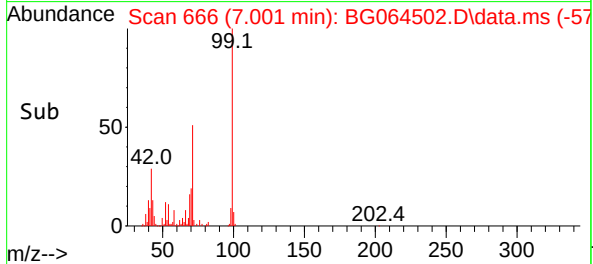
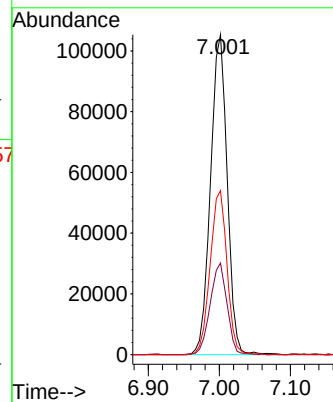
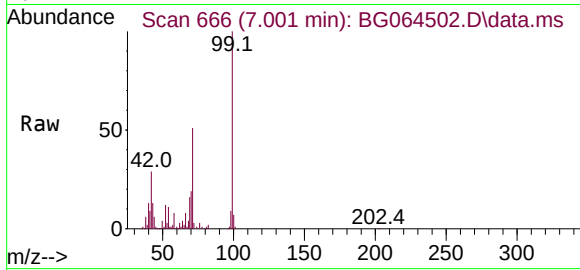




#7
Phenol-d6
Concen: 136.286 ng
RT: 7.001 min Scan# 60
Delta R.T. 0.015 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

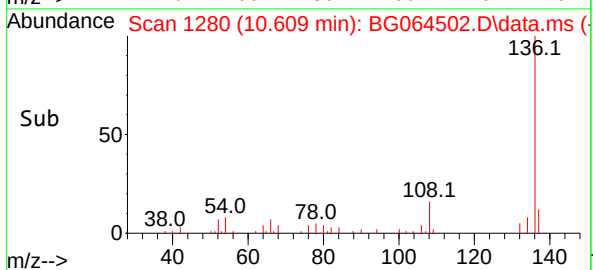
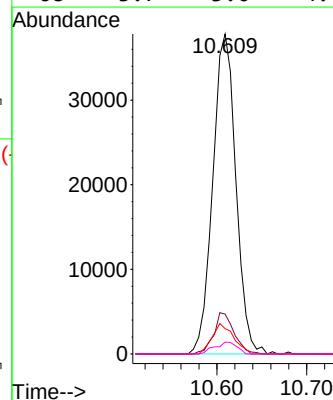
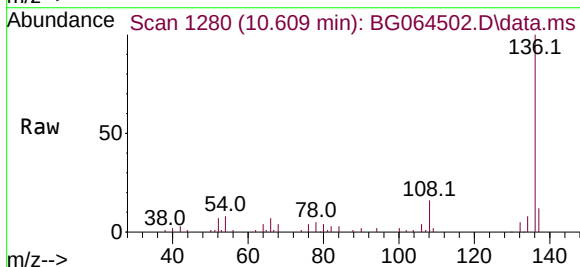
Instrument :
BNA_G
ClientSampleId :
P001-DS-01

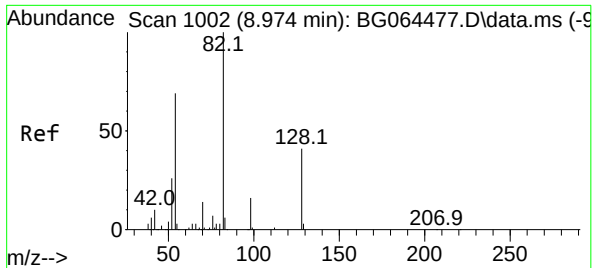
Tgt Ion: 99 Resp: 171559
Ion Ratio Lower Upper
99 100
42 28.6 22.9 34.3
71 51.3 35.4 53.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 1280
Delta R.T. 0.004 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

Tgt Ion:136 Resp: 67622
Ion Ratio Lower Upper
136 100
137 12.4 8.3 12.5
54 7.9 6.2 9.4
68 3.7 3.0 4.4





#23

Nitrobenzene-d5

Concen: 107.817 ng

RT: 8.976 min Scan# 10

Delta R.T. 0.009 min

Lab File: BG064502.D

Acq: 14 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

P001-DS-01

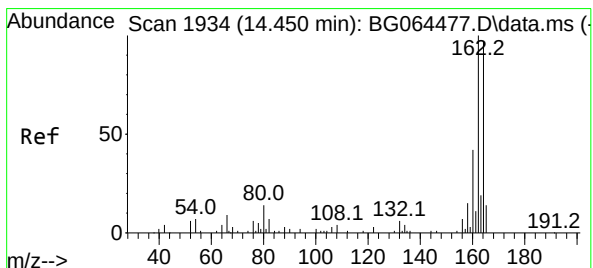
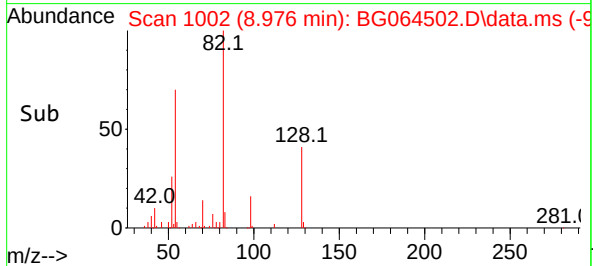
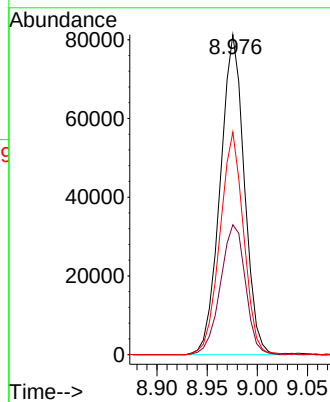
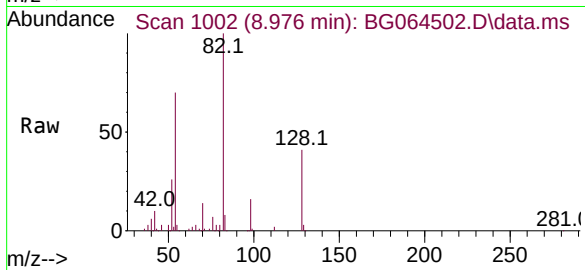
Tgt Ion: 82 Resp: 135593

Ion Ratio Lower Upper

82 100

128 40.6 33.1 49.7

54 69.5 55.4 83.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.446 min Scan# 1933

Delta R.T. -0.002 min

Lab File: BG064502.D

Acq: 14 Oct 2025 16:12

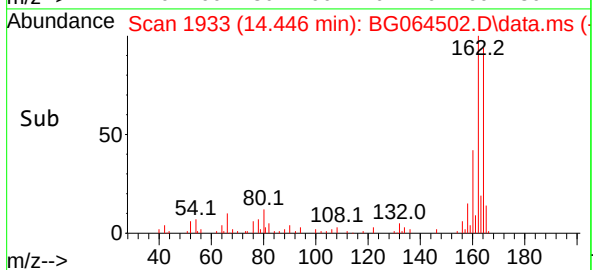
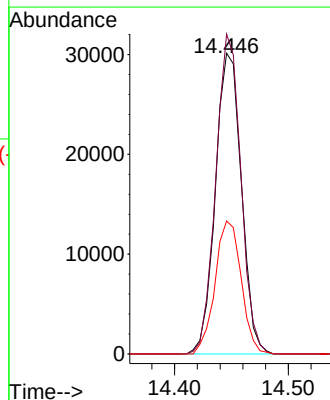
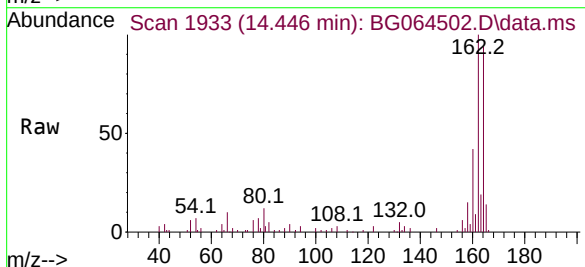
Tgt Ion: 164 Resp: 47788

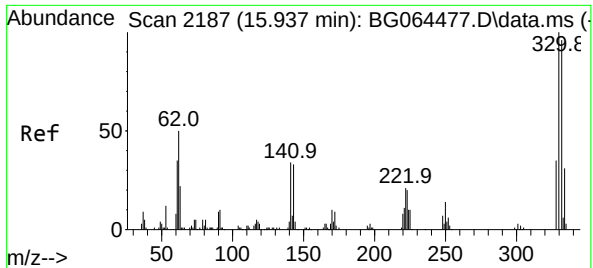
Ion Ratio Lower Upper

164 100

162 106.4 82.2 123.2

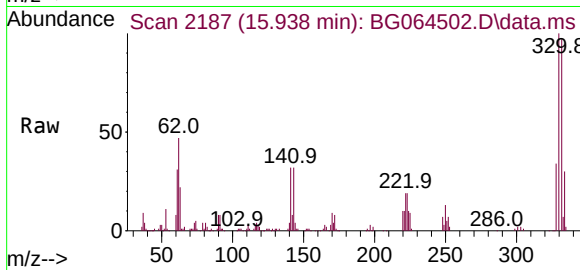
160 44.2 34.3 51.5



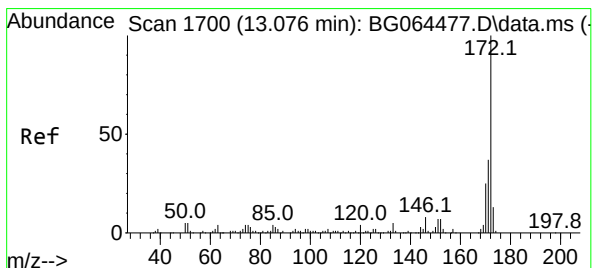
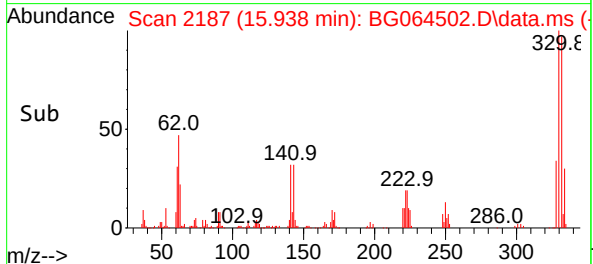
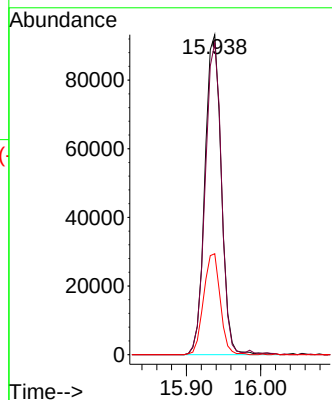


#42
2,4,6-Tribromophenol
Concen: 165.242 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.004 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

Instrument :
BNA_G
ClientSampleId :
P001-DS-01

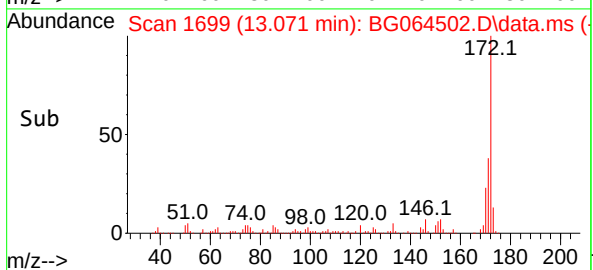
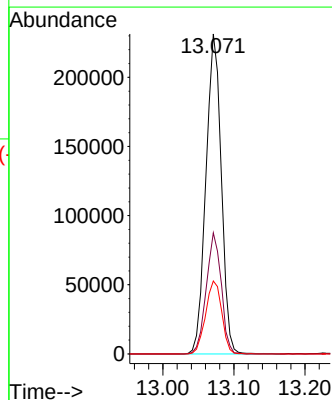
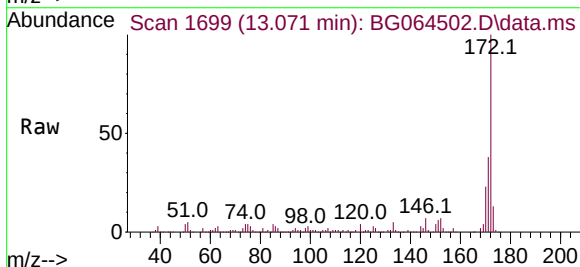


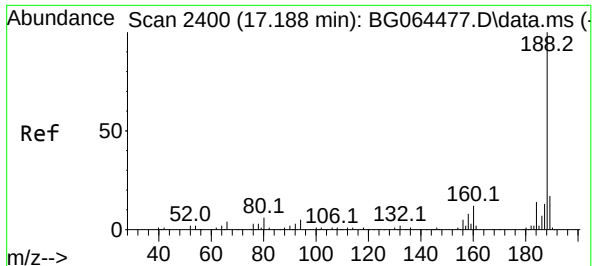
Tgt Ion:330 Resp: 143137
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 31.9 25.8 38.6



#45
2-Fluorobiphenyl
Concen: 106.842 ng
RT: 13.071 min Scan# 1699
Delta R.T. 0.004 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

Tgt Ion:172 Resp: 346389
Ion Ratio Lower Upper
172 100
171 37.8 29.6 44.4
170 22.8 20.2 30.2

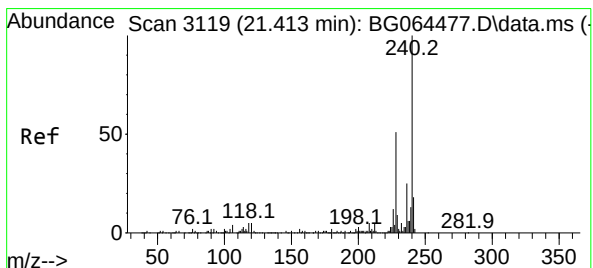
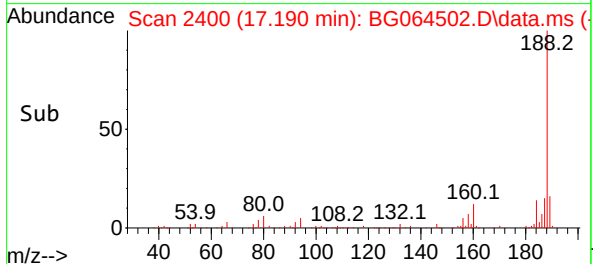
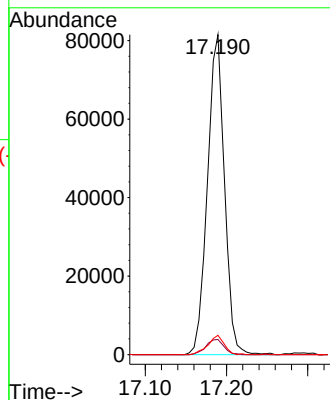
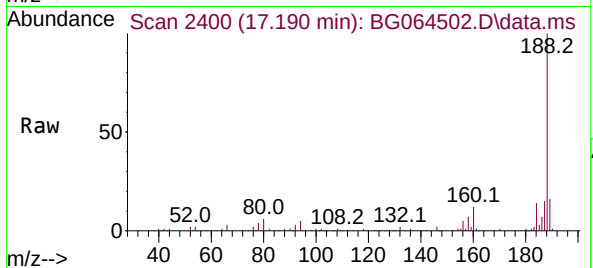




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

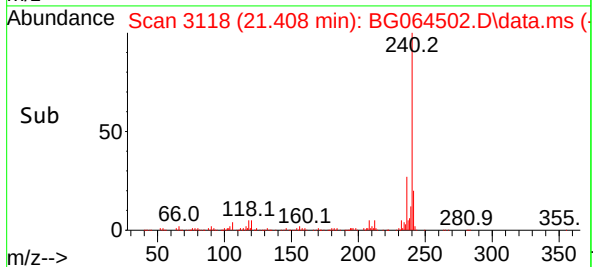
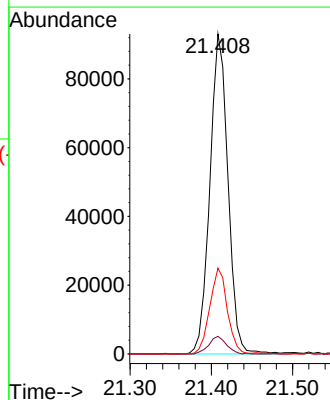
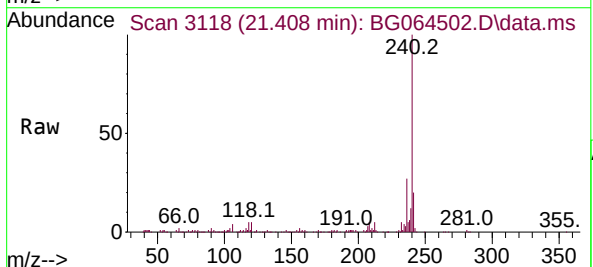
Instrument :
BNA_G
ClientSampleId :
P001-DS-01

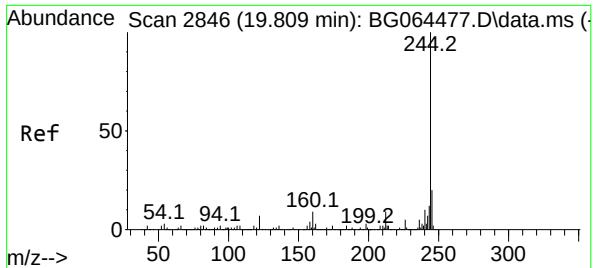
Tgt Ion:188 Resp: 118948
Ion Ratio Lower Upper
188 100
94 4.7 3.7 5.5
80 6.0 4.5 6.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.408 min Scan# 3118
Delta R.T. -0.002 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

Tgt Ion:240 Resp: 144130
Ion Ratio Lower Upper
240 100
120 5.5 4.3 6.5
236 26.8 20.4 30.6

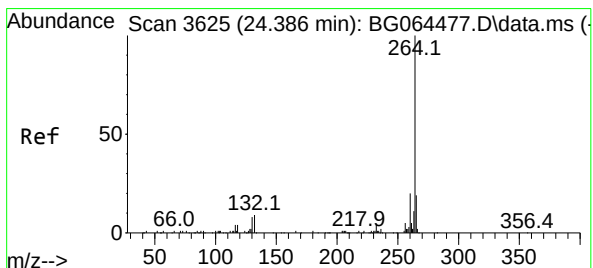
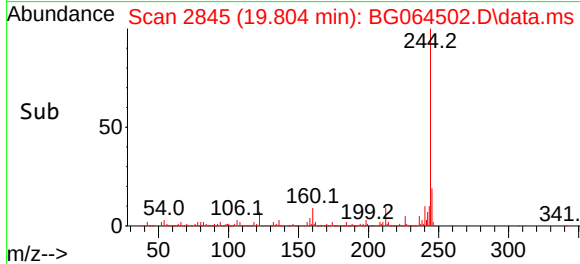
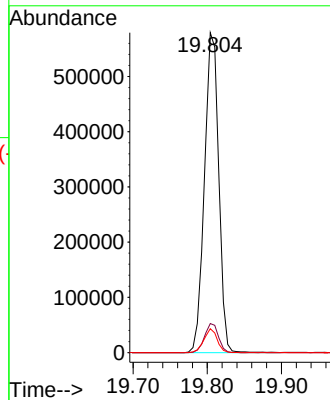
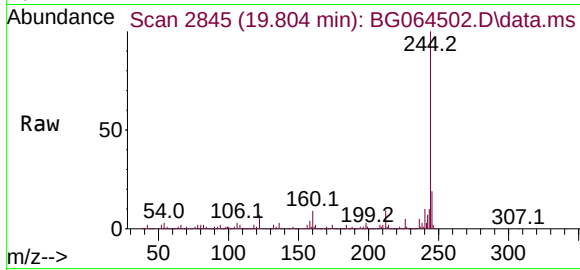




#79
 Terphenyl-d14
 Concen: 101.663 ng
 RT: 19.804 min Scan# 2846
 Delta R.T. -0.002 min
 Lab File: BG064502.D
 Acq: 14 Oct 2025 16:12

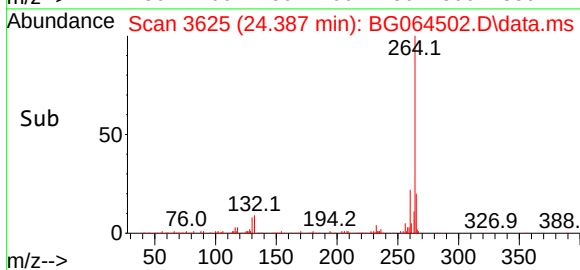
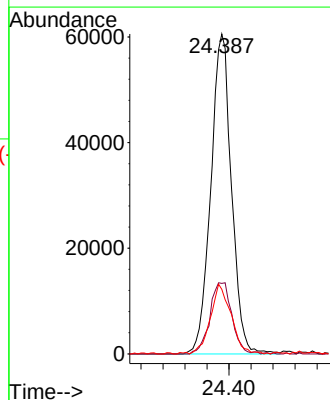
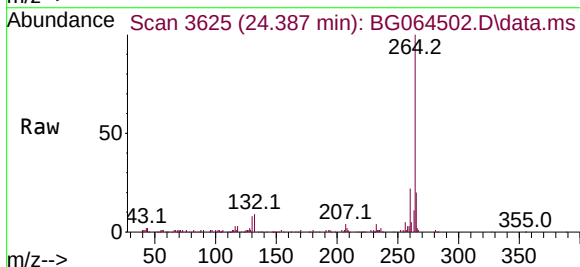
Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01

Tgt Ion:244 Resp: 774254
 Ion Ratio Lower Upper
 244 100
 212 9.1 7.0 10.6
 122 7.5 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.387 min Scan# 3625
 Delta R.T. -0.002 min
 Lab File: BG064502.D
 Acq: 14 Oct 2025 16:12

Tgt Ion:264 Resp: 157782
 Ion Ratio Lower Upper
 264 100
 260 22.0 16.2 24.4
 265 20.2 15.0 22.4





CALIBRATION SUMMARY



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: ROYF02Lab Code: ACESDG No.: Q3321Instrument ID: BNA_GCalibration Date(s): 10/02/2025 10/02/2025Calibration Time(s): 09:01 15:49

LAB FILE ID:		RRF2.5 = BG064473.D		RRF005 = BG064474.D		RRF020 = BG064476.D			
		RRF040 = BG064477.D		RRF050 = BG064478.D		RRF060 = BG064479.D			
COMPOUND	RRF2.5	RRF005	RRF020	RRF040	RRF050	RRF060	RRF	% RSD	
Pyridine		1.225	1.147	1.236	1.102	1.095	1.149	5.3	
2-Fluorophenol		1.066	1.053	1.195	1.071	1.108	1.081	5.3	
Phenol-d6		1.395	1.446	1.631	1.434	1.496	1.452	6.1	
1,4-Dichlorobenzene		1.506	1.452	1.581	1.421	1.421	1.457	4.6	
2-Methylphenol		1.105	1.087	1.215	1.076	1.143	1.109	4.8	
3+4-Methylphenols			1.510	1.700	1.492	1.622	1.548	5.9	
Nitrobenzene-d5		0.360	0.378	0.396	0.369	0.381	0.372	3.8	
Hexachloroethane		0.586	0.534	0.604	0.562	0.566	0.575	5.9	
Nitrobenzene		0.403	0.352	0.395	0.364	0.377	0.371	5.7	
Hexachlorobutadiene		0.331	0.308	0.316	0.296	0.300	0.304	4.9	
2,4,6-Trichlorophenol		0.391	0.396	0.445	0.416	0.436	0.413	5.3	
2-Fluorobiphenyl		1.355	1.346	1.434	1.325	1.389	1.357	3.1	
2,4,5-Trichlorophenol		0.451	0.430	0.486	0.465	0.473	0.461	3.9	
2,4-Dinitrotoluene		0.481	0.488	0.527	0.513	0.506	0.499	3.6	
2,4,6-Tribromophenol		0.364	0.367	0.381	0.364	0.361	0.363	2.9	
Hexachlorobenzene		0.256	0.272	0.288	0.260	0.280	0.269	4.4	
Pentachlorophenol			0.146	0.169	0.166	0.170	0.157	13.7	
Terphenyl-d14		1.067	1.069	1.123	1.030	1.044	1.057	3.6	

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG100225.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Oct 02 16:40:42 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BG064473.D 5 =BG064474.D 10 =BG064481.D 20 =BG064476.D 40 =BG064477.D 50 =BG064478.D 60 =BG064479.D 80 =BG064480.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.530	0.412	0.447	0.438	0.398	0.386	0.381	0.427	12.10	
3)	Pyridine	1.225	1.151	1.147	1.236	1.102	1.095	1.086	1.149	5.33	
4)	n-Nitrosodimet...		0.854	0.790	0.863	0.833	0.843	0.814	0.833	3.24	
5) S	2-Fluorophenol	1.066	1.018	1.053	1.195	1.071	1.108	1.053	1.081	5.26	
6)	Aniline	1.913	1.738	1.827	2.020	1.772	1.823	1.729	1.832	5.68	
7) S	Phenol-d6	1.395	1.373	1.446	1.631	1.434	1.496	1.391	1.452	6.12	
8)	2-Chlorophenol	1.387	1.264	1.312	1.455	1.264	1.336	1.271	1.327	5.45	
9)	Benzaldehyde		1.437	1.039	1.527	1.146	1.548	1.037	1.289	18.76	
10) C	Phenol	1.518	1.397	1.530	1.683	1.517	1.583	1.496	1.532	5.68	
11)	bis(2-Chloroet...	1.117	0.953	1.002	1.134	1.000	1.064	0.992	1.038	6.61	
12)	1,3-Dichlorobe...	1.558	1.459	1.396	1.582	1.385	1.418	1.363	1.452	5.97	
13) C	1,4-Dichlorobe...	1.506	1.435	1.452	1.581	1.421	1.421	1.383	1.457	4.57	
14)	1,2-Dichlorobe...	1.583	1.389	1.434	1.533	1.377	1.399	1.335	1.436	6.24	
15)	Benzyl Alcohol		1.224	1.300	1.447	1.342	1.399	1.312	1.337	5.87	
16)	2,2'-oxybis(1-...	1.720	1.610	1.657	1.804	1.650	1.708	1.558	1.672	4.80	
17)	2-Methylphenol	1.105	1.063	1.087	1.215	1.076	1.143	1.077	1.109	4.81	
18)	Hexachloroethane	0.586	0.630	0.534	0.604	0.562	0.566	0.544	0.575	5.87	
19) P	n-Nitroso-di-n...	0.813	1.008	0.913	1.006	1.096	0.959	1.048	0.926	0.971	9.10
20)	3+4-Methylphenols		1.472	1.510	1.700	1.492	1.622	1.494	1.548	5.91	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.476	0.450	0.477	0.516	0.491	0.495	0.486	0.484	4.21	
23) S	Nitrobenzene-d5	0.360	0.352	0.378	0.396	0.369	0.381	0.369	0.372	3.84	
24)	Nitrobenzene	0.403	0.348	0.352	0.395	0.364	0.377	0.358	0.371	5.73	
25)	Isophorone	0.672	0.654	0.674	0.721	0.660	0.686	0.650	0.674	3.59	
26) C	2-Nitrophenol	0.197	0.169	0.181	0.192	0.185	0.188	0.181	0.185	4.93	
27)	2,4-Dimethylph...	0.277	0.257	0.279	0.299	0.285	0.298	0.281	0.282	4.97	
28)	bis(2-Chloroet...	0.320	0.320	0.361	0.375	0.336	0.352	0.341	0.343	5.92	
29) C	2,4-Dichloroph...	0.323	0.305	0.321	0.343	0.322	0.336	0.332	0.326	3.78	
30)	1,2,4-Trichlor...	0.383	0.333	0.360	0.377	0.339	0.349	0.347	0.356	5.27	
31)	Naphthalene	1.062	0.980	1.013	1.107	0.995	1.041	1.011	1.030	4.26	
32)	Benzoic acid		0.149	0.198	0.230	0.240	0.239	0.243	0.216	17.02	
33)	4-Chloroaniline	0.392	0.398	0.373	0.417	0.388	0.406	0.392	0.395	3.53	
34) C	Hexachlorobuta...	0.331	0.289	0.308	0.316	0.296	0.300	0.291	0.304	4.94	
35)	Caprolactam		0.108	0.120	0.115	0.111	0.110	0.107	0.112	4.36	
36) C	4-Chloro-3-met...	0.395	0.381	0.392	0.418	0.390	0.405	0.395	0.397	3.01	
37)	2-Methylnaphth...	0.783	0.771	0.790	0.843	0.778	0.799	0.770	0.791	3.18	
38)	1-Methylnaphth...	0.837	0.782	0.782	0.825	0.750	0.784	0.758	0.788	4.08	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG100225.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.622	0.604	0.622	0.708	0.640	0.678	0.646	0.646	5.60
41) P	Hexachlorocycl...	0.279	0.296	0.363	0.356	0.378	0.356	0.338		11.95
42) S	2,4,6-Tribromo...	0.364	0.352	0.367	0.381	0.364	0.361	0.349	0.363	2.89
43) C	2,4,6-Trichlor...	0.391	0.390	0.396	0.445	0.416	0.436	0.414	0.413	5.30
44)	2,4,5-Trichlor...	0.451	0.452	0.430	0.486	0.465	0.473	0.470	0.461	3.93
45) S	2-Fluorobiphenyl	1.355	1.338	1.346	1.434	1.325	1.389	1.310	1.357	3.11
46)	1,1'-Biphenyl	1.439	1.388	1.417	1.521	1.434	1.484	1.387	1.438	3.42
47)	2-Chloronaphth...	1.006	1.104	1.046	1.153	1.056	1.106	1.046	1.074	4.61
48)	2-Nitroaniline	0.301	0.362	0.371	0.397	0.386	0.385	0.365	0.367	8.60
49)	Acenaphthylene	1.591	1.534	1.573	1.704	1.574	1.638	1.546	1.594	3.68
50)	Dimethylphthalate	1.564	1.584	1.582	1.624	1.531	1.586	1.493	1.566	2.72
51)	2,6-Dinitrotol...	0.292	0.326	0.335	0.337	0.333	0.345	0.316	0.326	5.43
52) C	Acenaphthene	1.108	1.099	1.086	1.159	1.106	1.138	1.058	1.108	2.98
53)	3-Nitroaniline	0.279	0.294	0.300	0.319	0.315	0.303	0.296	0.301	4.50
54) P	2,4-Dinitrophenol	0.265	0.270	0.207	0.228	0.229	0.220	0.237		10.76
55)	Dibenzofuran	1.837	1.810	1.800	1.909	1.821	1.872	1.753	1.829	2.77
56) P	4-Nitrophenol	0.192	0.227	0.260	0.256	0.253	0.232	0.237		10.85
57)	2,4-Dinitrotol...	0.481	0.499	0.488	0.527	0.513	0.506	0.477	0.499	3.60
58)	Fluorene	1.518	1.511	1.535	1.601	1.488	1.532	1.458	1.520	2.91
59)	2,3,4,6-Tetrac...	0.438	0.447	0.475	0.505	0.475	0.494	0.457	0.470	5.16
60)	Diethylphthalate	1.747	1.692	1.679	1.730	1.675	1.663	1.578	1.680	3.25
61)	4-Chlorophenyl...	0.866	0.809	0.839	0.868	0.817	0.819	0.794	0.830	3.42
62)	4-Nitroaniline	0.229	0.296	0.331	0.334	0.345	0.340	0.320	0.314	12.96
63)	Azobenzene	1.339	1.299	1.325	1.346	1.295	1.289	1.216	1.301	3.37
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.125	0.139	0.145	0.138	0.145	0.144	0.139		5.58
66) c	n-Nitrosodiphe...	0.540	0.519	0.534	0.569	0.508	0.541	0.529	0.534	3.62
67)	4-Bromophenyl-...	0.235	0.229	0.227	0.253	0.224	0.237	0.241	0.235	4.21
68)	Hexachlorobenzene	0.256	0.261	0.272	0.288	0.260	0.280	0.270	0.269	4.36
69)	Atrazine	0.237	0.240	0.247	0.250	0.232	0.239	0.219	0.238	4.26
70) C	Pentachlorophenol	0.118	0.146	0.169	0.166	0.170	0.175	0.157		13.66
71)	Phenanthrene	1.072	1.022	1.055	1.111	1.002	1.050	1.010	1.046	3.65
72)	Anthracene	1.045	1.028	1.044	1.130	1.001	1.068	1.029	1.049	3.93
73)	Carbazole	0.883	0.895	0.904	0.987	0.877	0.921	0.880	0.907	4.24
74)	Di-n-butylphth...	1.096	1.079	1.105	1.189	1.076	1.131	1.076	1.107	3.71
75) C	Fluoranthene	1.269	1.226	1.272	1.330	1.192	1.253	1.204	1.250	3.77
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.393	0.424	0.649	0.540	0.621	0.359	0.498		24.67
78)	Pyrene	1.295	1.329	1.316	1.392	1.242	1.281	1.230	1.298	4.24
79) S	Terphenyl-d14	1.067	1.061	1.069	1.123	1.030	1.044	1.003	1.057	3.55
80)	Butylbenzylphth...	0.437	0.438	0.464	0.497	0.447	0.479	0.458	0.460	4.78
81)	Benzo(a)anthra...	1.280	1.239	1.285	1.353	1.238	1.291	1.253	1.277	3.15
82)	3,3'-Dichlorob...	0.418	0.431	0.458	0.423	0.443	0.420	0.432		3.58
83)	Chrysene	1.226	1.200	1.195	1.297	1.173	1.210	1.178	1.211	3.48
84)	Bis(2-ethylhex...	0.605	0.637	0.640	0.692	0.641	0.670	0.658	0.649	4.26
85) c	Di-n-octyl pht...	1.055	1.050	1.153	1.073	1.125	1.089	1.091		3.74

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.368	1.320	1.378	1.493	1.387	1.431	1.368	1.392	3.98
88)	Benzo(b)fluora...	1.077	1.084	1.171	1.212	1.142	1.169	1.109	1.138	4.40
89)	Benzo(k)fluora...	1.139	1.082	1.145	1.233	1.123	1.156	1.142	1.146	3.97
90) C	Benzo(a)pyrene	1.017	0.999	1.059	1.122	1.031	1.075	1.037	1.049	3.91
91)	Dibenzo(a,h)an...	1.047	1.053	1.121	1.190	1.115	1.151	1.116	1.113	4.55
92)	Benzo(g,h,i)pe...	1.059	1.053	1.088	1.153	1.069	1.104	1.048	1.082	3.41

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064473.D
 Acq On : 2 Oct 2025 9:01
 Operator : RC/JU
 Sample : SSTDICC2.5
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC2.5

Quant Time: Oct 02 16:52:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

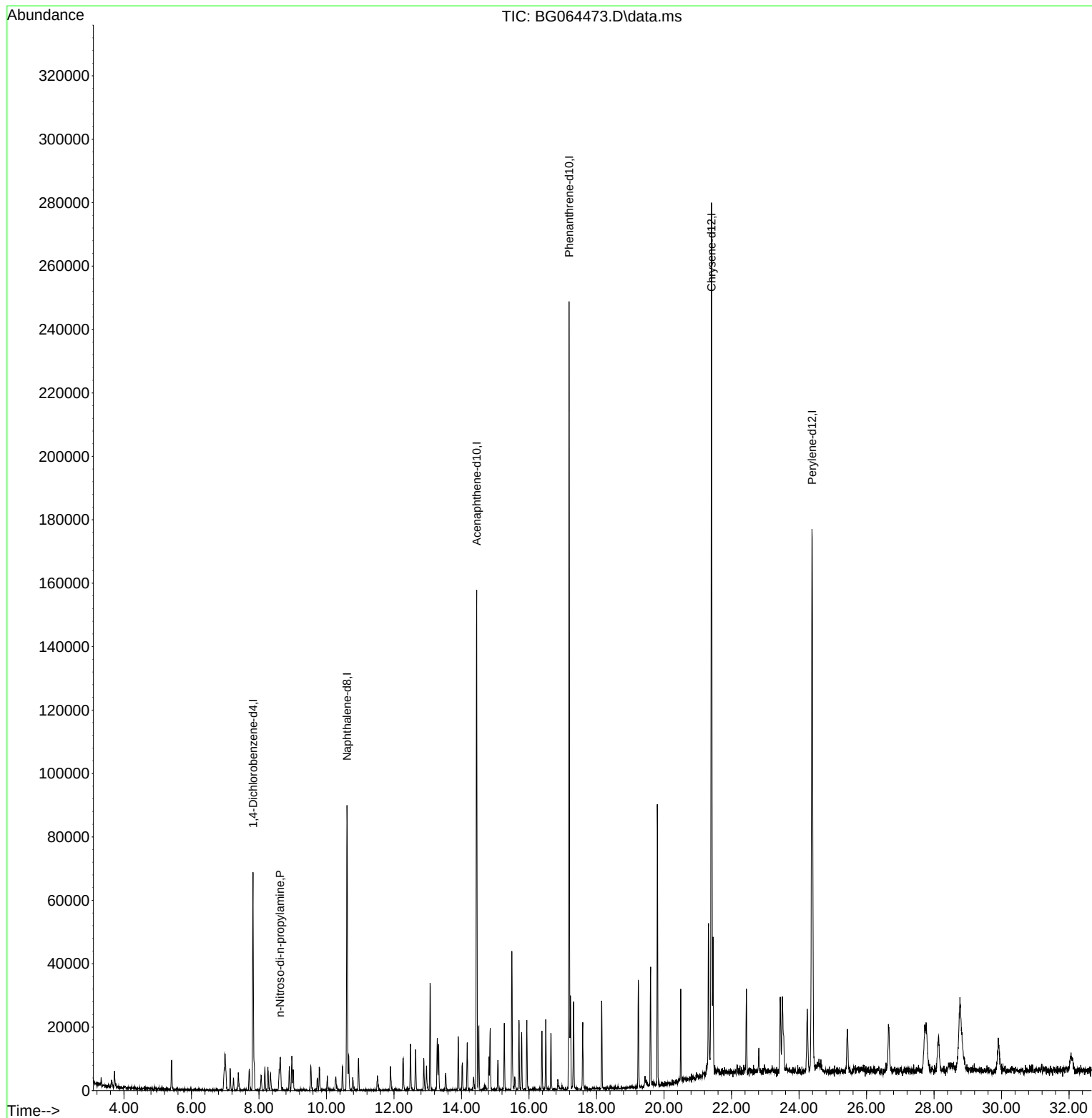
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	17107	20.000	ng	0.00
21) Naphthalene-d8	10.608	136	71471	20.000	ng	0.00
39) Acenaphthene-d10	14.450	164	55395	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	147655	20.000	ng	0.00
76) Chrysene-d12	21.407	240	159672	20.000	ng	0.00
86) Perylene-d12	24.386	264	165966	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.622	70	1739	2.093	ng	# 83

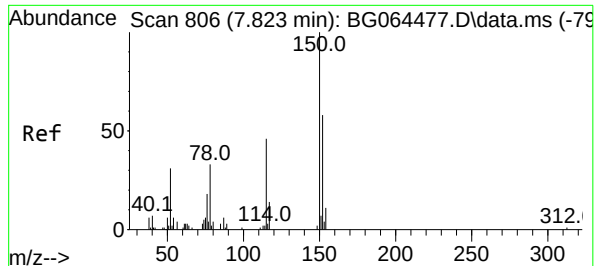
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064473.D
Acq On : 2 Oct 2025 9:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

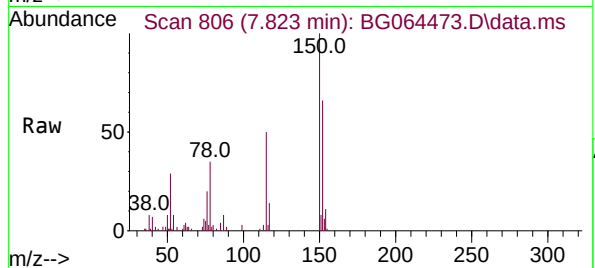
Quant Time: Oct 02 16:52:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



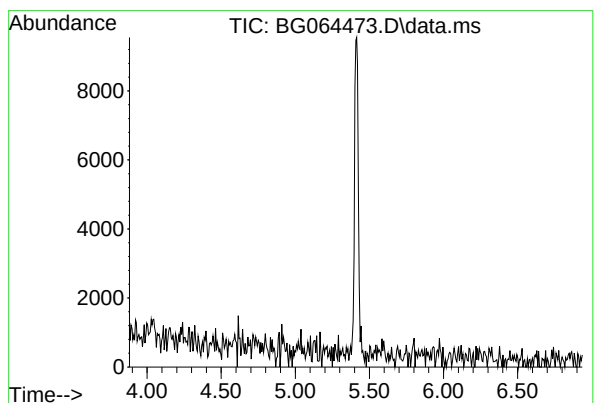
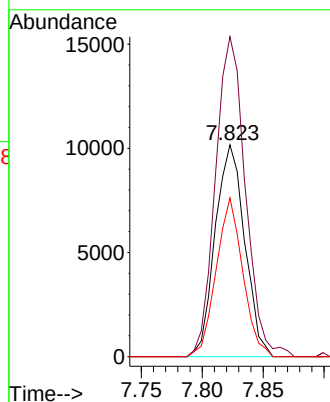
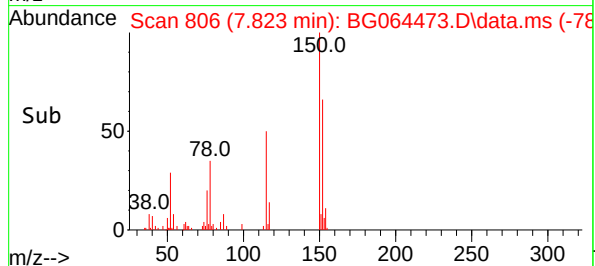


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5



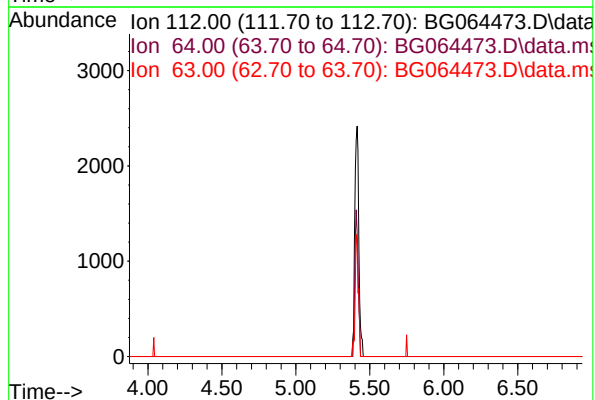
Tgt Ion	Resp	Lower	Upper
152	100		
150	151.1	138.6	207.8
115	75.0	63.4	95.2



#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

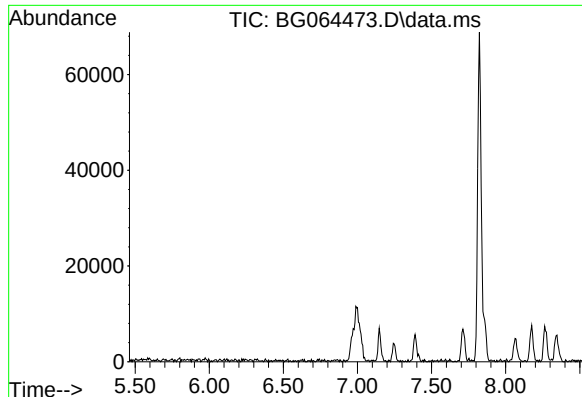
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Tgt Ion	Sig	Exp Ratio
112	100	
64	62.3	
63	39.1	



Ion 64.00 (63.70 to 64.70): BG064473.D\data.ms

Ion 63.00 (62.70 to 63.70): BG064473.D\data.ms



#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.99 min

Lab File: BG064473.D

Acq: 2 Oct 2025 9:01

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5

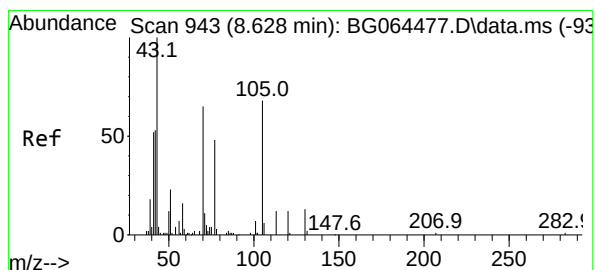
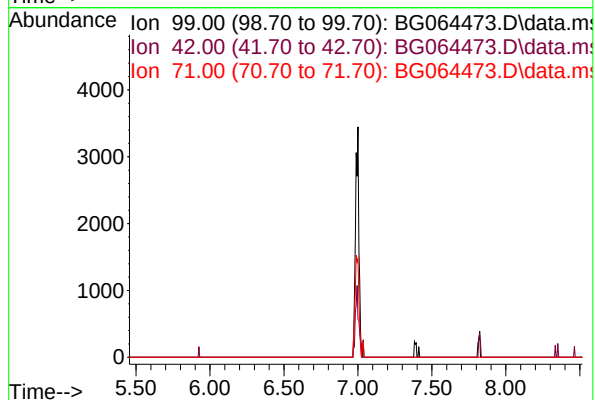
Tgt Ion: 99

Sig Exp Ratio

99 100

42 28.6

71 44.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.093 ng

RT: 8.622 min Scan# 942

Delta R.T. 0.008 min

Lab File: BG064473.D

Acq: 2 Oct 2025 9:01

Tgt Ion: 70 Resp: 1739

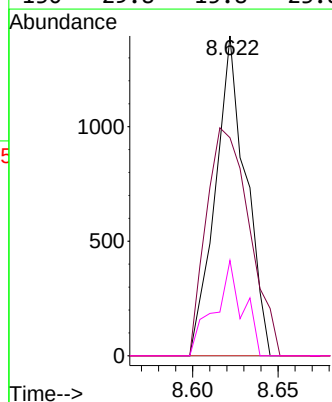
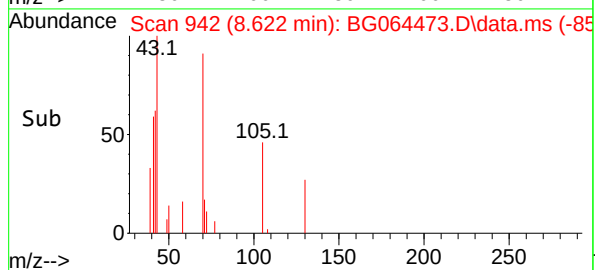
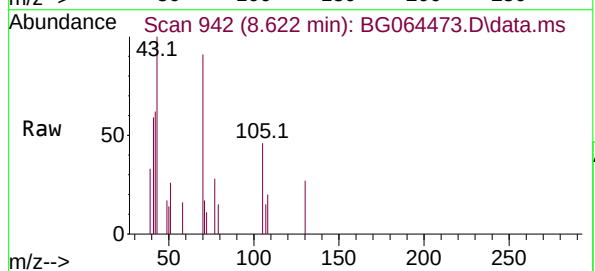
Ion Ratio Lower Upper

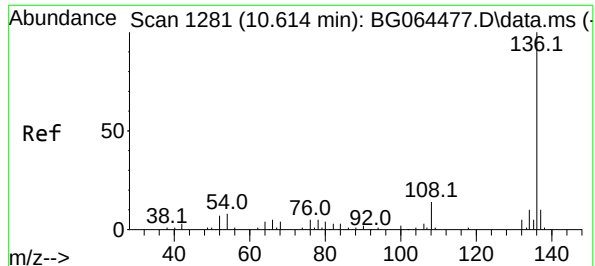
70 100

42 68.2 64.9 97.3

101 0.0 8.7 13.1#

130 29.8 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.608 min Scan# 11

Delta R.T. 0.002 min

Lab File: BG064473.D

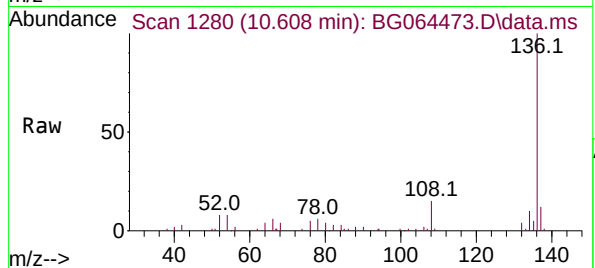
Acq: 2 Oct 2025 9:01

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 71471

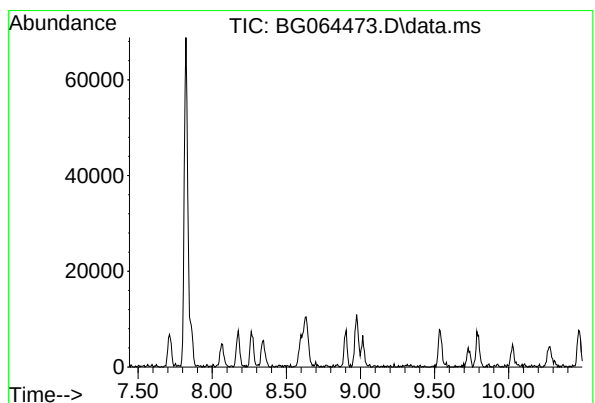
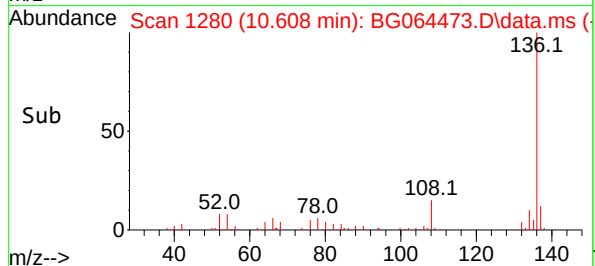
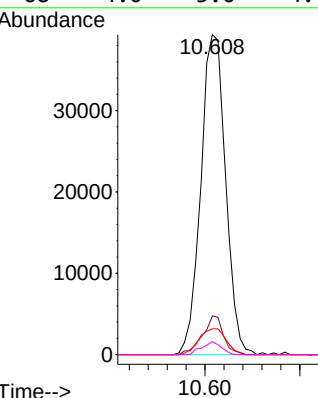
Ion Ratio Lower Upper

136 100

137 12.1 8.3 12.5

54 8.1 6.2 9.4

68 4.0 3.0 4.4



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 8.97 min

Lab File: BG064473.D

Acq: 2 Oct 2025 9:01

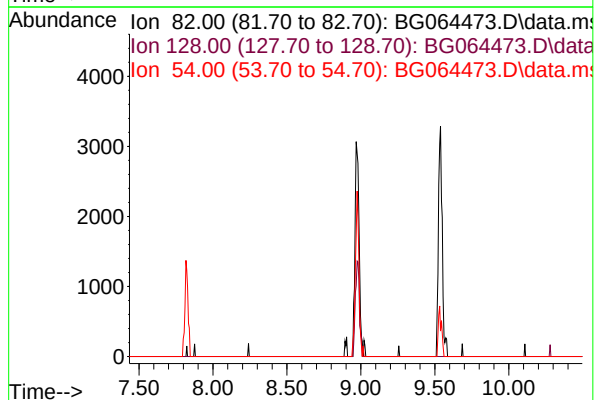
Tgt Ion: 82

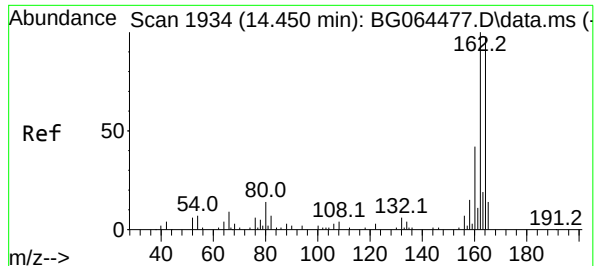
Sig Exp Ratio

82 100

128 41.4

54 69.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.450 min Scan# 19

Delta R.T. 0.002 min

Lab File: BG064473.D

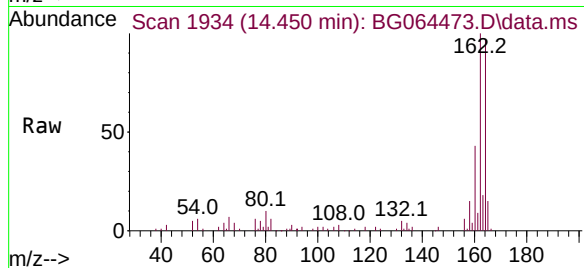
Acq: 2 Oct 2025 9:01

Instrument :

BNA_G

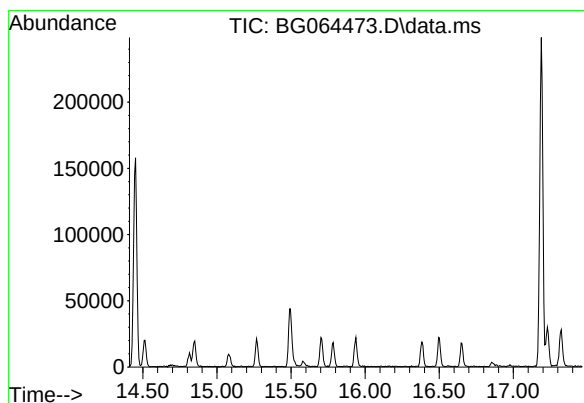
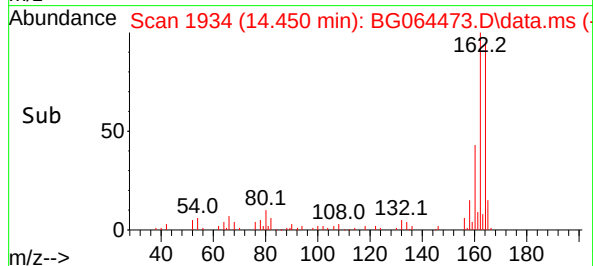
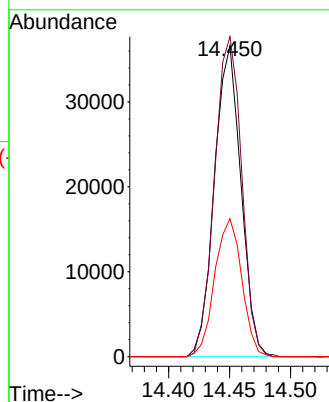
ClientSampleId :

SSTDICC2.5



Tgt Ion:164 Resp: 55395

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.2
160	44.4	34.3	51.5



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

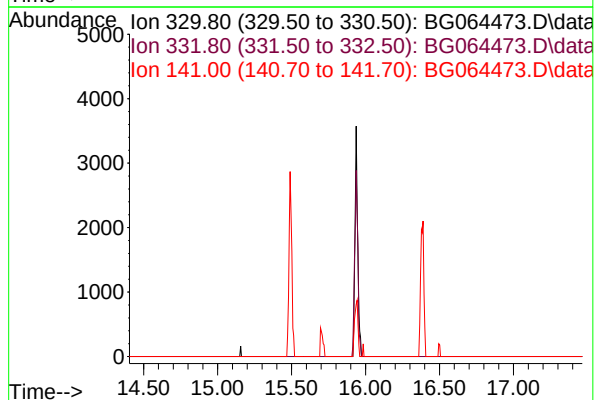
Expected RT: 15.93 min

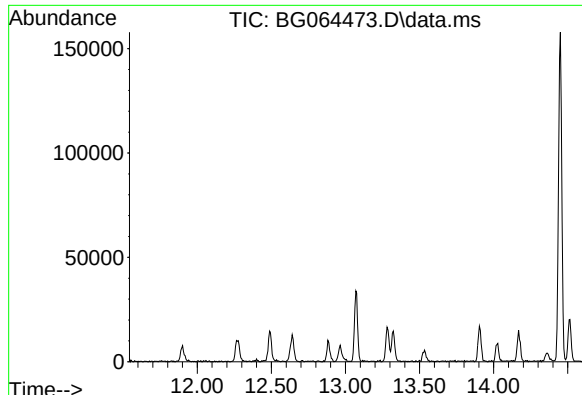
Lab File: BG064473.D

Acq: 2 Oct 2025 9:01

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.7
141	32.2

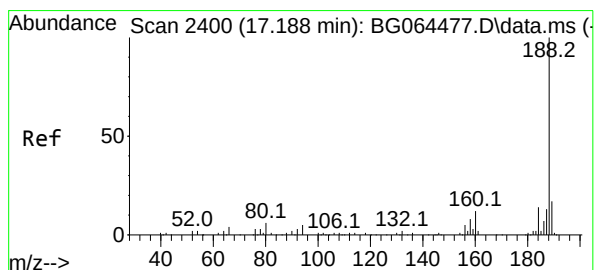
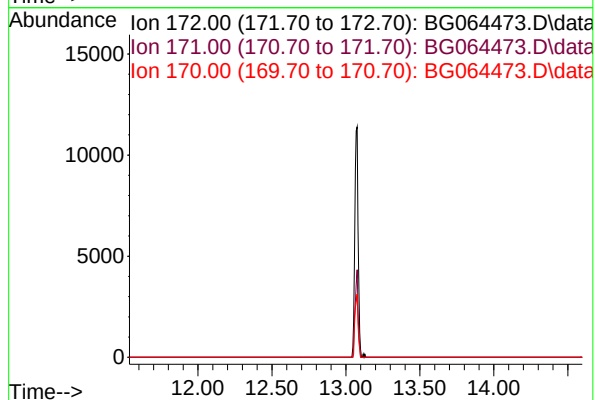




#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.07 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

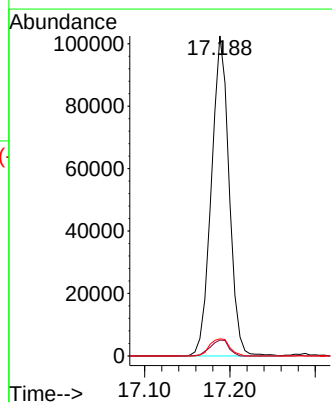
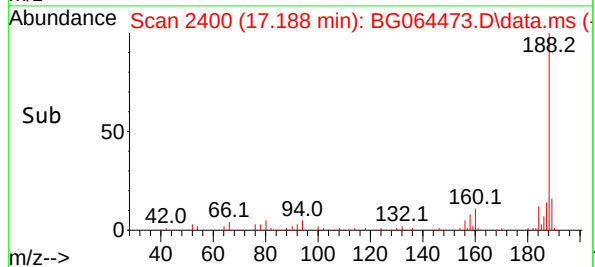
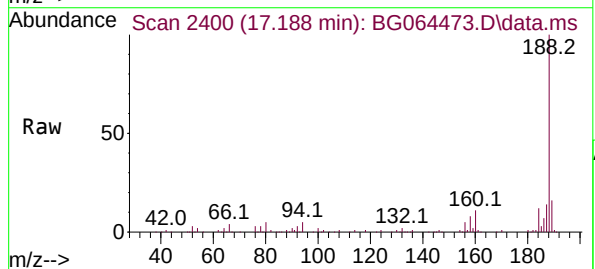
Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

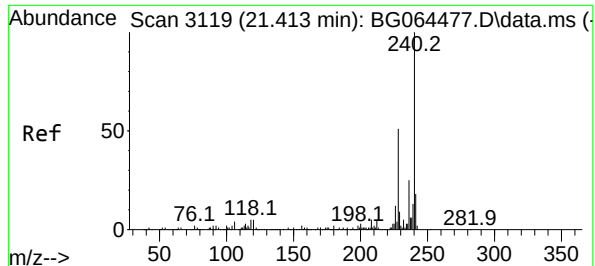
Tgt Ion: 172
Sig Exp Ratio
172 100
171 37.0
170 25.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 2400
Delta R.T. 0.002 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Tgt Ion: 188 Resp: 147655
Ion Ratio Lower Upper
188 100
94 4.9 3.7 5.5
80 5.3 4.5 6.7

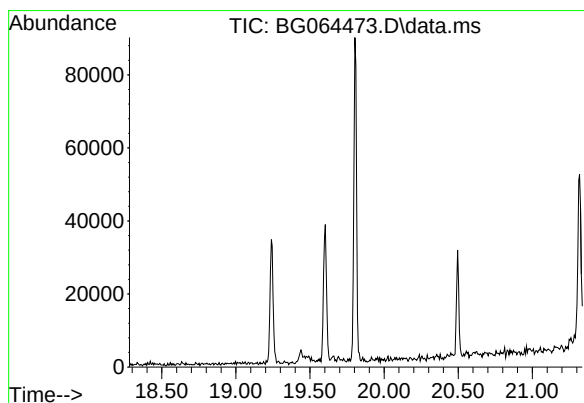
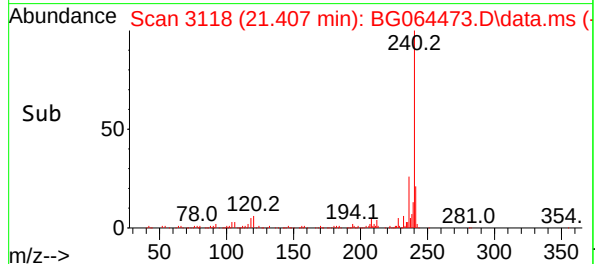
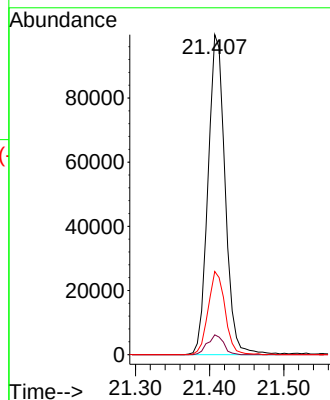
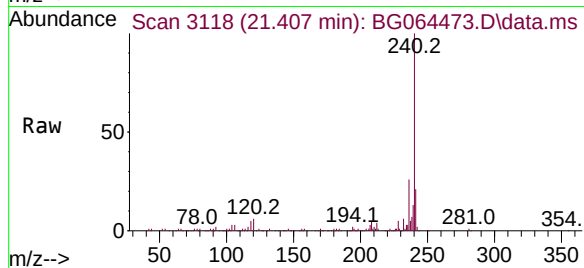




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.407 min Scan# 3119
Delta R.T. -0.003 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

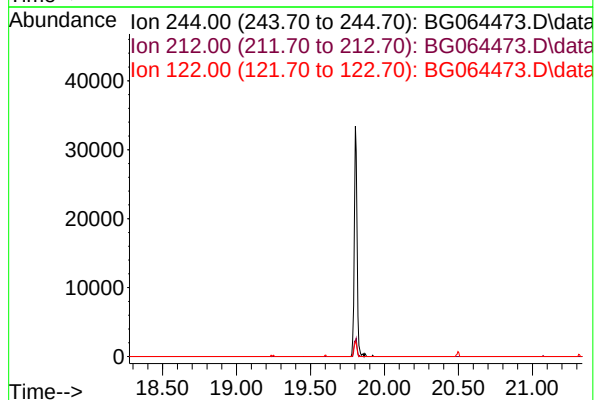
Tgt Ion:240 Resp: 159672
Ion Ratio Lower Upper
240 100
120 6.2 4.3 6.5
236 26.0 20.4 30.6



#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.81 min

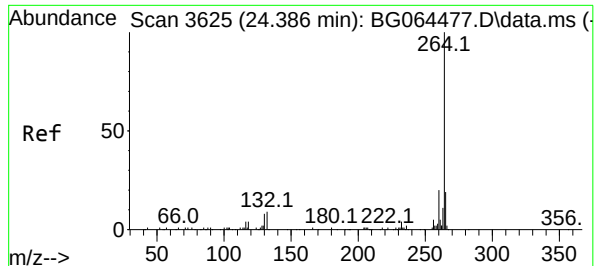
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Tgt Ion: 244
Sig Exp Ratio
244 100
212 8.8
122 7.0



Ion 212.00 (211.70 to 212.70): BG064473.D\data.ms

Ion 122.00 (121.70 to 122.70): BG064473.D\data.ms



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.386 min Scan# 3625

Delta R.T. -0.004 min

Lab File: BG064473.D

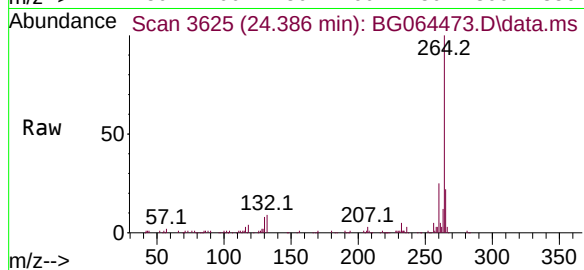
Acq: 2 Oct 2025 9:01

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5



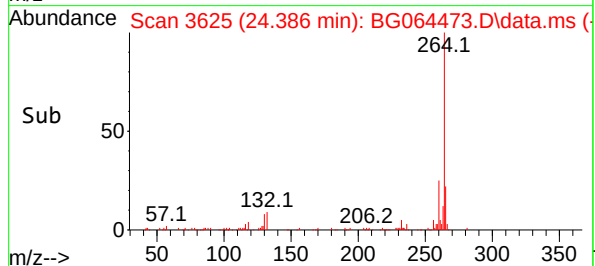
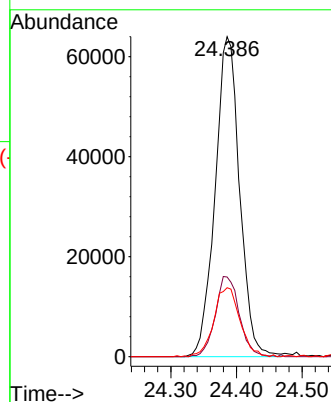
Tgt Ion:264 Resp: 165966

Ion	Ratio	Lower	Upper

264	100		

260	24.9	16.2	24.4#

265	21.5	15.0	22.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064474.D
 Acq On : 2 Oct 2025 9:42
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 16:52:25 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	17301	20.000	ng	0.00
21) Naphthalene-d8	10.608	136	74573	20.000	ng	# 0.00
39) Acenaphthene-d10	14.450	164	60732	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	155342	20.000	ng	0.00
76) Chrysene-d12	21.407	240	162684	20.000	ng	0.00
86) Perylene-d12	24.380	264	169977	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	9220	9.863	ng	0.00
7) Phenol-d6	6.994	99	12069	9.607	ng	0.00
23) Nitrobenzene-d5	8.974	82	13416	9.673	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	11056	10.043	ng	0.00
45) 2-Fluorobiphenyl	13.070	172	41153	9.988	ng	0.00
79) Terphenyl-d14	19.803	244	86764	10.093	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	2293	6.201	ng	# 92
3) Pyridine	3.716	79	5300	5.333	ng	93
6) Aniline	7.153	93	8273	5.221	ng	90
8) 2-Chlorophenol	7.394	128	6000	5.227	ng	85
10) Phenol	7.024	94	6564	4.953	ng	89
11) bis(2-Chloroethyl)ether	7.241	93	4832	5.384	ng	84
12) 1,3-Dichlorobenzene	7.717	146	6740	5.367	ng	95
13) 1,4-Dichlorobenzene	7.858	146	6514	5.169	ng	90
14) 1,2-Dichlorobenzene	8.169	146	6846	5.512	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.340	45	7441	5.144	ng	89
17) 2-Methylphenol	8.263	107	4780	4.981	ng	# 80
18) Hexachloroethane	8.904	117	2534	5.094	ng	87
19) n-Nitroso-di-n-propyla...	8.622	70	4362	5.192	ng	# 84
22) Acetophenone	8.634	105	8878	4.917	ng	# 94
24) Nitrobenzene	9.015	77	7504	5.426	ng	# 96
25) Isophorone	9.538	82	12523	4.984	ng	97
26) 2-Nitrophenol	9.726	139	3668	5.329	ng	97
27) 2,4-Dimethylphenol	9.791	122	5155	4.903	ng	88
28) bis(2-Chloroethoxy)met...	10.026	93	5971	4.662	ng	93
29) 2,4-Dichlorophenol	10.261	162	6029	4.959	ng	# 82
30) 1,2,4-Trichlorobenzene	10.478	180	7136	5.383	ng	90
31) Naphthalene	10.661	128	19808	5.158	ng	# 94
33) 4-Chloroaniline	10.772	127	7309	4.960	ng	96
34) Hexachlorobutadiene	10.948	225	6170	5.435	ng	98
36) 4-Chloro-3-methylphenol	11.894	107	7360	4.978	ng	# 82
37) 2-Methylnaphthalene	12.270	142	14601	4.953	ng	97
38) 1-Methylnaphthalene	12.488	142	15610	5.311	ng	89
40) 1,2,4,5-Tetrachloroben...	12.641	216	9451	4.820	ng	97
43) 2,4,6-Trichlorophenol	12.882	196	5944	4.742	ng	91
44) 2,4,5-Trichlorophenol	12.958	196	6843	4.890	ng	# 96
46) 1,1'-Biphenyl	13.287	154	21854	5.003	ng	88
47) 2-Chloronaphthalene	13.322	162	15278	4.685	ng	95
48) 2-Nitroaniline	13.528	65	4571	4.107	ng	# 93
49) Acenaphthylene	14.168	152	24156	4.990	ng	95
50) Dimethylphthalate	13.904	163	23745	4.992	ng	# 96
51) 2,6-Dinitrotoluene	14.021	165	4429	4.470	ng	94

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064474.D
 Acq On : 2 Oct 2025 9:42
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 16:52:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

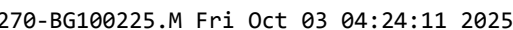
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.515	154	16816	5.000	ng	90
53) 3-Nitroaniline	14.356	138	4231	4.630	ng	83
55) Dibenzofuran	14.850	168	27888	5.022	ng #	94
57) 2,4-Dinitrotoluene	14.809	165	7310	4.826	ng #	92
58) Fluorene	15.496	166	23055	4.994	ng #	92
59) 2,3,4,6-Tetrachlorophenol	15.073	232	6653	4.658	ng #	96
60) Diethylphthalate	15.267	149	26525	5.198	ng	99
61) 4-Chlorophenyl-phenyle...	15.496	204	13144	5.215	ng	97
62) 4-Nitroaniline	15.514	138	3481	3.655	ng #	88
63) Azobenzene	15.778	77	20327	5.144	ng	97
66) n-Nitrosodiphenylamine	15.702	169	20960	5.053	ng	98
67) 4-Bromophenyl-phenylether	16.383	248	9144	5.002	ng	88
68) Hexachlorobenzene	16.501	284	9929	4.747	ng	99
69) Atrazine	16.654	200	9189	4.979	ng	92
71) Phenanthrene	17.229	178	41639	5.126	ng	97
72) Anthracene	17.323	178	40568m	4.978	ng	
73) Carbazole	17.594	167	34305	4.870	ng	97
74) Di-n-butylphthalate	18.152	149	42564	4.950	ng	100
75) Fluoranthene	19.239	202	49301	5.080	ng	98
78) Pyrene	19.603	202	52677	4.989	ng	99
80) Butylbenzylphthalate	20.496	149	17773	4.749	ng	92
81) Benzo(a)anthracene	21.389	228	52066	5.012	ng	94
83) Chrysene	21.454	228	49843	5.060	ng	98
84) Bis(2-ethylhexyl)phtha...	21.319	149	24616	4.662	ng	100
87) Indeno(1,2,3-cd)pyrene	27.723	276	58114	4.912	ng #	89
88) Benzo(b)fluoranthene	23.440	252	45779m	4.734	ng	
89) Benzo(k)fluoranthene	23.510	252	48402	4.970	ng	99
90) Benzo(a)pyrene	24.239	252	43216	4.849	ng #	95
91) Dibenzo(a,h)anthracene	27.788	278	44497	4.703	ng #	96
92) Benzo(g,h,i)perylene	28.769	276	45019	4.896	ng #	93

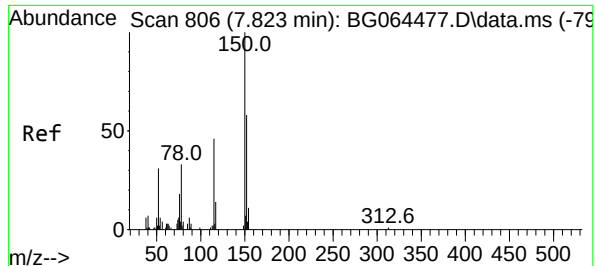
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

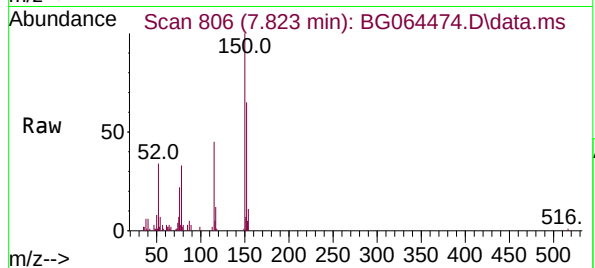
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 806
Delta R.T. 0.003 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

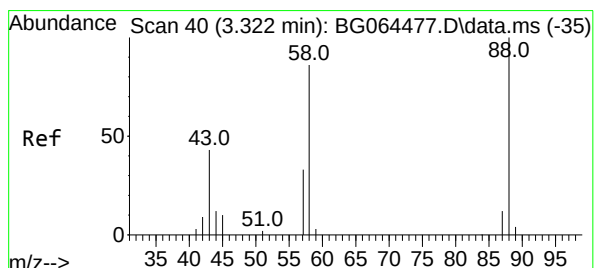
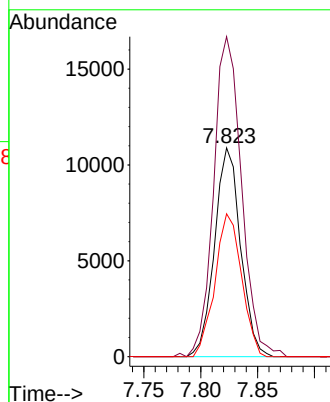
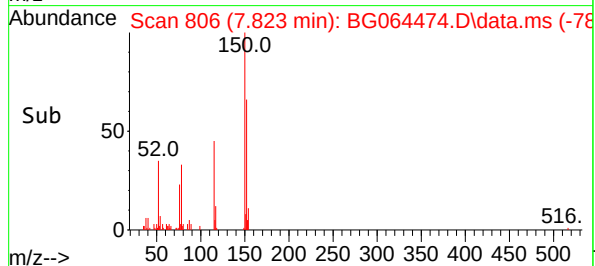
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:152 Resp: 17301
Ion Ratio Lower Upper
152 100
150 153.3 138.6 207.8
115 68.4 63.4 95.2

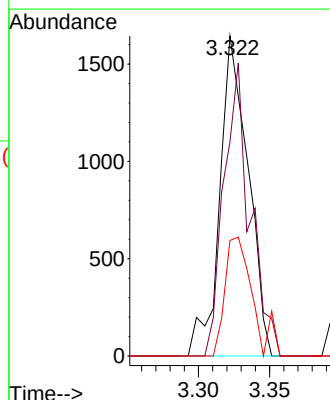
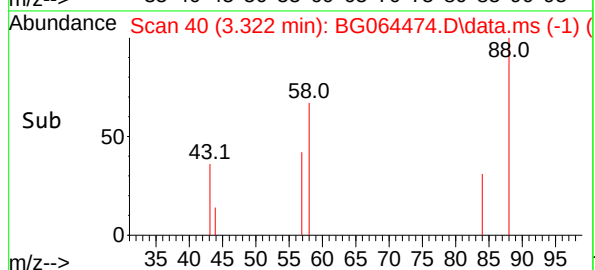
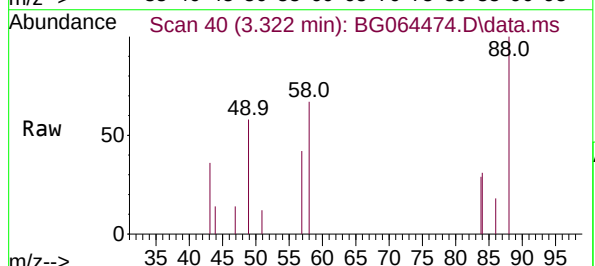
Manual Integrations
APPROVED

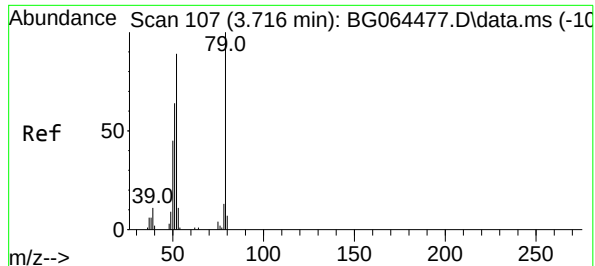
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#2
1,4-Dioxane
Concen: 6.201 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

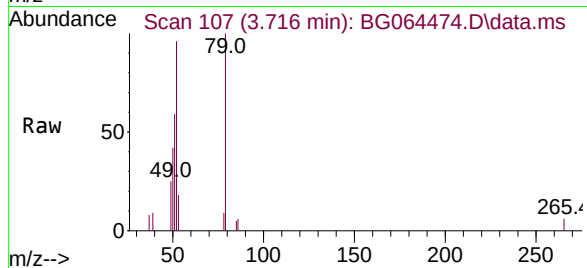
Tgt Ion: 88 Resp: 2293
Ion Ratio Lower Upper
88 100
58 84.0 69.8 104.6
43 35.8 37.4 56.0#





#3
Pyridine
Concen: 5.333 ng
RT: 3.716 min Scan# 107
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

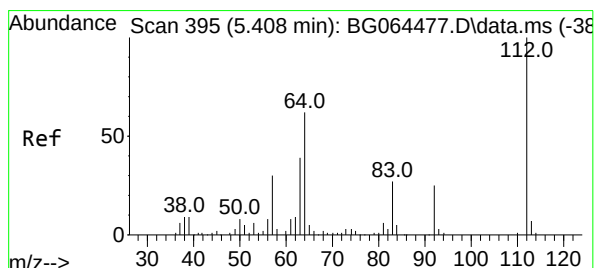
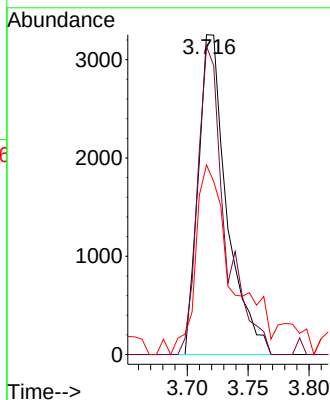
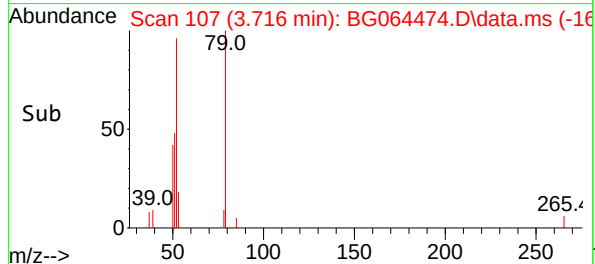
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion: 79 Resp: 5300
Ion Ratio Lower Upper
79 100
52 96.3 71.0 106.4
51 59.3 51.0 76.6

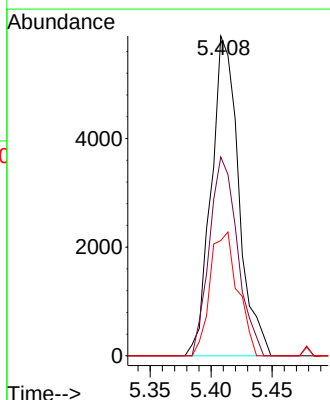
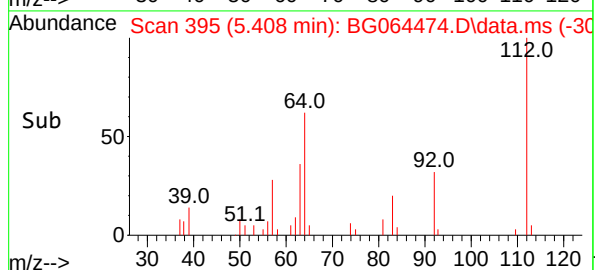
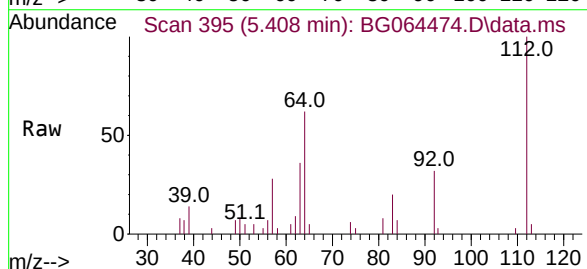
Manual Integrations
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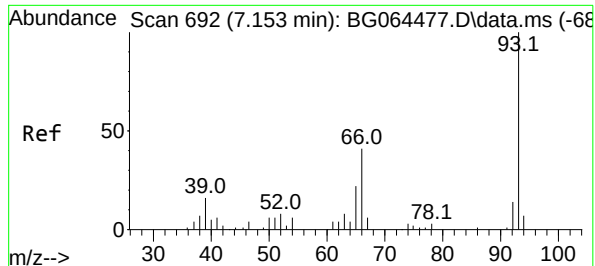
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#5
2-Fluorophenol
Concen: 9.863 ng
RT: 5.408 min Scan# 395
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

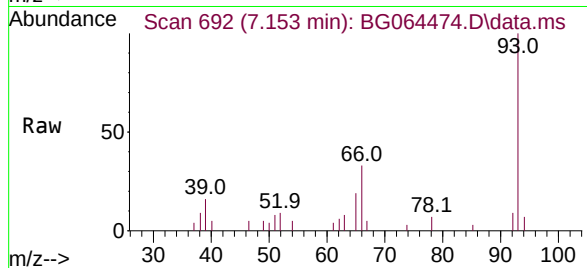
Tgt Ion:112 Resp: 9220
Ion Ratio Lower Upper
112 100
64 62.2 49.8 74.8
63 36.0 31.3 46.9





#6
Aniline
Concen: 5.221 ng
RT: 7.153 min Scan# 692
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

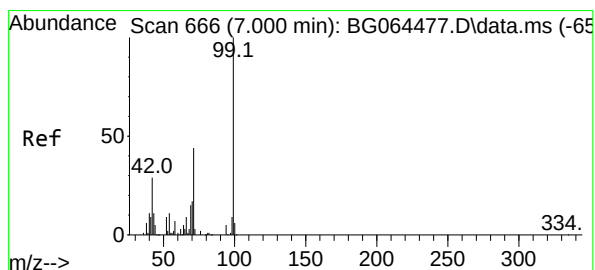
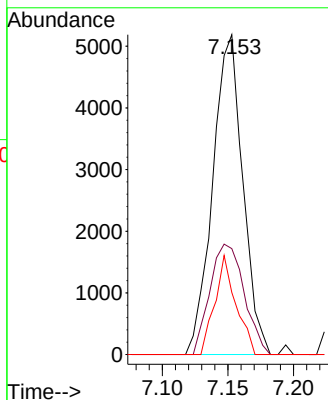
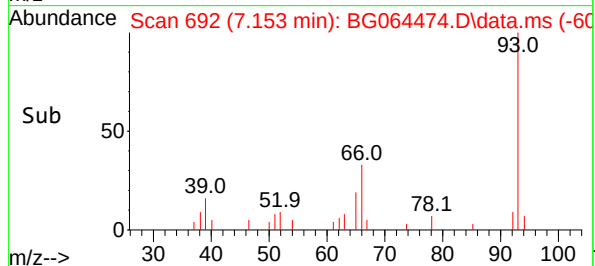
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion: 93 Resp: 8273
Ion Ratio Lower Upper
93 100
66 33.1 33.0 49.4
65 19.4 17.5 26.3

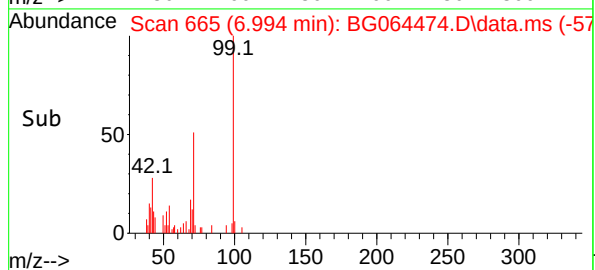
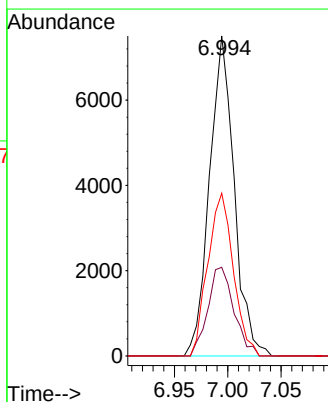
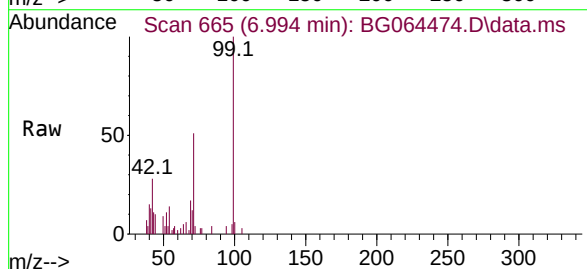
Manual Integrations
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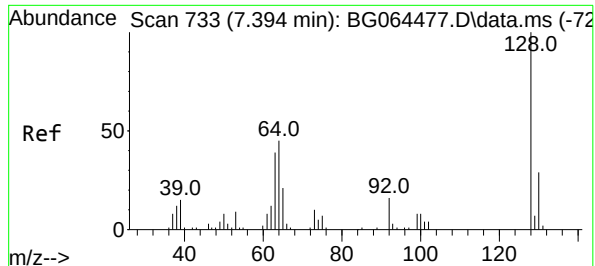
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#7
Phenol-d6
Concen: 9.607 ng
RT: 6.994 min Scan# 665
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

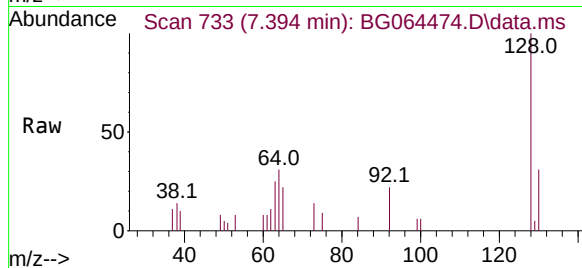
Tgt Ion: 99 Resp: 12069
Ion Ratio Lower Upper
99 100
42 27.7 22.9 34.3
71 50.8 35.4 53.2





#8
2-Chlorophenol
Concen: 5.227 ng
RT: 7.394 min Scan# 733
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

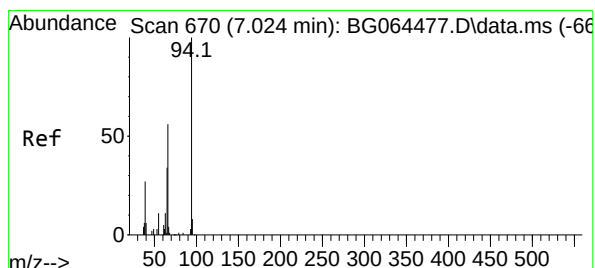
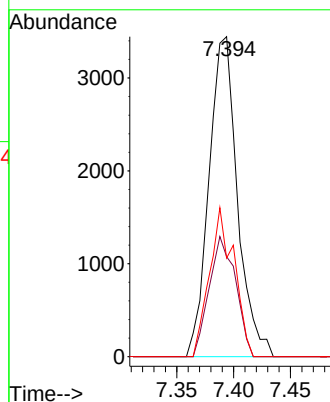
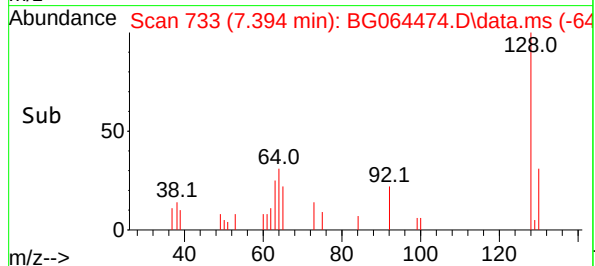
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:128 Resp: 6000
Ion Ratio Lower Upper
128 100
130 31.3 9.2 49.2
64 30.8 25.5 65.5

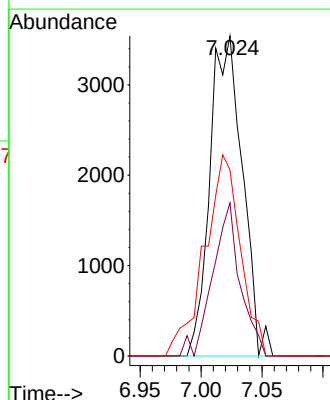
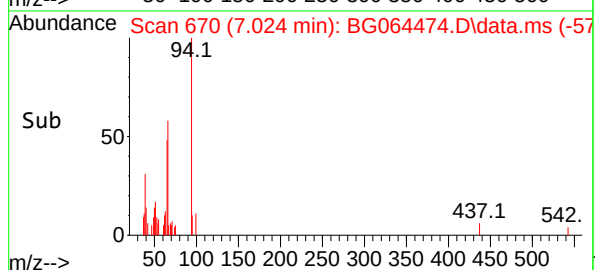
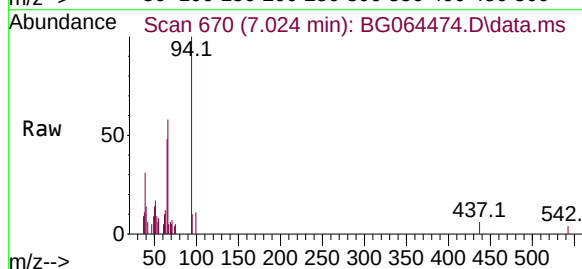
Manual Integrations
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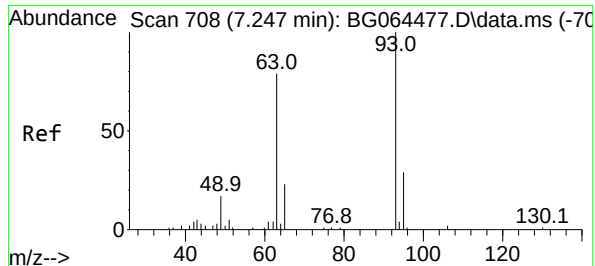
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#10
Phenol
Concen: 4.953 ng
RT: 7.024 min Scan# 670
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

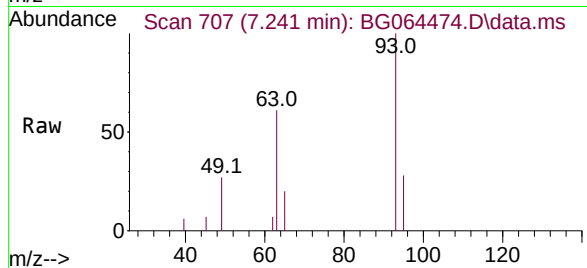
Tgt Ion: 94 Resp: 6564
Ion Ratio Lower Upper
94 100
65 47.8 14.8 54.8
66 58.1 41.4 81.4





#11
bis(2-Chloroethyl)ether
Concen: 5.384 ng
RT: 7.241 min Scan# 708
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

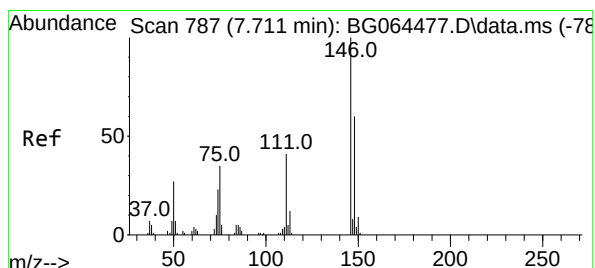
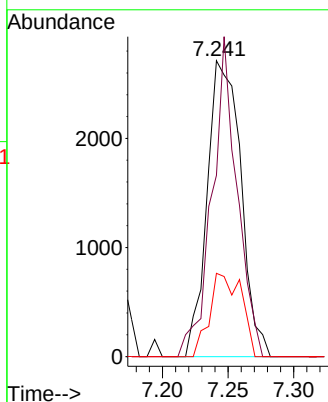
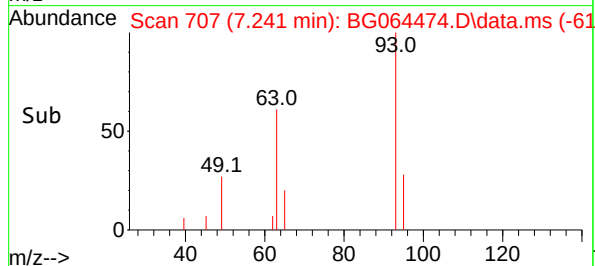
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion: 93 Resp: 4832
Ion Ratio Lower Upper
93 100
63 61.2 59.5 99.5
95 28.2 8.8 48.8

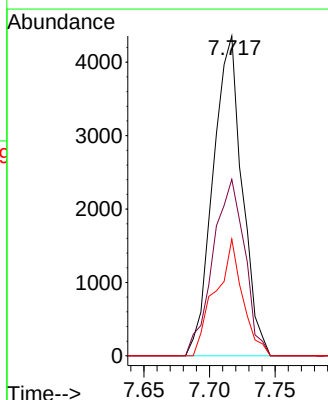
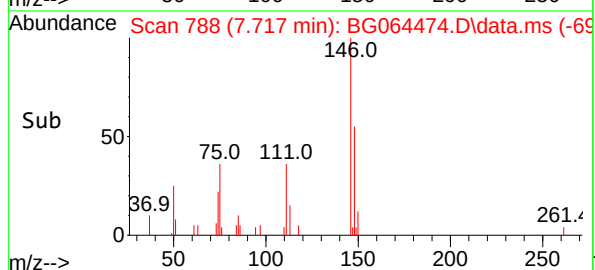
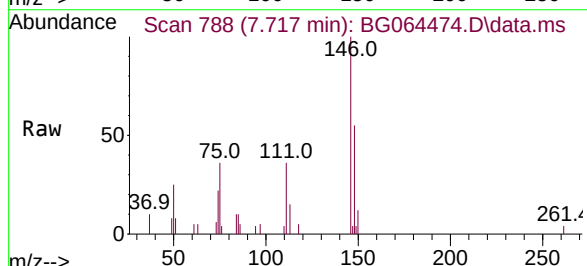
Manual Integrations
APPROVED

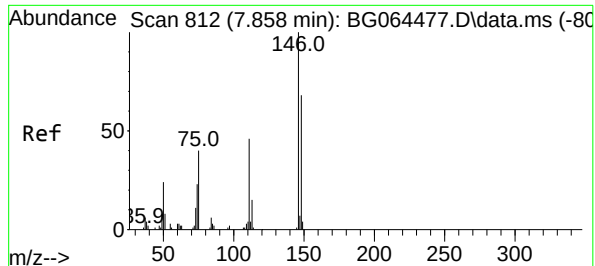
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#12
1,3-Dichlorobenzene
Concen: 5.367 ng
RT: 7.717 min Scan# 788
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:146 Resp: 6740
Ion Ratio Lower Upper
146 100
148 55.2 48.4 72.6
75 36.5 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 5.169 ng

RT: 7.858 min Scan# 812

Delta R.T. 0.002 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

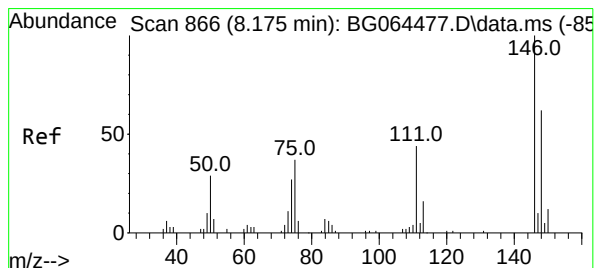
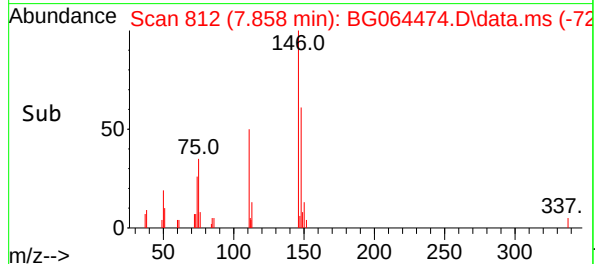
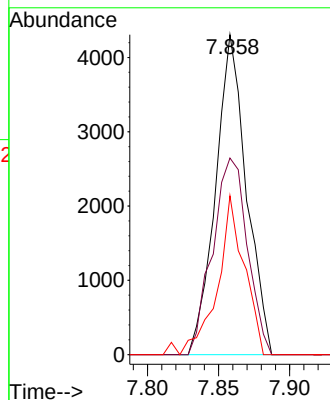
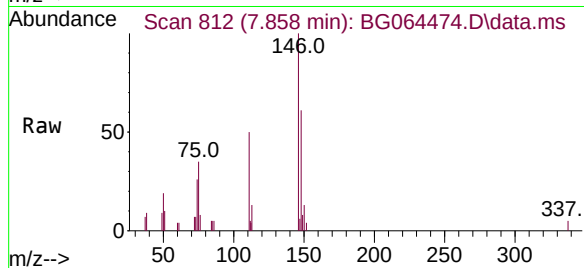
Tgt Ion:	146	Resp:	6514
Ion	Ratio	Lower	Upper
146	100		
148	61.4	54.4	81.6
111	54.2	36.5	54.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#14

1,2-Dichlorobenzene

Concen: 5.512 ng

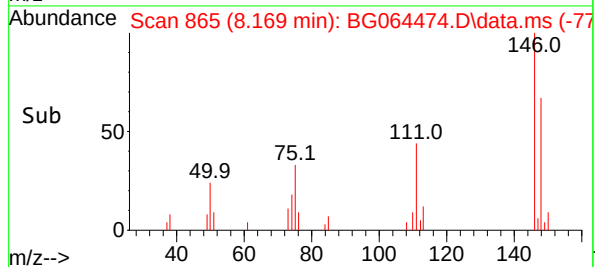
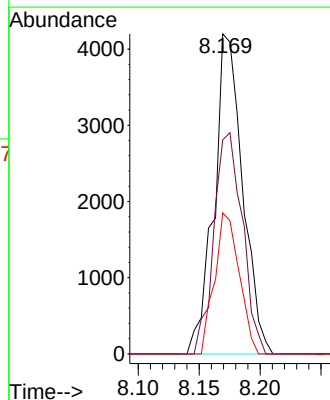
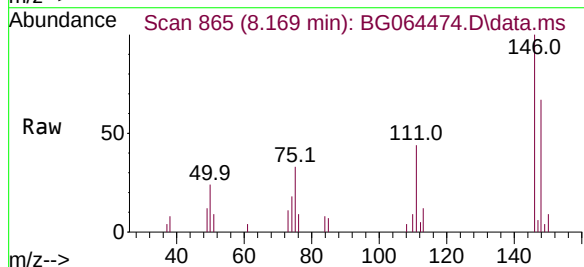
RT: 8.169 min Scan# 865

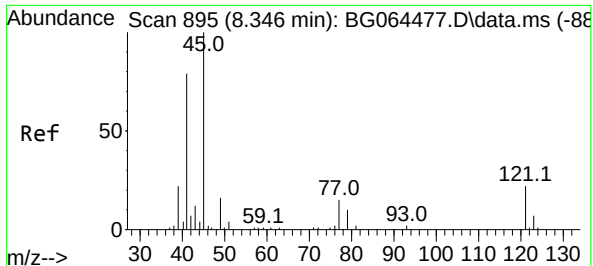
Delta R.T. -0.004 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

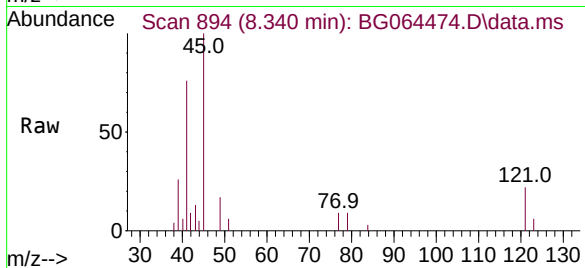
Tgt Ion:	146	Resp:	6846
Ion	Ratio	Lower	Upper
146	100		
148	66.9	50.0	75.0
111	44.1	35.0	52.4





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.144 ng
RT: 8.340 min Scan# 895
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

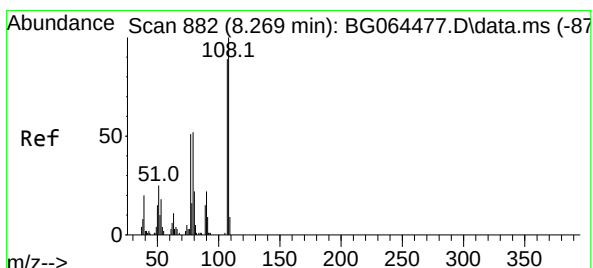
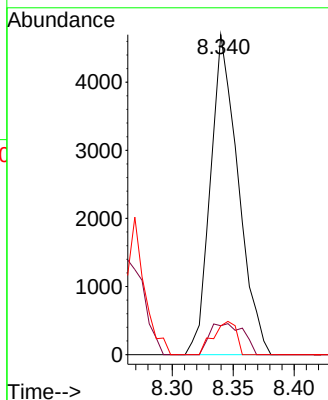
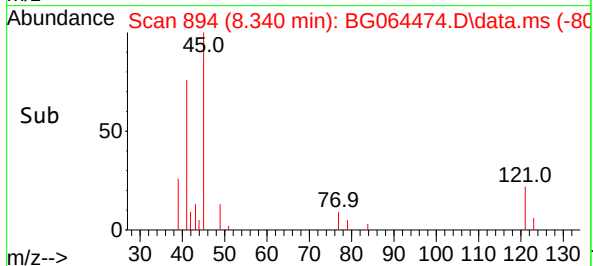
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion: 45 Resp: 744
Ion Ratio Lower Upper
45 100
77 9.0 0.0 35.6
79 9.0 0.0 30.7

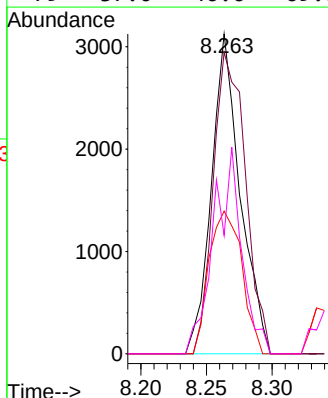
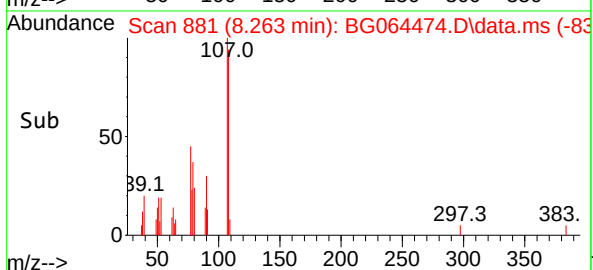
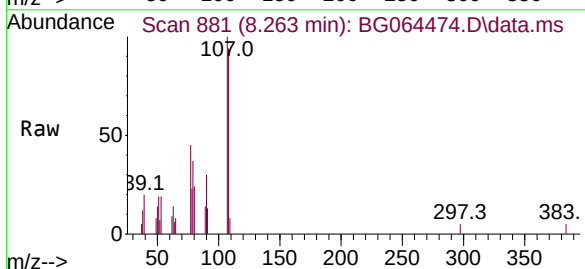
Manual Integrations
APPROVED

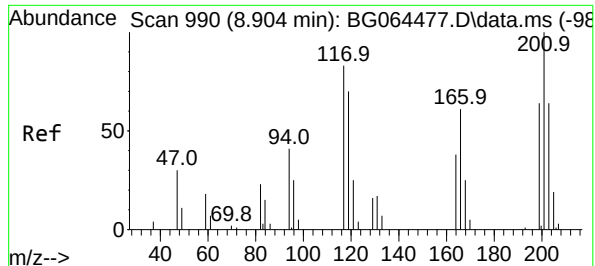
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#17
2-Methylphenol
Concen: 4.981 ng
RT: 8.263 min Scan# 881
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

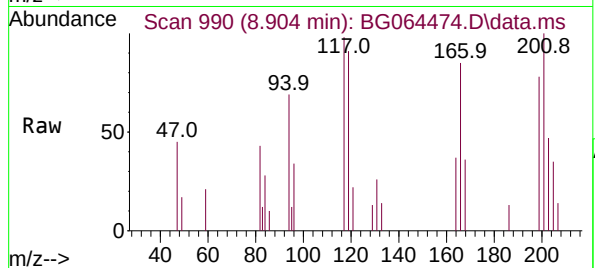
Tgt Ion:107 Resp: 4780
Ion Ratio Lower Upper
107 100
108 94.3 90.3 135.5
77 44.6 46.0 69.0#
79 37.0 46.6 69.8#





#18
Hexachloroethane
Concen: 5.094 ng
RT: 8.904 min Scan# 990
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

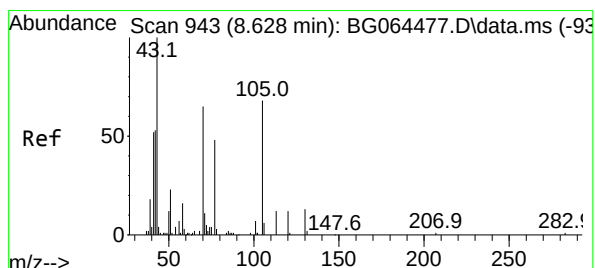
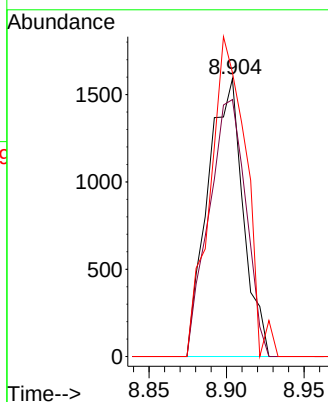
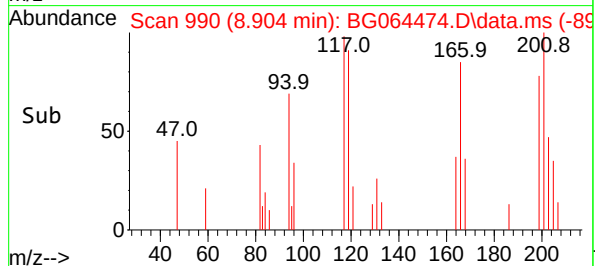
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



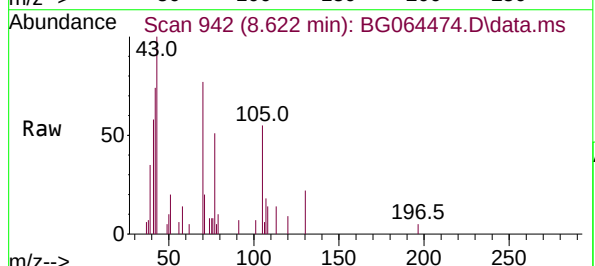
Tgt Ion: 117 Resp: 2534
Ion Ratio Lower Upper
117 100
119 92.5 67.4 101.0
201 102.2 95.9 143.9

Manual Integrations
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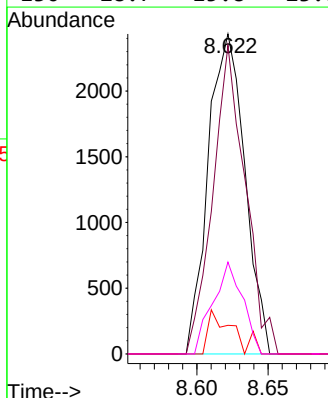
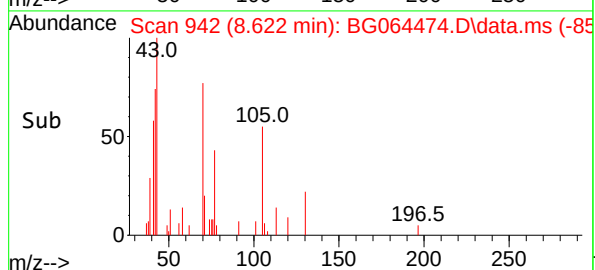
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

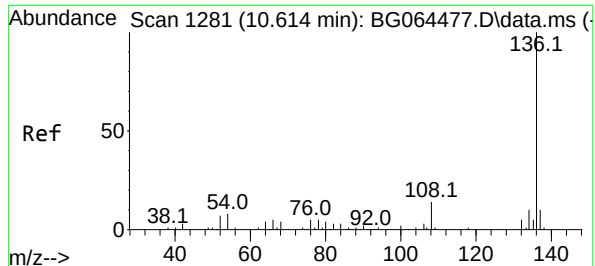


#19
n-Nitroso-di-n-propylamine
Concen: 5.192 ng
RT: 8.622 min Scan# 942
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42



Tgt Ion: 70 Resp: 4362
Ion Ratio Lower Upper
70 100
42 96.4 64.9 97.3
101 8.9 8.7 13.1
130 28.7 15.8 23.8#





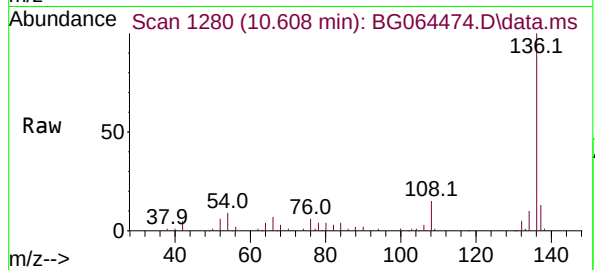
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 1281
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005



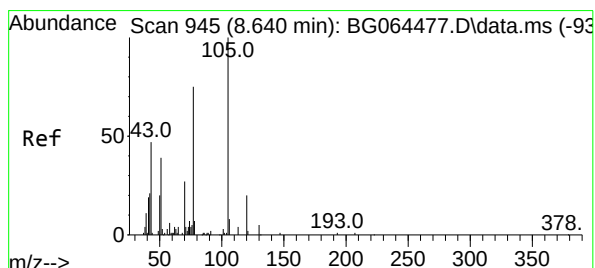
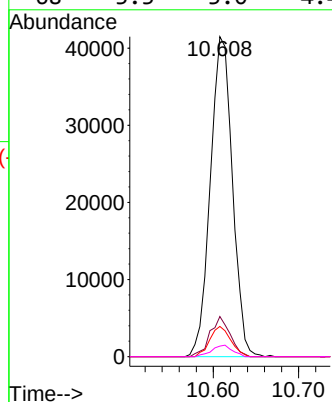
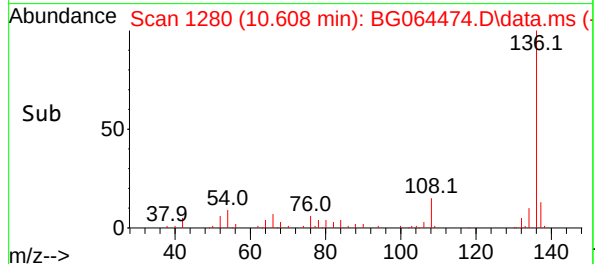
Tgt Ion:136 Resp: 74573
Ion Ratio Lower Upper
136 100
137 12.5 8.3 12.5
54 9.4 6.2 9.4
68 3.3 3.0 4.4

Manual Integrations

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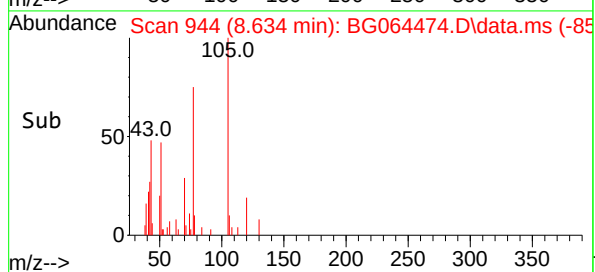
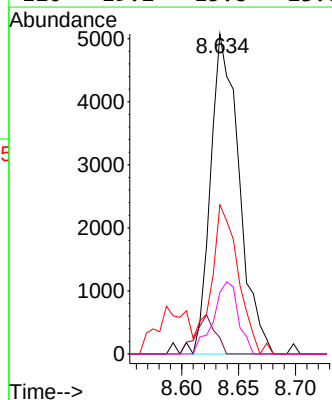
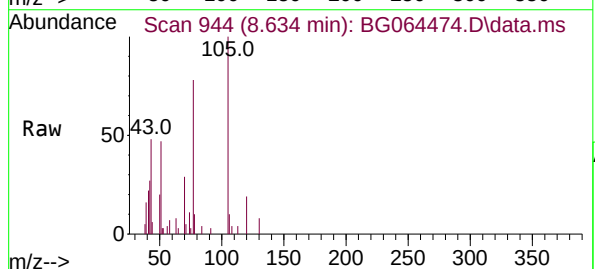
Reviewed By :Rahul Chavli 10/03/2025

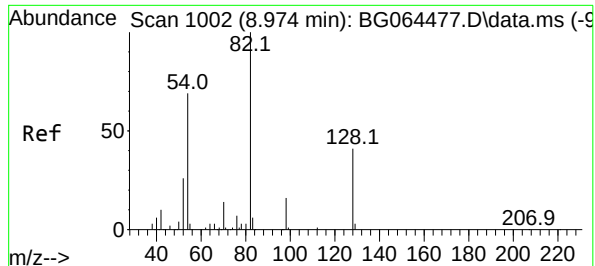
Supervised By :Jagrut Upadhyay 10/03/2025



#22
Acetophenone
Concen: 4.917 ng
RT: 8.634 min Scan# 944
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:105 Resp: 8878
Ion Ratio Lower Upper
105 100
71 5.1 2.8 4.2
51 46.6 33.0 49.4
120 19.2 15.8 23.6





#23

Nitrobenzene-d5

Concen: 9.673 ng

RT: 8.974 min Scan# 1002

Delta R.T. 0.008 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Tgt Ion: 82 Resp: 13416

Ion Ratio Lower Upper

82 100

128 41.1 33.1 49.7

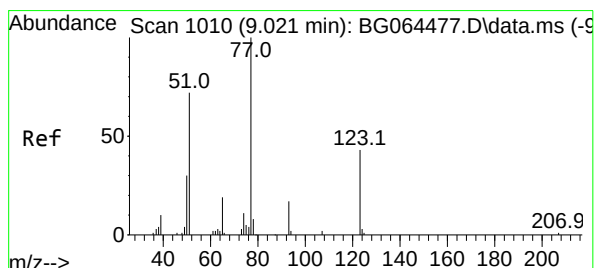
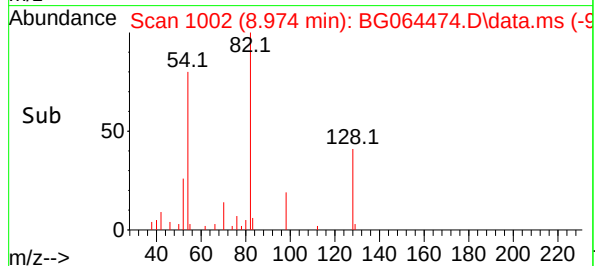
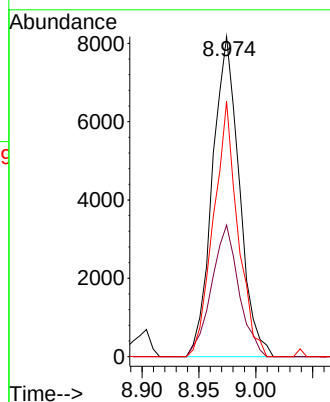
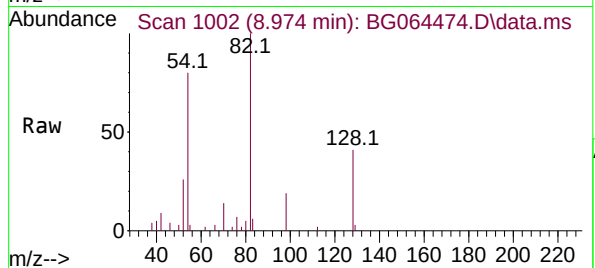
54 79.8 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#24

Nitrobenzene

Concen: 5.426 ng

RT: 9.015 min Scan# 1009

Delta R.T. 0.002 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

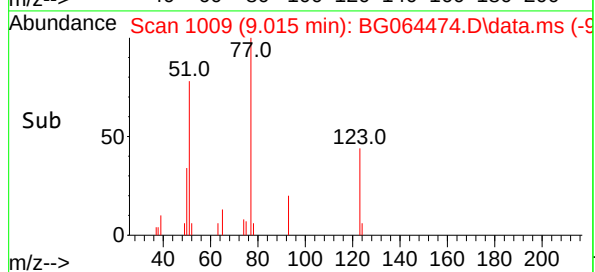
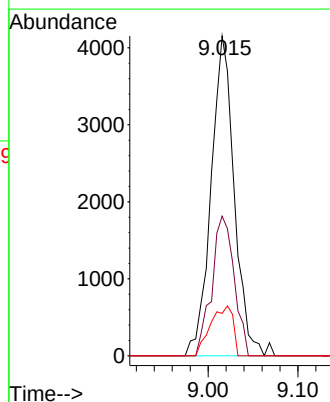
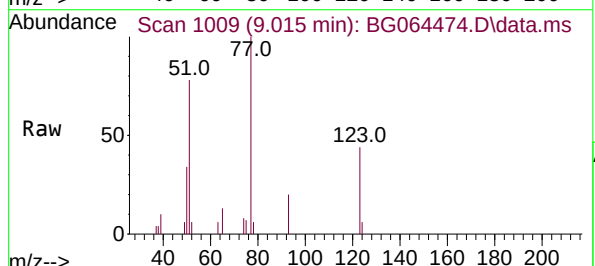
Tgt Ion: 77 Resp: 7504

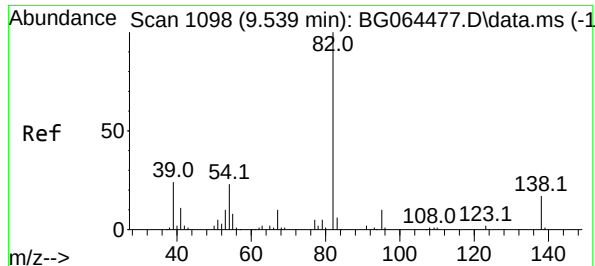
Ion Ratio Lower Upper

77 100

123 43.7 34.4 51.6

65 13.3 14.8 22.2#





#25

Isophorone

Concen: 4.984 ng

RT: 9.538 min Scan# 1098

Delta R.T. 0.008 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

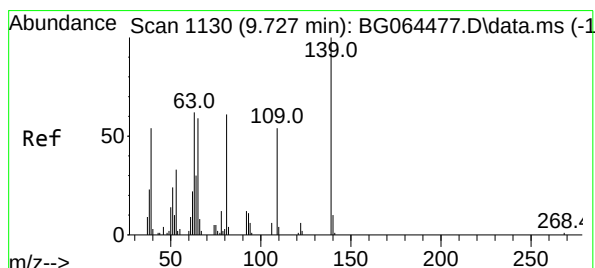
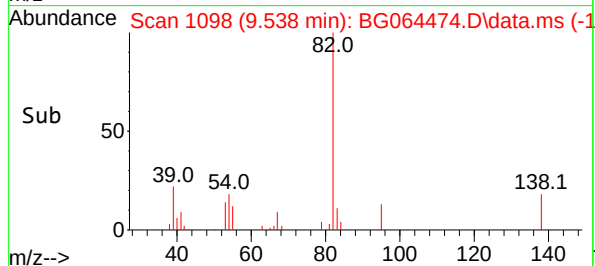
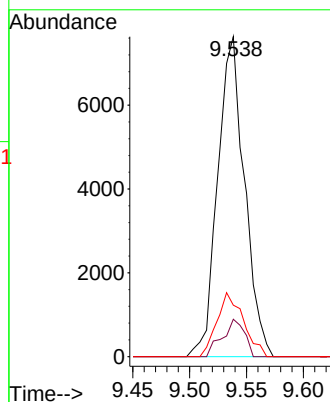
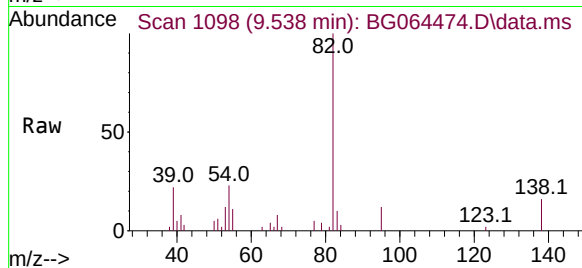
SSTDICC005

Tgt Ion: 82	Resp: 12523
Ion Ratio	Lower Upper
82 100	
95 11.7	7.8 11.8
138 16.1	13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#26

2-Nitrophenol

Concen: 5.329 ng

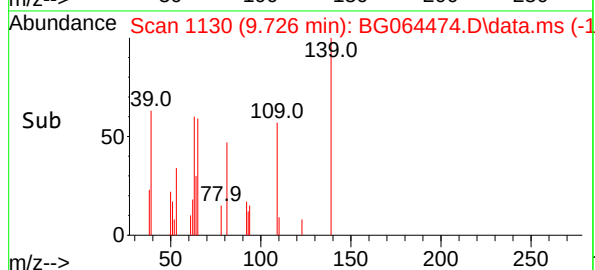
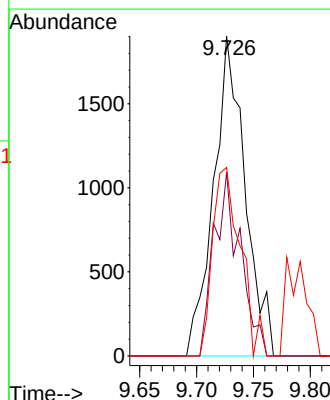
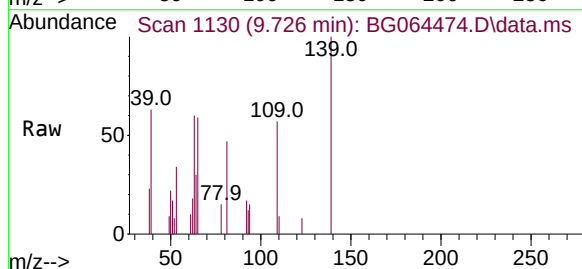
RT: 9.726 min Scan# 1130

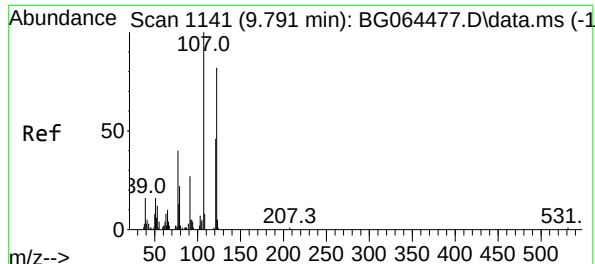
Delta R.T. 0.008 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

Tgt Ion:139	Resp: 3668
Ion Ratio	Lower Upper
139 100	
109 57.4	43.0 64.6
65 58.9	47.4 71.2





#27

2,4-Dimethylphenol

Concen: 4.903 ng

RT: 9.791 min Scan# 1141

Delta R.T. 0.008 min

Lab File: BG064474.D

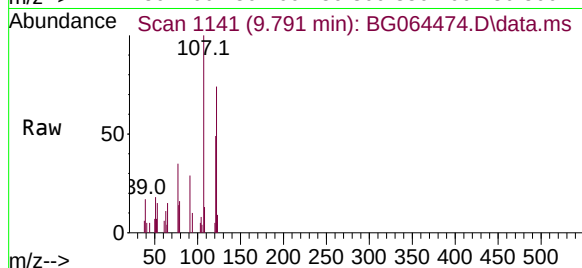
Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005



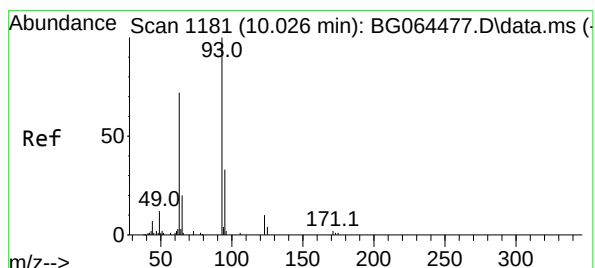
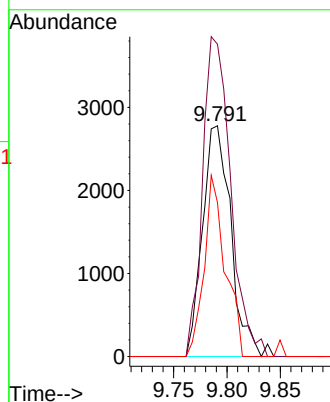
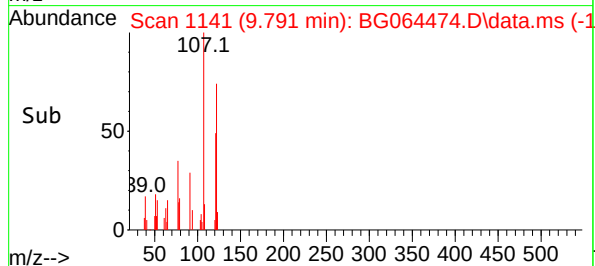
Tgt Ion:	122	Resp:	515
Ion	Ratio	Lower	Upper
122	100		
107	135.4	98.3	147.5
121	66.7	44.7	67.1

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#28

bis(2-Chloroethoxy)methane

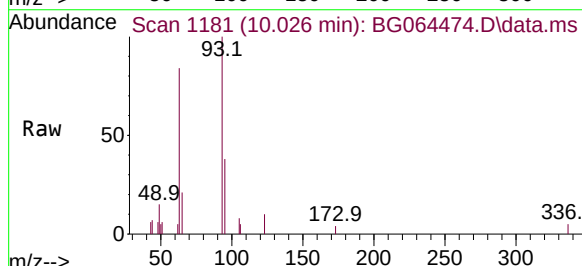
Concen: 4.662 ng

RT: 10.026 min Scan# 1181

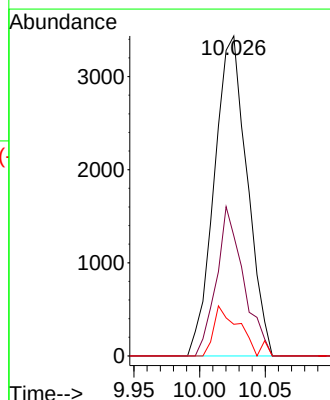
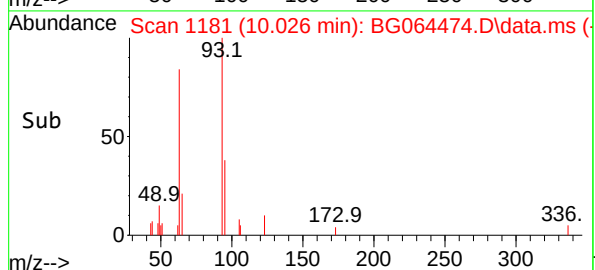
Delta R.T. 0.008 min

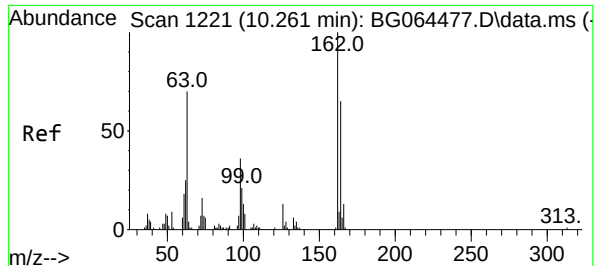
Lab File: BG064474.D

Acq: 2 Oct 2025 9:42



Tgt Ion:	93	Resp:	5971
Ion	Ratio	Lower	Upper
93	100		
95	37.5	26.5	39.7
123	9.9	8.9	13.3





#29

2,4-Dichlorophenol

Concen: 4.959 ng

RT: 10.261 min Scan# 1221

Delta R.T. 0.002 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

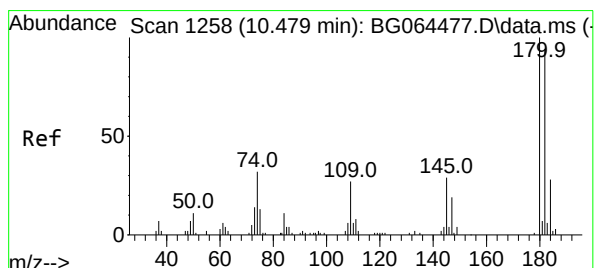
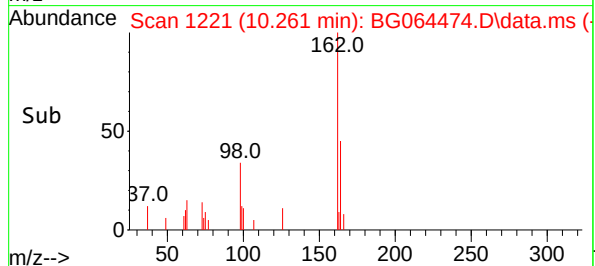
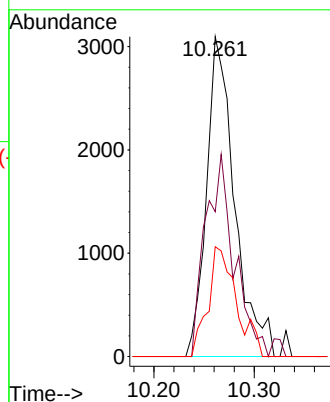
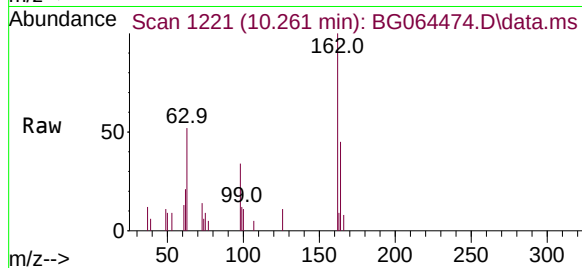
Tgt Ion:	162	Resp:	6029
Ion Ratio	Lower	Upper	
162	100		
164	45.3	45.4	85.4
98	34.3	16.4	56.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#30

1,2,4-Trichlorobenzene

Concen: 5.383 ng

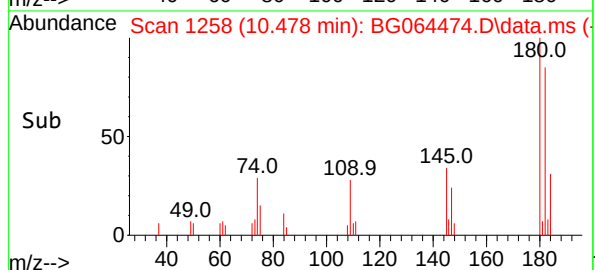
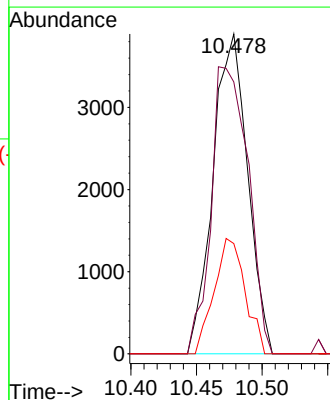
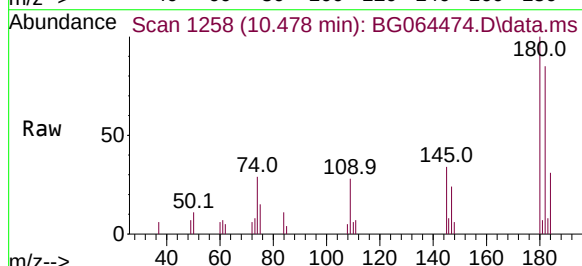
RT: 10.478 min Scan# 1258

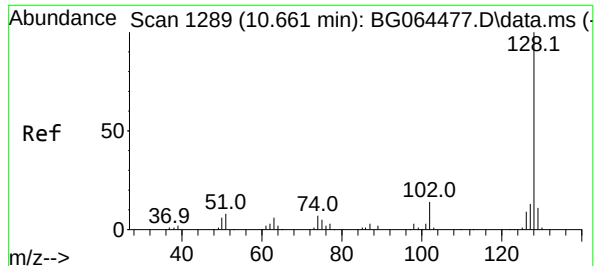
Delta R.T. 0.008 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

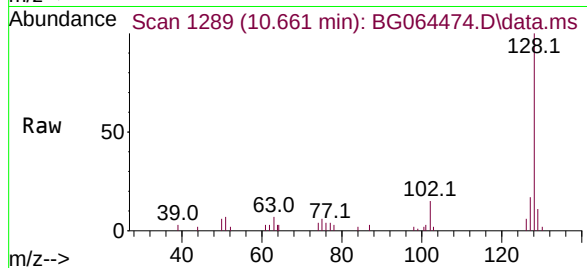
Tgt Ion:	180	Resp:	7136
Ion Ratio	Lower	Upper	
180	100		
182	85.0	75.4	113.2
145	34.5	23.2	34.8





#31
Naphthalene
Concen: 5.158 ng
RT: 10.661 min Scan# 1289
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

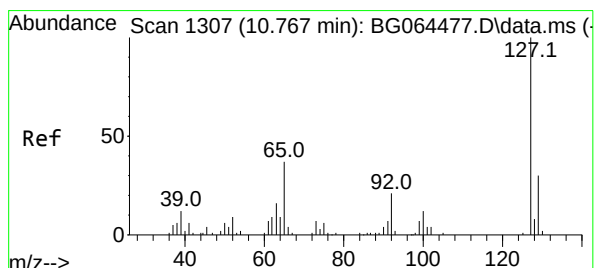
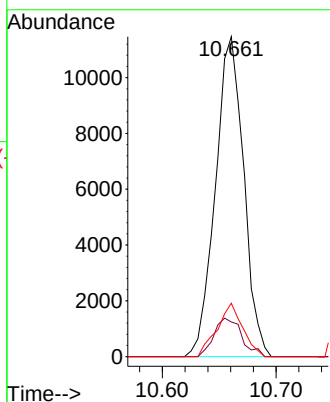
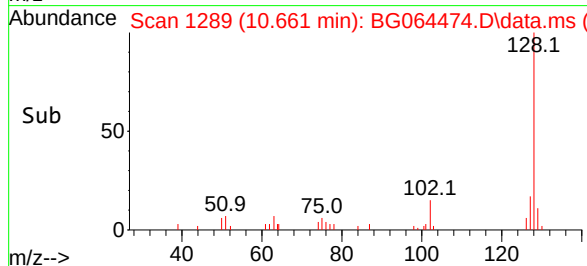
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:128 Resp: 19808
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 16.7 10.2 15.2

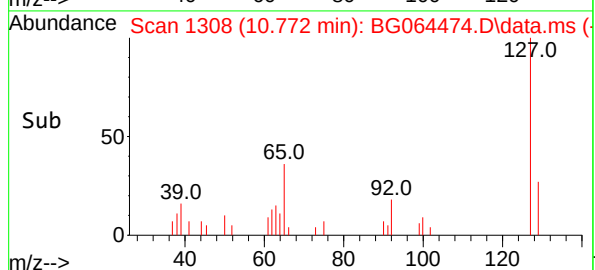
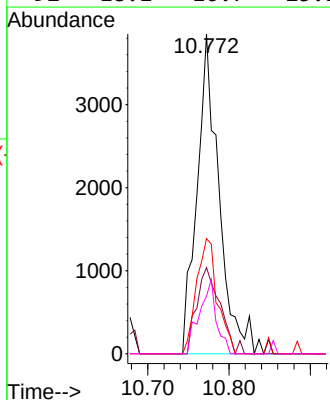
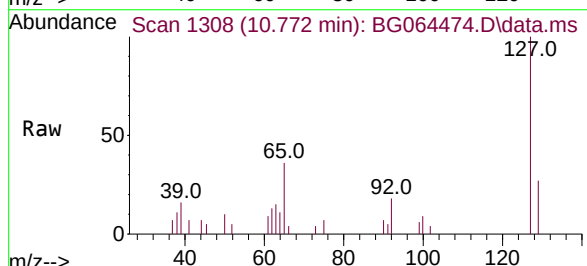
Manual Integrations
APPROVED

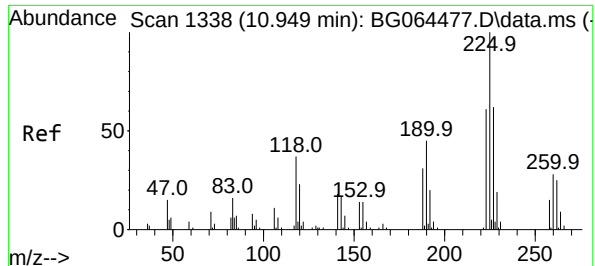
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#33
4-Chloroaniline
Concen: 4.960 ng
RT: 10.772 min Scan# 1308
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:127 Resp: 7309
Ion Ratio Lower Upper
127 100
129 26.9 24.2 36.4
65 36.0 29.6 44.4
92 18.1 16.7 25.1





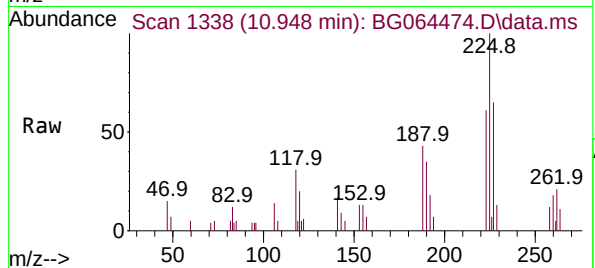
#34
Hexachlorobutadiene
Concen: 5.435 ng
RT: 10.948 min Scan# 1338
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

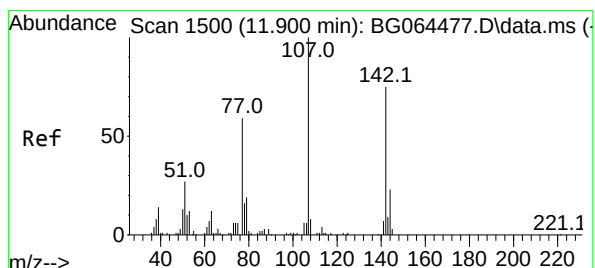
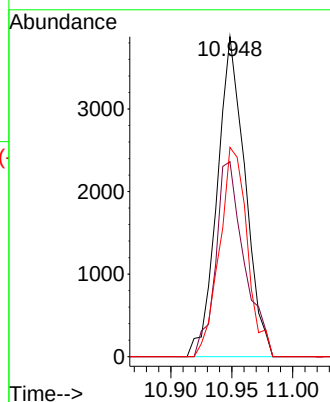
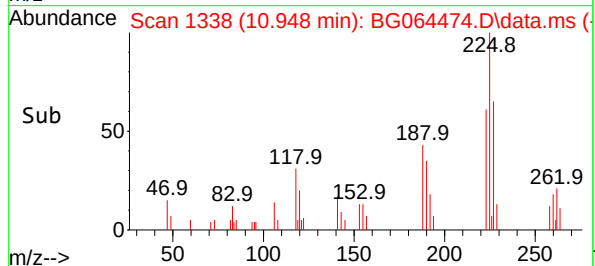


Tgt Ion:225 Resp: 6170
Ion Ratio Lower Upper
225 100
223 60.9 49.0 73.6
227 65.4 49.9 74.9

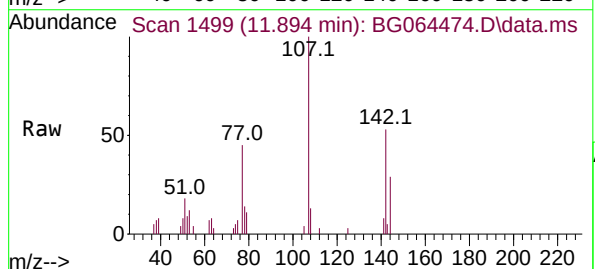
Manual Integrations

APPROVED

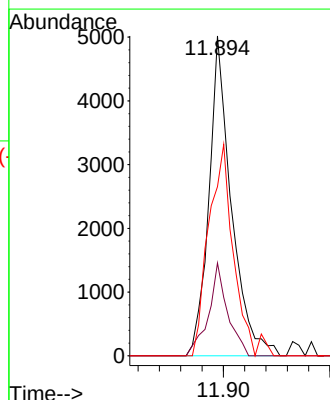
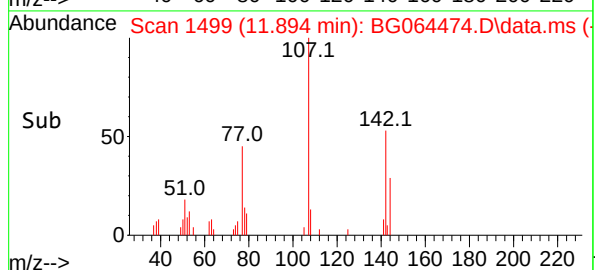
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

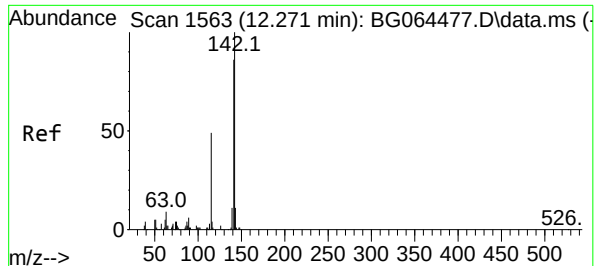


#36
4-Chloro-3-methylphenol
Concen: 4.978 ng
RT: 11.894 min Scan# 1499
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42



Tgt Ion:107 Resp: 7360
Ion Ratio Lower Upper
107 100
144 29.0 18.7 28.1#
142 58.3 60.2 90.2#





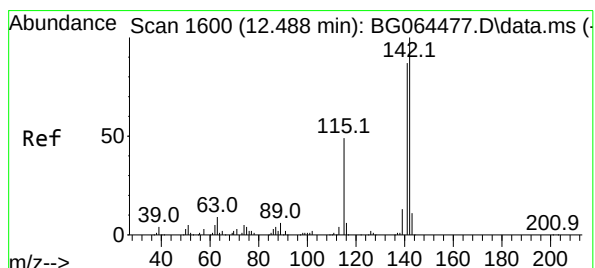
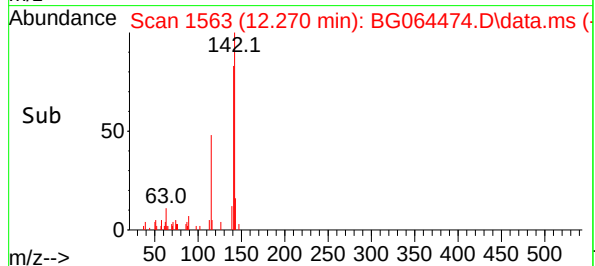
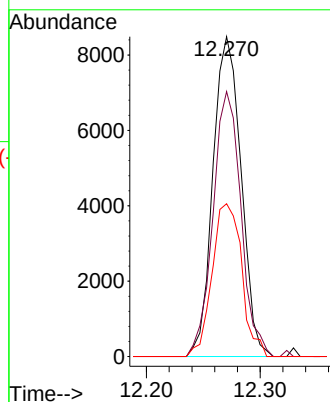
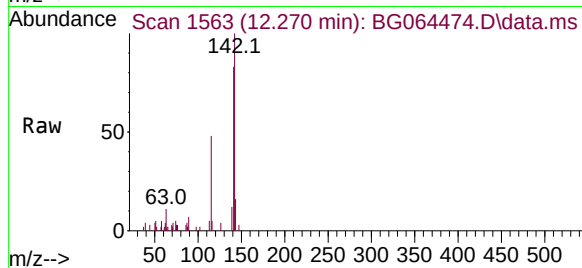
#37
2-Methylnaphthalene
Concen: 4.953 ng
RT: 12.270 min Scan# 1563
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 1460
Ion Ratio Lower Upper
142 100
141 82.8 68.7 103.1
115 47.8 39.3 58.9

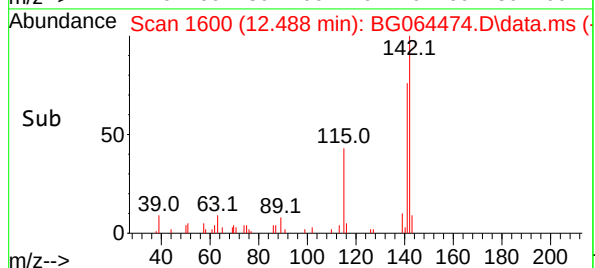
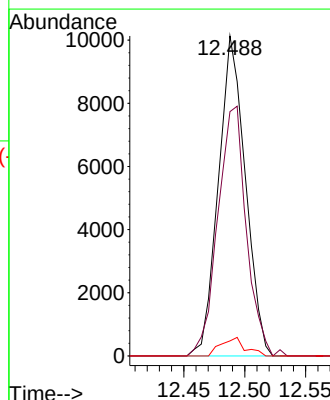
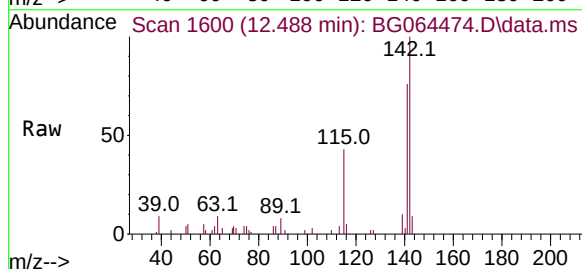
Manual Integrations
APPROVED

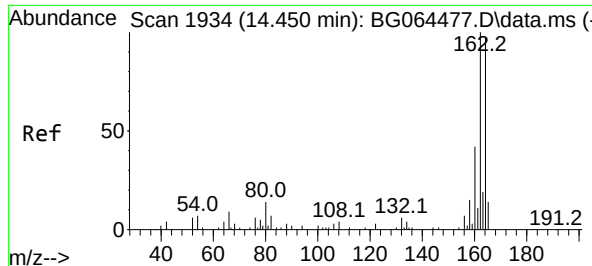
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#38
1-Methylnaphthalene
Concen: 5.311 ng
RT: 12.488 min Scan# 1600
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

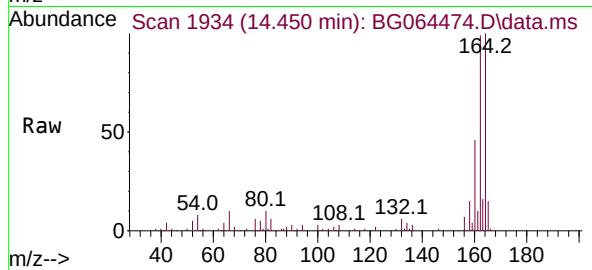
Tgt Ion:142 Resp: 15610
Ion Ratio Lower Upper
142 100
141 76.4 69.8 104.8
116 4.7 4.6 6.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.450 min Scan# 1934
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

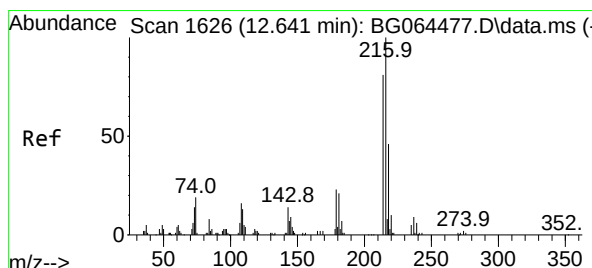
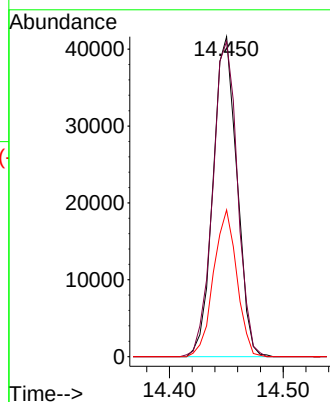
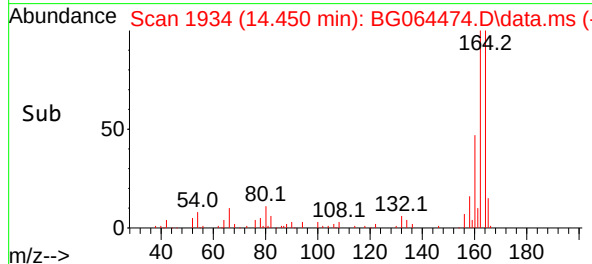
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:164 Resp: 60732
Ion Ratio Lower Upper
164 100
162 98.5 82.2 123.2
160 45.8 34.3 51.5

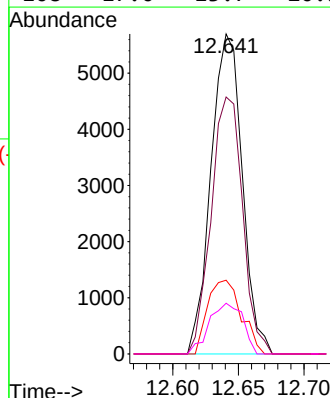
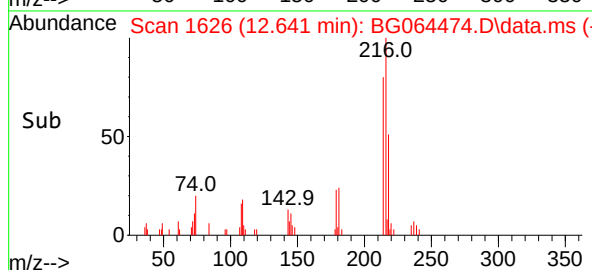
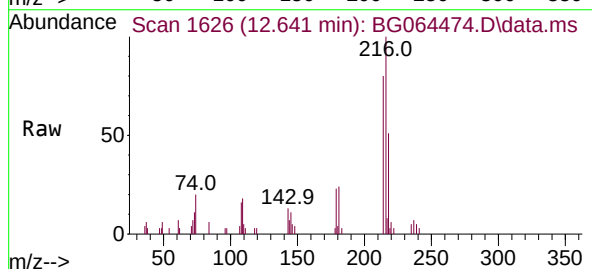
Manual Integrations
APPROVED

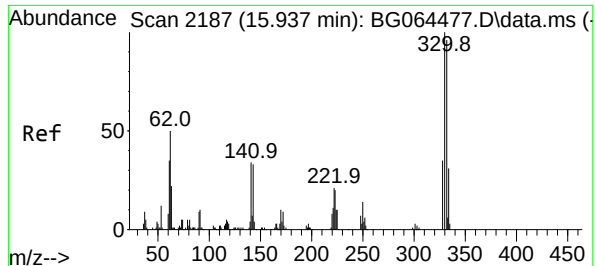
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.820 ng
RT: 12.641 min Scan# 1626
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:216 Resp: 9451
Ion Ratio Lower Upper
216 100
214 80.6 62.5 93.7
179 24.8 17.0 25.6
108 17.0 13.7 20.5





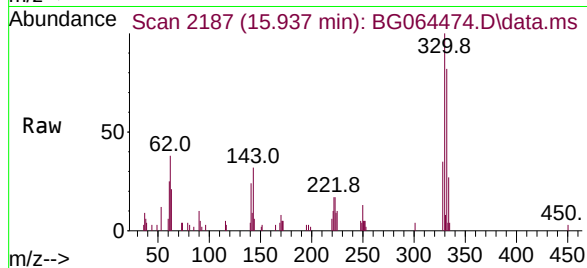
#42
2,4,6-Tribromophenol
Concen: 10.043 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

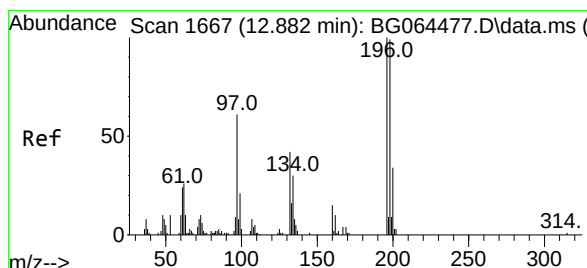
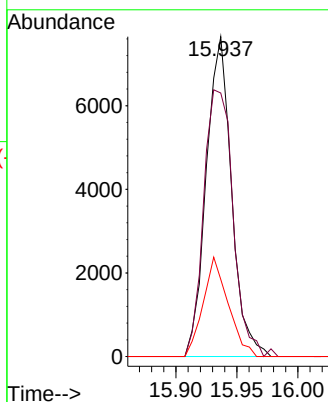
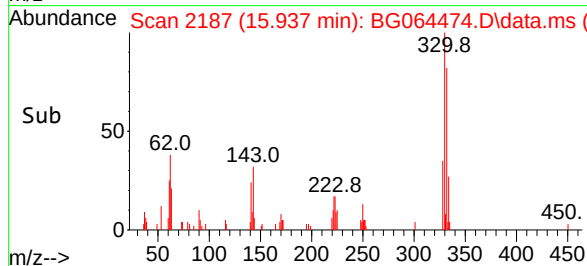


Tgt Ion:330 Resp: 11056
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 30.8 25.8 38.6

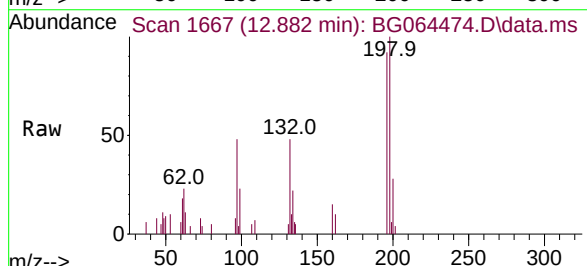
Manual Integrations

APPROVED

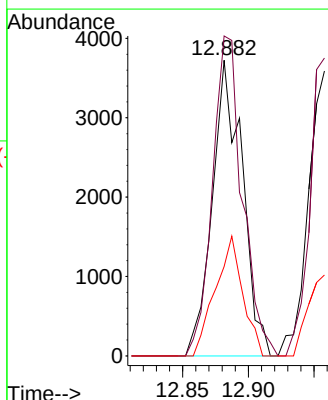
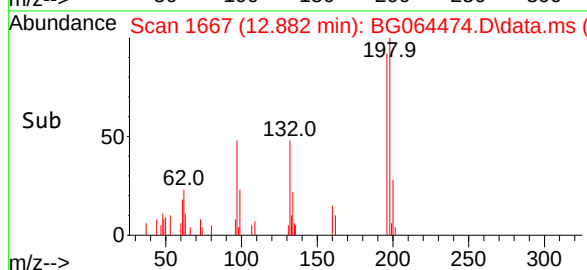
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

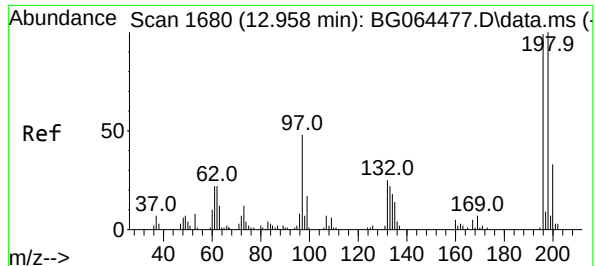


#43
2,4,6-Trichlorophenol
Concen: 4.742 ng
RT: 12.882 min Scan# 1667
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42



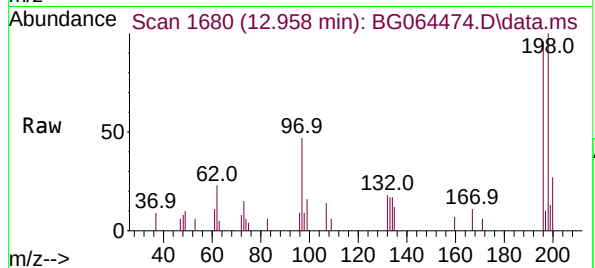
Tgt Ion:196 Resp: 5944
Ion Ratio Lower Upper
196 100
198 108.3 79.3 118.9
200 30.2 27.4 41.2





#44
2,4,5-Trichlorophenol
Concen: 4.890 ng
RT: 12.958 min Scan# 1699
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

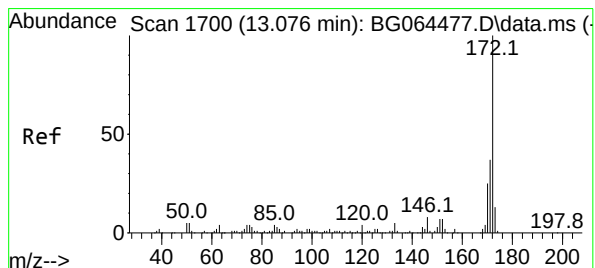
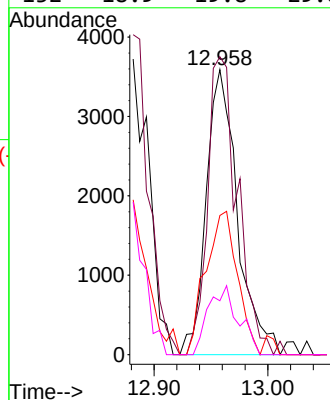
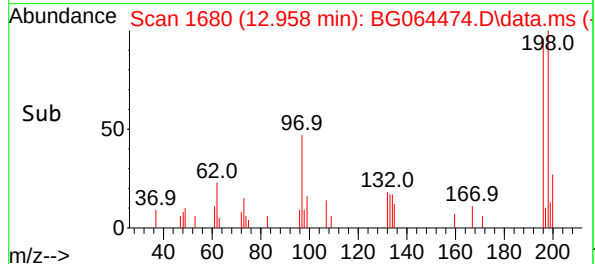
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:196 Resp: 6843
Ion Ratio Lower Upper
196 100
198 104.6 80.3 120.5
97 48.8 39.4 59.0
132 18.9 19.8 29.8#

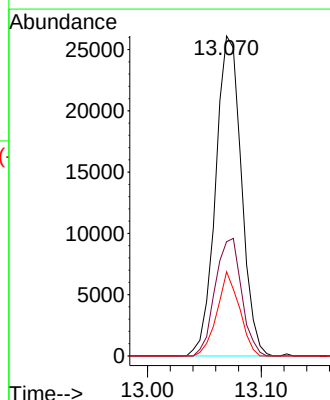
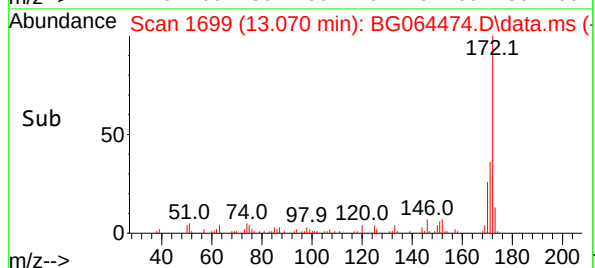
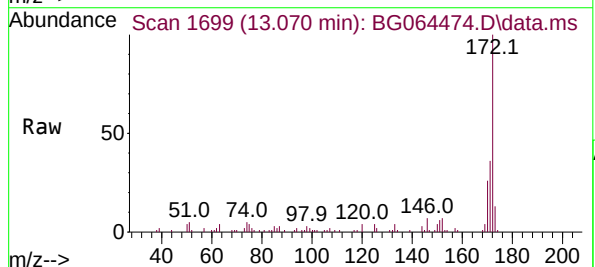
Manual Integrations
APPROVED

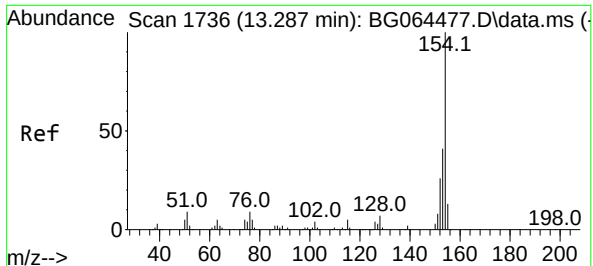
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#45
2-Fluorobiphenyl
Concen: 9.988 ng
RT: 13.070 min Scan# 1699
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

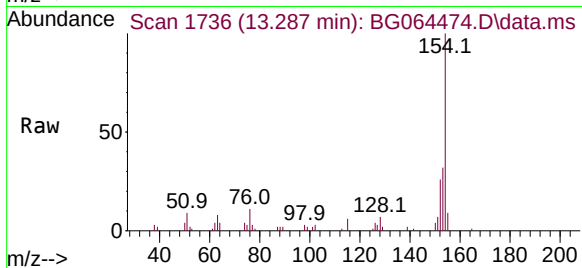
Tgt Ion:172 Resp: 41153
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 26.3 20.2 30.2





#46
1,1'-Biphenyl
Concen: 5.003 ng
RT: 13.287 min Scan# 1736
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

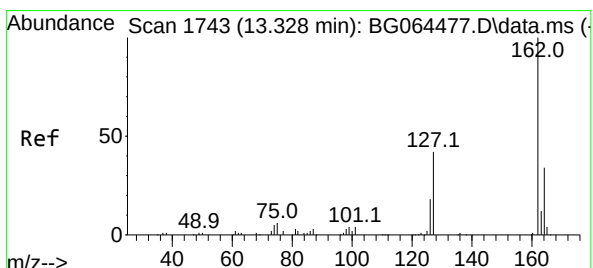
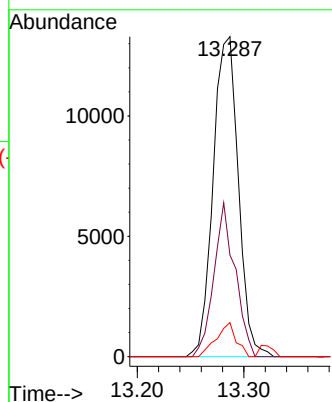
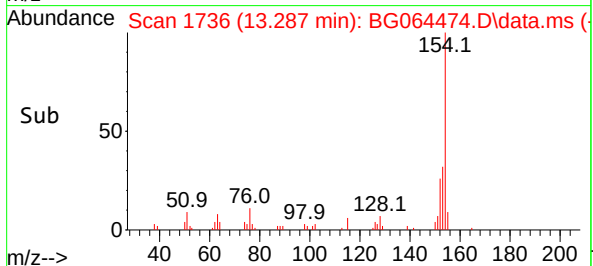
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



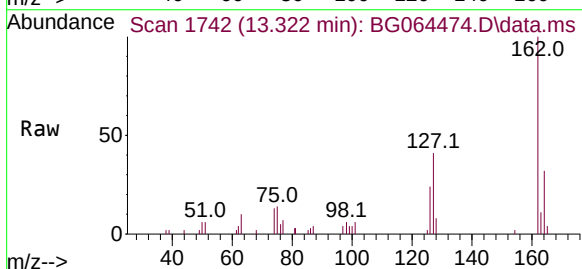
Tgt Ion:154 Resp: 21854
Ion Ratio Lower Upper
154 100
153 31.7 20.7 60.7
76 10.6 0.0 29.3

Manual Integrations
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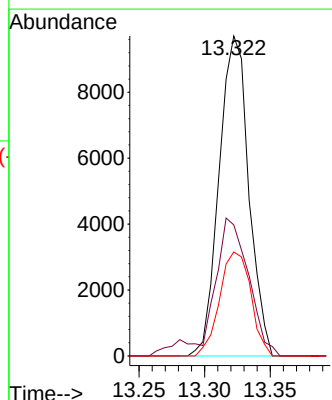
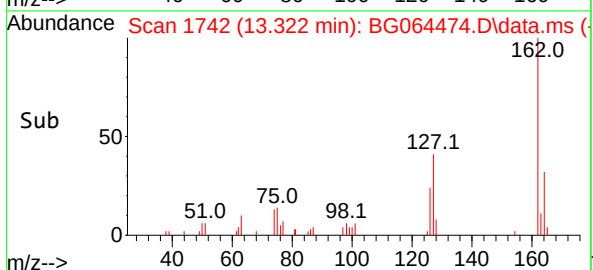
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

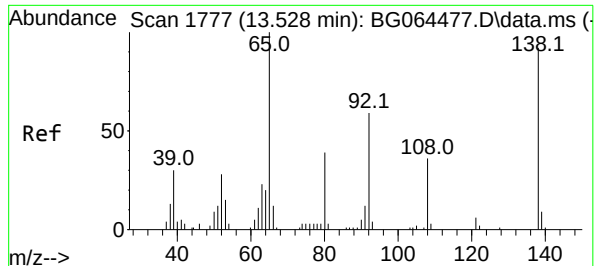


#47
2-Chloronaphthalene
Concen: 4.685 ng
RT: 13.322 min Scan# 1742
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42



Tgt Ion:162 Resp: 15278
Ion Ratio Lower Upper
162 100
127 40.9 35.8 53.8
164 32.5 27.2 40.8





#48

2-Nitroaniline

Concen: 4.107 ng

RT: 13.528 min Scan# 1777

Delta R.T. 0.002 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

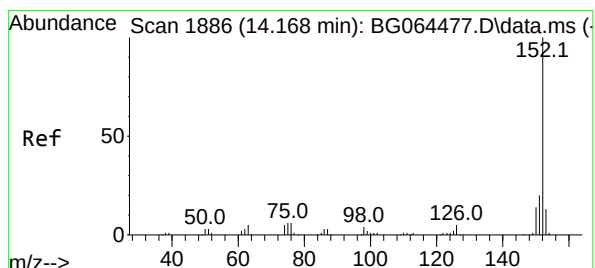
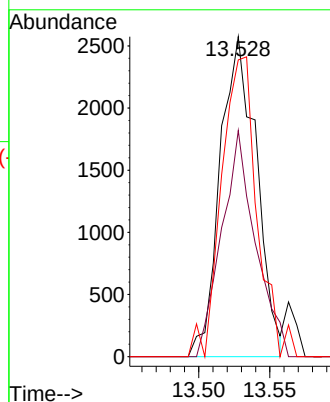
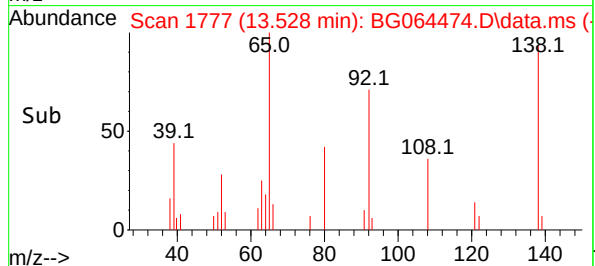
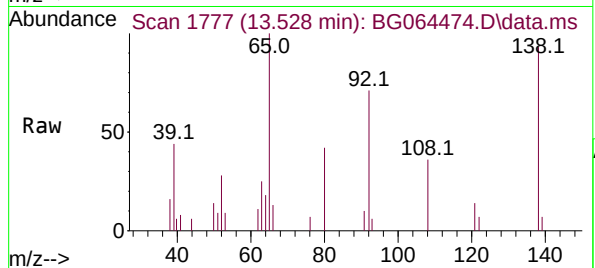
Tgt Ion:	65	Resp:	457
Ion	Ratio	Lower	Upper
65	100		
92	70.6	47.0	70.6
138	92.7	73.5	110.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#49

Acenaphthylene

Concen: 4.990 ng

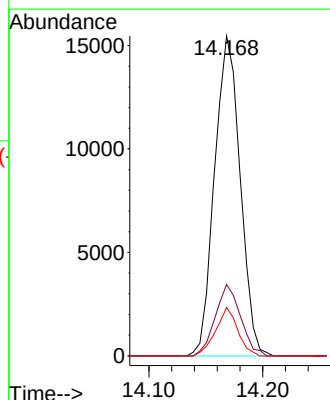
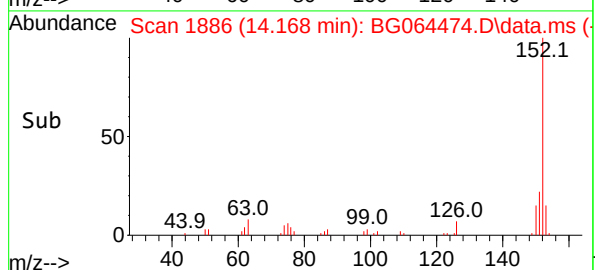
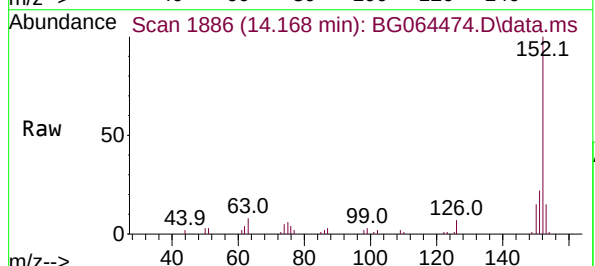
RT: 14.168 min Scan# 1886

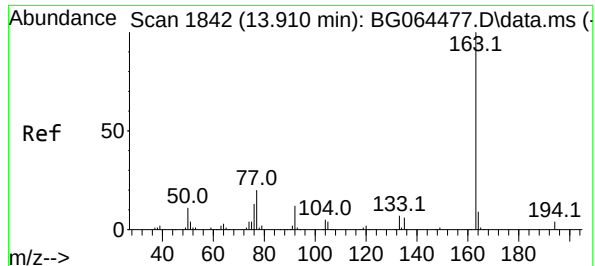
Delta R.T. -0.004 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

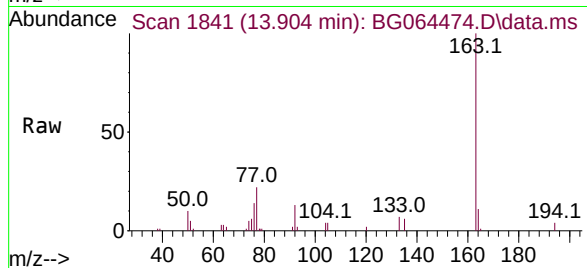
Tgt Ion:	152	Resp:	24156
Ion	Ratio	Lower	Upper
152	100		
151	22.3	15.8	23.6
153	15.1	10.6	15.8





#50
Dimethylphthalate
Concen: 4.992 ng
RT: 13.904 min Scan# 1842
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

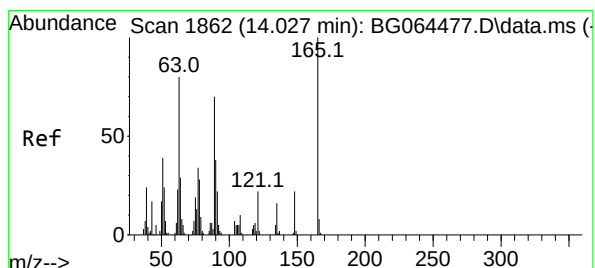
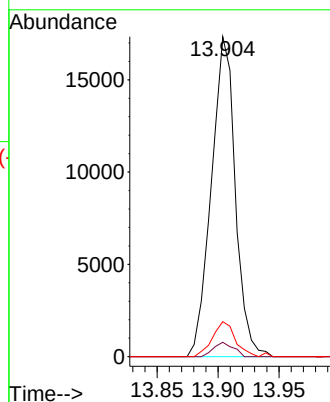
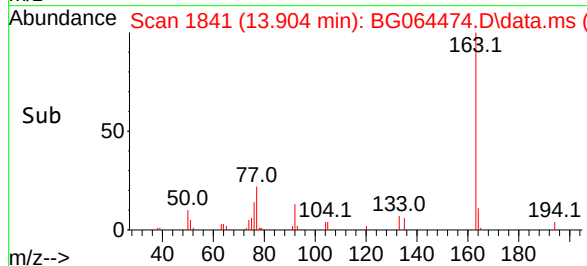
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:163 Resp: 23745
Ion Ratio Lower Upper
163 100
194 4.5 2.9 4.3
164 10.9 7.4 11.0

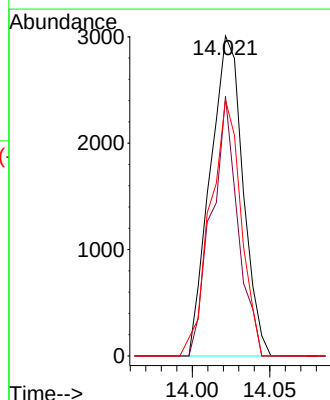
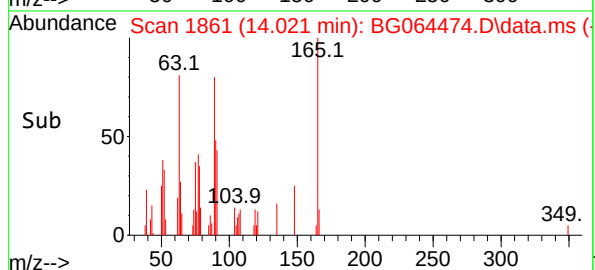
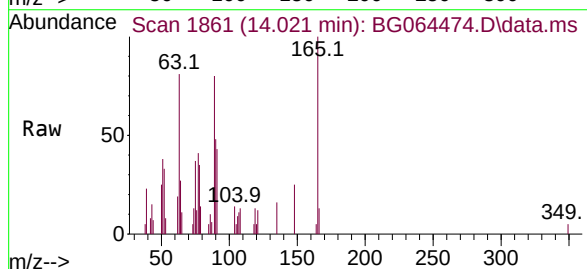
Manual Integrations
APPROVED

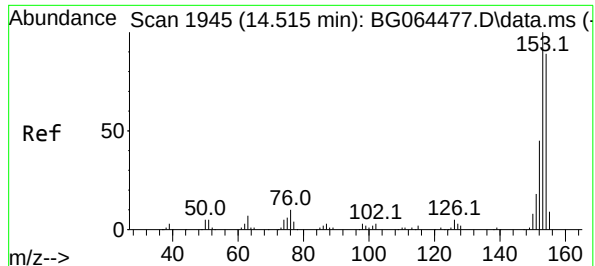
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#51
2,6-Dinitrotoluene
Concen: 4.470 ng
RT: 14.021 min Scan# 1861
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

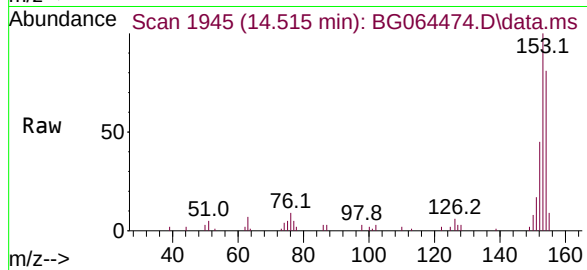
Tgt Ion:165 Resp: 4429
Ion Ratio Lower Upper
165 100
63 81.1 63.9 95.9
89 80.0 56.1 84.1





#52
Acenaphthene
Concen: 5.000 ng
RT: 14.515 min Scan# 1945
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

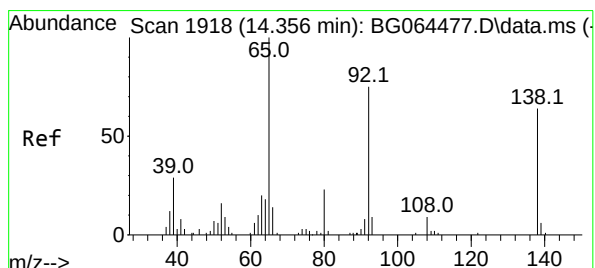
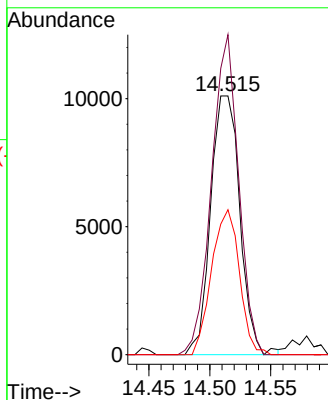
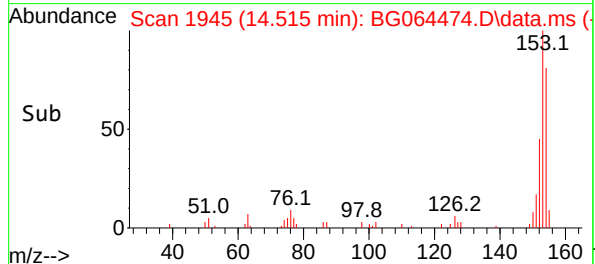
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



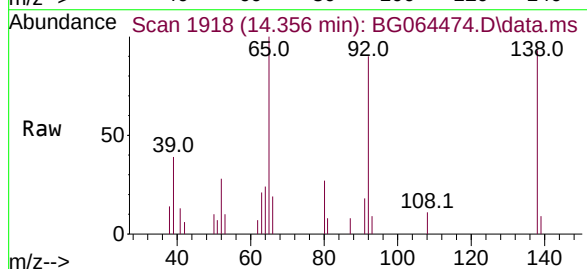
Tgt Ion:154 Resp: 16816
Ion Ratio Lower Upper
154 100
153 123.7 90.2 135.4
152 56.0 40.2 60.4

Manual Integrations
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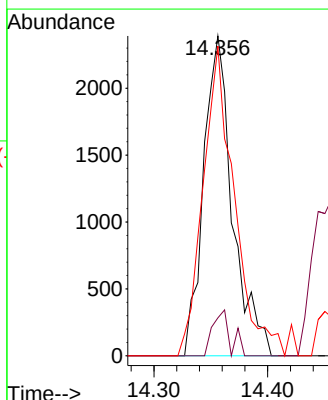
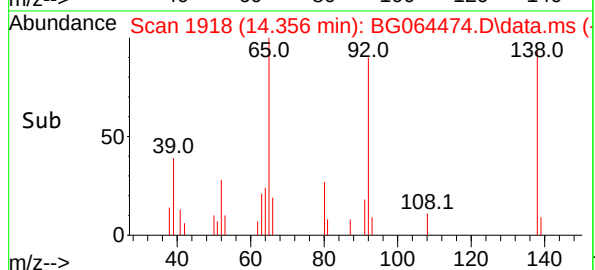
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

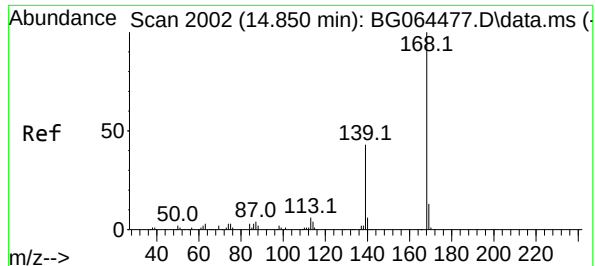


#53
3-Nitroaniline
Concen: 4.630 ng
RT: 14.356 min Scan# 1918
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42



Tgt Ion:138 Resp: 4231
Ion Ratio Lower Upper
138 100
108 11.9 10.6 15.8
92 96.8 93.2 139.8





#55

Dibenzenofuran

Concen: 5.022 ng

RT: 14.850 min Scan# 2002

Delta R.T. 0.002 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Tgt Ion:168 Resp: 2788

Ion Ratio Lower Upper

168 100

139 39.1 34.0 51.0

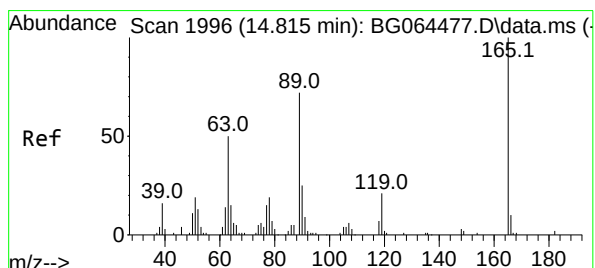
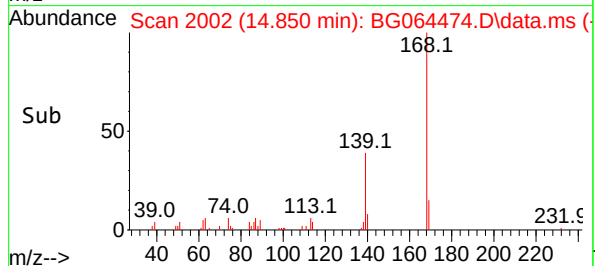
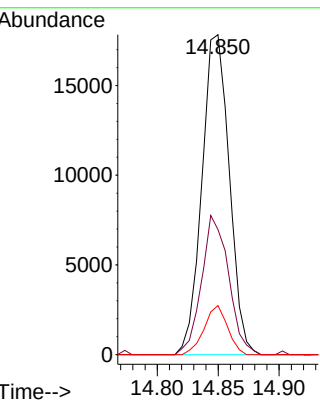
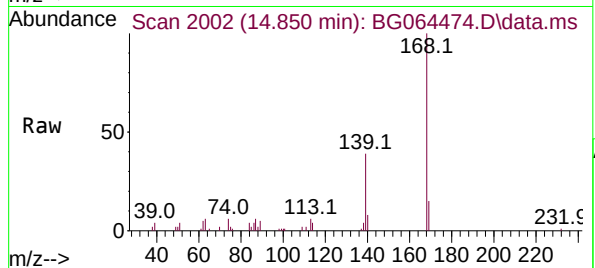
169 15.3 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#57

2,4-Dinitrotoluene

Concen: 4.826 ng

RT: 14.809 min Scan# 1995

Delta R.T. -0.004 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

Tgt Ion:165 Resp: 7310

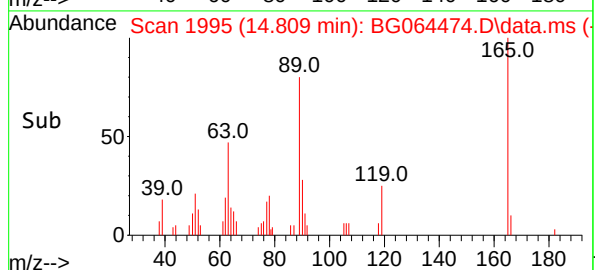
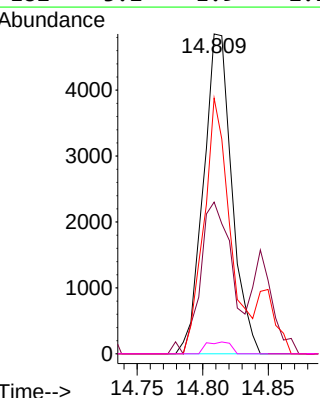
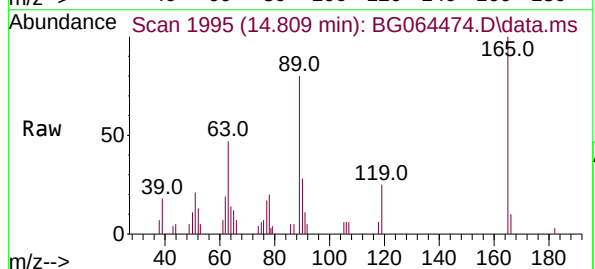
Ion Ratio Lower Upper

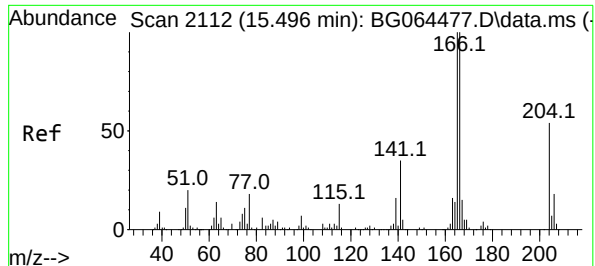
165 100

63 47.4 40.4 60.6

89 79.9 57.3 85.9

182 3.2 1.9 2.9





#58

Fluorene

Concen: 4.994 ng

RT: 15.496 min Scan# 2112

Delta R.T. 0.002 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Tgt Ion:166 Resp: 2305

Ion Ratio Lower Upper

166 100

165 92.3 79.8 119.6

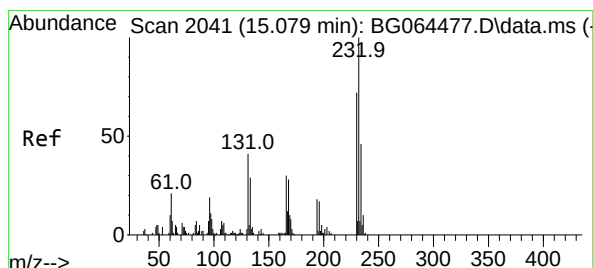
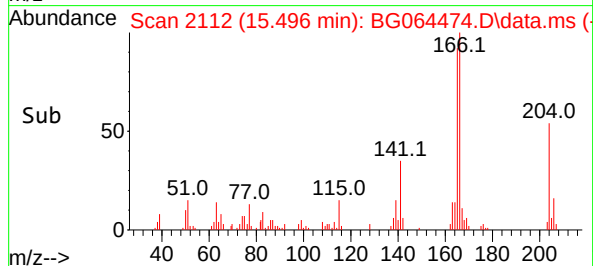
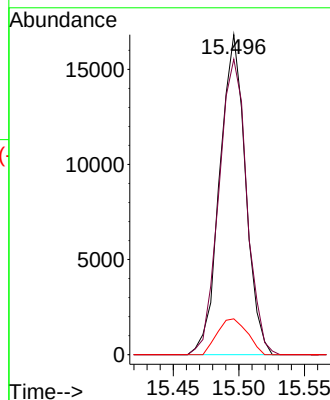
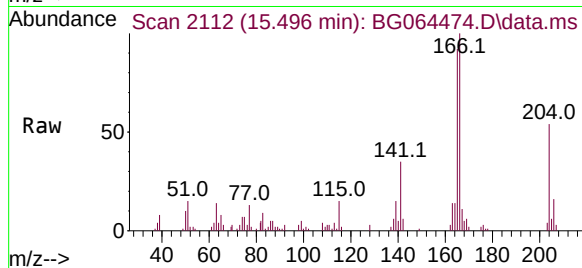
167 11.2 11.7 17.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.658 ng

RT: 15.073 min Scan# 2040

Delta R.T. 0.002 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

Tgt Ion:232 Resp: 6653

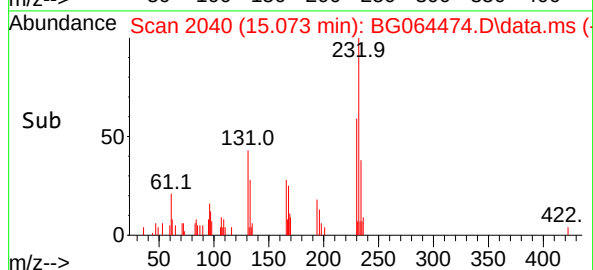
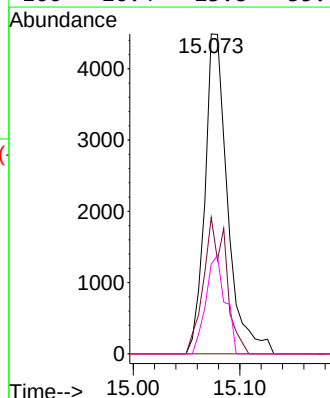
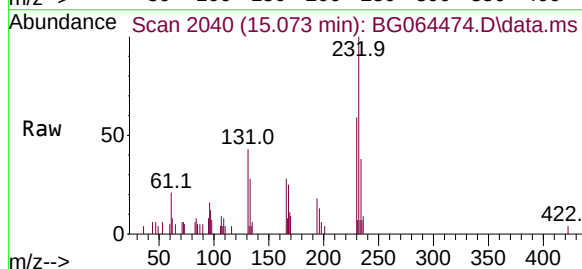
Ion Ratio Lower Upper

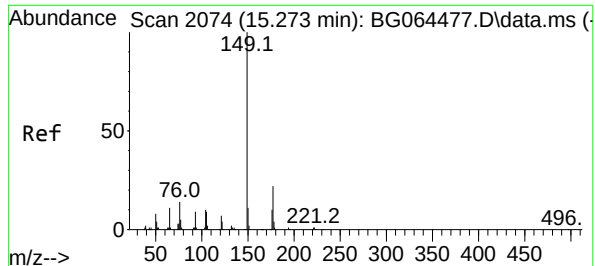
232 100

131 42.3 35.0 52.4

130 0.0 2.0 3.0#

166 26.4 23.8 35.6





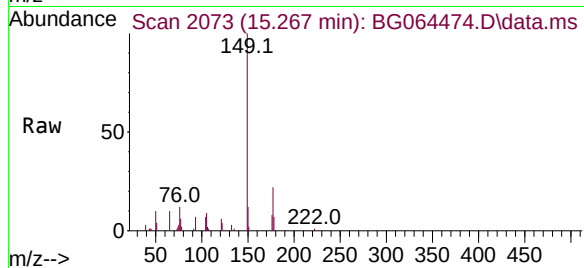
#60
Diethylphthalate
Concen: 5.198 ng
RT: 15.267 min Scan# 2073
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

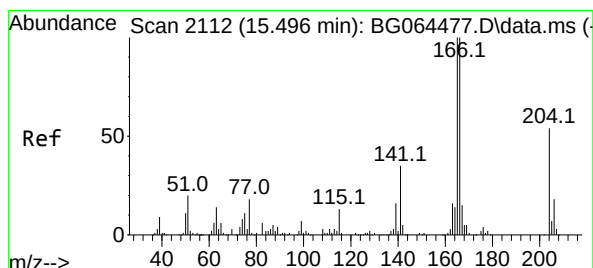
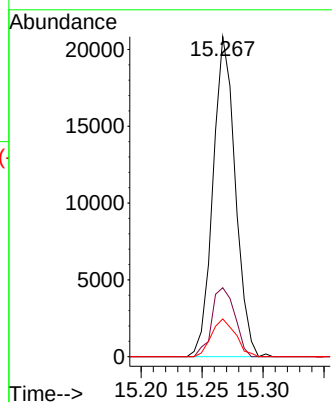
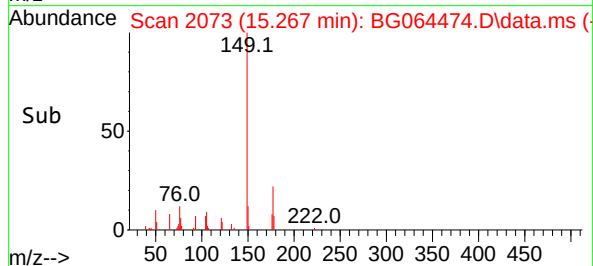


Tgt Ion:149 Resp: 26525
Ion Ratio Lower Upper
149 100
177 21.5 17.4 26.0
150 11.8 9.1 13.7

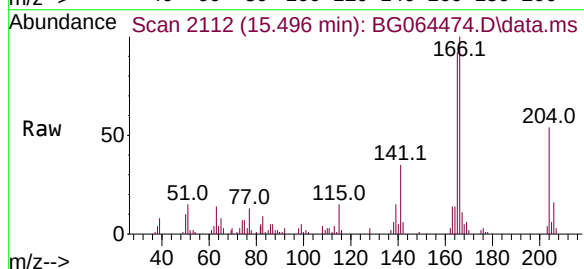
Manual Integrations

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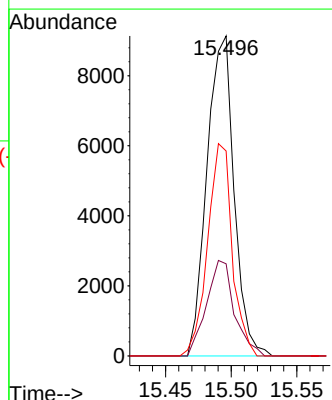
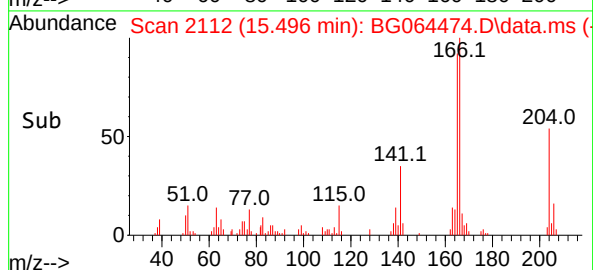
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

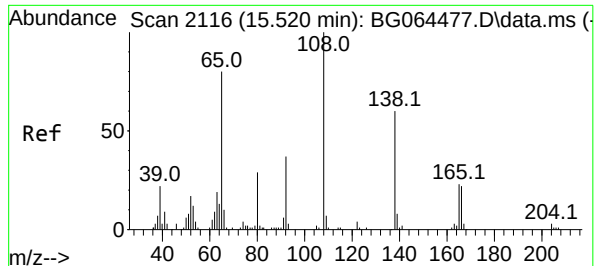


#61
4-Chlorophenyl-phenylether
Concen: 5.215 ng
RT: 15.496 min Scan# 2112
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42



Tgt Ion:204 Resp: 13144
Ion Ratio Lower Upper
204 100
206 28.8 27.1 40.7
141 64.0 51.5 77.3





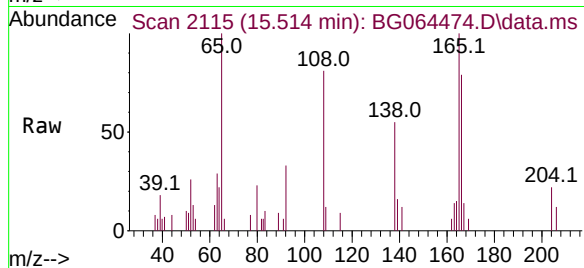
#62
4-Nitroaniline
Concen: 3.655 ng
RT: 15.514 min Scan# 2115
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

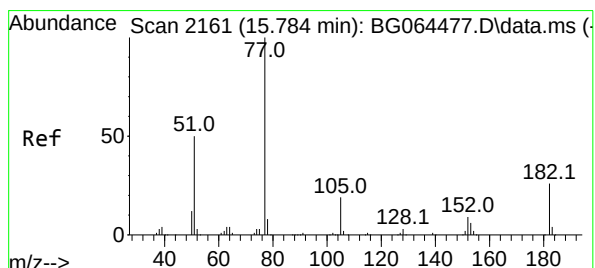
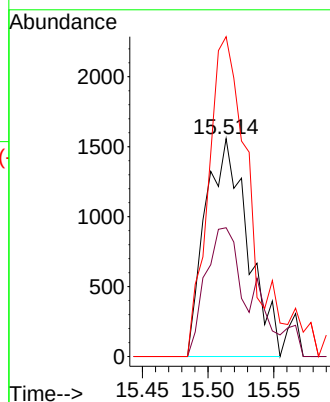
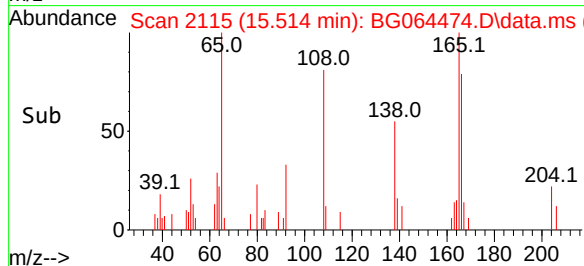


Tgt Ion:138 Resp: 348
Ion Ratio Lower Upper
138 100
92 59.1 42.3 82.3
108 146.8 147.7 187.7

Manual Integrations

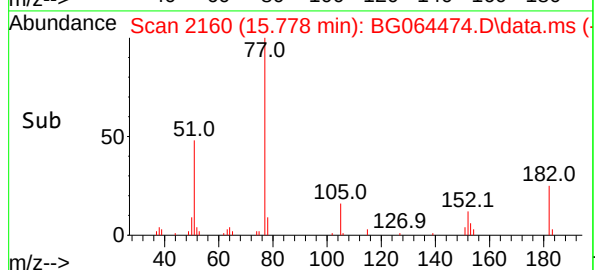
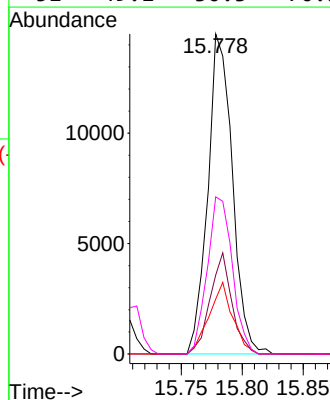
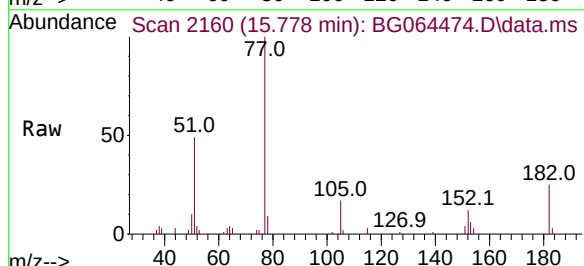
APPROVED

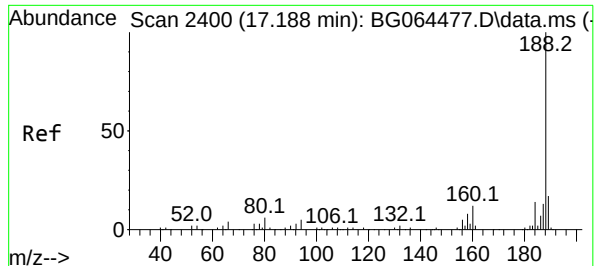
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#63
Azobenzene
Concen: 5.144 ng
RT: 15.778 min Scan# 2160
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

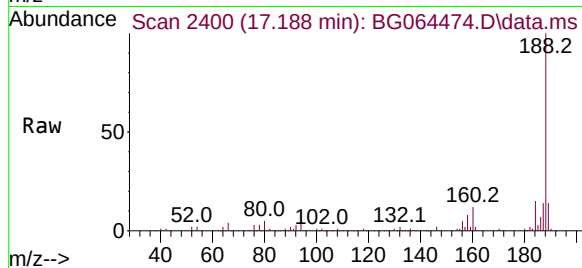
Tgt Ion: 77 Resp: 20327
Ion Ratio Lower Upper
77 100
182 24.6 6.3 46.3
105 17.1 0.0 38.7
51 49.1 30.3 70.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 2400
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

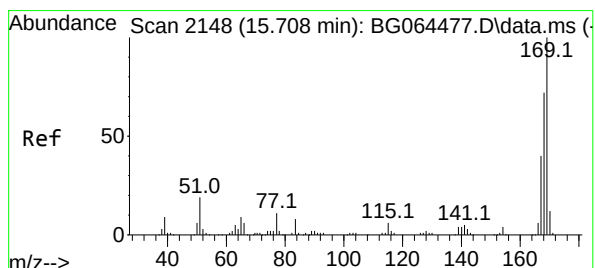
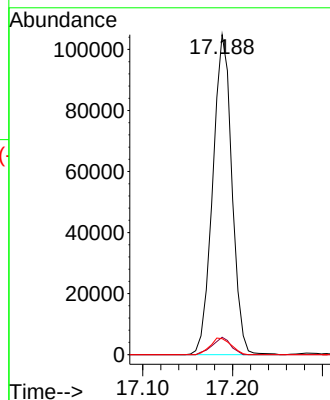
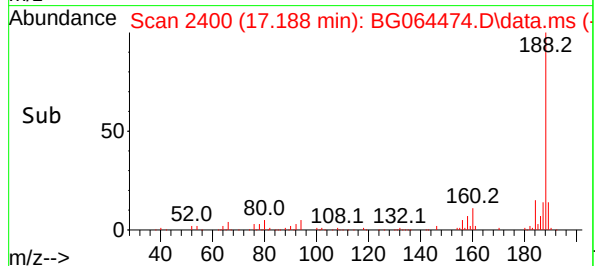
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:188 Resp: 155342
Ion Ratio Lower Upper
188 100
94 5.4 3.7 5.5
80 5.0 4.5 6.7

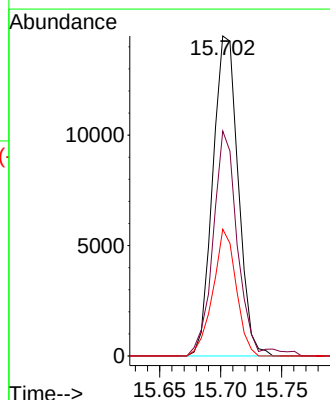
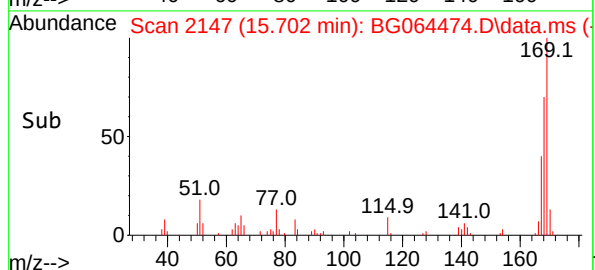
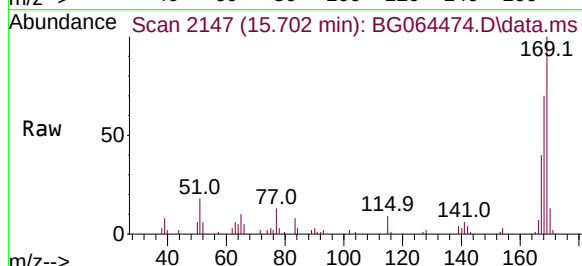
Manual Integrations
APPROVED

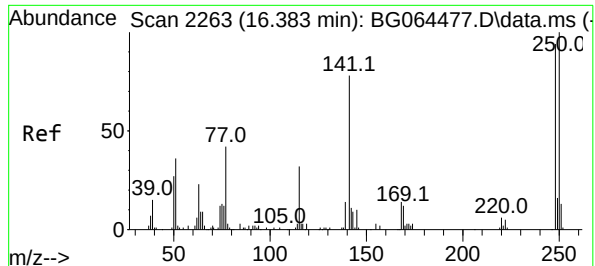
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#66
n-Nitrosodiphenylamine
Concen: 5.053 ng
RT: 15.702 min Scan# 2147
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

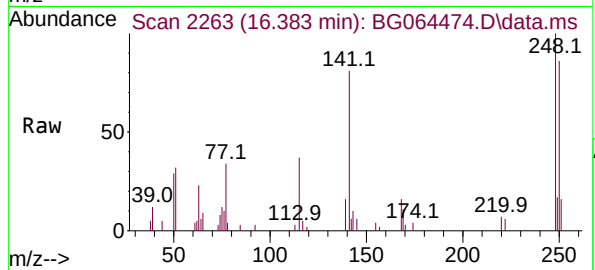
Tgt Ion:169 Resp: 20960
Ion Ratio Lower Upper
169 100
168 70.3 57.8 86.6
167 39.6 31.7 47.5





#67
4-Bromophenyl-phenylether
Concen: 5.002 ng
RT: 16.383 min Scan# 2263
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

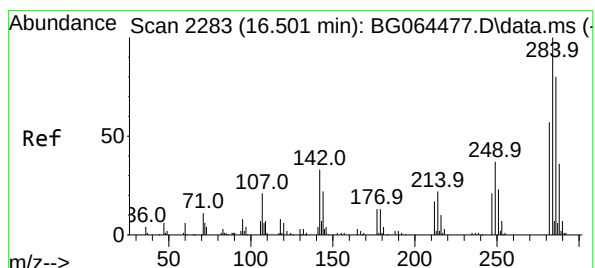
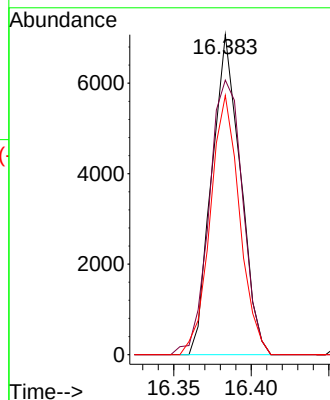
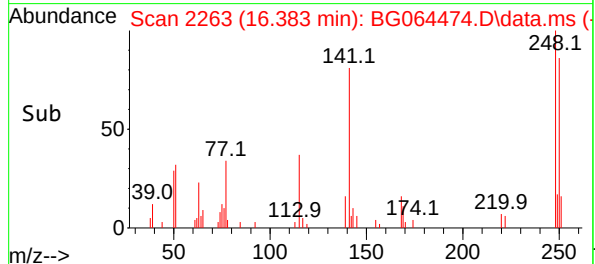
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



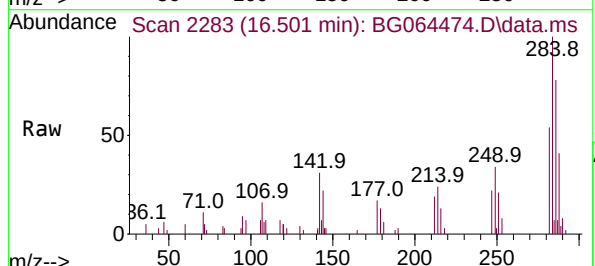
Tgt Ion:248 Resp: 9144
Ion Ratio Lower Upper
248 100
250 85.8 85.3 127.9
141 81.0 66.2 99.2

Manual Integrations
APPROVED

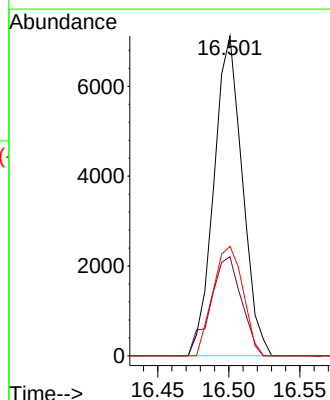
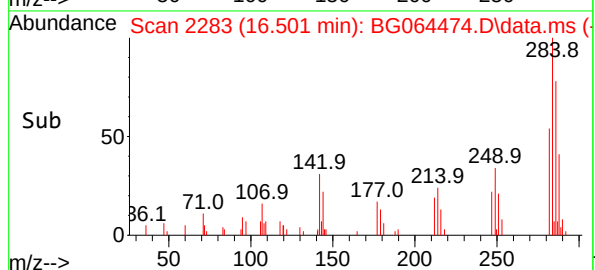
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

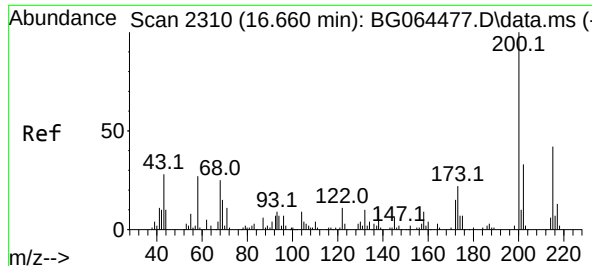


#68
Hexachlorobenzene
Concen: 4.747 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42



Tgt Ion:284 Resp: 9929
Ion Ratio Lower Upper
284 100
142 31.0 26.2 39.2
249 36.8 29.4 44.0





#69
Atrazine
Concen: 4.979 ng
RT: 16.654 min Scan# 2310
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

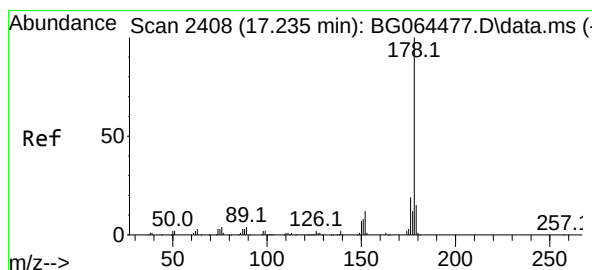
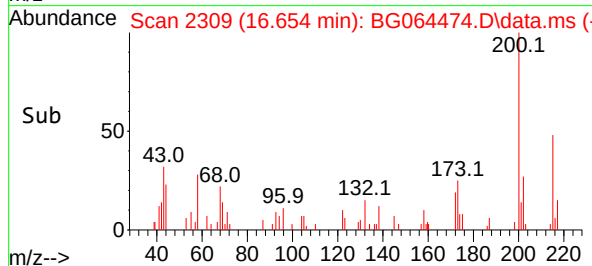
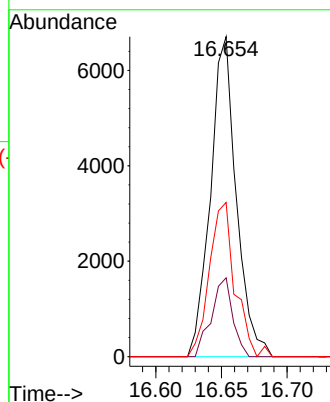
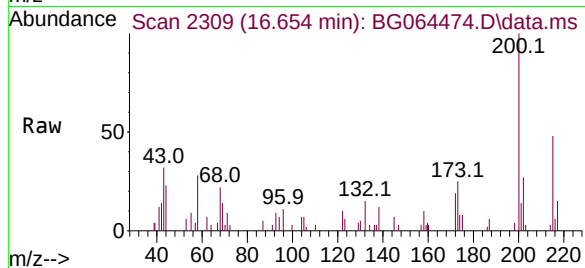
SSTDICC005

Tgt Ion:200 Resp: 9189
Ion Ratio Lower Upper
200 100
173 24.6 2.5 42.5
215 48.2 21.5 61.5

Manual Integrations

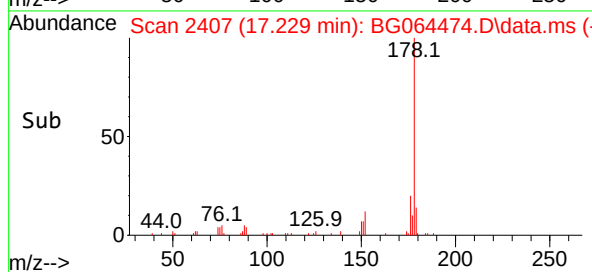
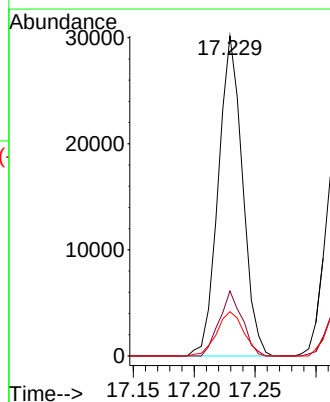
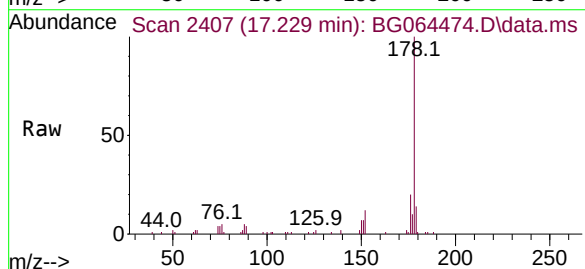
APPROVED

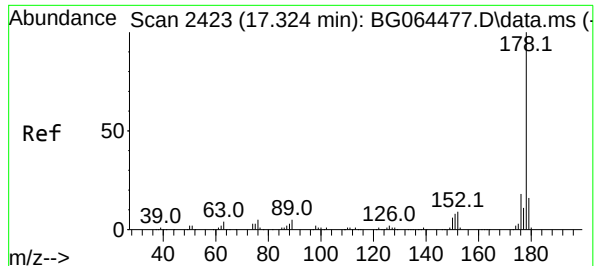
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#71
Phenanthrene
Concen: 5.126 ng
RT: 17.229 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

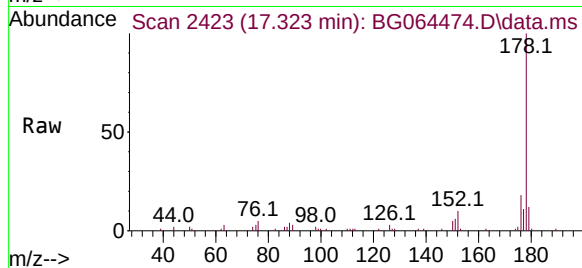
Tgt Ion:178 Resp: 41639
Ion Ratio Lower Upper
178 100
176 20.3 15.2 22.8
179 13.8 11.8 17.6





#72
Anthracene
Concen: 4.978 ng m
RT: 17.323 min Scan# 2423
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

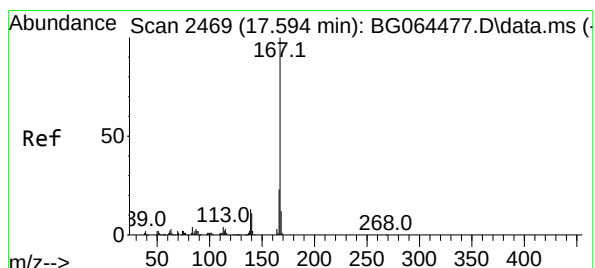
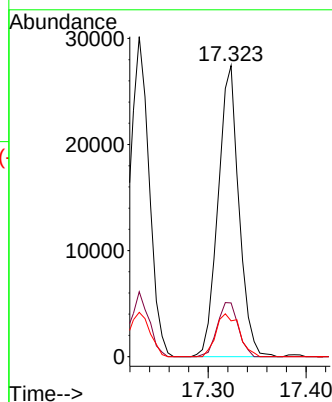
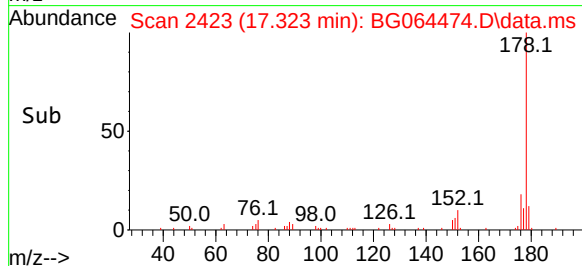
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:178 Resp: 40568
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 12.3 12.5 18.7

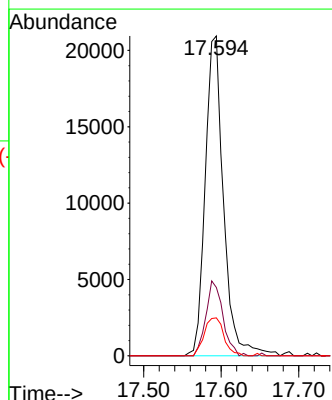
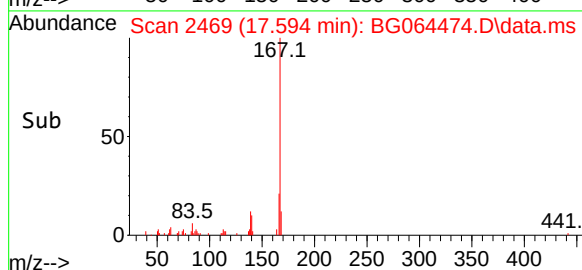
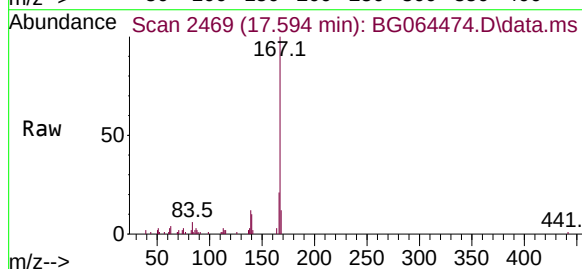
Manual Integrations
APPROVED

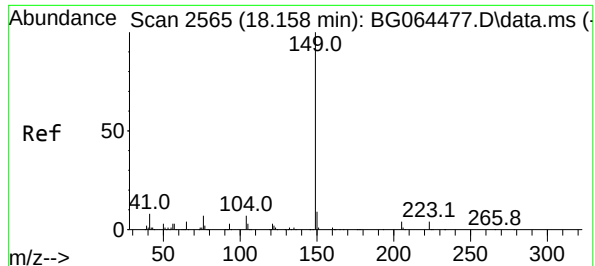
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#73
Carbazole
Concen: 4.870 ng
RT: 17.594 min Scan# 2469
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

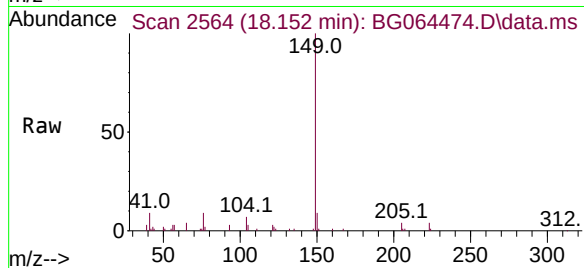
Tgt Ion:167 Resp: 34305
Ion Ratio Lower Upper
167 100
166 21.4 18.6 27.8
139 11.9 10.2 15.4





#74
Di-n-butylphthalate
Concen: 4.950 ng
RT: 18.152 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

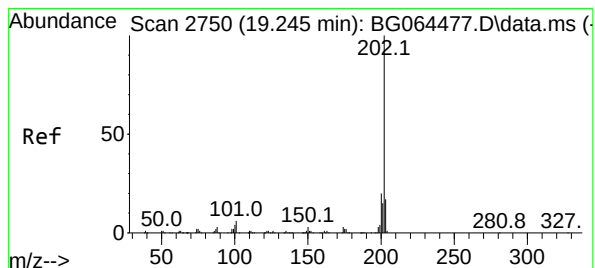
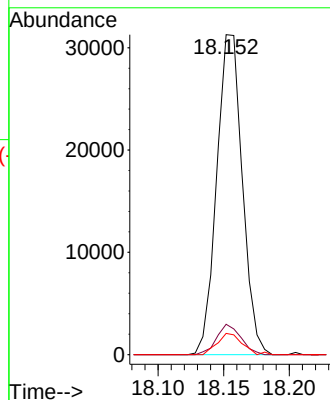
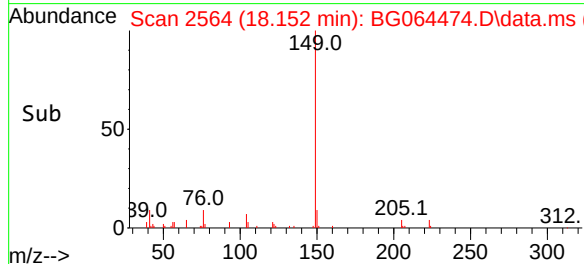
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:149 Resp: 42564
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.2
104 6.6 5.3 7.9

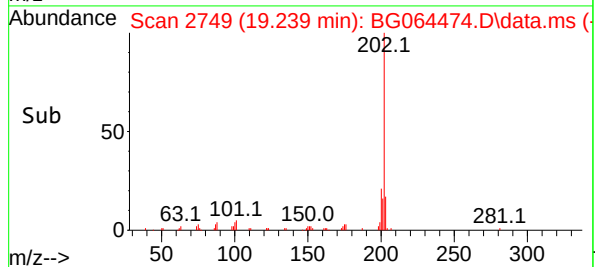
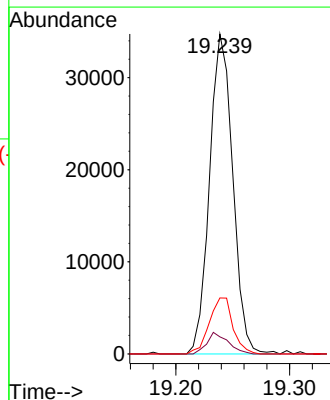
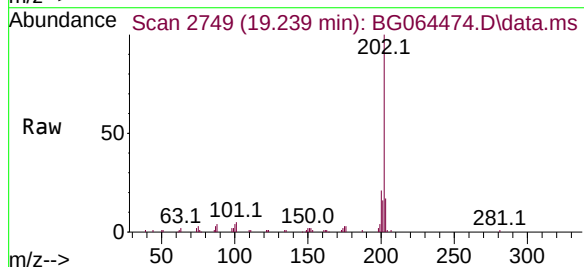
Manual Integrations
APPROVED

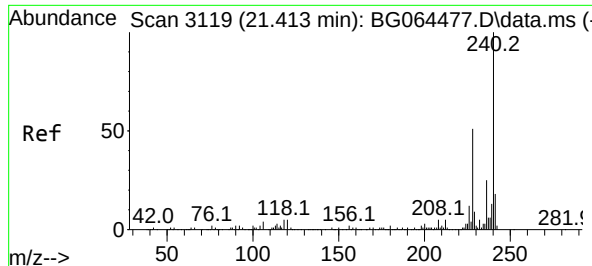
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#75
Fluoranthene
Concen: 5.080 ng
RT: 19.239 min Scan# 2749
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

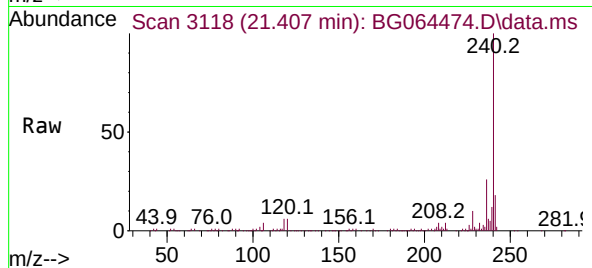
Tgt Ion:202 Resp: 49301
Ion Ratio Lower Upper
202 100
101 5.3 0.0 25.7
203 17.5 0.0 36.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.407 min Scan# 3119
Delta R.T. -0.003 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

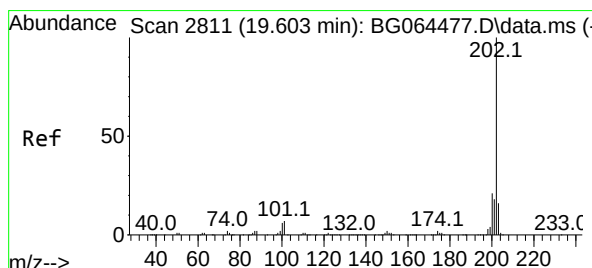
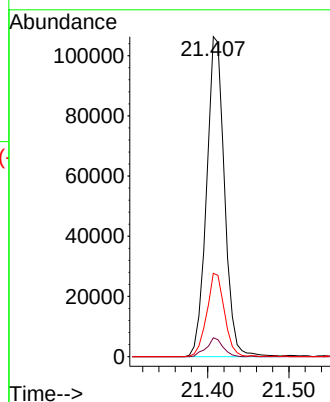
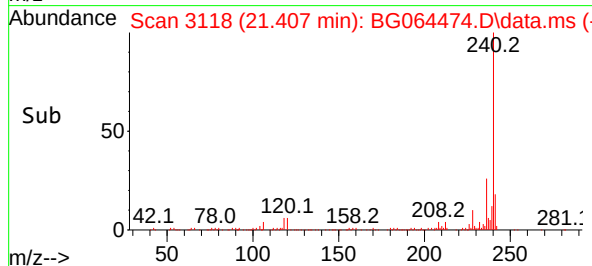
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:240 Resp: 162684
Ion Ratio Lower Upper
240 100
120 5.9 4.3 6.5
236 26.0 20.4 30.6

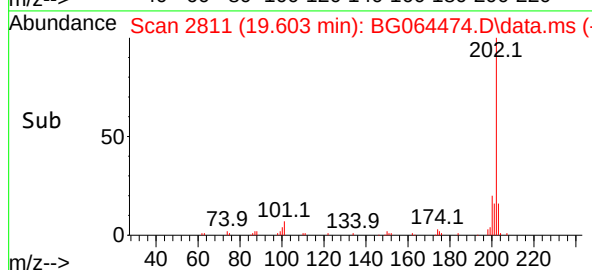
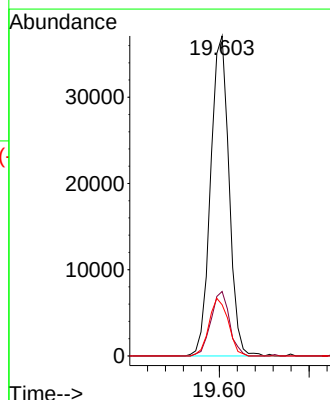
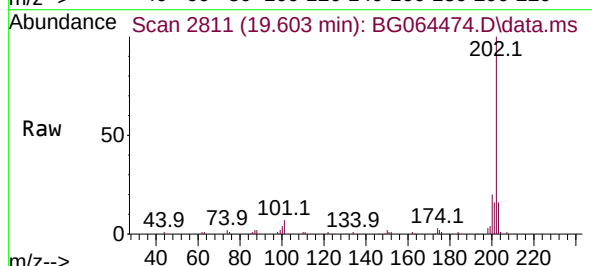
Manual Integrations
APPROVED

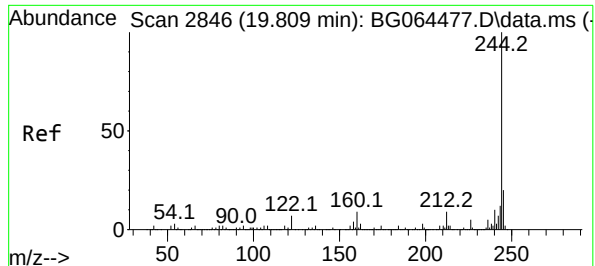
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#78
Pyrene
Concen: 4.989 ng
RT: 19.603 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

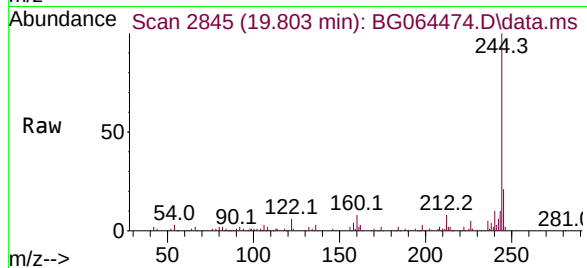
Tgt Ion:202 Resp: 52677
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.4
203 16.0 13.0 19.4





#79
Terphenyl-d14
Concen: 10.093 ng
RT: 19.803 min Scan# 2846
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

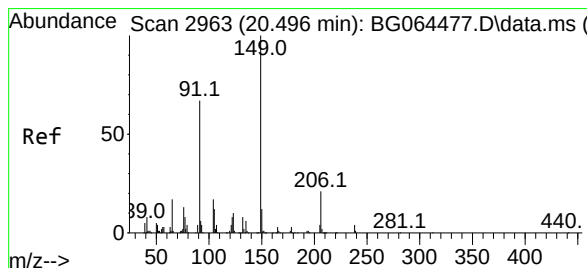
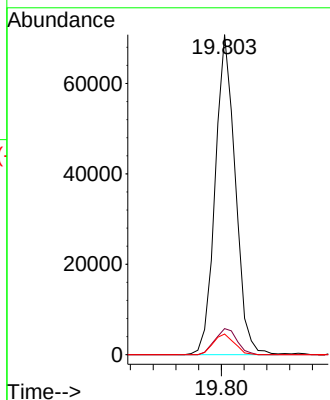
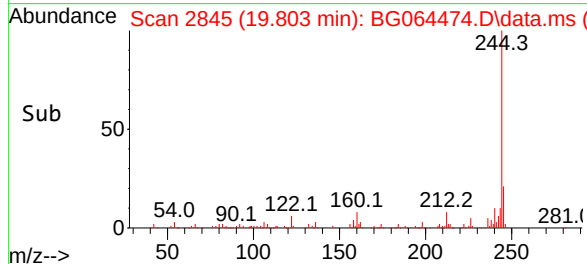
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:244 Resp: 86764
Ion Ratio Lower Upper
244 100
212 8.1 7.0 10.6
122 6.4 5.6 8.4

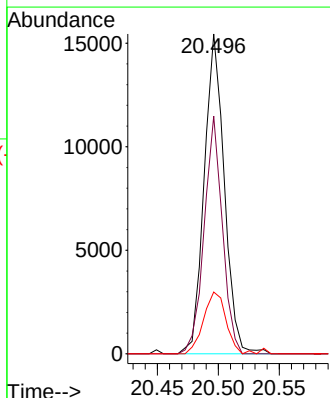
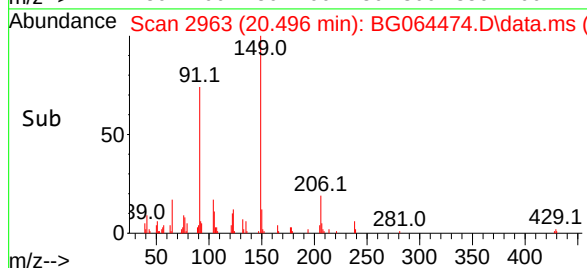
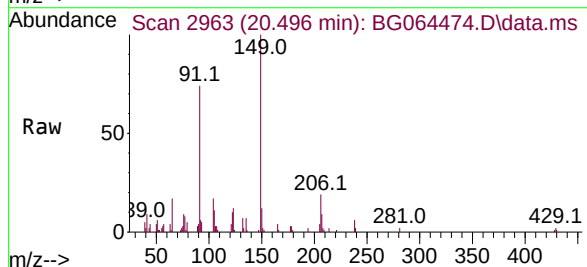
Manual Integrations
APPROVED

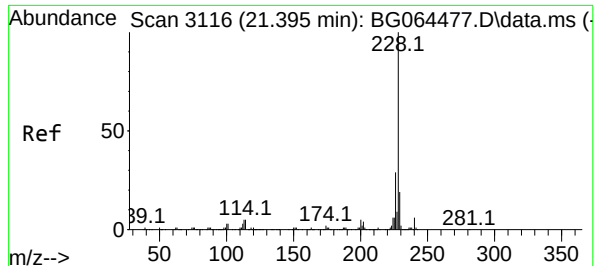
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#80
Butylbenzylphthalate
Concen: 4.749 ng
RT: 20.496 min Scan# 2963
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

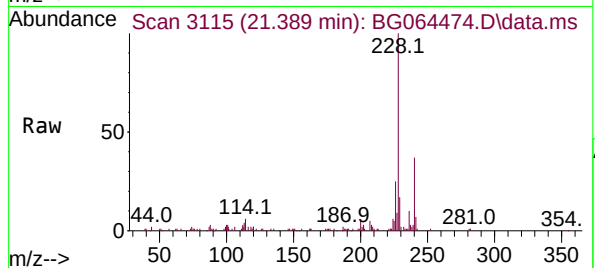
Tgt Ion:149 Resp: 17773
Ion Ratio Lower Upper
149 100
91 74.3 53.7 80.5
206 19.3 16.6 24.8





#81
Benzo(a)anthracene
Concen: 5.012 ng
RT: 21.389 min Scan# 3115
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

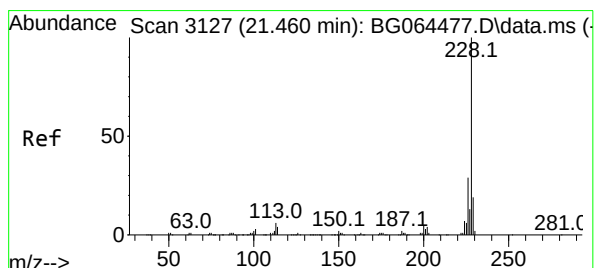
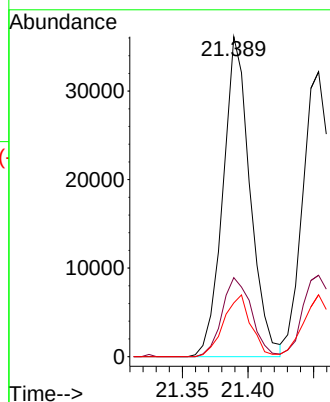
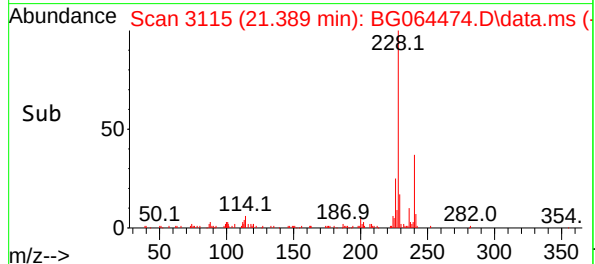
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:228 Resp: 52066
Ion Ratio Lower Upper
228 100
226 24.7 22.8 34.2
229 16.8 15.2 22.8

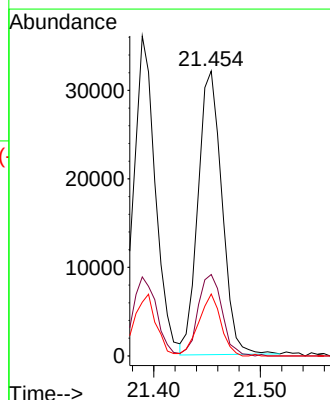
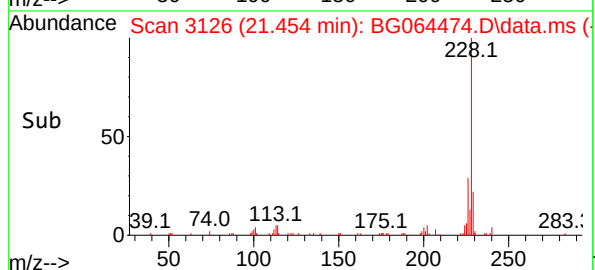
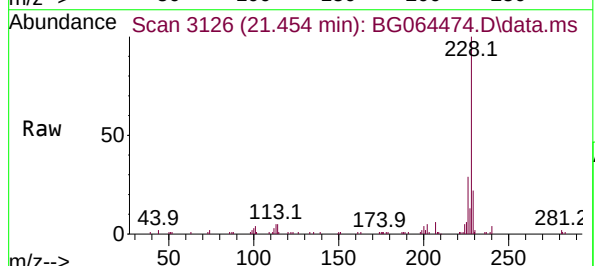
Manual Integrations
APPROVED

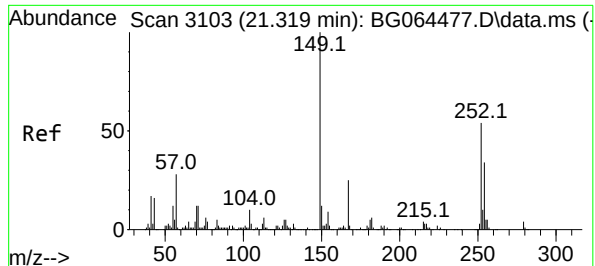
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#83
Chrysene
Concen: 5.060 ng
RT: 21.454 min Scan# 3126
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

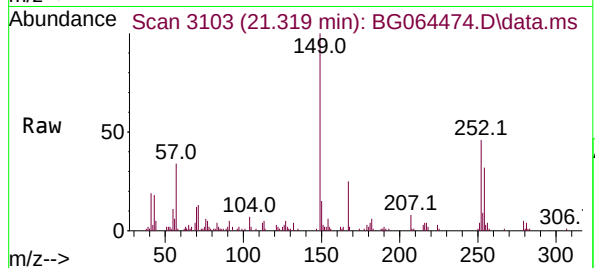
Tgt Ion:228 Resp: 49843
Ion Ratio Lower Upper
228 100
226 28.6 22.8 34.2
229 21.7 15.4 23.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.662 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

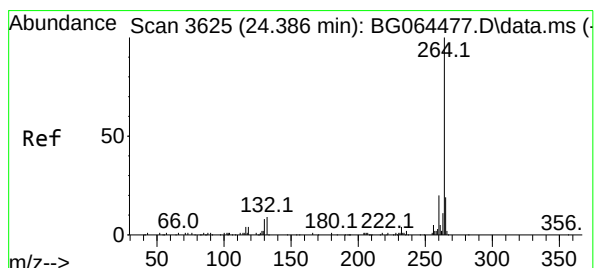
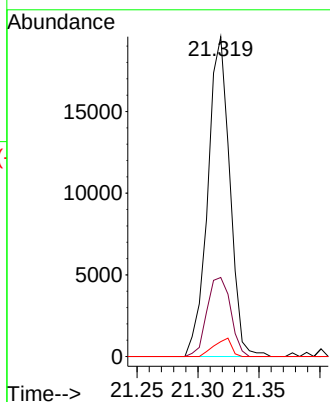
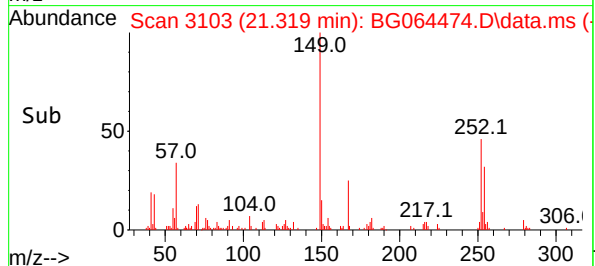
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:149 Resp: 24616
Ion Ratio Lower Upper
149 100
167 24.7 19.7 29.5
279 4.7 3.4 5.2

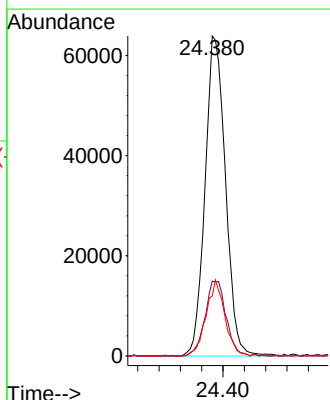
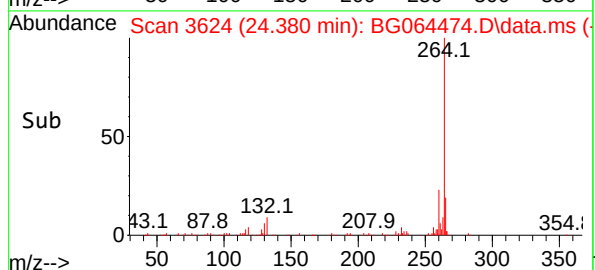
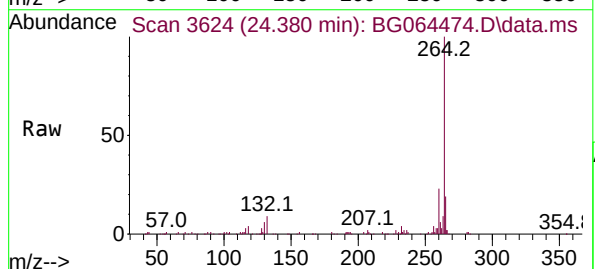
Manual Integrations
APPROVED

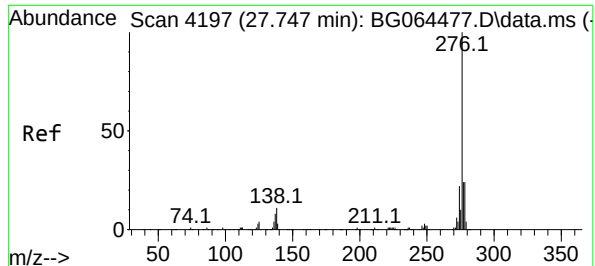
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 3624
Delta R.T. -0.009 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

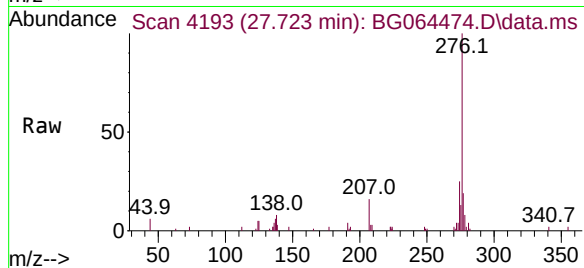
Tgt Ion:264 Resp: 169977
Ion Ratio Lower Upper
264 100
260 23.4 16.2 24.4
265 18.8 15.0 22.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.912 ng
RT: 27.723 min Scan# 4197
Delta R.T. -0.009 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

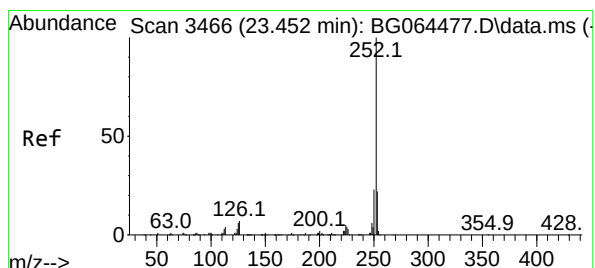
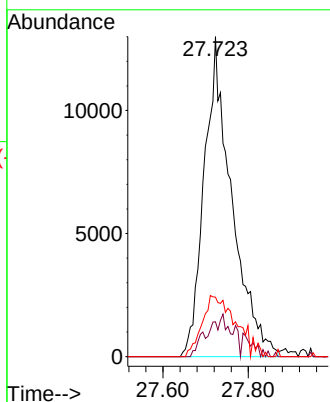
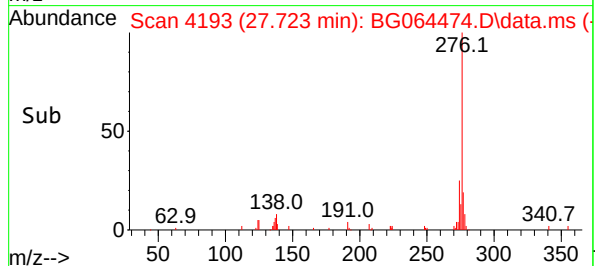
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:276 Resp: 58114
Ion Ratio Lower Upper
276 100
138 3.5 10.8 16.2
277 23.6 20.3 30.5

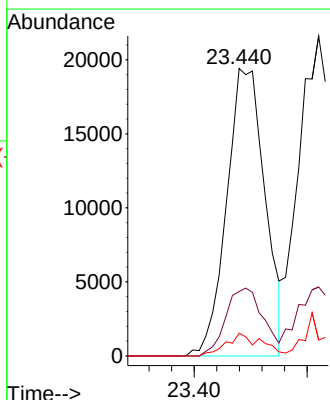
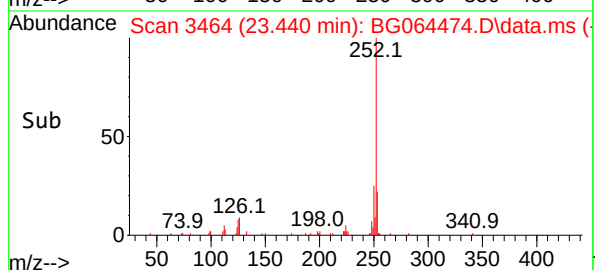
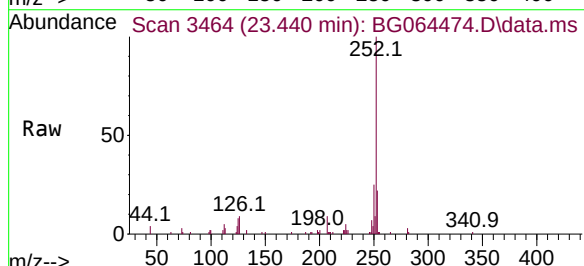
Manual Integrations
APPROVED

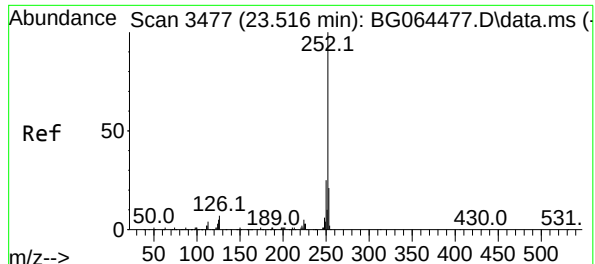
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#88
Benzo(b)fluoranthene
Concen: 4.734 ng m
RT: 23.440 min Scan# 3464
Delta R.T. -0.009 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:252 Resp: 45779
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 7.9 4.5 6.7#





#89

Benzo(k)fluoranthene

Concen: 4.970 ng

RT: 23.510 min Scan# 34

Delta R.T. 0.002 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

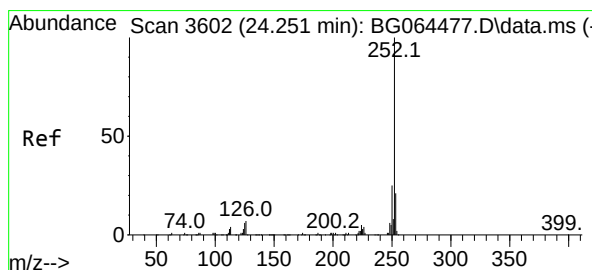
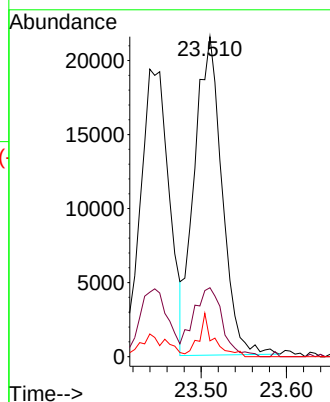
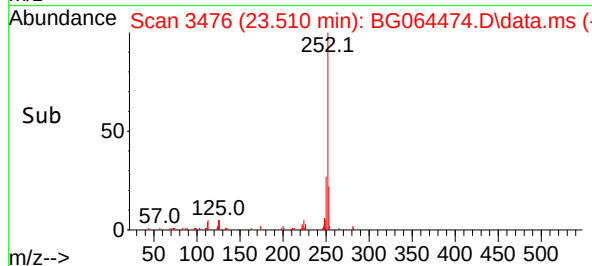
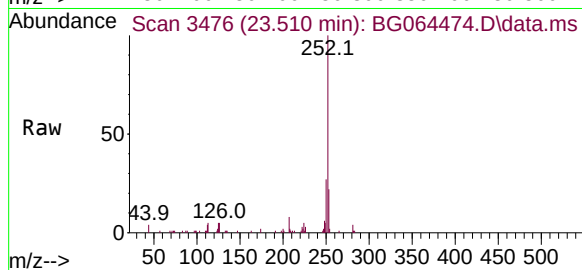
Tgt Ion:	252	Resp:	48402
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.4	26.2
125	4.9	4.0	6.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#90

Benzo(a)pyrene

Concen: 4.849 ng

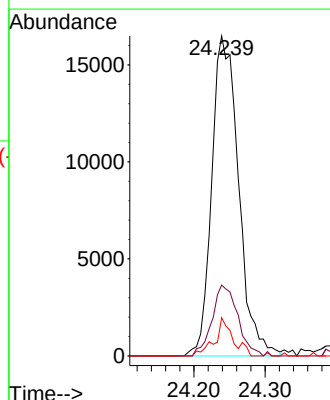
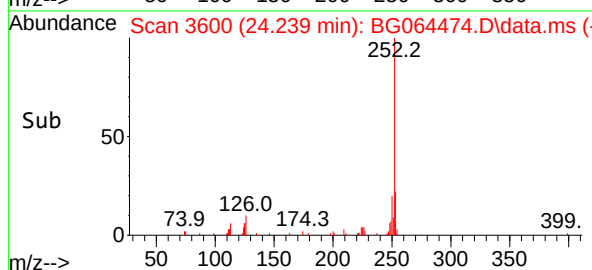
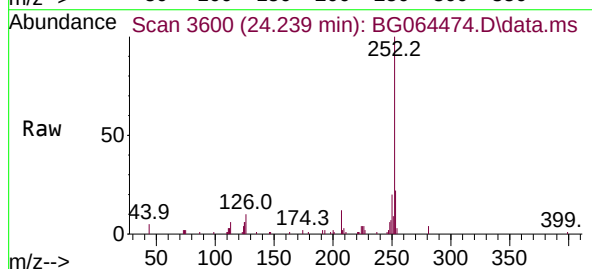
RT: 24.239 min Scan# 3600

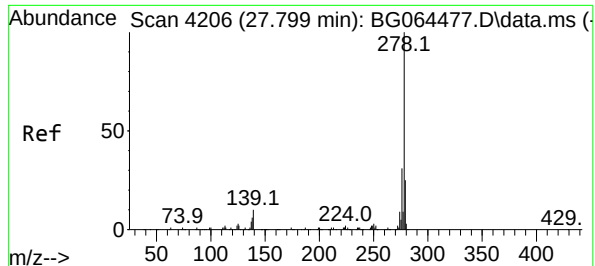
Delta R.T. -0.009 min

Lab File: BG064474.D

Acq: 2 Oct 2025 9:42

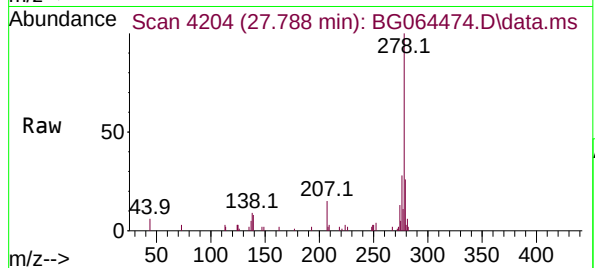
Tgt Ion:	252	Resp:	43216
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.1	25.7
125	11.9	4.6	6.8#





#91
Dibenzo(a,h)anthracene
Concen: 4.703 ng
RT: 27.788 min Scan# 41
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

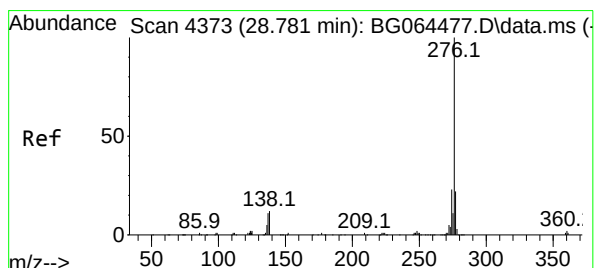
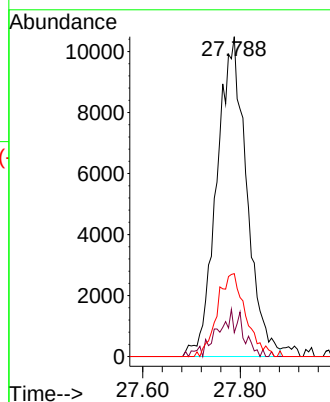
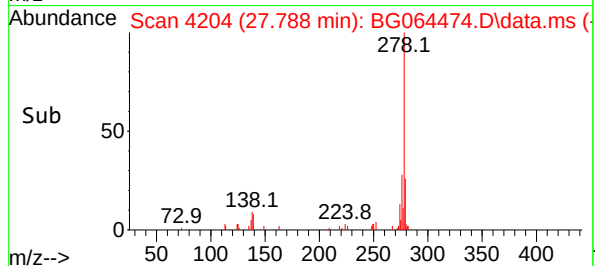
Instrument :
BNA_G
ClientSampleId :
SSTDICC005



Tgt Ion:278 Resp: 4449
Ion Ratio Lower Upper
278 100
139 7.5 8.2 12.2
279 25.9 19.6 29.4

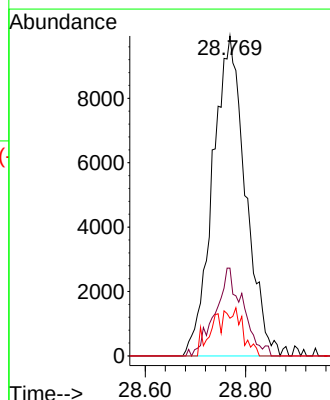
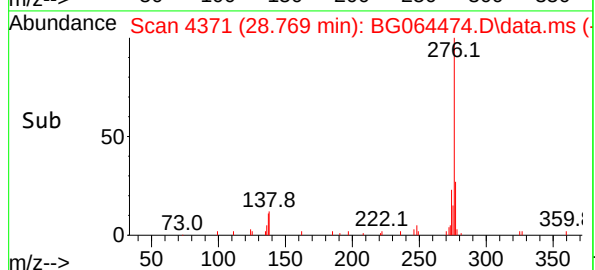
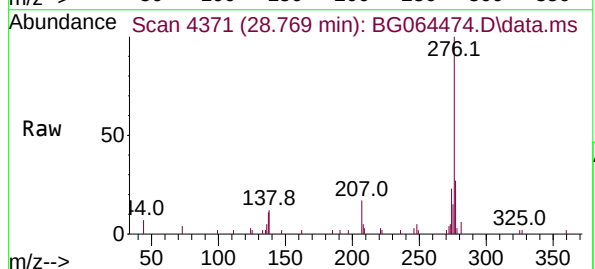
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 4.896 ng
RT: 28.769 min Scan# 4371
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:276 Resp: 45019
Ion Ratio Lower Upper
276 100
277 27.4 17.8 26.6
138 11.8 9.4 14.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064476.D
 Acq On : 2 Oct 2025 11:33
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Oct 02 16:52:47 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							10/03/2025
1) 1,4-Dichlorobenzene-d4	7.829	152	19357	20.000	ng	# 0.00	Supervised By :Jagrut padhyay
21) Naphthalene-d8	10.608	136	83888	20.000	ng	# 0.00	
39) Acenaphthene-d10	14.451	164	65289	20.000	ng	0.00	
64) Phenanthrene-d10	17.189	188	165571	20.000	ng	0.00	
76) Chrysene-d12	21.413	240	165934	20.000	ng	0.00	
86) Perylene-d12	24.392	264	174482	20.000	ng	0.00	10/03/2025
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	40783	38.992	ng	0.00	
7) Phenol-d6	6.995	99	55968	39.819	ng	0.00	
23) Nitrobenzene-d5	8.975	82	63357	40.610	ng	0.00	
42) 2,4,6-Tribromophenol	15.937	330	47936	40.505	ng	0.00	
45) 2-Fluorobiphenyl	13.070	172	175754	39.679	ng	0.00	
79) Terphenyl-d14	19.803	244	354811	40.467	ng	0.00	
Target Compounds							Qvalue
2) 1,4-Dioxane	3.328	88	8654	20.918	ng		88
3) Pyridine	3.716	79	22205	19.971	ng		94
4) n-Nitrosodimethylamine	3.634	42	15299	18.981	ng	#	92
6) Aniline	7.147	93	35362	19.945	ng		95
8) 2-Chlorophenol	7.388	128	25393	19.771	ng		94
9) Benzaldehyde	6.959	77	20107m	16.115	ng		
10) Phenol	7.018	94	29612	19.971	ng		96
11) bis(2-Chloroethyl)ether	7.247	93	19393	19.313	ng		87
12) 1,3-Dichlorobenzene	7.711	146	27013	19.226	ng		92
13) 1,4-Dichlorobenzene	7.858	146	28112	19.936	ng		90
14) 1,2-Dichlorobenzene	8.170	146	27767	19.980	ng		96
15) Benzyl Alcohol	8.058	79	25165	19.441	ng		89
16) 2,2'-oxybis(1-Chloropr...	8.340	45	32082	19.821	ng		99
17) 2-Methylphenol	8.264	107	21032	19.589	ng		91
18) Hexachloroethane	8.904	117	10342	18.581	ng		93
19) n-Nitroso-di-n-propyla...	8.622	70	19471	20.713	ng		93
20) 3+4-Methylphenols	8.593	107	29225	19.505	ng		94
22) Acetophenone	8.640	105	39987	19.687	ng	#	91
24) Nitrobenzene	9.016	77	29530	18.981	ng		96
25) Isophorone	9.539	82	56538	20.004	ng		98
26) 2-Nitrophenol	9.727	139	15208	19.641	ng		86
27) 2,4-Dimethylphenol	9.786	122	23391	19.778	ng		91
28) bis(2-Chloroethoxy)met...	10.021	93	30279	21.017	ng	#	92
29) 2,4-Dichlorophenol	10.261	162	26929	19.691	ng		97
30) 1,2,4-Trichlorobenzene	10.473	180	30204	20.255	ng		99
31) Naphthalene	10.661	128	84975	19.671	ng		98
32) Benzoic acid	9.909	122	16621m	18.305	ng		
33) 4-Chloroaniline	10.773	127	31287	18.874	ng		95
34) Hexachlorobutadiene	10.949	225	25803	20.205	ng		92
35) Caprolactam	11.525	113	10044	21.453	ng	#	83
36) 4-Chloro-3-methylphenol	11.895	107	32921	19.795	ng	#	89
37) 2-Methylnaphthalene	12.271	142	66302	19.995	ng		92
38) 1-Methylnaphthalene	12.488	142	65599m	19.840	ng		
40) 1,2,4,5-Tetrachloroben...	12.641	216	40584	19.252	ng		98
41) Hexachlorocyclopentadiene	12.623	237	19309	17.510	ng		90
43) 2,4,6-Trichlorophenol	12.876	196	25830	19.167	ng		95

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064476.D
 Acq On : 2 Oct 2025 11:33
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul
Chavli

Quant Time: Oct 02 16:52:47 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	12.958	196	28101	18.678	ng	89	10/03/2025
46) 1,1'-Biphenyl	13.281	154	92485	19.695	ng	99	Supervised By :Jagrut Upadhyay
47) 2-Chloronaphthalene	13.323	162	68272	19.473	ng	98	
48) 2-Nitroaniline	13.522	65	24212	20.234	ng	91	
49) Acenaphthylene	14.169	152	102668	19.727	ng	98	
50) Dimethylphthalate	13.904	163	103311	20.204	ng	96	
51) 2,6-Dinitrotoluene	14.022	165	21899	20.559	ng	93	10/03/2025
52) Acenaphthene	14.515	154	70884	19.604	ng	100	
53) 3-Nitroaniline	14.351	138	19604	19.956	ng	94	
54) 2,4-Dinitrophenol	14.562	184	17644	22.843	ng	# 77	
55) Dibenzofuran	14.850	168	117496	19.680	ng	100	
56) 4-Nitrophenol	14.668	139	14837	19.183	ng	90	
57) 2,4-Dinitrotoluene	14.809	165	31862	19.567	ng	97	
58) Fluorene	15.496	166	100209	20.190	ng	# 97	
59) 2,3,4,6-Tetrachlorophenol	15.079	232	31023	20.205	ng	# 97	
60) Diethylphthalate	15.273	149	109604	19.981	ng	97	
61) 4-Chlorophenyl-phenyle...	15.491	204	54751	20.205	ng	92	
62) 4-Nitroaniline	15.508	138	21595	21.091	ng	# 88	
63) Azobenzene	15.784	77	86539	20.370	ng	96	
65) 4,6-Dinitro-2-methylph...	15.579	198	22989	19.942	ng	92	
66) n-Nitrosodiphenylamine	15.708	169	88367	19.986	ng	94	
67) 4-Bromophenyl-phenylether	16.384	248	37623	19.310	ng	94	
68) Hexachlorobenzene	16.501	284	45002	20.185	ng	99	
69) Atrazine	16.654	200	40855	20.769	ng	98	
70) Pentachlorophenol	16.842	266	24237	18.593	ng	93	
71) Phenanthrene	17.230	178	174598	20.165	ng	98	
72) Anthracene	17.324	178	172893	19.904	ng	97	
73) Carbazole	17.588	167	149710	19.939	ng	97	
74) Di-n-butylphthalate	18.158	149	182903	19.955	ng	99	
75) Fluoranthene	19.239	202	210637	20.363	ng	98	
77) Benzidine	19.421	184	70399	17.050	ng	99	
78) Pyrene	19.603	202	218448	20.286	ng	97	
80) Butylbenzylphthalate	20.496	149	77010	20.174	ng	96	
81) Benzo(a)anthracene	21.395	228	213165	20.119	ng	98	
82) 3,3'-Dichlorobenzidine	21.319	252	71567	19.958	ng	99	
83) Chrysene	21.454	228	198263	19.732	ng	96	
84) Bis(2-ethylhexyl)phtha...	21.319	149	106271	19.731	ng	98	
85) Di-n-octyl phthalate	22.441	149	174229	19.247	ng	99	
87) Indeno(1,2,3-cd)pyrene	27.735	276	240423	19.796	ng	99	
88) Benzo(b)fluoranthene	23.446	252	204393	20.591	ng	98	
89) Benzo(k)fluoranthene	23.511	252	199853	19.991	ng	98	
90) Benzo(a)pyrene	24.245	252	184712	20.191	ng	98	
91) Dibenzo(a,h)anthracene	27.782	278	195555	20.134	ng	# 96	
92) Benzo(g,h,i)perylene	28.769	276	189789	20.108	ng	# 95	

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

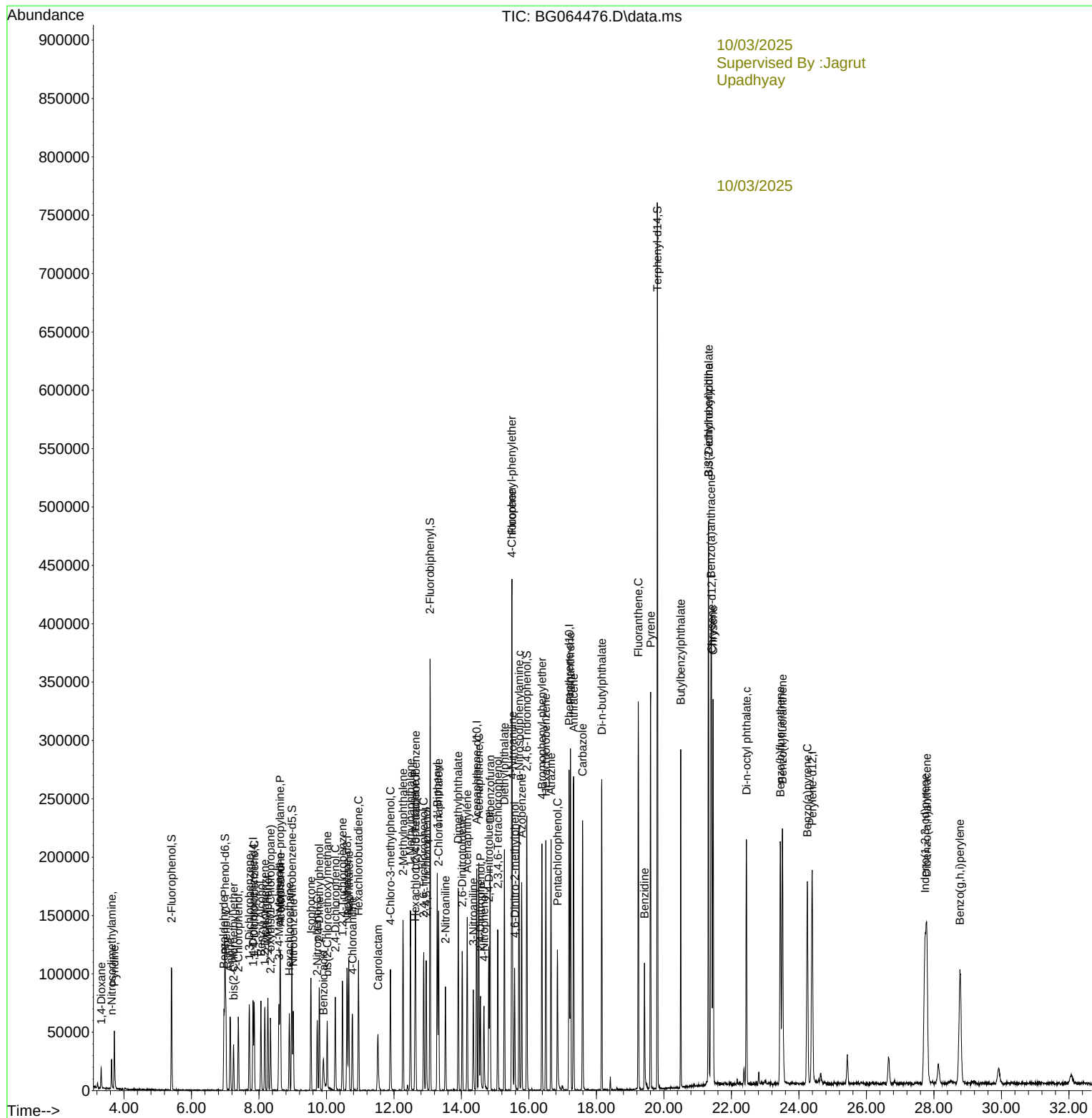
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Acq On : 2 Oct 2025 11:33
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

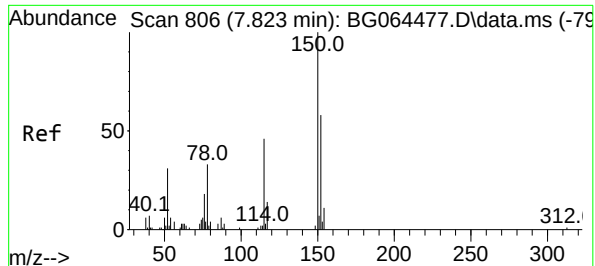
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BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chayli

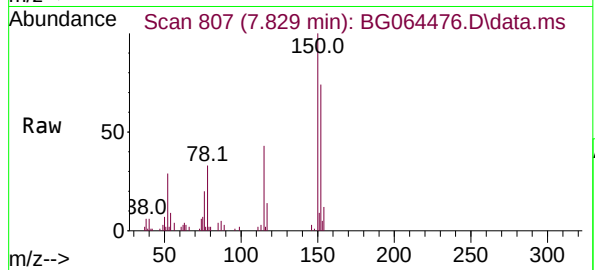
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.829 min Scan# 80
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

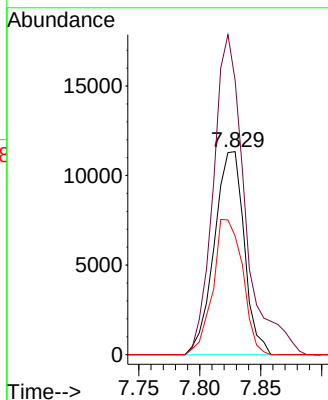
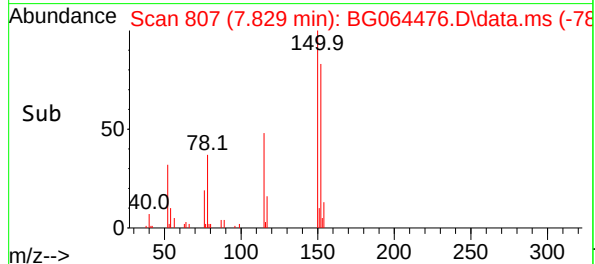
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 1935
Ion Ratio Lower Upper
152 100
150 134.9 138.6 207.8
115 58.4 63.4 95.2

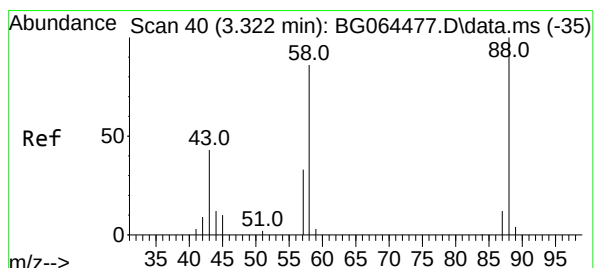
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



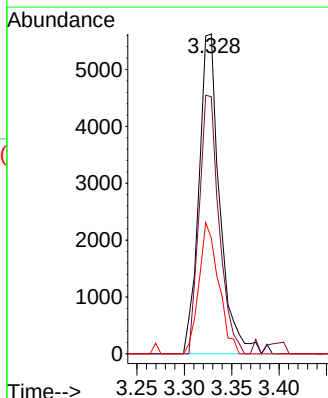
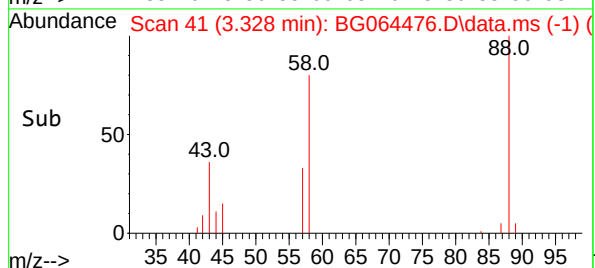
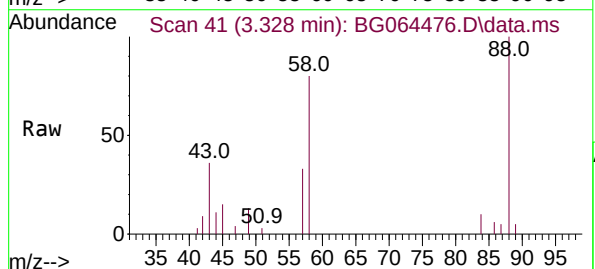
10/03/2025
Supervised By :Jagrut
Upadhyay

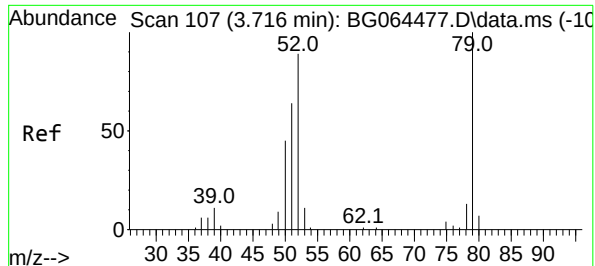
10/03/2025



#2
1,4-Dioxane
Concen: 20.918 ng
RT: 3.328 min Scan# 41
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

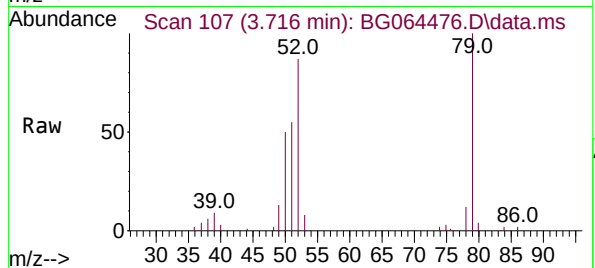
Tgt Ion: 88 Resp: 8654
Ion Ratio Lower Upper
88 100
58 76.5 69.8 104.6
43 38.5 37.4 56.0





#3
Pyridine
Concen: 19.971 ng
RT: 3.716 min Scan# 107
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

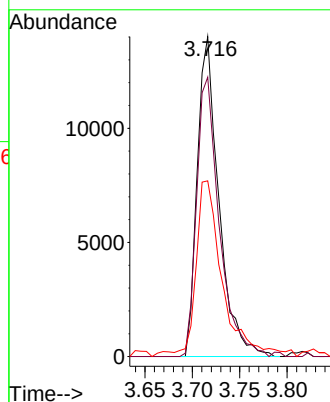
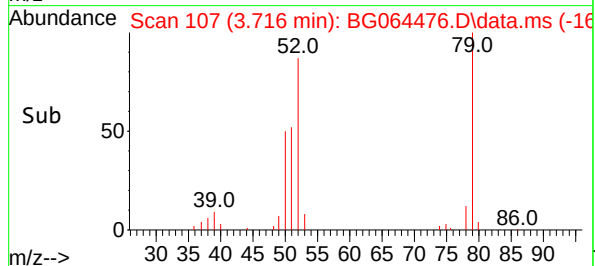
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion: 79 Resp: 22205
Ion Ratio Lower Upper
79 100
52 87.3 71.0 106.4
51 54.9 51.0 76.6

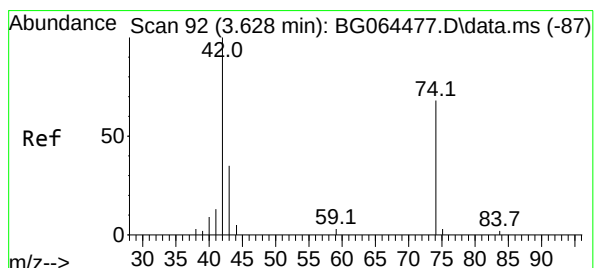
Manual Integrations
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Reviewed By :Rahul
Chavli



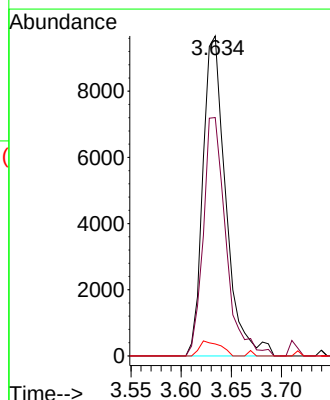
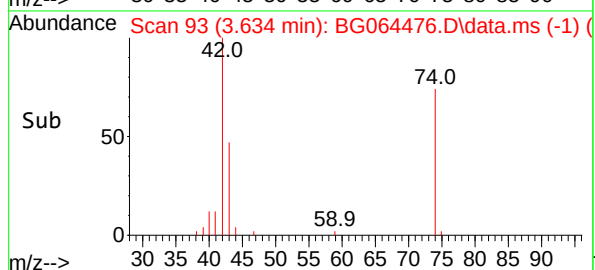
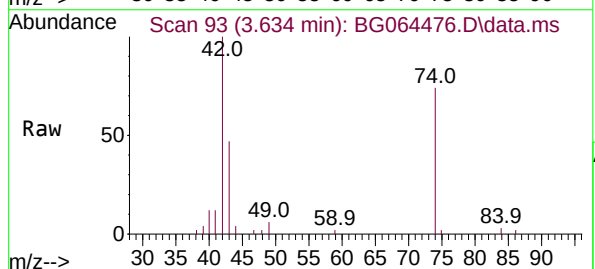
10/03/2025
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Upadhyay

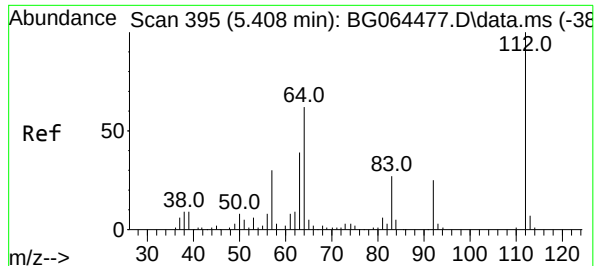
10/03/2025



#4
n-Nitrosodimethylamine
Concen: 18.981 ng
RT: 3.634 min Scan# 93
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

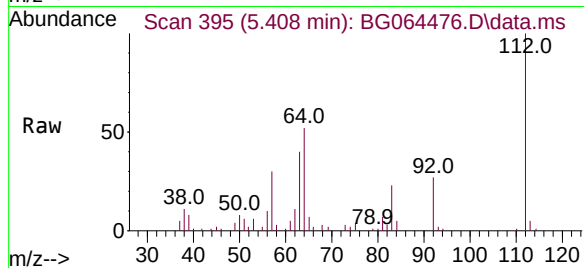
Tgt Ion: 42 Resp: 15299
Ion Ratio Lower Upper
42 100
74 74.5 54.2 81.4
44 3.7 4.2 6.2#





#5
2-Fluorophenol
Concen: 38.992 ng
RT: 5.408 min Scan# 395
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

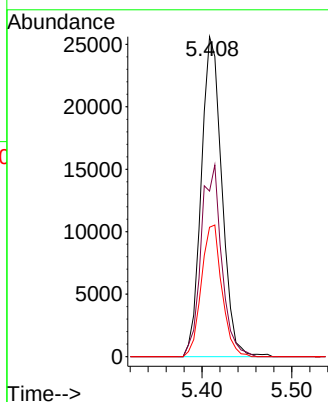
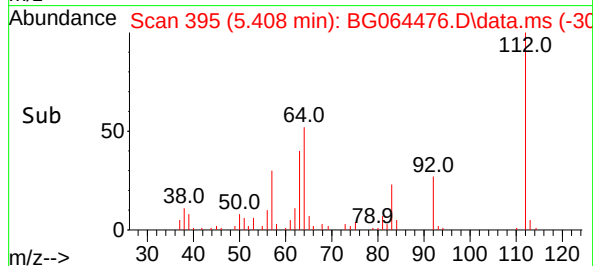
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion: 112 Resp: 40783
Ion Ratio Lower Upper
112 100
64 51.7 49.8 74.8
63 40.4 31.3 46.9

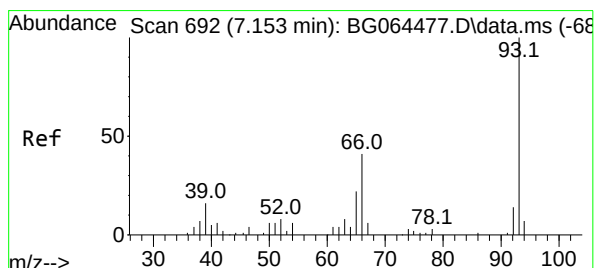
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



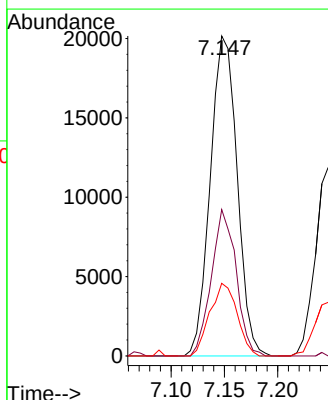
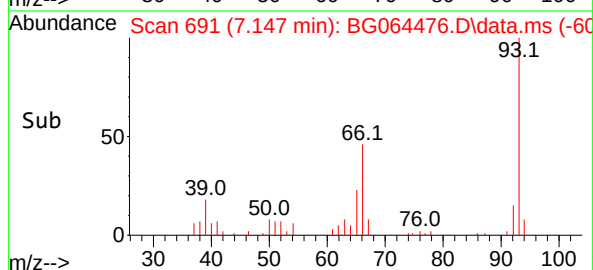
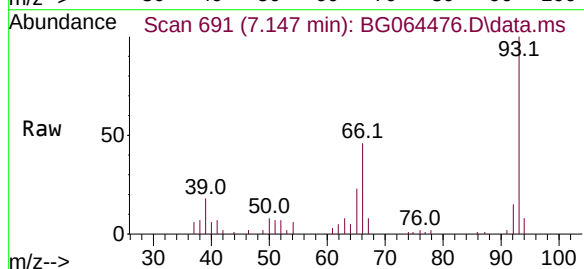
10/03/2025
Supervised By :Jagrut
Upadhyay

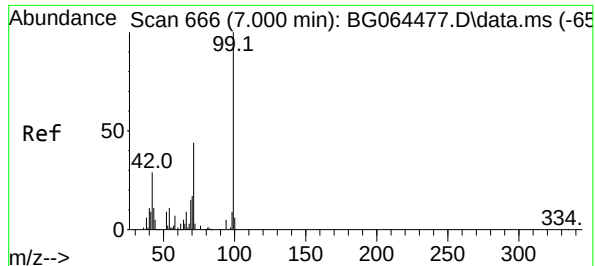
10/03/2025



#6
Aniline
Concen: 19.945 ng
RT: 7.147 min Scan# 691
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 93 Resp: 35362
Ion Ratio Lower Upper
93 100
66 45.7 33.0 49.4
65 22.7 17.5 26.3





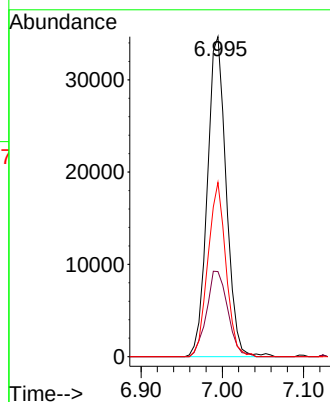
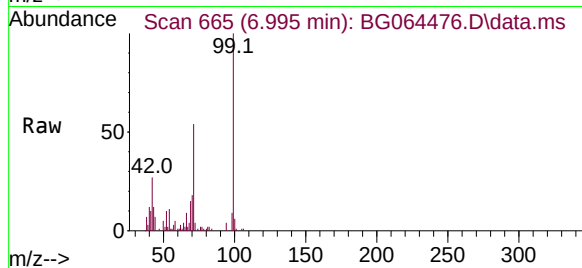
#7
Phenol-d6
Concen: 39.819 ng
RT: 6.995 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 55968
Ion Ratio Lower Upper
99 100
42 26.6 22.9 34.3
71 54.5 35.4 53.2

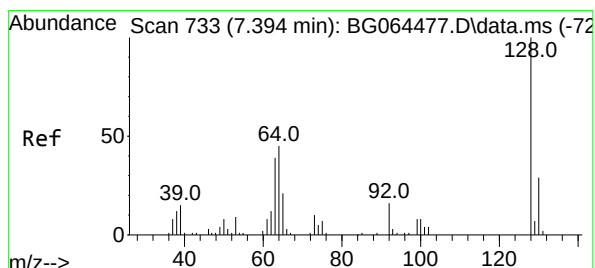
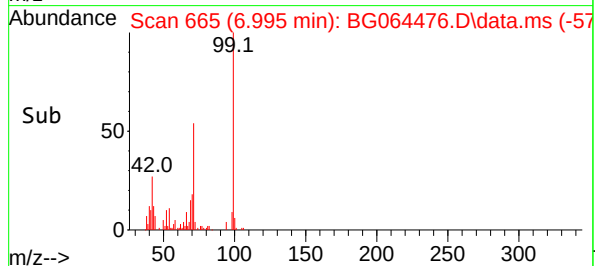
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



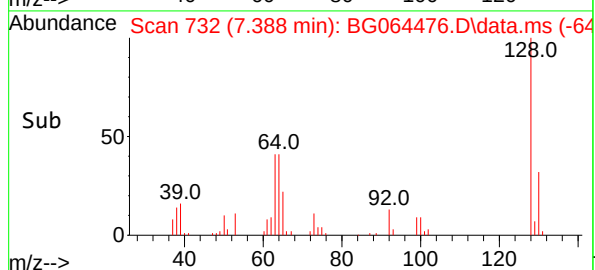
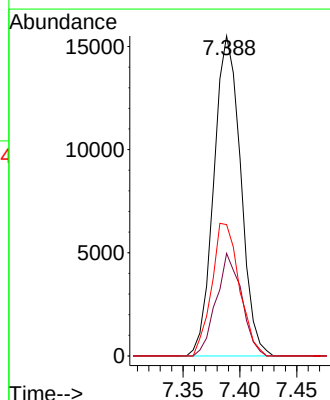
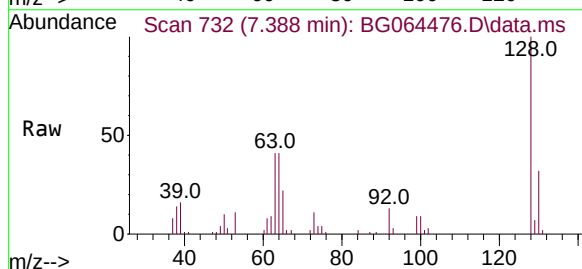
10/03/2025
Supervised By :Jagrut
Upadhyay

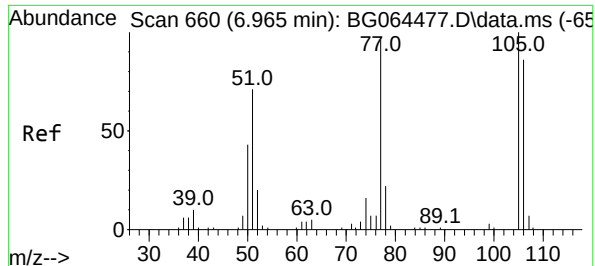
10/03/2025



#8
2-Chlorophenol
Concen: 19.771 ng
RT: 7.388 min Scan# 732
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

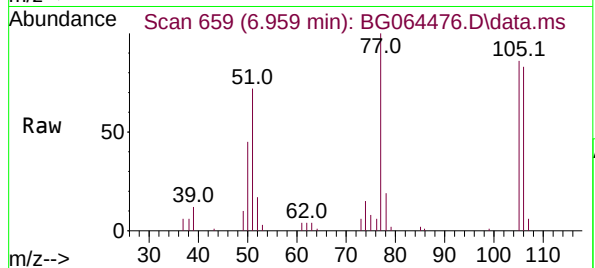
Tgt Ion:128 Resp: 25393
Ion Ratio Lower Upper
128 100
130 32.0 9.2 49.2
64 41.0 25.5 65.5





#9
Benzaldehyde
Concen: 16.115 ng m
RT: 6.959 min Scan# 659
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

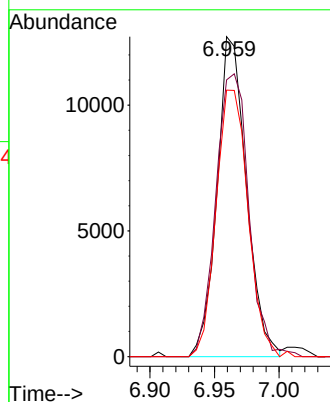
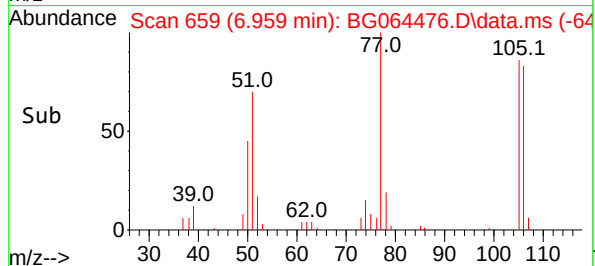
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 2010
Ion Ratio Lower Upper
77 100
105 86.5 83.7 123.7
106 83.3 69.4 109.4

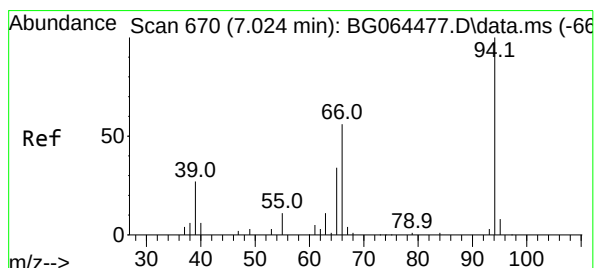
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Reviewed By :Rahul
Chavli



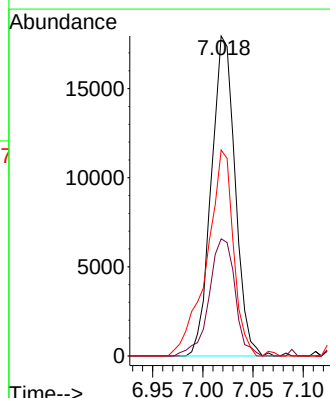
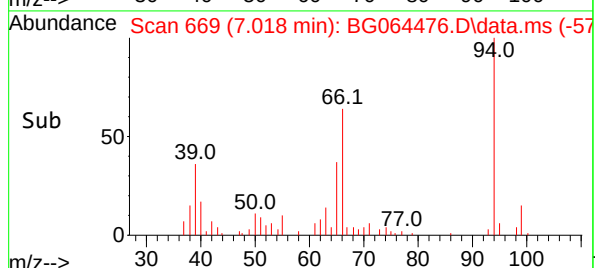
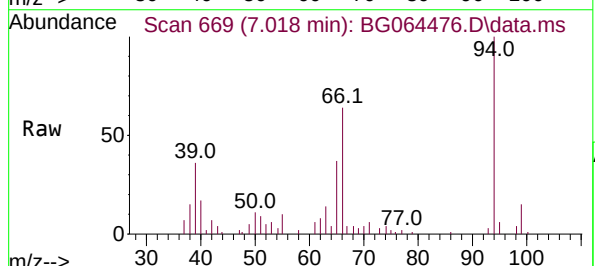
10/03/2025
Supervised By :Jagrut
Upadhyay

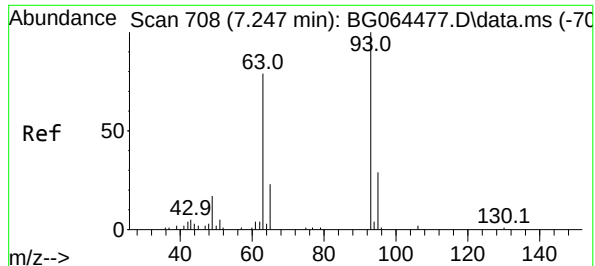
10/03/2025



#10
Phenol
Concen: 19.971 ng
RT: 7.018 min Scan# 669
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 94 Resp: 29612
Ion Ratio Lower Upper
94 100
65 36.6 14.8 54.8
66 64.3 41.4 81.4





#11

bis(2-Chloroethyl)ether

Concen: 19.313 ng

RT: 7.247 min Scan# 708

Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

Instrument :

BNA_G

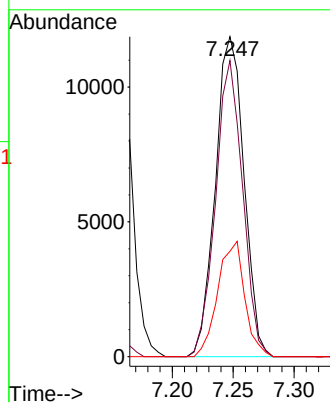
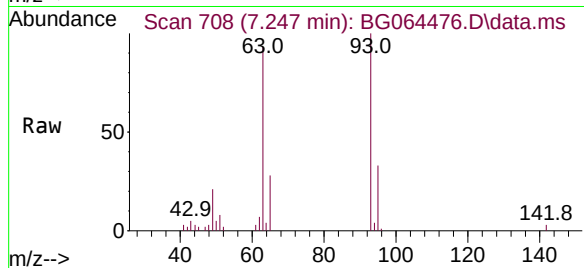
ClientSampleId :

SSTDICC020

Tgt Ion: 93	Resp: 1939
Ion Ratio	Lower Upper
93 100	
63 92.5	59.5 99.5
95 32.9	8.8 48.8

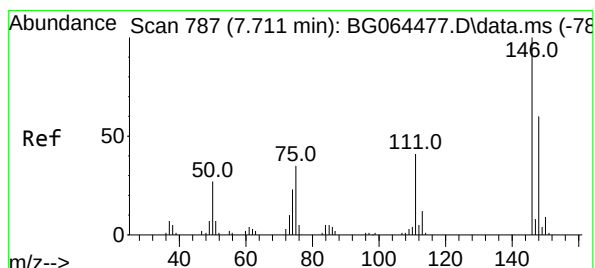
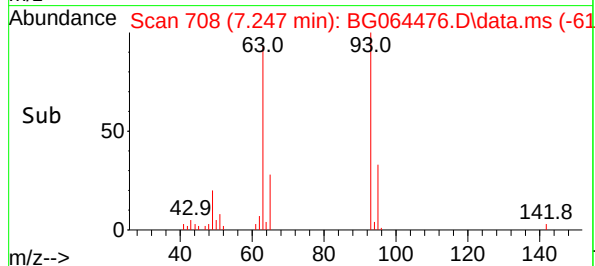
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



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Supervised By :Jagrut
Upadhyay

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#12

1,3-Dichlorobenzene

Concen: 19.226 ng

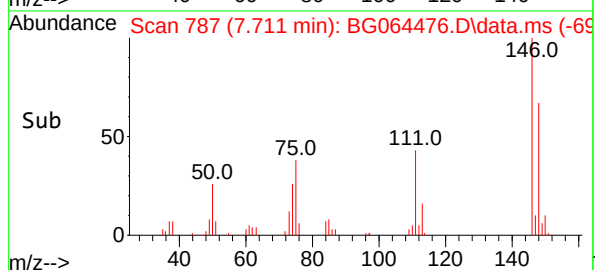
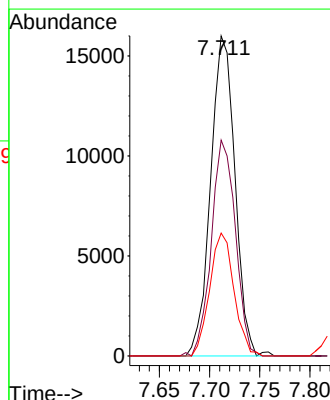
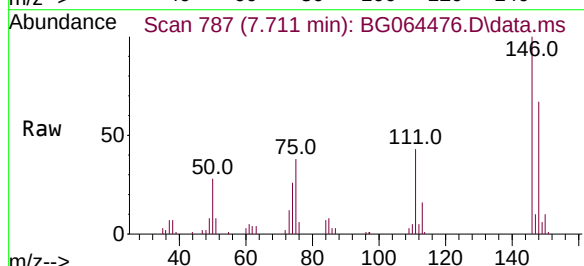
RT: 7.711 min Scan# 787

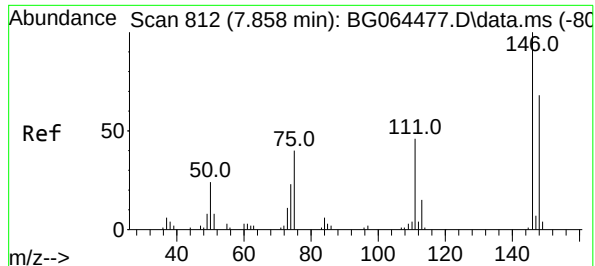
Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

Tgt Ion:146	Resp: 27013
Ion Ratio	Lower Upper
146 100	
148 67.4	48.4 72.6
75 38.4	28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 19.936 ng

RT: 7.858 min Scan# 812

Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 28112

Ion Ratio Lower Upper

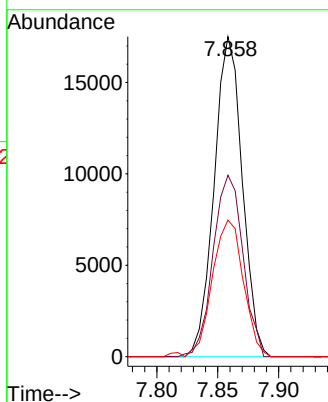
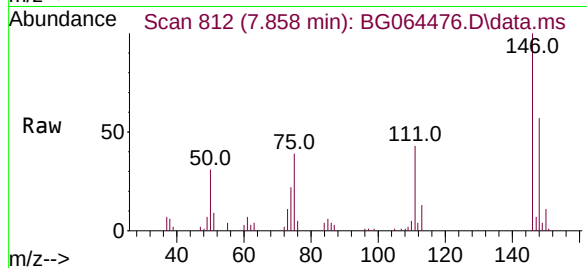
146 100

148 56.7 54.4 81.6

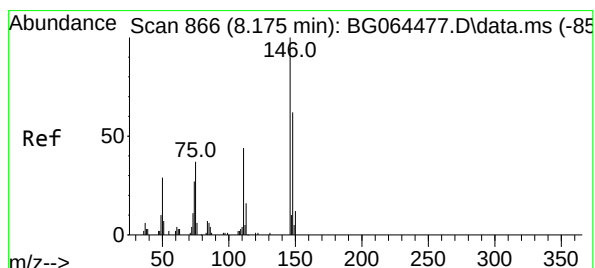
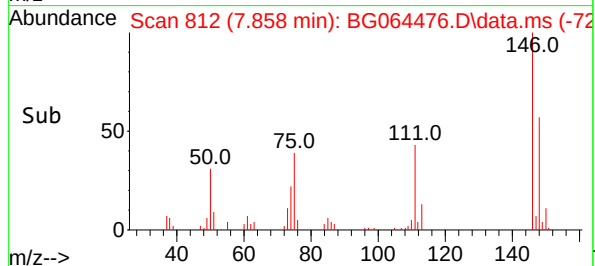
111 42.7 36.5 54.7

Manual Integrations

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Reviewed By :Rahul
Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

10/03/2025



#14

1,2-Dichlorobenzene

Concen: 19.980 ng

RT: 8.170 min Scan# 865

Delta R.T. -0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

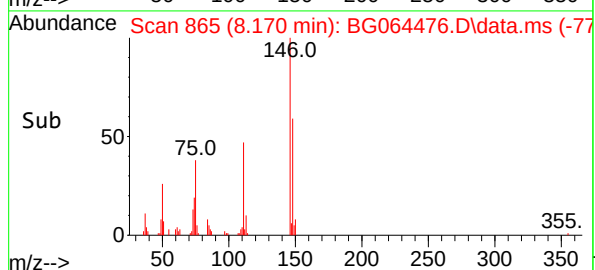
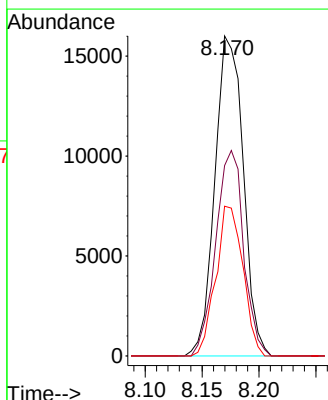
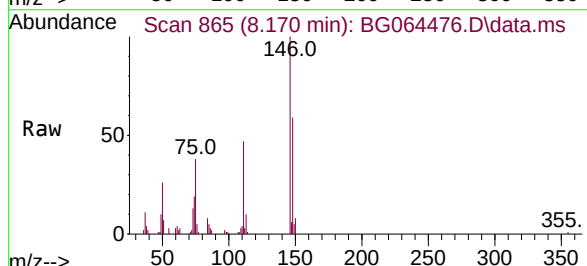
Tgt Ion:146 Resp: 27767

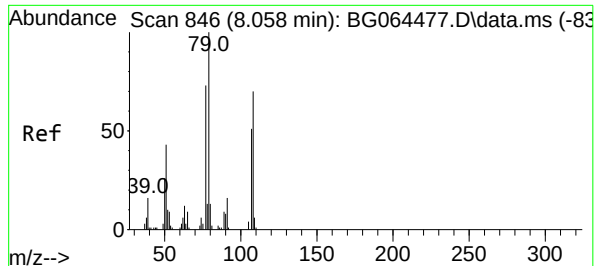
Ion Ratio Lower Upper

146 100

148 59.5 50.0 75.0

111 46.8 35.0 52.4





#15

Benzyl Alcohol

Concen: 19.441 ng

RT: 8.058 min Scan# 84

Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 2516

Ion Ratio Lower Upper

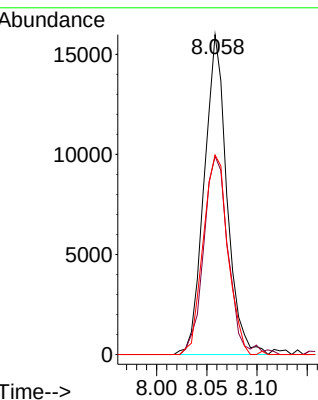
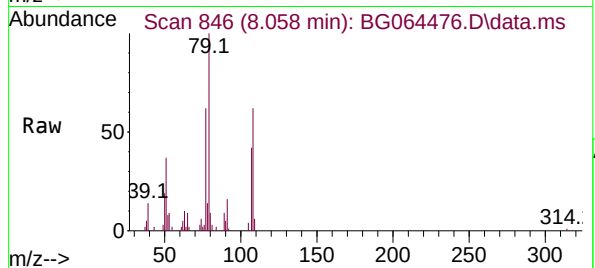
79 100

108 62.0 56.4 84.6

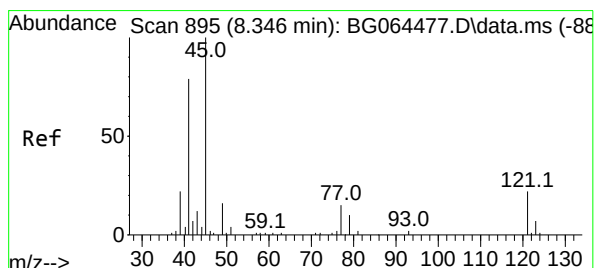
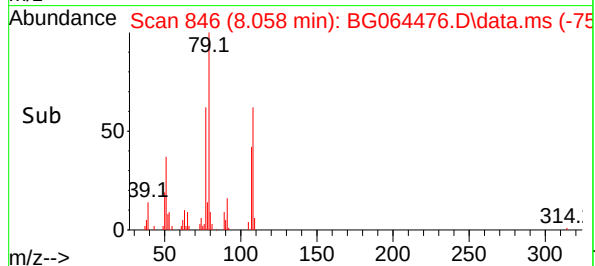
77 62.4 58.3 87.5

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Reviewed By :Rahul
Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 19.821 ng

RT: 8.340 min Scan# 894

Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

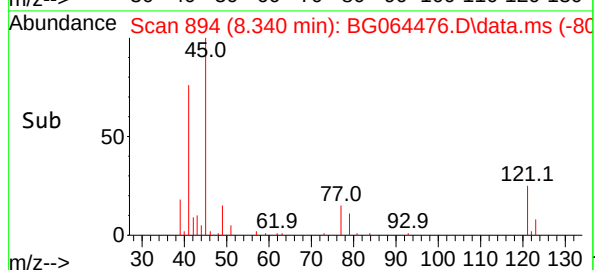
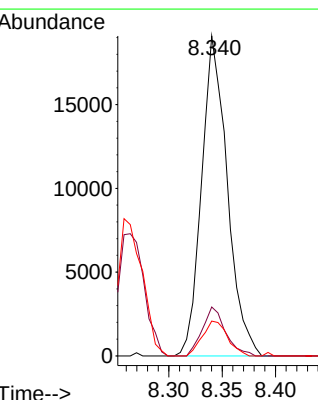
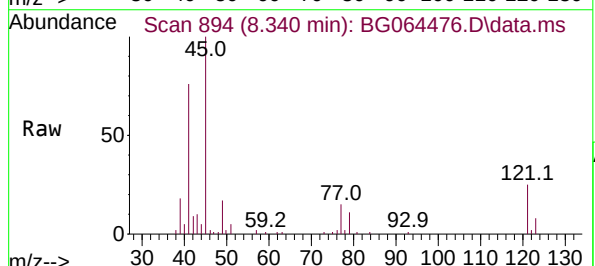
Tgt Ion: 45 Resp: 32082

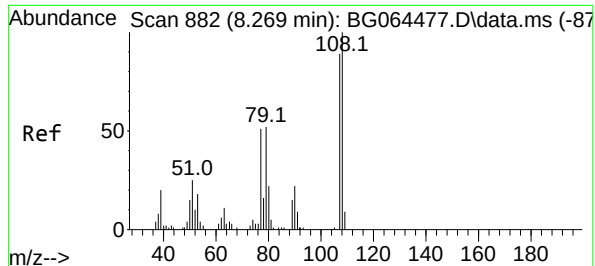
Ion Ratio Lower Upper

45 100

77 15.3 0.0 35.6

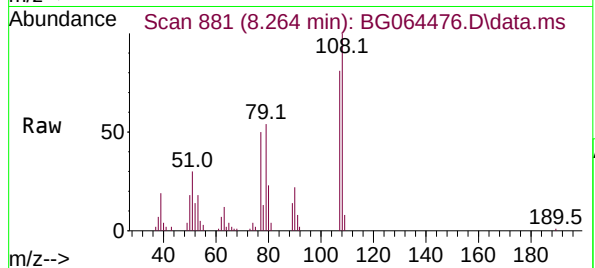
79 10.9 0.0 30.7





#17
2-Methylphenol
Concen: 19.589 ng
RT: 8.264 min Scan# 881
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

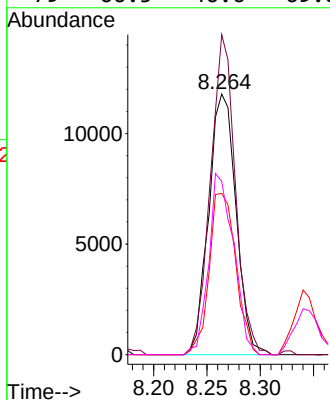
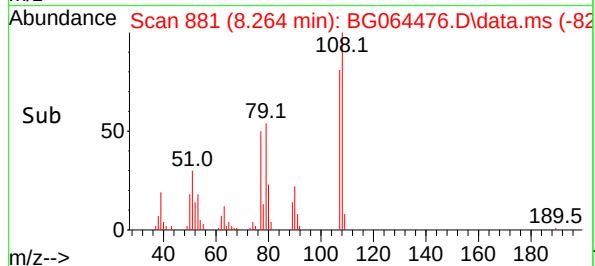
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:107 Resp: 21032
Ion Ratio Lower Upper
107 100
108 122.8 90.3 135.5
77 61.9 46.0 69.0
79 66.5 46.6 69.8

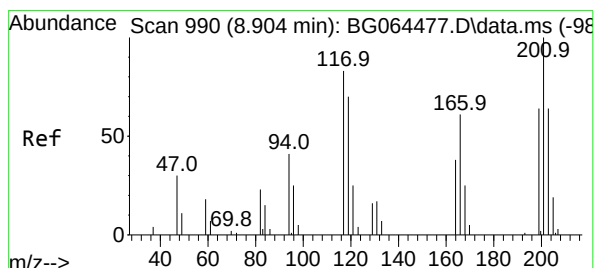
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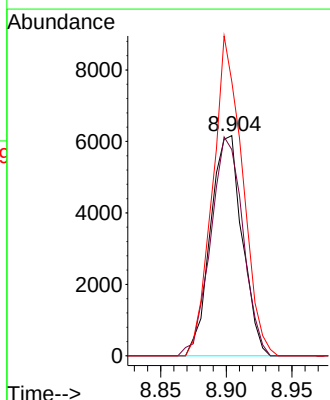
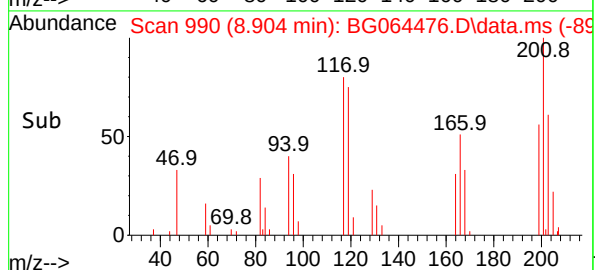
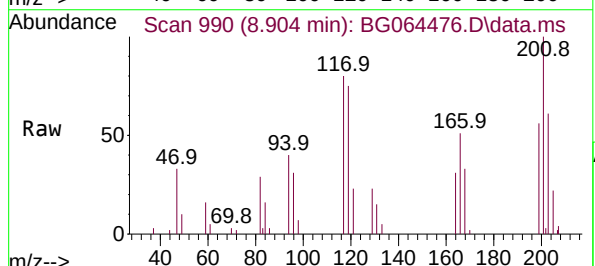
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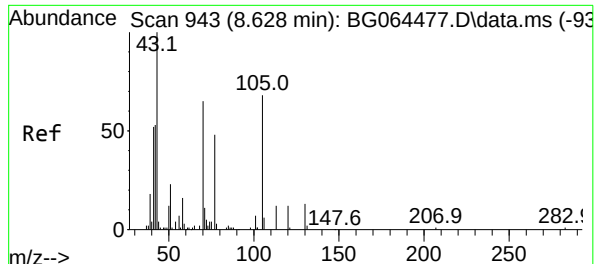
10/03/2025



#18
Hexachloroethane
Concen: 18.581 ng
RT: 8.904 min Scan# 990
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:117 Resp: 10342
Ion Ratio Lower Upper
117 100
119 93.7 67.4 101.0
201 124.6 95.9 143.9





#19

n-Nitroso-di-n-propylamine

Concen: 20.713 ng

RT: 8.622 min Scan# 943

Delta R.T. 0.009 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 1947

Ion Ratio Lower Upper

70 100

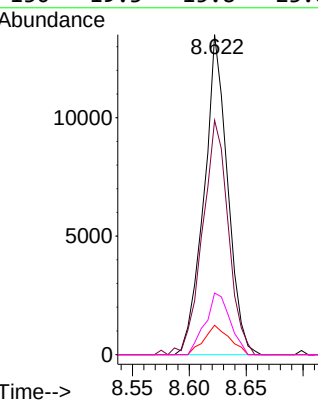
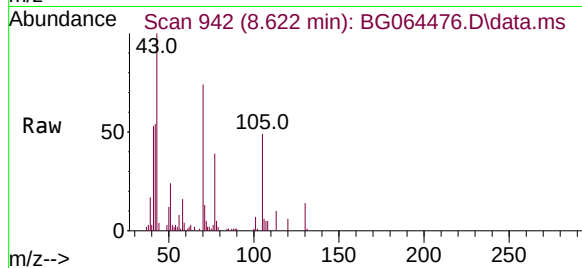
42 73.2 64.9 97.3

101 9.2 8.7 13.1

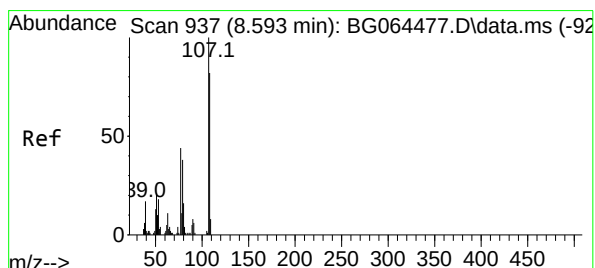
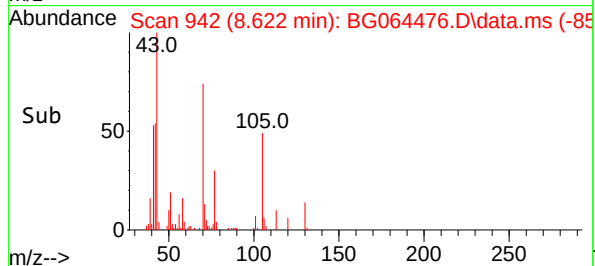
130 19.3 15.8 23.8

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Chavli10/03/2025
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Upadhyay

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#20

3+4-Methylphenols

Concen: 19.505 ng

RT: 8.593 min Scan# 937

Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

Tgt Ion:107 Resp: 29225

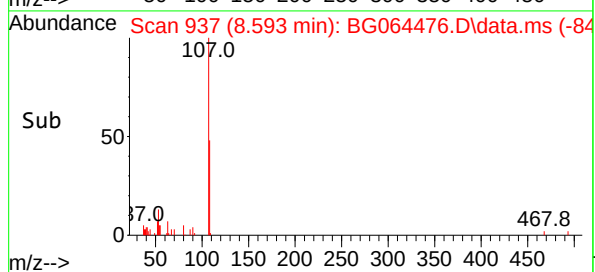
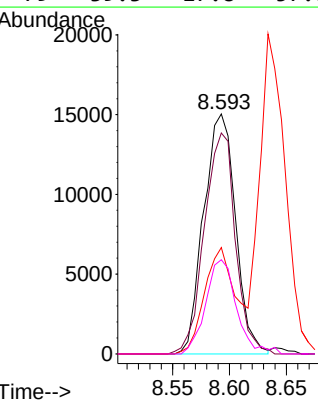
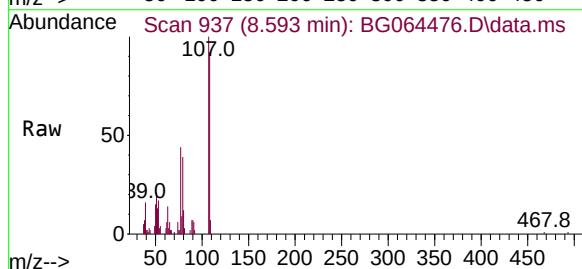
Ion Ratio Lower Upper

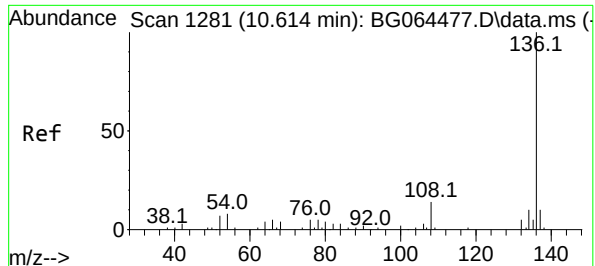
107 100

108 92.0 62.1 102.1

77 44.3 23.5 63.5

79 39.3 17.8 57.8





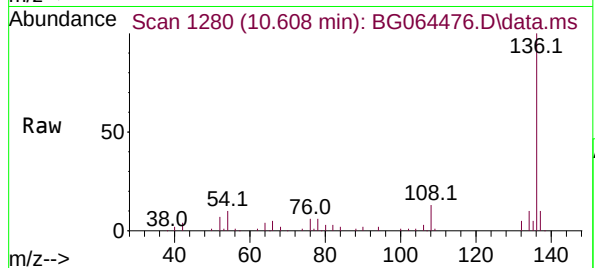
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 1281
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Instrument :

BNA_G

ClientSampleId :

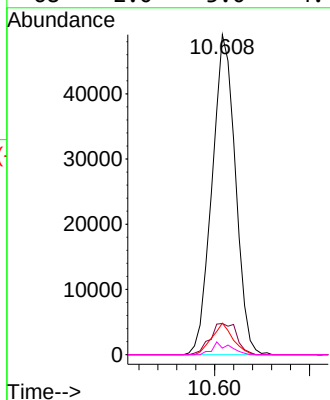
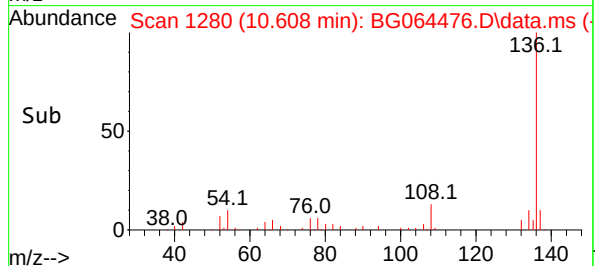
SSTDICC020



Tgt Ion:136 Resp: 8388
Ion Ratio Lower Upper
136 100
137 9.7 8.3 12.5
54 9.8 6.2 9.4
68 2.0 3.0 4.4

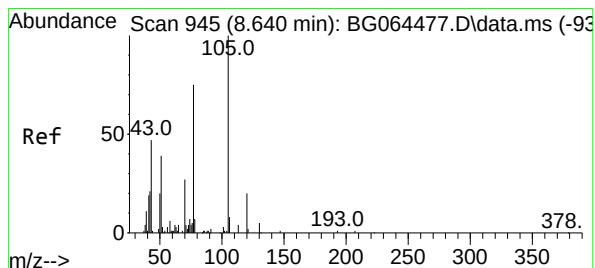
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Chavli



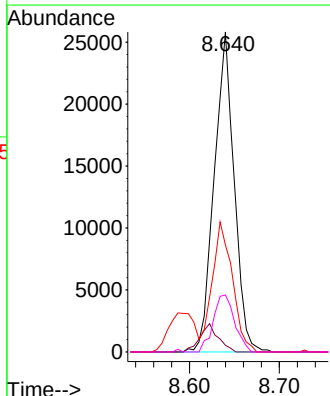
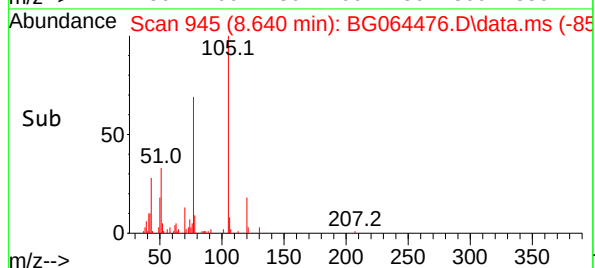
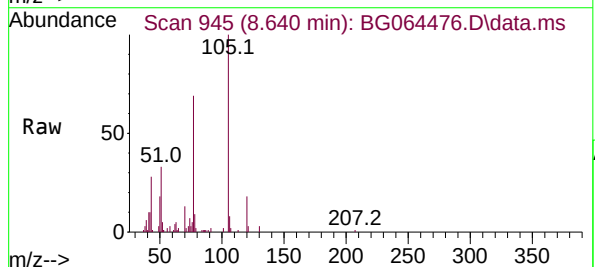
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Supervised By :Jagrut
Upadhyay

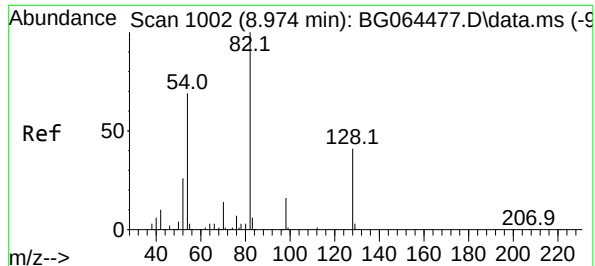
10/03/2025



#22
Acetophenone
Concen: 19.687 ng
RT: 8.640 min Scan# 945
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:105 Resp: 39987
Ion Ratio Lower Upper
105 100
71 2.1 2.8 4.2
51 33.4 33.0 49.4
120 17.8 15.8 23.6





#23

Nitrobenzene-d5

Concen: 40.610 ng

RT: 8.975 min Scan# 1002

Delta R.T. 0.009 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

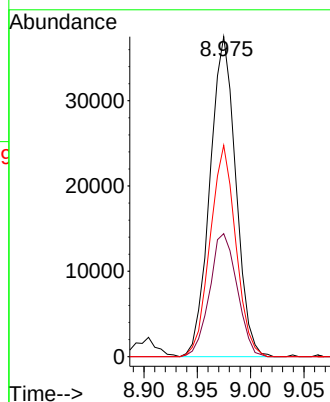
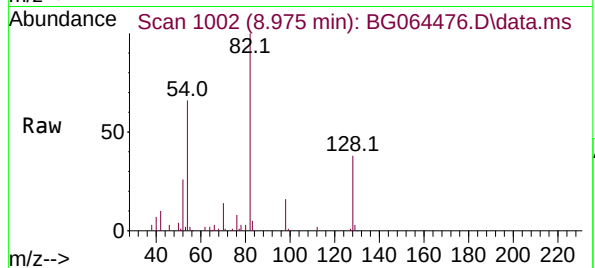
Instrument :

BNA_G

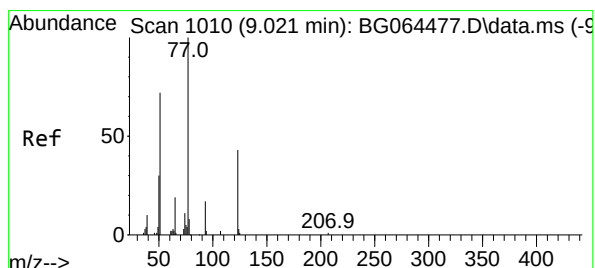
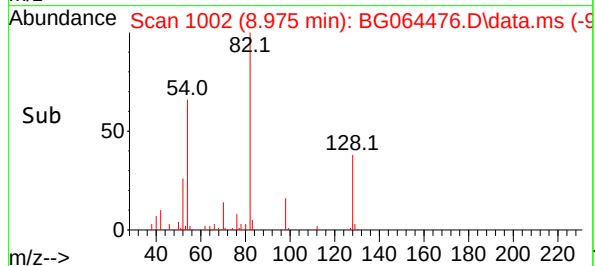
ClientSampleId :

SSTDICC020

Tgt Ion: 82	Resp: 6335
Ion Ratio	Lower Upper
82 100	
128 38.4	33.1 49.7
54 66.0	55.4 83.2

Manual Integrations
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Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

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#24

Nitrobenzene

Concen: 18.981 ng

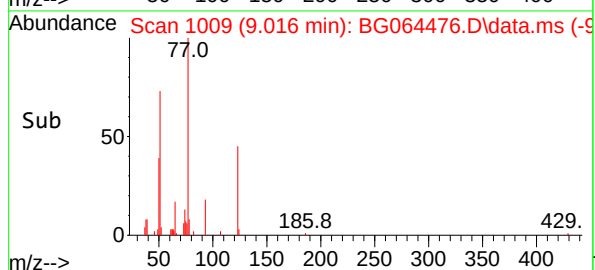
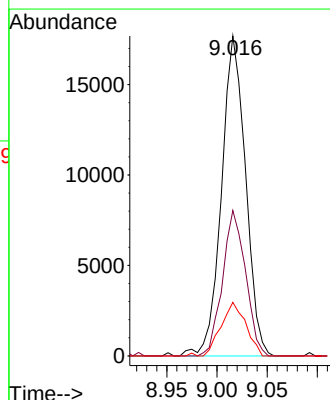
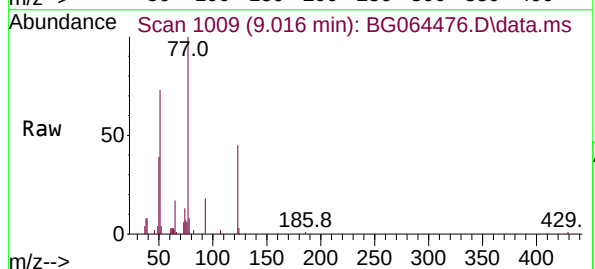
RT: 9.016 min Scan# 1009

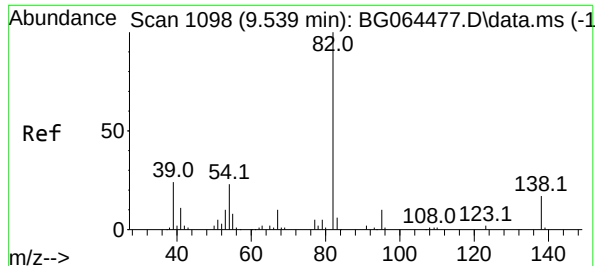
Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

Tgt Ion: 77	Resp: 29530
Ion Ratio	Lower Upper
77 100	
123 45.4	34.4 51.6
65 16.7	14.8 22.2





#25

Isophorone

Concen: 20.004 ng

RT: 9.539 min Scan# 1098

Delta R.T. 0.008 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

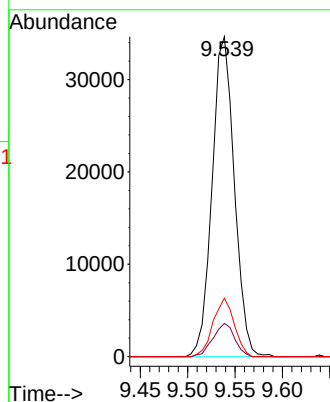
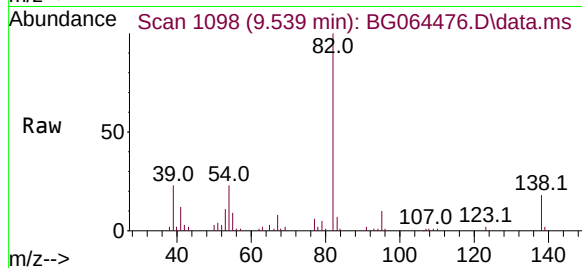
Instrument :

BNA_G

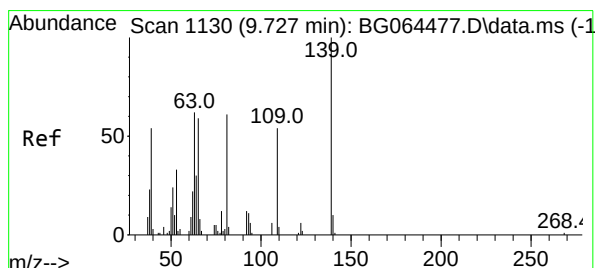
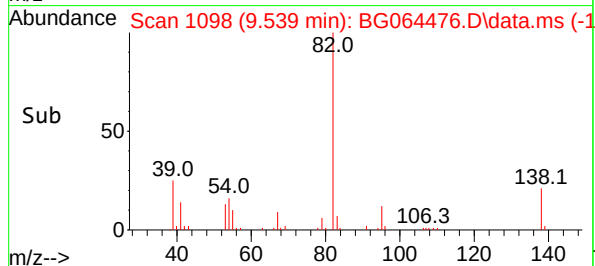
ClientSampleId :

SSTDICC020

Tgt Ion:	82	Resp:	56538
Ion	Ratio	Lower	Upper
82	100		
95	10.4	7.8	11.8
138	18.3	13.8	20.6

**Manual Integrations
APPROVED**Reviewed By :Rahul
Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

10/03/2025



#26

2-Nitrophenol

Concen: 19.641 ng

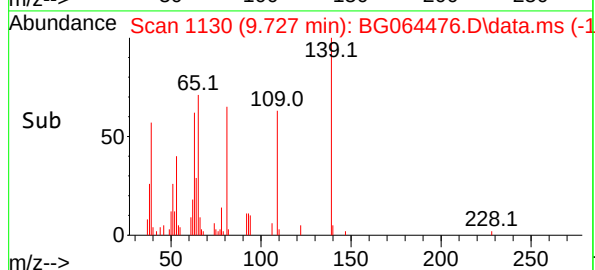
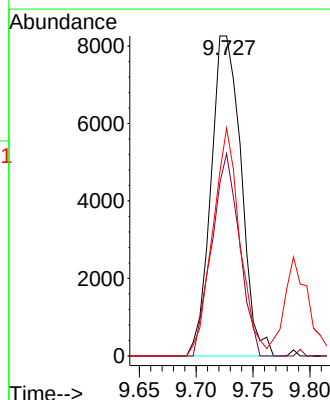
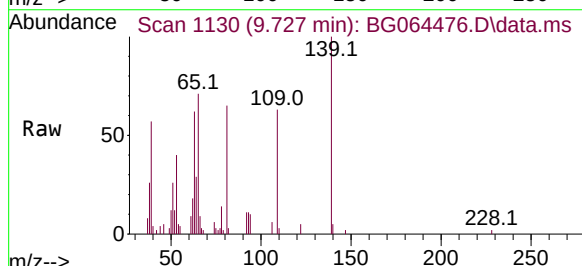
RT: 9.727 min Scan# 1130

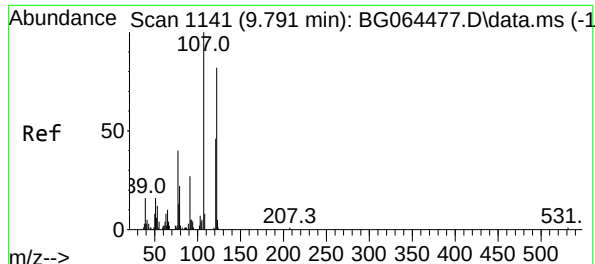
Delta R.T. 0.008 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

Tgt Ion:	139	Resp:	15208
Ion	Ratio	Lower	Upper
139	100		
109	63.2	43.0	64.6
65	71.2	47.4	71.2





#27

2,4-Dimethylphenol

Concen: 19.778 ng

RT: 9.786 min Scan# 1140

Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

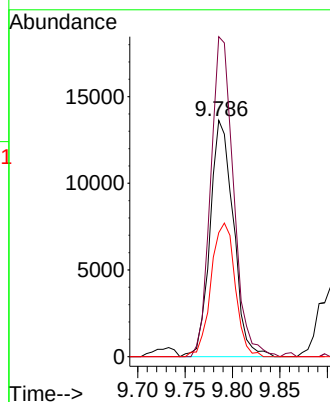
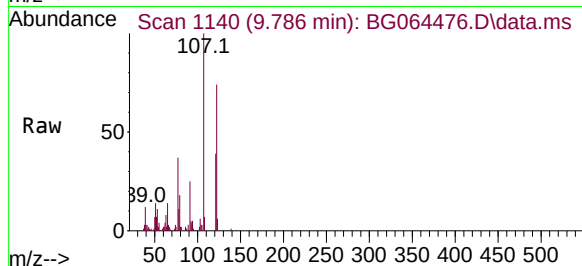
Instrument :

BNA_G

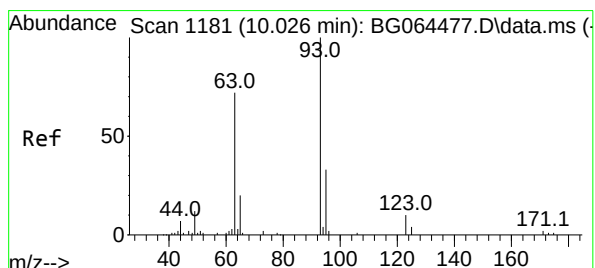
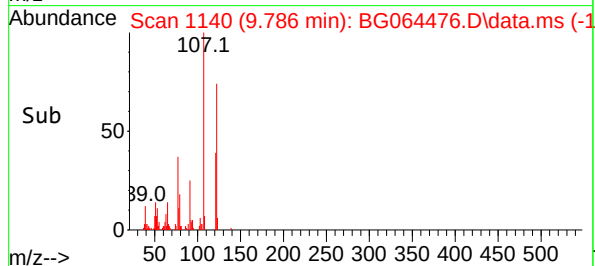
ClientSampleId :

SSTDICC020

Tgt Ion:	122	Resp:	2339
Ion	Ratio	Lower	Upper
122	100		
107	135.4	98.3	147.5
121	52.5	44.7	67.1

Manual Integrations
APPROVEDReviewed By :Rahul
Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

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#28

bis(2-Chloroethoxy)methane

Concen: 21.017 ng

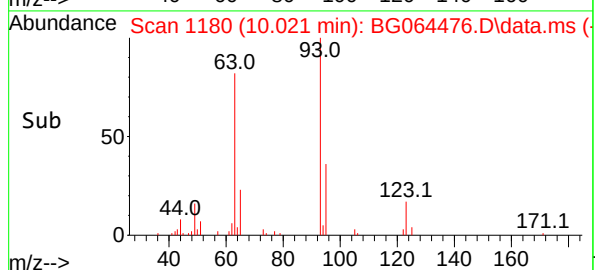
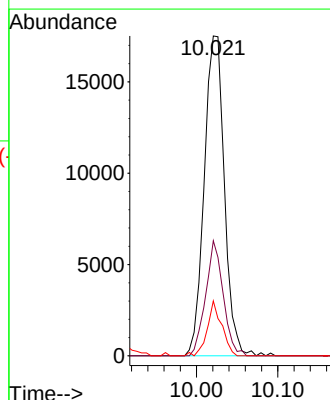
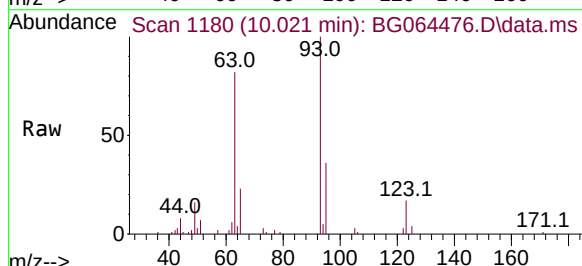
RT: 10.021 min Scan# 1180

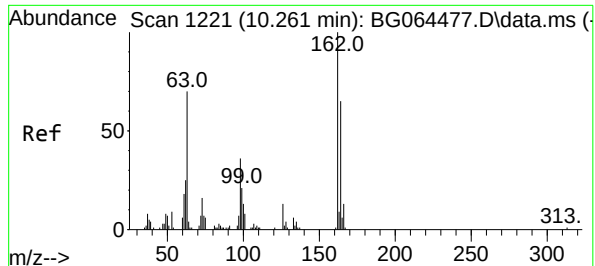
Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

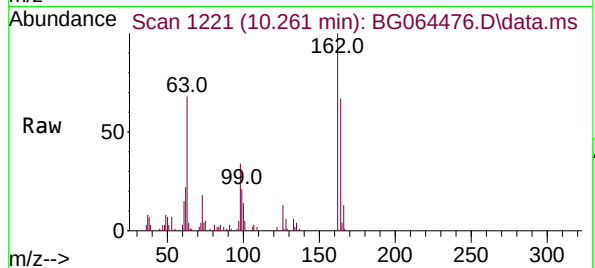
Tgt Ion:	93	Resp:	30279
Ion	Ratio	Lower	Upper
93	100		
95	36.0	26.5	39.7
123	17.2	8.9	13.3





#29
2,4-Dichlorophenol
Concen: 19.691 ng
RT: 10.261 min Scan# 1221
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

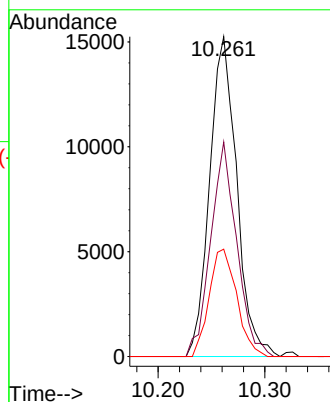
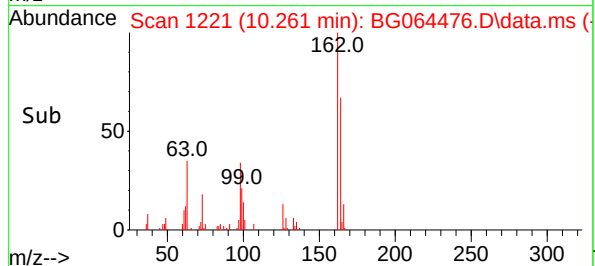
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:162 Resp: 26929
Ion Ratio Lower Upper
162 100
164 67.1 45.4 85.4
98 33.6 16.4 56.4

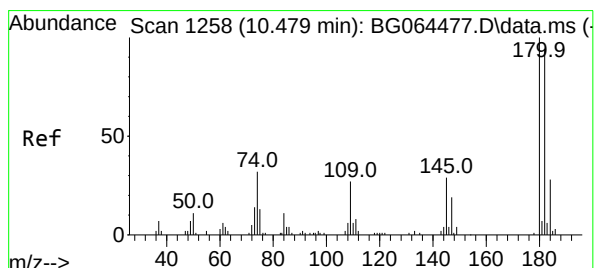
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Reviewed By :Rahul
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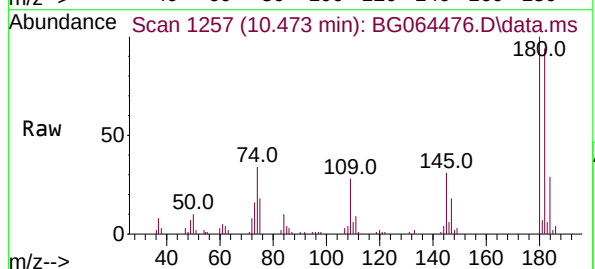


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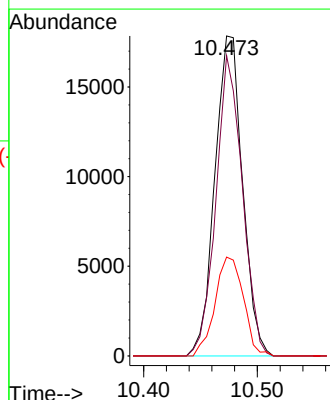
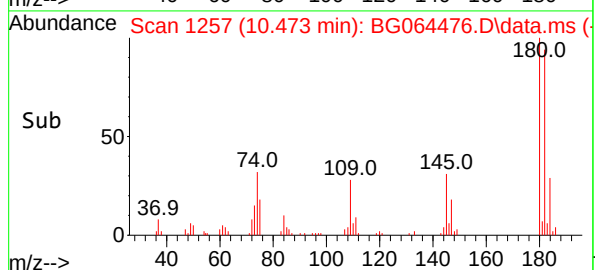
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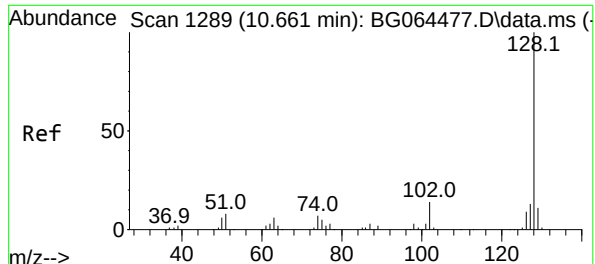


#30
1,2,4-Trichlorobenzene
Concen: 20.255 ng
RT: 10.473 min Scan# 1257
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33



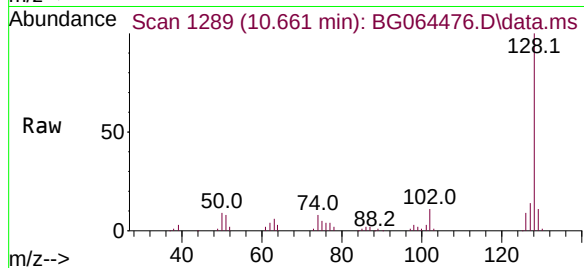
Tgt Ion:180 Resp: 30204
Ion Ratio Lower Upper
180 100
182 93.8 75.4 113.2
145 30.9 23.2 34.8





#31
Naphthalene
Concen: 19.671 ng
RT: 10.661 min Scan# 1161
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

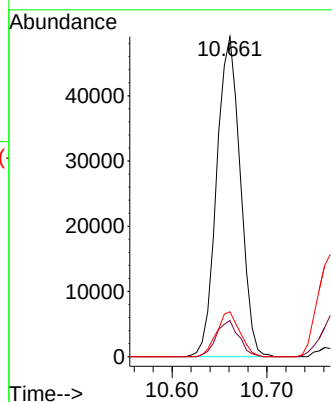
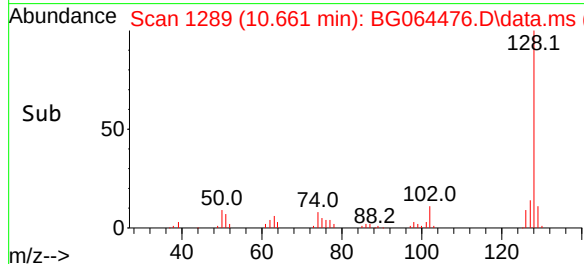
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:128 Resp: 84975
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 14.0 10.2 15.2

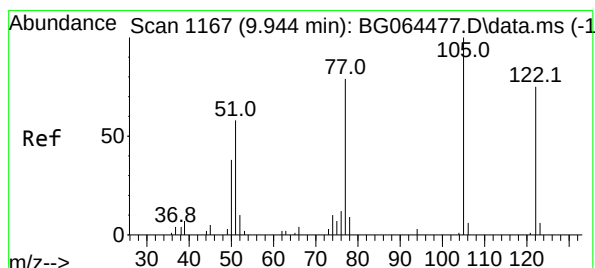
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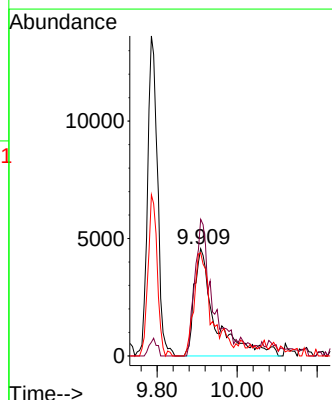
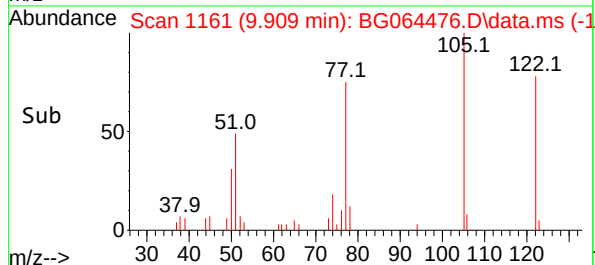
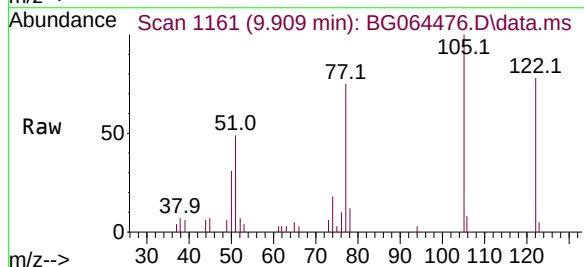
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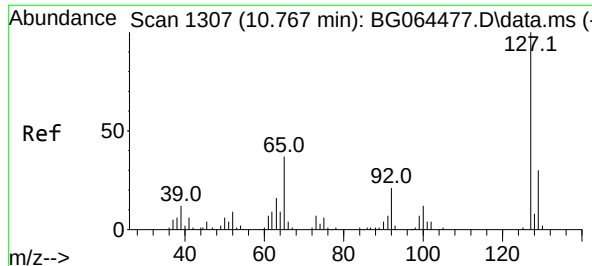
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#32
Benzoic acid
Concen: 18.305 ng m
RT: 9.909 min Scan# 1161
Delta R.T. 0.020 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

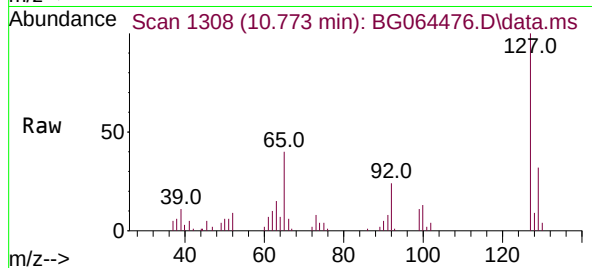
Tgt Ion:122 Resp: 16621
Ion Ratio Lower Upper
122 100
105 127.6 113.9 153.9
77 96.3 86.1 126.1





#33
4-Chloroaniline
Concen: 18.874 ng
RT: 10.773 min Scan# 1307
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

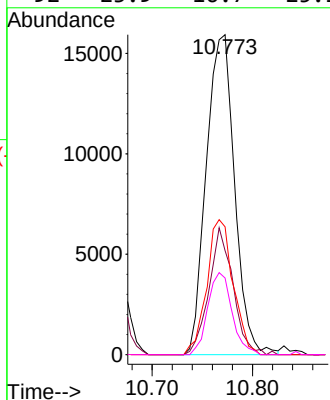
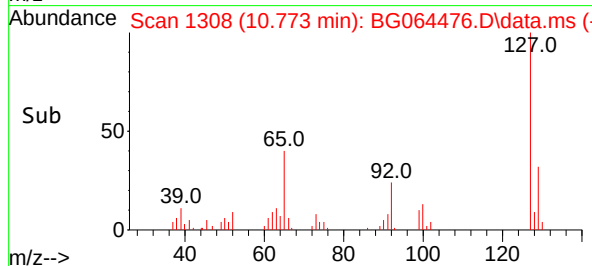
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:127 Resp: 3128
Ion Ratio Lower Upper
127 100
129 32.5 24.2 36.4
65 39.9 29.6 44.4
92 23.9 16.7 25.1

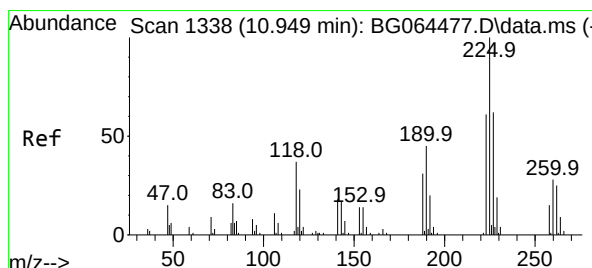
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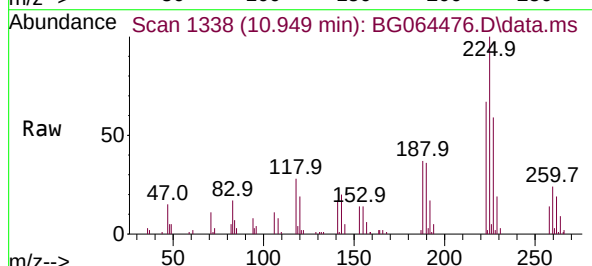


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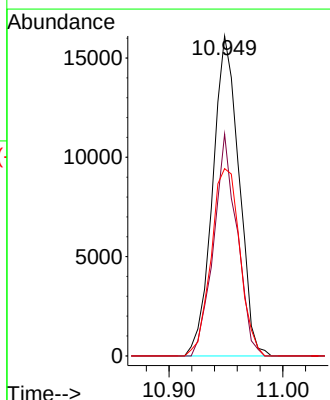
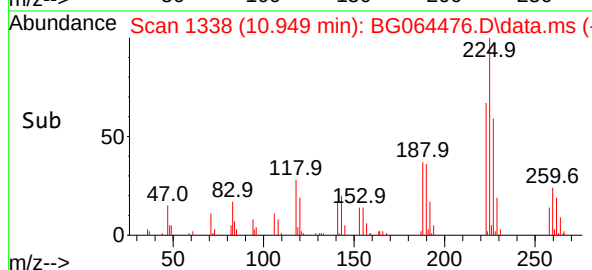
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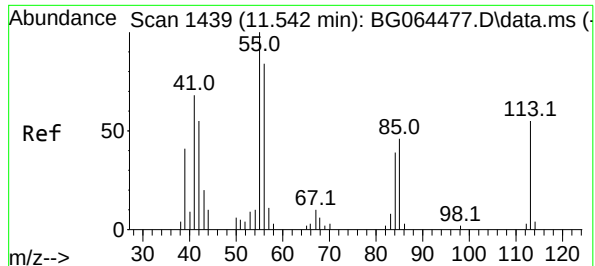


#34
Hexachlorobutadiene
Concen: 20.205 ng
RT: 10.949 min Scan# 1338
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33



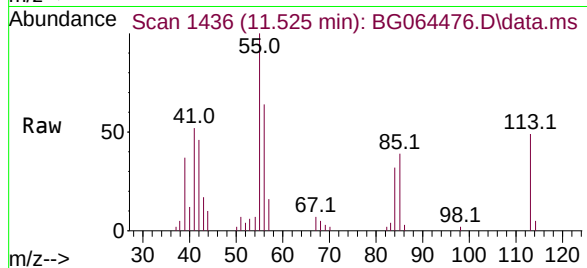
Tgt Ion:225 Resp: 25803
Ion Ratio Lower Upper
225 100
223 69.3 49.0 73.6
227 58.5 49.9 74.9





#35
Caprolactam
Concen: 21.453 ng
RT: 11.525 min Scan# 1436
Delta R.T. 0.014 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

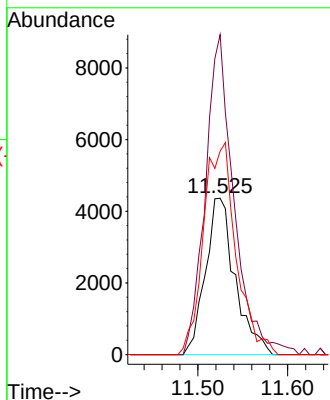
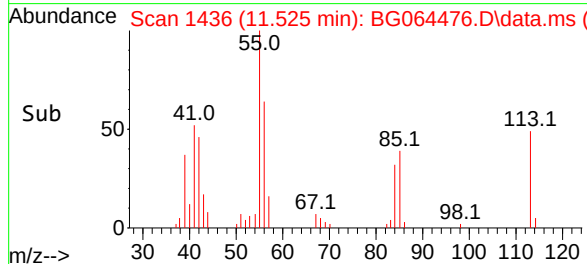
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:113 Resp: 10044
Ion Ratio Lower Upper
113 100
55 204.7 162.0 202.0
56 130.1 134.6 174.6

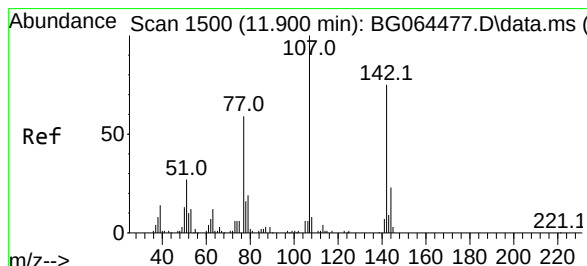
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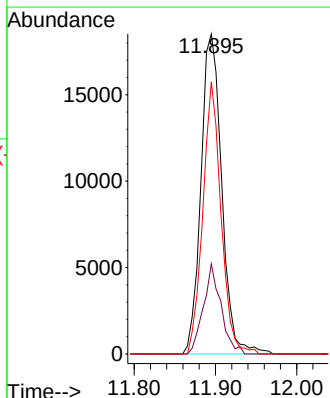
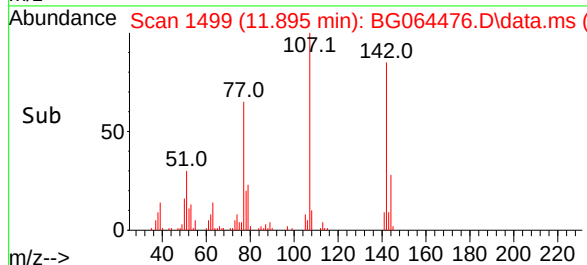
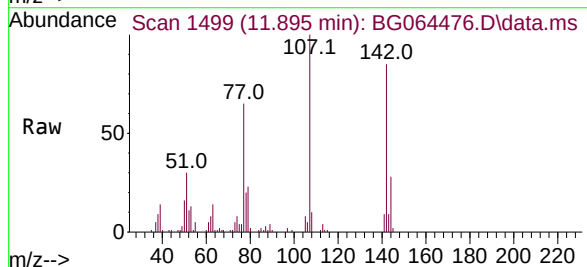
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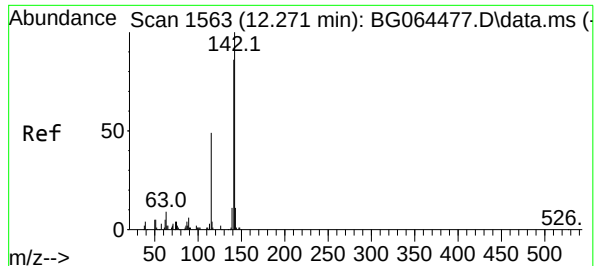
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#36
4-Chloro-3-methylphenol
Concen: 19.795 ng
RT: 11.895 min Scan# 1499
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

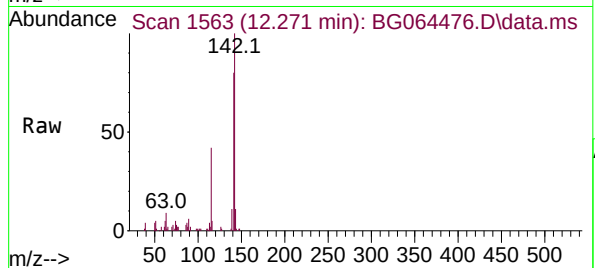
Tgt Ion:107 Resp: 32921
Ion Ratio Lower Upper
107 100
144 28.1 18.7 28.1#
142 85.0 60.2 90.2





#37
2-Methylnaphthalene
Concen: 19.995 ng
RT: 12.271 min Scan# 1563
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

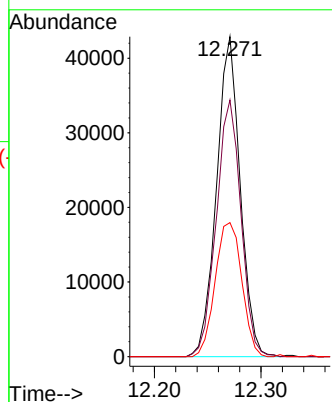
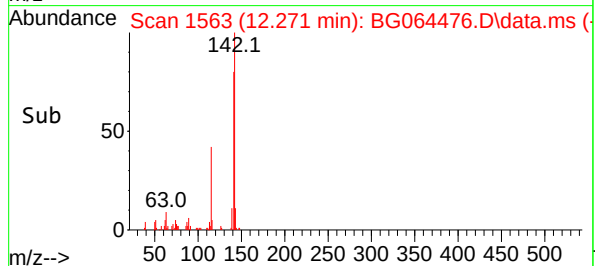
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:142 Resp: 66302
Ion Ratio Lower Upper
142 100
141 80.2 68.7 103.1
115 41.9 39.3 58.9

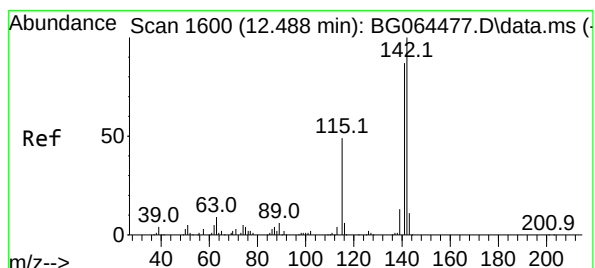
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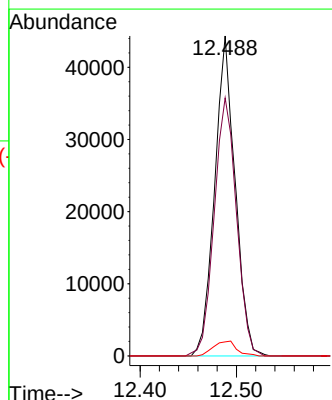
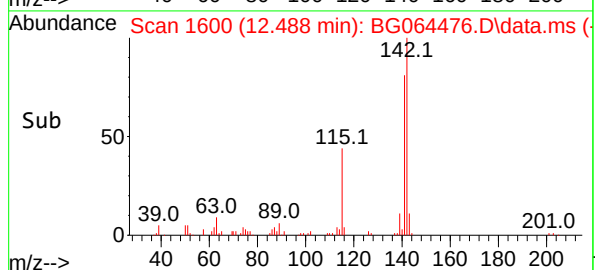
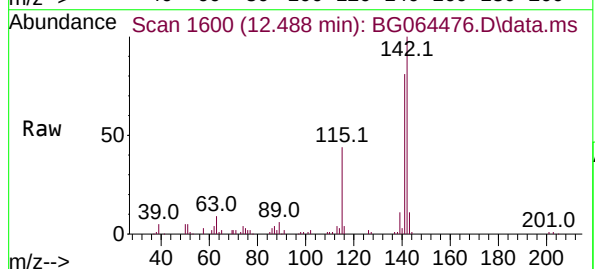
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Upadhyay

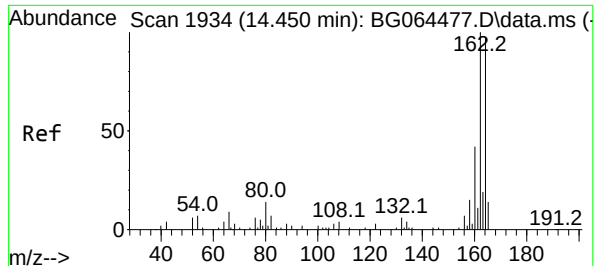
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#38
1-Methylnaphthalene
Concen: 19.840 ng m
RT: 12.488 min Scan# 1600
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:142 Resp: 65599
Ion Ratio Lower Upper
142 100
141 80.6 69.8 104.8
116 4.4 4.6 6.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1934

Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:164 Resp: 65289

Ion Ratio Lower Upper

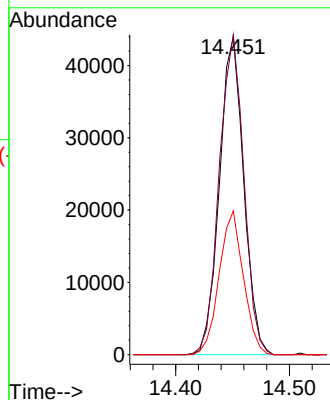
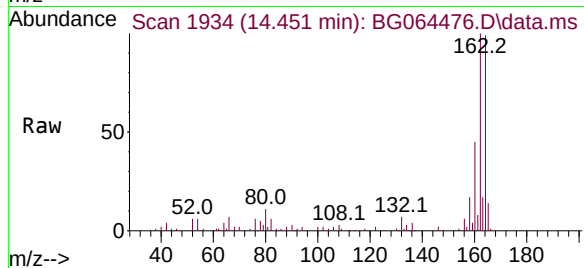
164 100

162 100.8 82.2 123.2

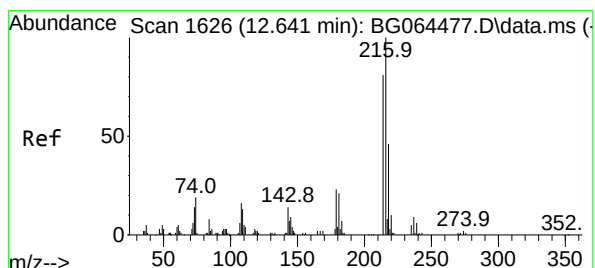
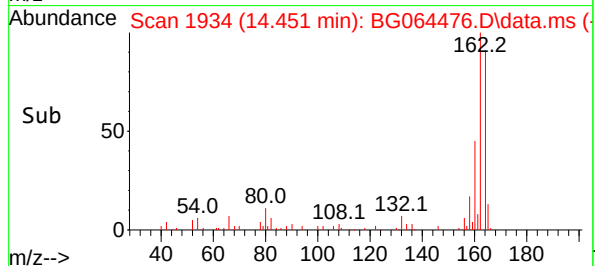
160 45.3 34.3 51.5

Manual Integrations

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Upadhyay

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 19.252 ng

RT: 12.641 min Scan# 1626

Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

Tgt Ion:216 Resp: 40584

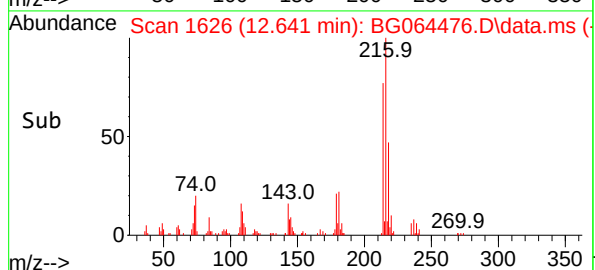
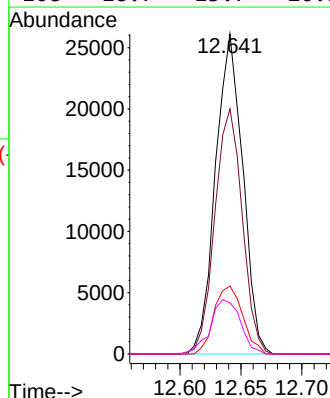
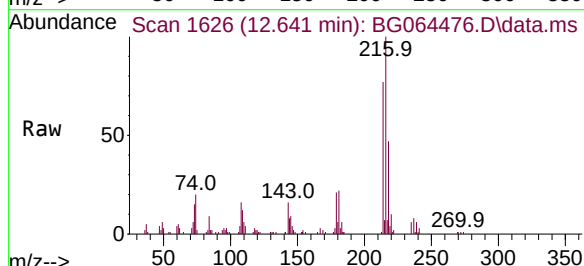
Ion Ratio Lower Upper

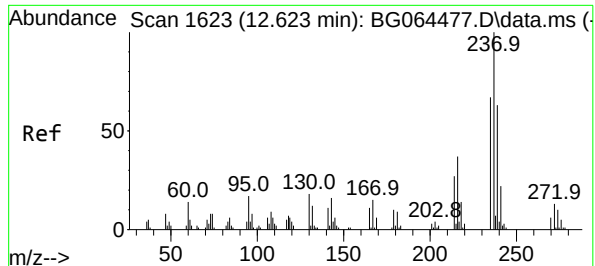
216 100

214 77.0 62.5 93.7

179 22.3 17.0 25.6

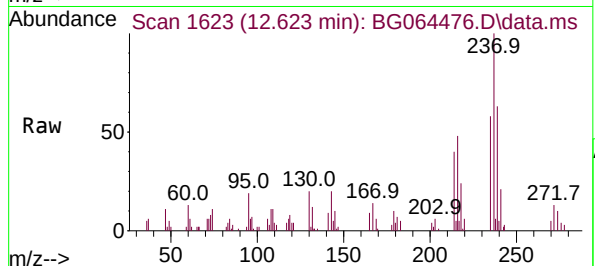
108 18.7 13.7 20.5





#41
Hexachlorocyclopentadiene
Concen: 17.510 ng
RT: 12.623 min Scan# 1623
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

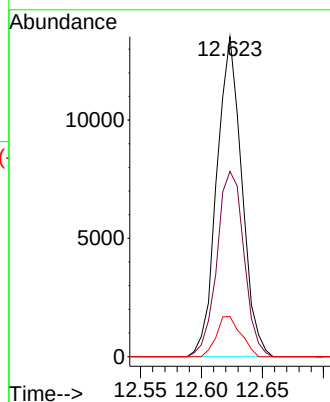
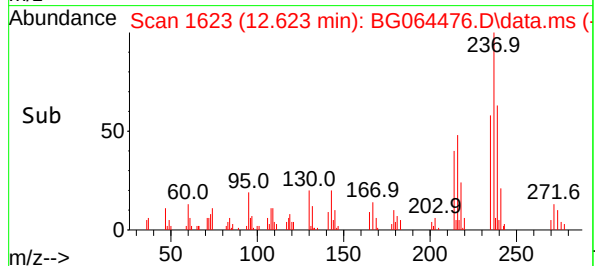
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:237 Resp: 19309
Ion Ratio Lower Upper
237 100
235 57.9 46.9 86.9
272 12.5 0.0 32.6

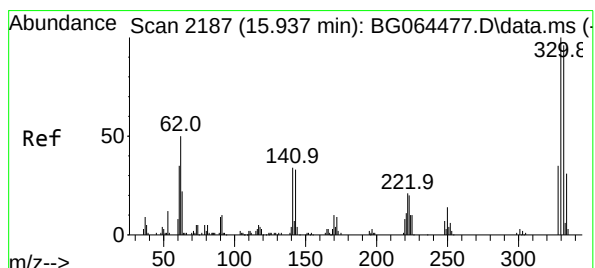
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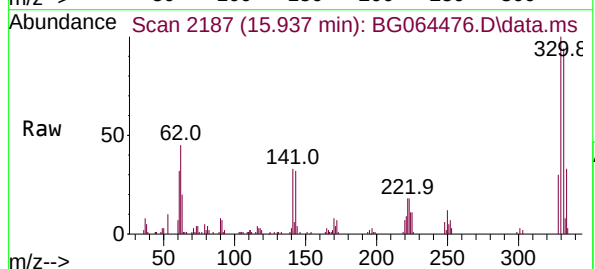


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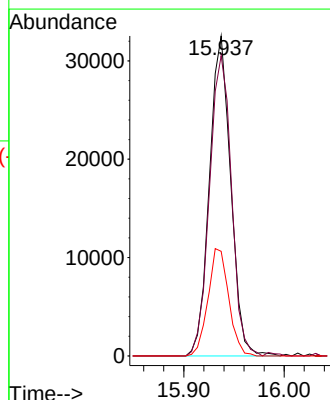
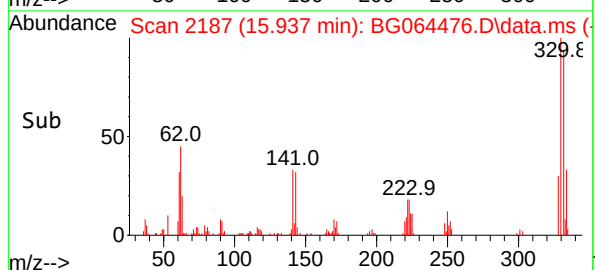
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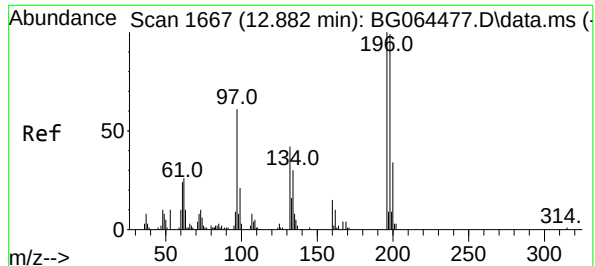


#42
2,4,6-Tribromophenol
Concen: 40.505 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33



Tgt Ion:330 Resp: 47936
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.0
141 32.7 25.8 38.6





#43
2,4,6-Trichlorophenol
Concen: 19.167 ng
RT: 12.876 min Scan# 1666
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Instrument :

BNA_G

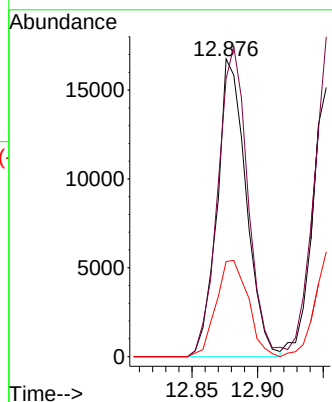
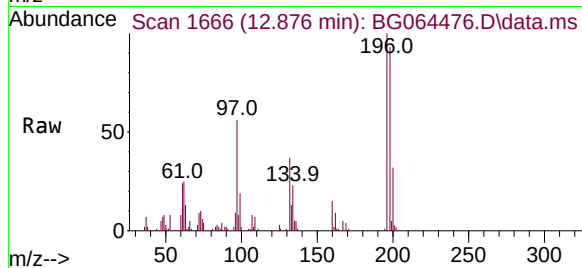
ClientSampleId :

SSTDICC020

Tgt Ion	196	Resp	25830
Ion Ratio	Lower	Upper	
196	100		
198	93.4	79.3	118.9
200	31.9	27.4	41.2

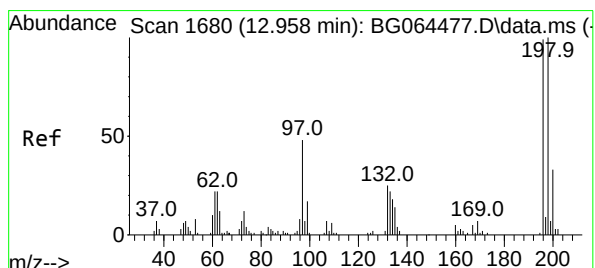
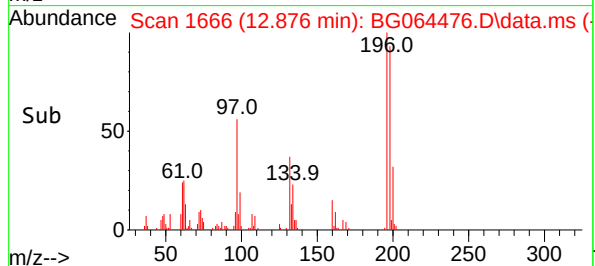
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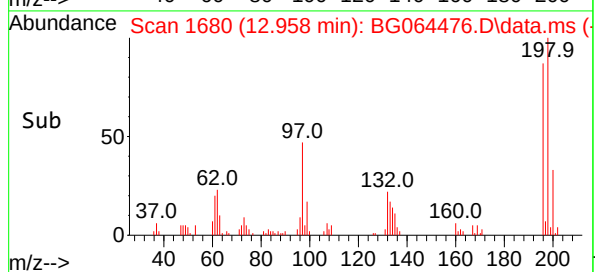
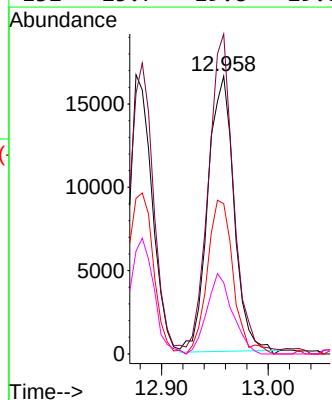
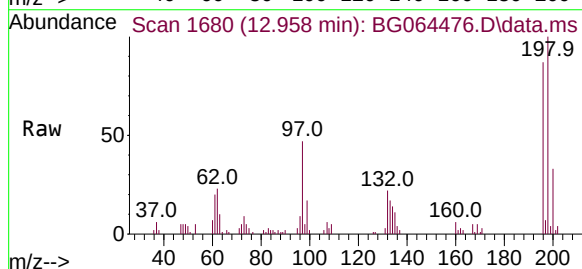
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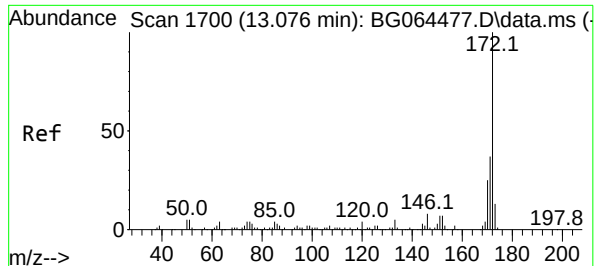
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#44
2,4,5-Trichlorophenol
Concen: 18.678 ng
RT: 12.958 min Scan# 1680
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

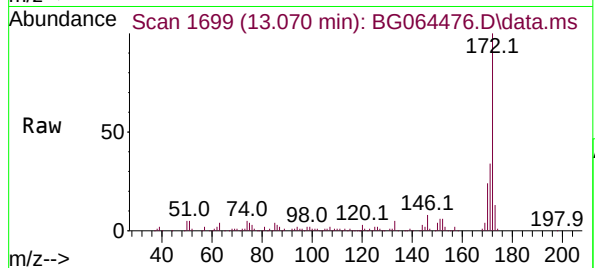
Tgt Ion	196	Resp	28101
Ion Ratio	Lower	Upper	
196	100		
198	115.2	80.3	120.5
97	54.1	39.4	59.0
132	25.7	19.8	29.8





#45
2-Fluorobiphenyl
Concen: 39.679 ng
RT: 13.070 min Scan# 1699
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

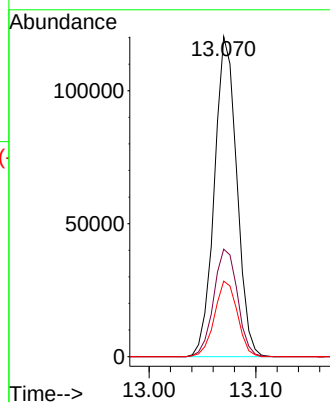
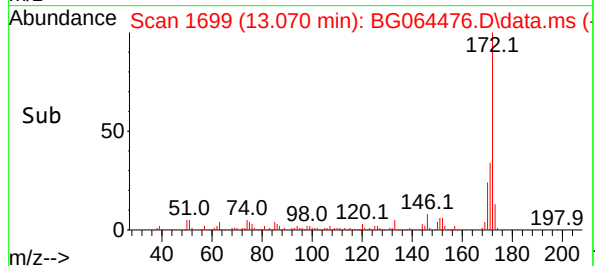
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:172 Resp: 175754
Ion Ratio Lower Upper
172 100
171 33.6 29.6 44.4
170 23.6 20.2 30.2

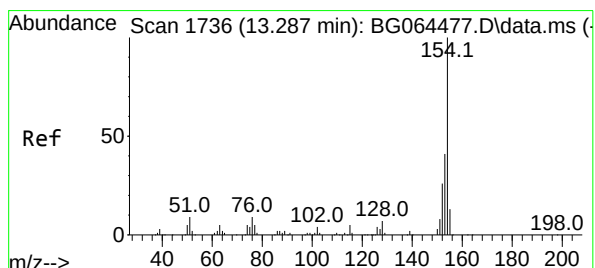
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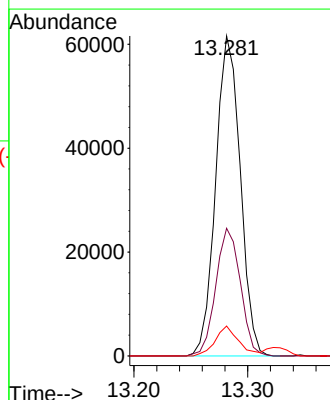
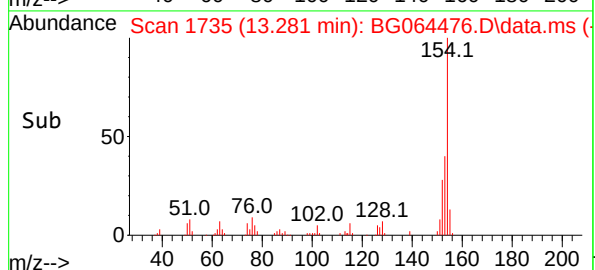
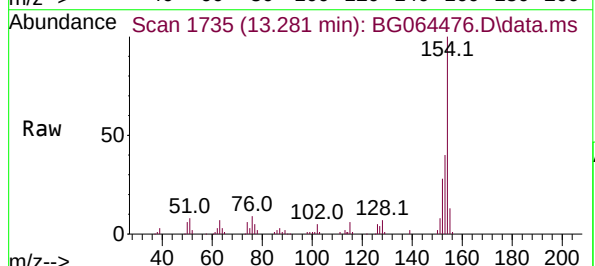
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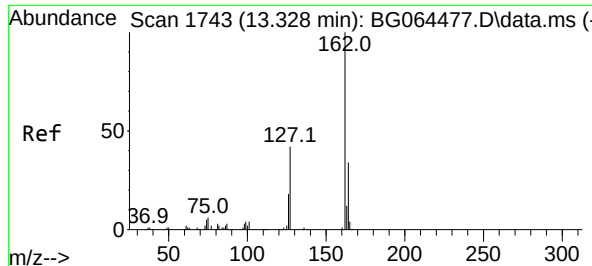
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#46
1,1'-Biphenyl
Concen: 19.695 ng
RT: 13.281 min Scan# 1735
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

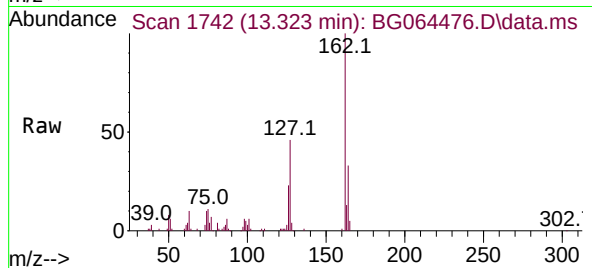
Tgt Ion:154 Resp: 92485
Ion Ratio Lower Upper
154 100
153 39.9 20.7 60.7
76 9.3 0.0 29.3





#47
2-Chloronaphthalene
Concen: 19.473 ng
RT: 13.323 min Scan# 1742
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

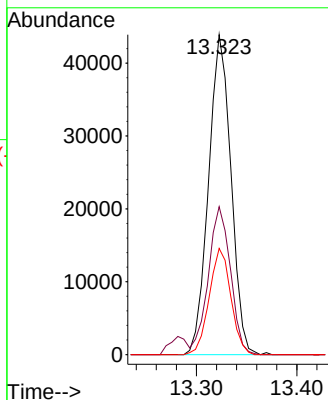
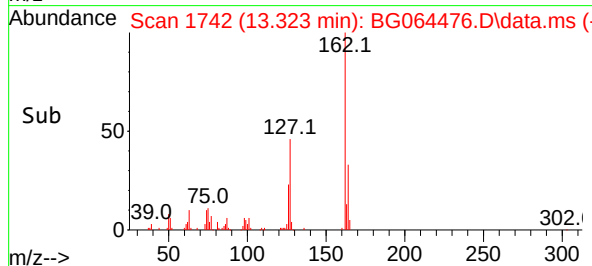
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:162 Resp: 68272
Ion Ratio Lower Upper
162 100
127 46.2 35.8 53.8
164 33.2 27.2 40.8

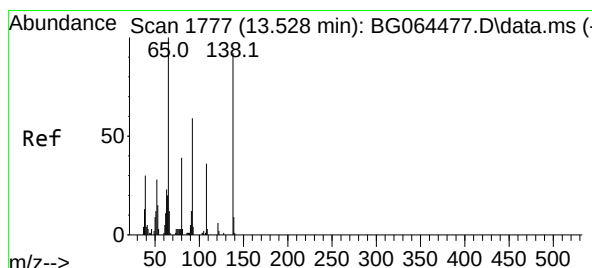
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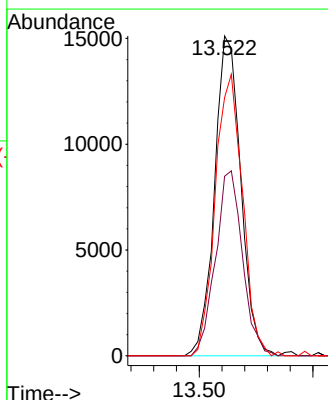
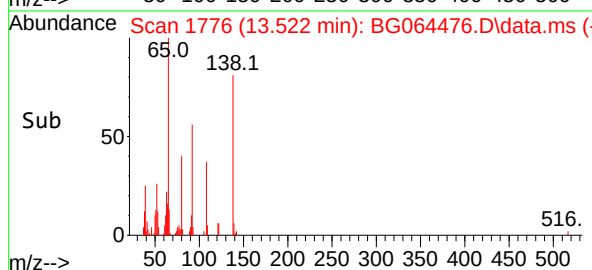
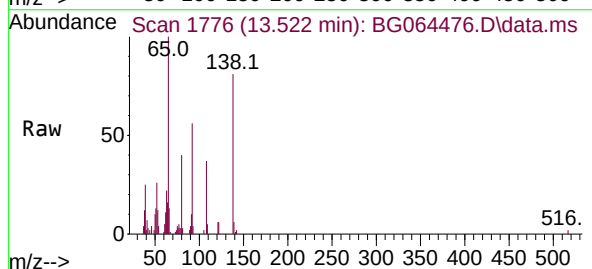
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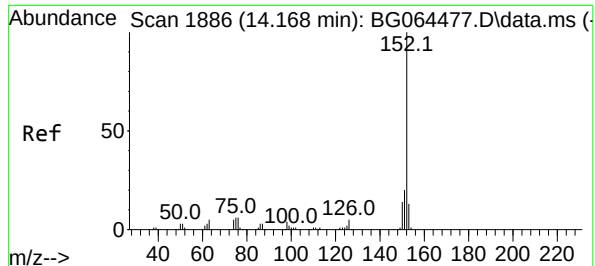
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#48
2-Nitroaniline
Concen: 20.234 ng
RT: 13.522 min Scan# 1776
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 65 Resp: 24212
Ion Ratio Lower Upper
65 100
92 56.1 47.0 70.6
138 80.7 73.5 110.3





#49

Acenaphthylene

Concen: 19.727 ng

RT: 14.169 min Scan# 1886

Delta R.T. -0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:152 Resp: 102668

Ion Ratio Lower Upper

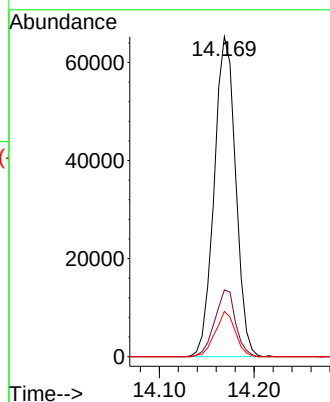
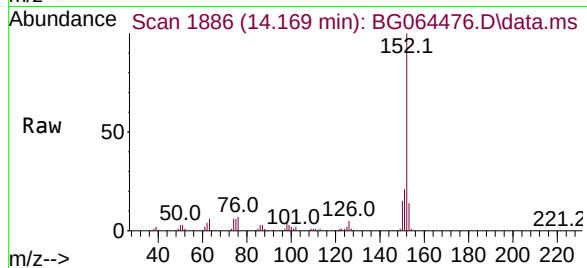
152 100

151 20.8 15.8 23.6

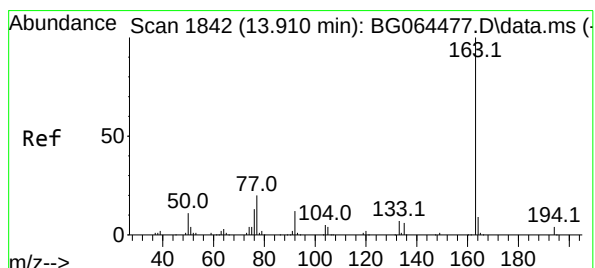
153 14.1 10.6 15.8

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Upadhyay

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#50

Dimethylphthalate

Concen: 20.204 ng

RT: 13.904 min Scan# 1841

Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

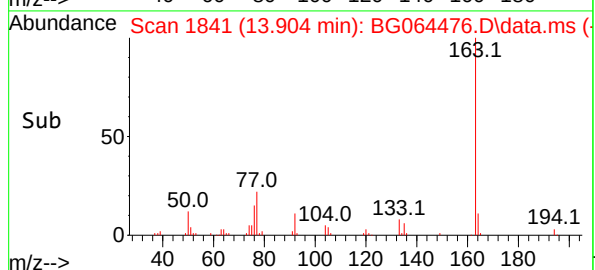
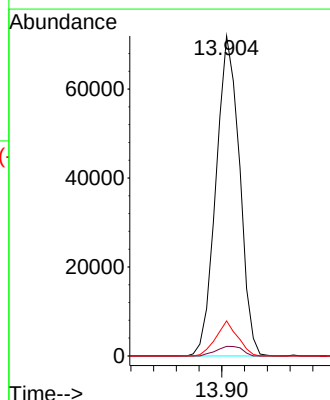
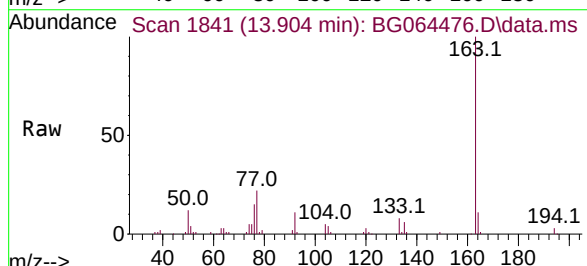
Tgt Ion:163 Resp: 103311

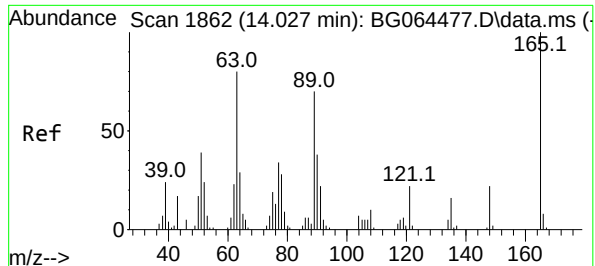
Ion Ratio Lower Upper

163 100

194 3.0 2.9 4.3

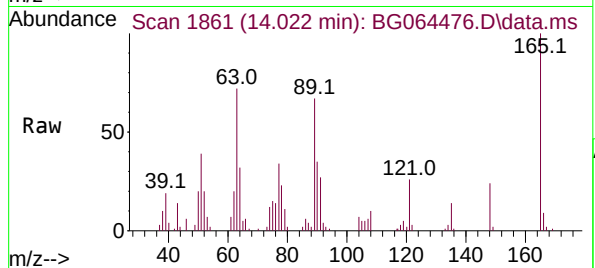
164 10.9 7.4 11.0





#51
2,6-Dinitrotoluene
Concen: 20.559 ng
RT: 14.022 min Scan# 1862
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

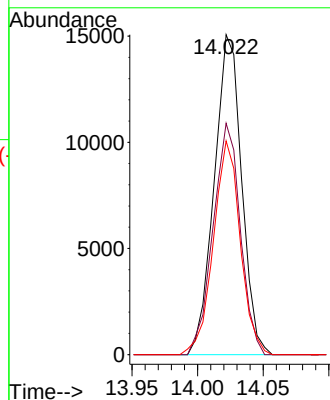
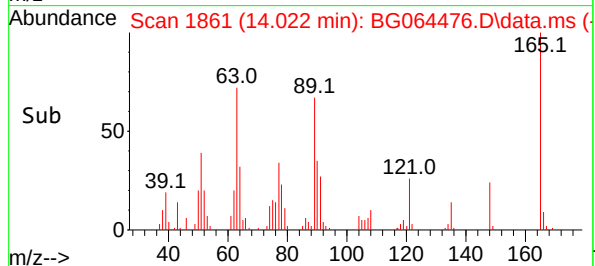
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 21899
Ion Ratio Lower Upper
165 100
63 72.3 63.9 95.9
89 66.8 56.1 84.1

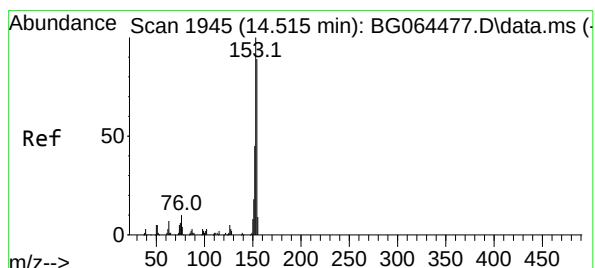
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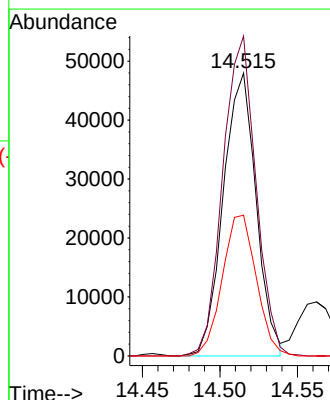
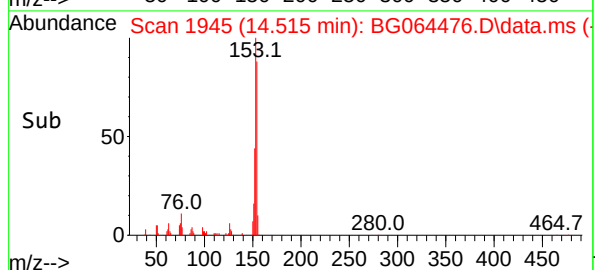
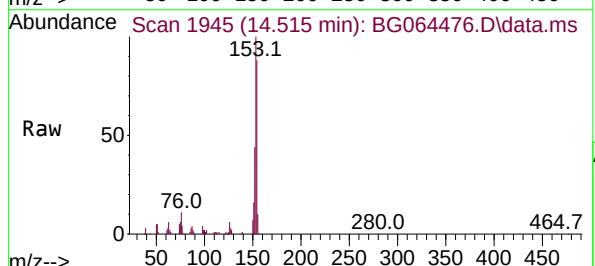
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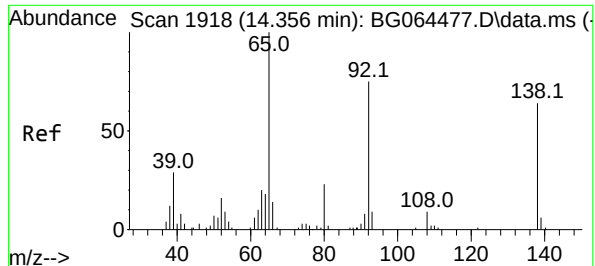
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#52
Acenaphthene
Concen: 19.604 ng
RT: 14.515 min Scan# 1945
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

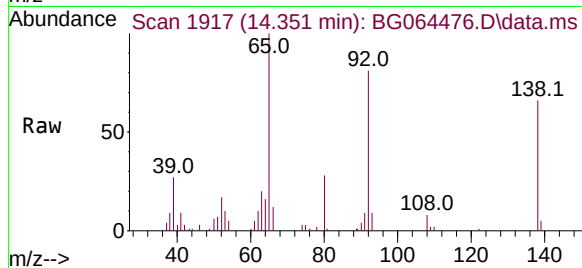
Tgt Ion:154 Resp: 70884
Ion Ratio Lower Upper
154 100
153 113.1 90.2 135.4
152 49.7 40.2 60.4





#53
3-Nitroaniline
Concen: 19.956 ng
RT: 14.351 min Scan# 1917
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

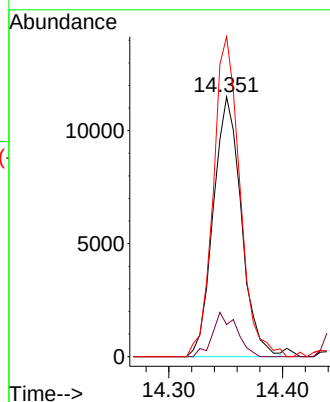
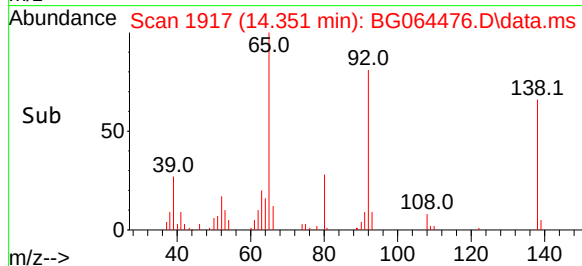
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:138 Resp: 19604
Ion Ratio Lower Upper
138 100
108 12.4 10.6 15.8
92 123.2 93.2 139.8

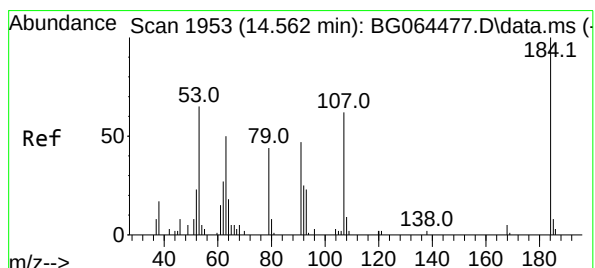
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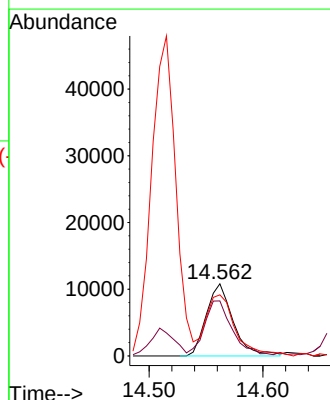
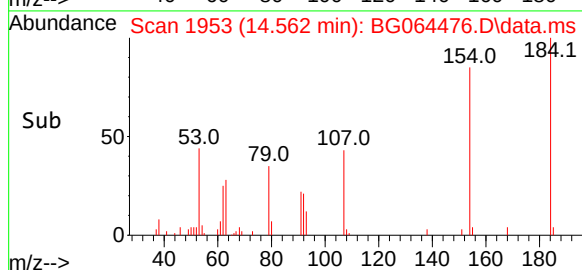
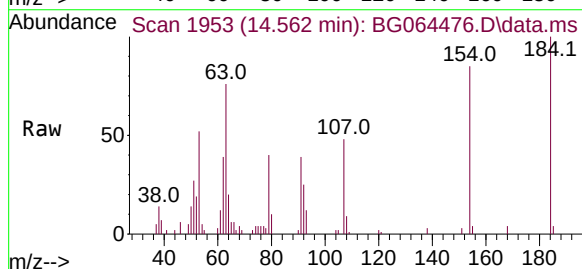
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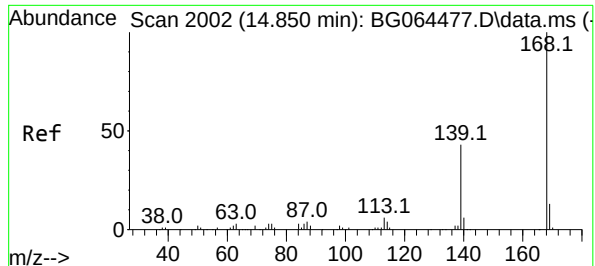
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#54
2,4-Dinitrophenol
Concen: 22.843 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

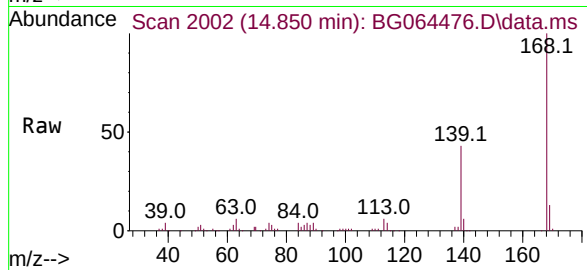
Tgt Ion:184 Resp: 17644
Ion Ratio Lower Upper
184 100
63 76.3 69.0 103.4
154 84.7 95.6 143.4#





#55
Dibenzenofuran
Concen: 19.680 ng
RT: 14.850 min Scan# 2002
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

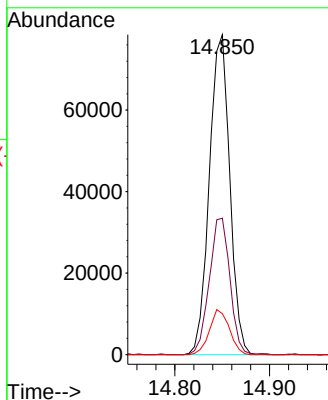
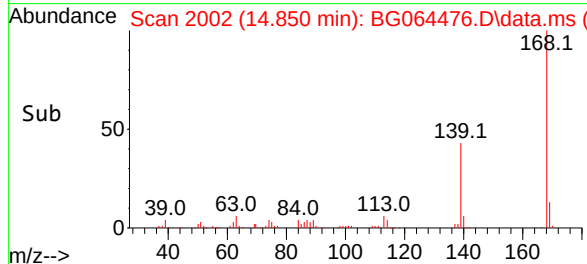
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:168 Resp: 117496
Ion Ratio Lower Upper
168 100
139 42.6 34.0 51.0
169 12.8 10.2 15.2

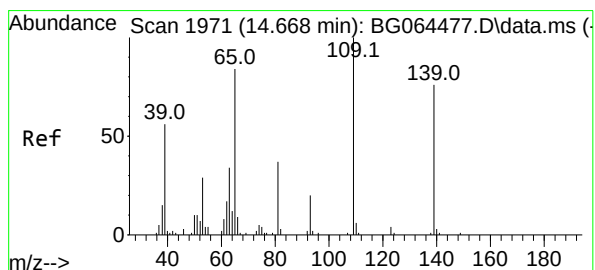
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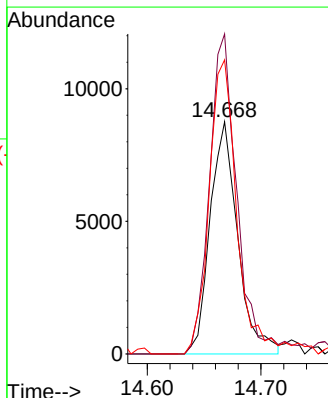
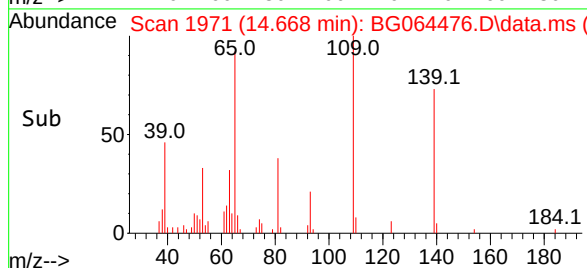
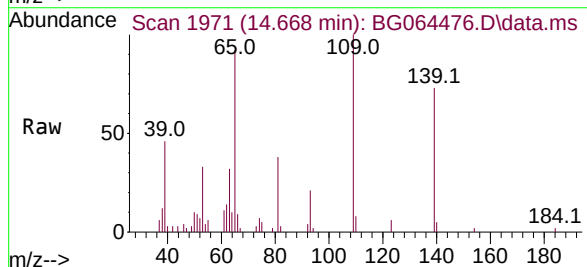
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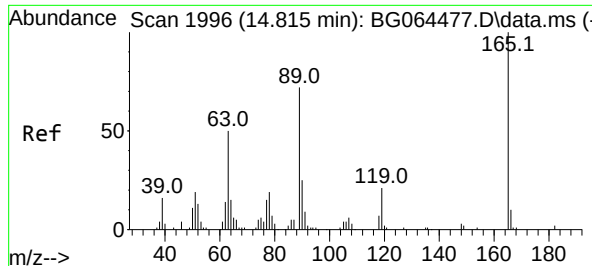
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#56
4-Nitrophenol
Concen: 19.183 ng
RT: 14.668 min Scan# 1971
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

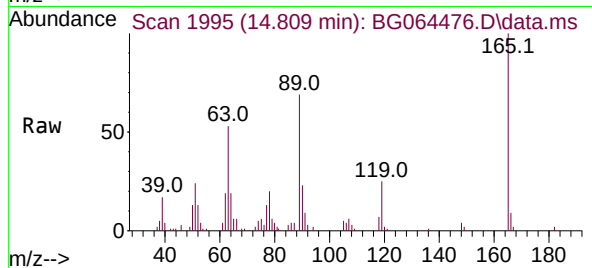
Tgt Ion:139 Resp: 14837
Ion Ratio Lower Upper
139 100
109 137.9 111.8 151.8
65 126.7 91.1 131.1





#57
2,4-Dinitrotoluene
Concen: 19.567 ng
RT: 14.809 min Scan# 1996
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

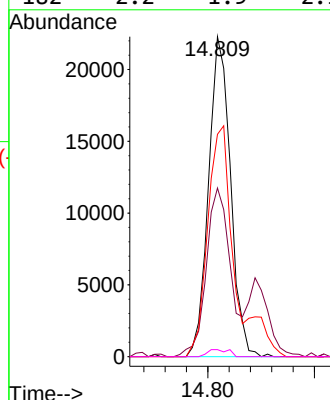
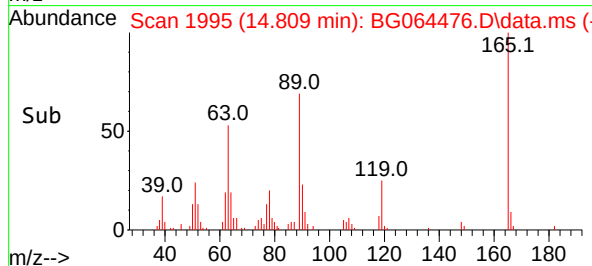
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 31862
Ion Ratio Lower Upper
165 100
63 52.7 40.4 60.6
89 69.5 57.3 85.9
182 2.2 1.9 2.9

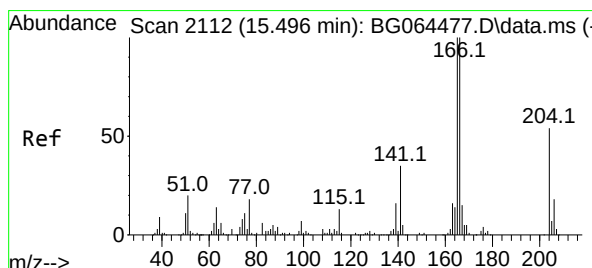
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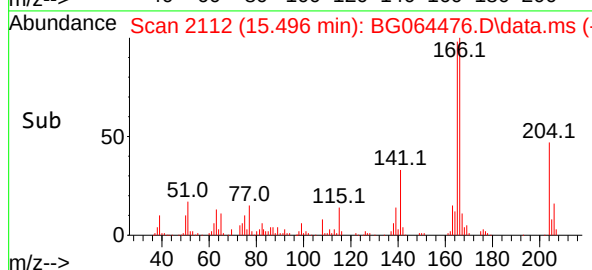
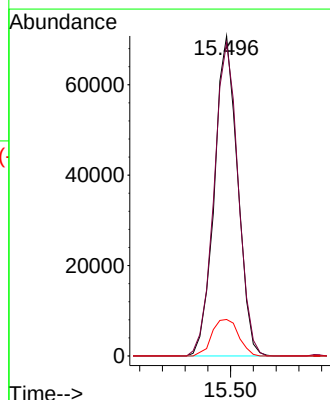
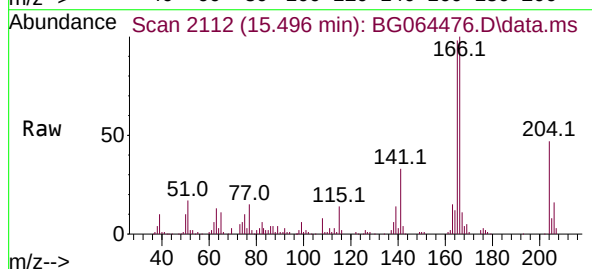
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Supervised By :Jagrut
Upadhyay

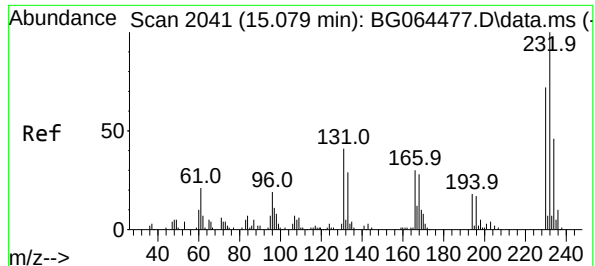
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#58
Fluorene
Concen: 20.190 ng
RT: 15.496 min Scan# 2112
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

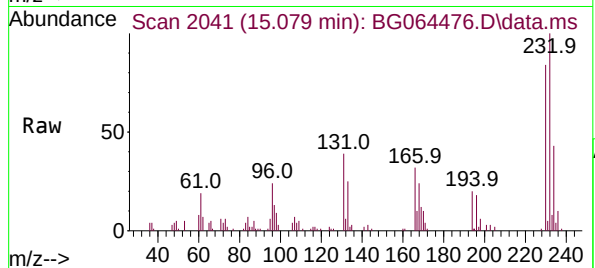
Tgt Ion:166 Resp: 100209
Ion Ratio Lower Upper
166 100
165 97.9 79.8 119.6
167 11.4 11.7 17.5#





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.205 ng
RT: 15.079 min Scan# 2041
Delta R.T. 0.008 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

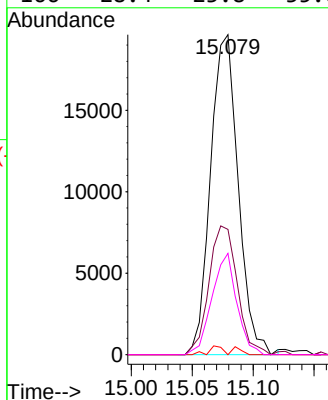
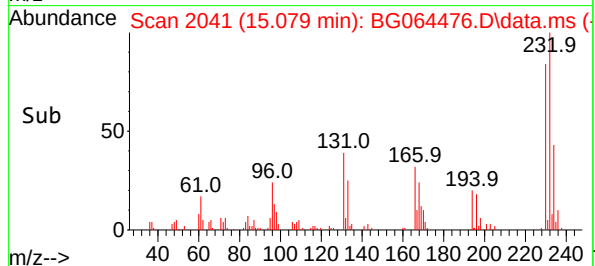
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:232 Resp: 31023
Ion Ratio Lower Upper
232 100
131 41.2 35.0 52.4
130 1.3 2.0 3.0
166 28.4 23.8 35.6

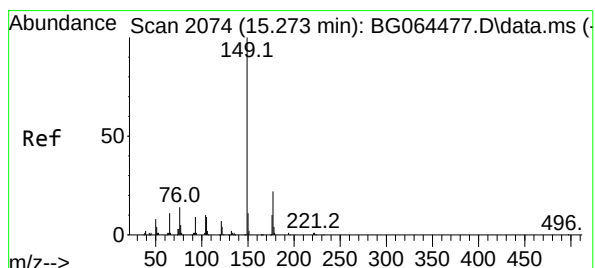
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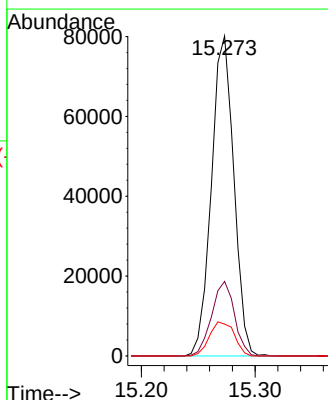
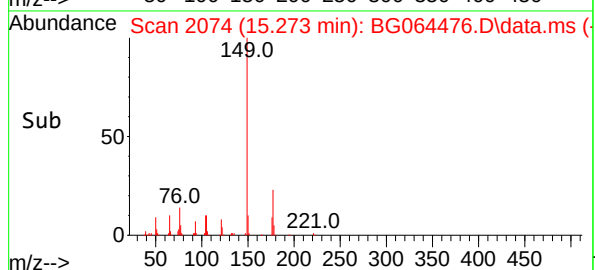
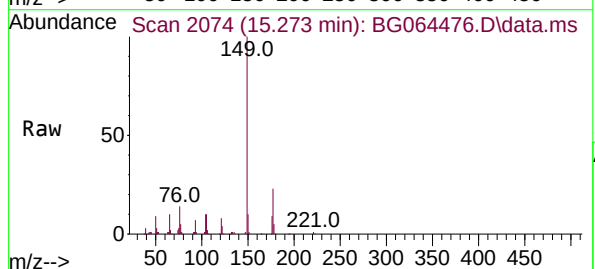
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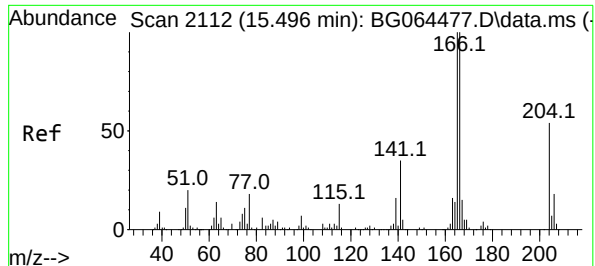
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#60
Diethylphthalate
Concen: 19.981 ng
RT: 15.273 min Scan# 2074
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:149 Resp: 109604
Ion Ratio Lower Upper
149 100
177 23.3 17.4 26.0
150 10.0 9.1 13.7





#61
4-Chlorophenyl-phenylether
Concen: 20.205 ng
RT: 15.491 min Scan# 2111
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Instrument :

BNA_G

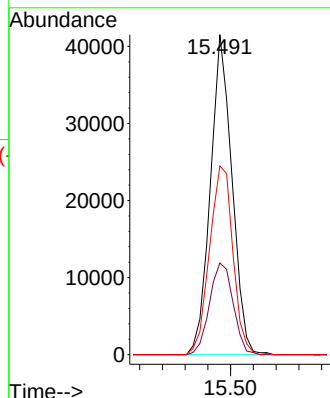
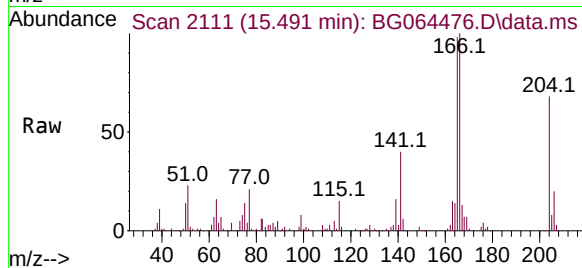
ClientSampleId :

SSTDICC020

Tgt Ion:204 Resp: 5475
Ion Ratio Lower Upper
204 100
206 28.6 27.1 40.7
141 58.9 51.5 77.3

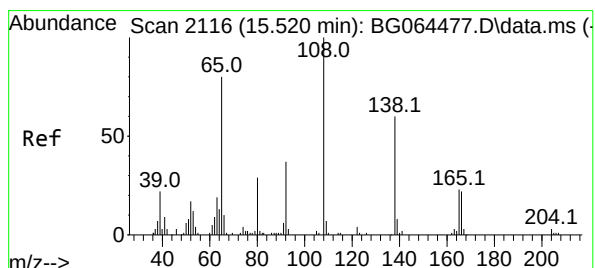
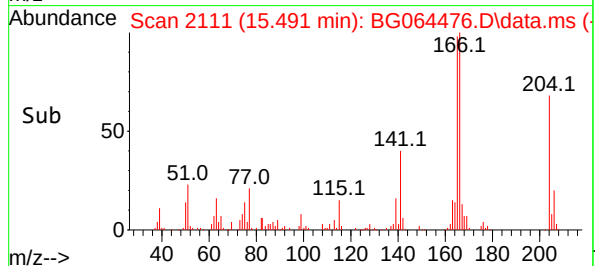
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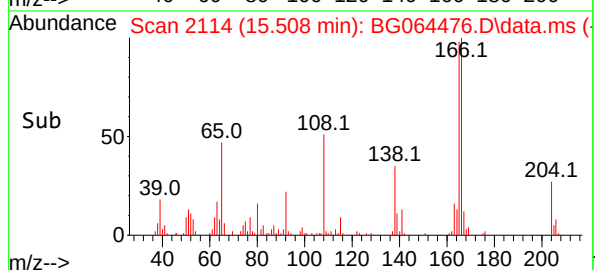
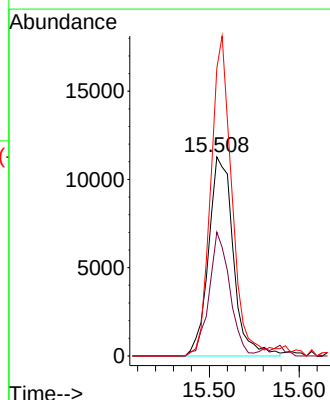
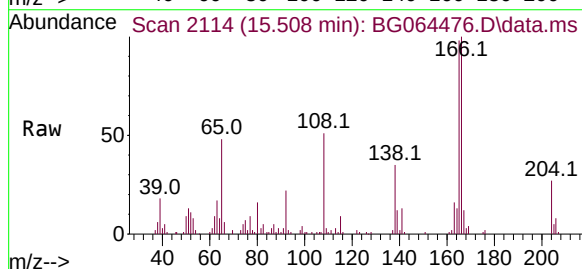
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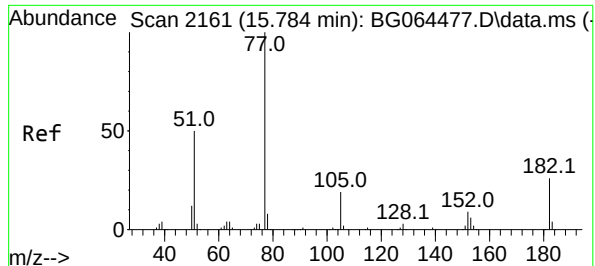
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#62
4-Nitroaniline
Concen: 21.091 ng
RT: 15.508 min Scan# 2114
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

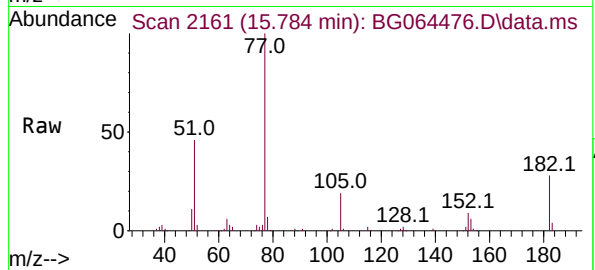
Tgt Ion:138 Resp: 21595
Ion Ratio Lower Upper
138 100
92 62.2 42.3 82.3
108 144.5 147.7 187.7#





#63
Azobenzene
Concen: 20.370 ng
RT: 15.784 min Scan# 2161
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

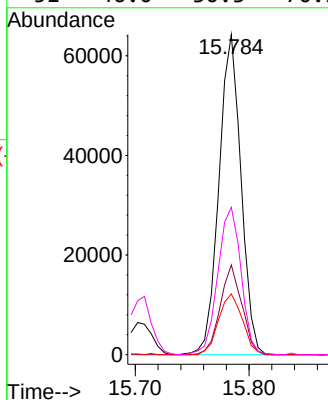
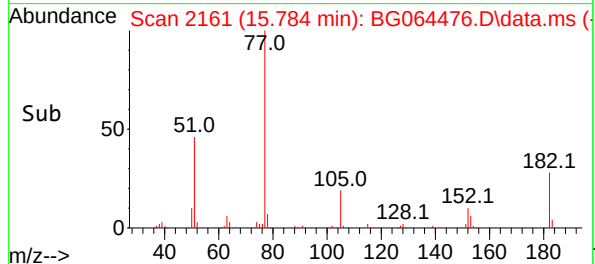
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 86539
Ion Ratio Lower Upper
77 100
182 28.0 6.3 46.3
105 19.0 0.0 38.7
51 46.0 30.3 70.3

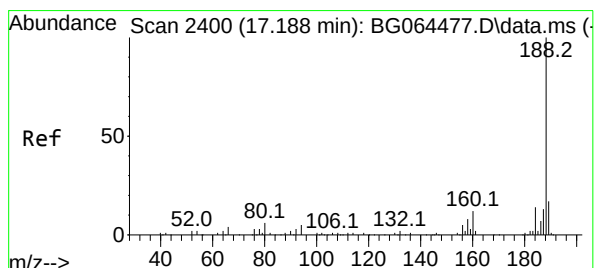
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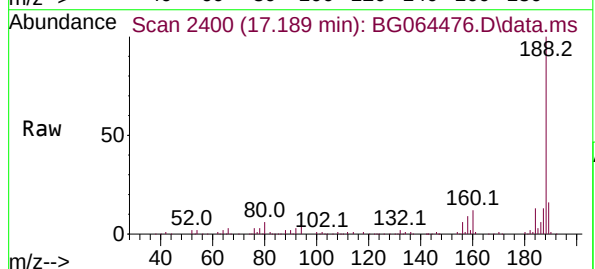


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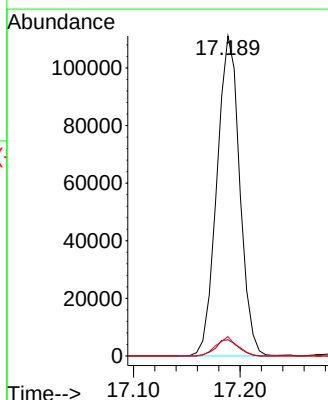
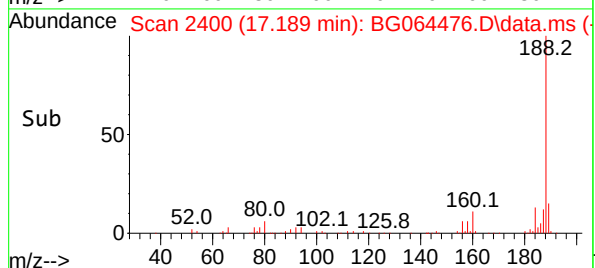
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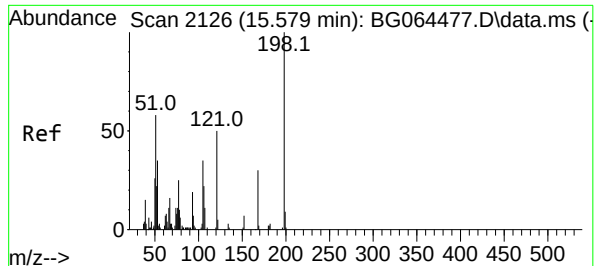


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33



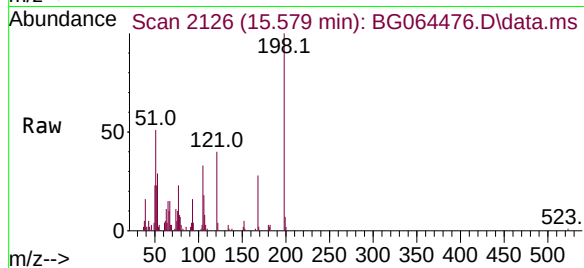
Tgt Ion:188 Resp: 165571
Ion Ratio Lower Upper
188 100
94 5.0 3.7 5.5
80 6.0 4.5 6.7





#65
4,6-Dinitro-2-methylphenol
Concen: 19.942 ng
RT: 15.579 min Scan# 2126
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

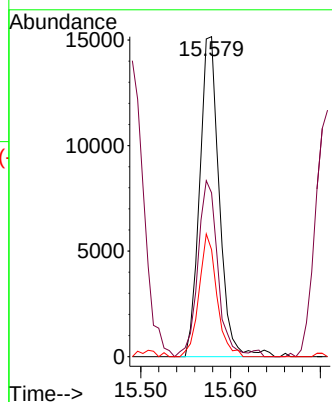
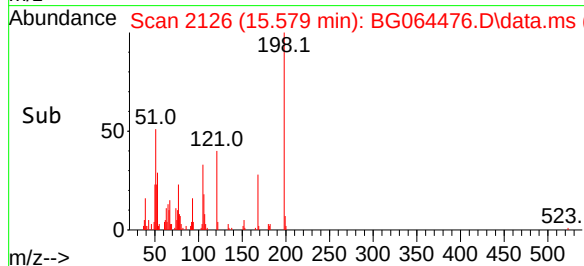
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:198 Resp: 22989
Ion Ratio Lower Upper
198 100
51 51.2 39.0 79.0
105 33.4 15.8 55.8

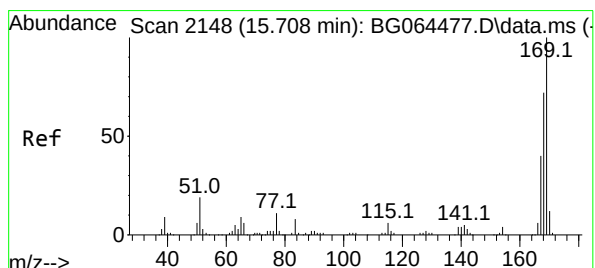
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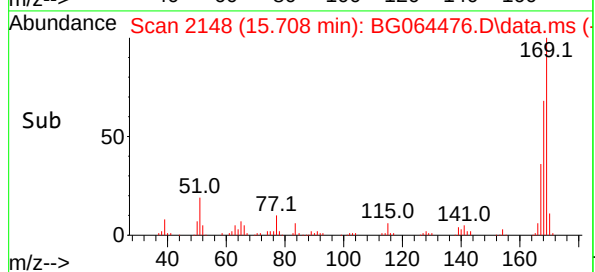
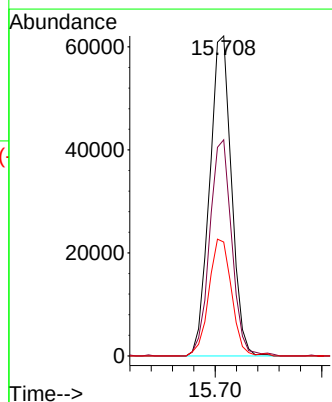
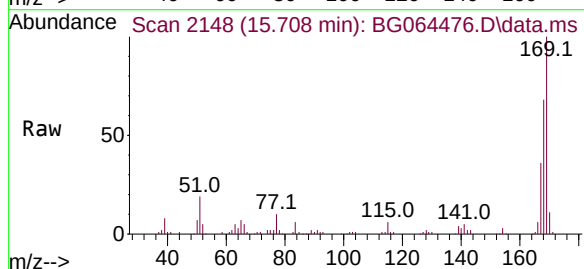
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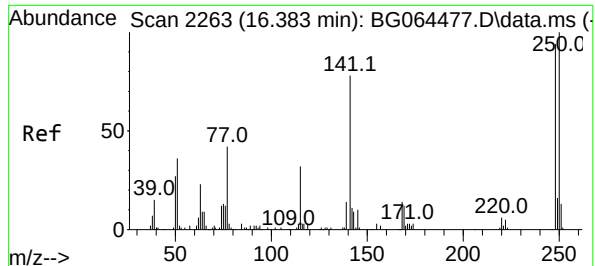
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#66
n-Nitrosodiphenylamine
Concen: 19.986 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

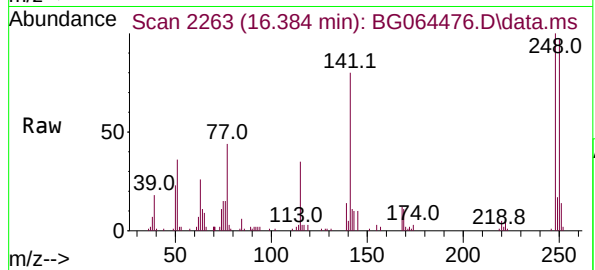
Tgt Ion:169 Resp: 88367
Ion Ratio Lower Upper
169 100
168 67.5 57.8 86.6
167 35.6 31.7 47.5





#67
4-Bromophenyl-phenylether
Concen: 19.310 ng
RT: 16.384 min Scan# 2263
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

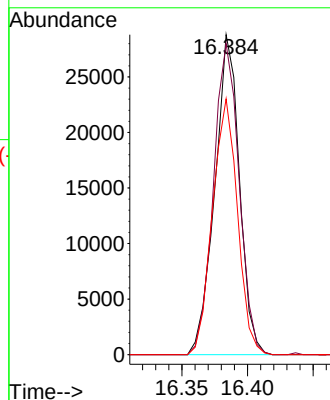
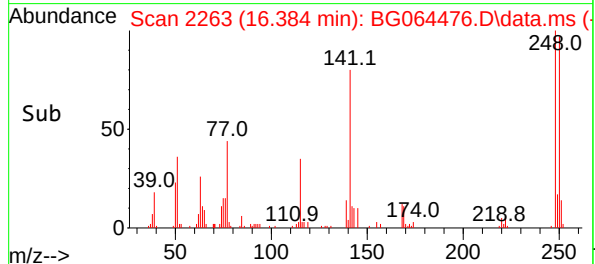
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:248 Resp: 37623
Ion Ratio Lower Upper
248 100
250 97.2 85.3 127.9
141 79.9 66.2 99.2

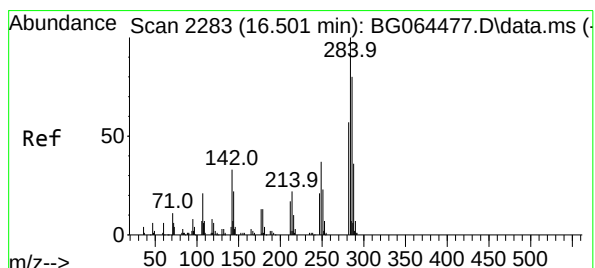
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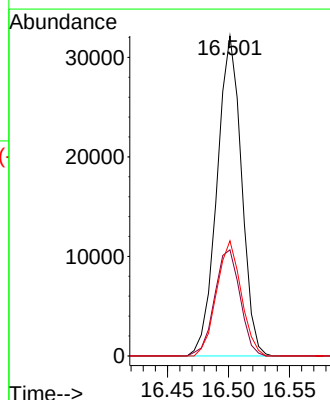
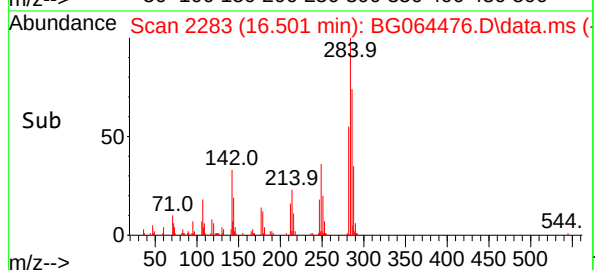
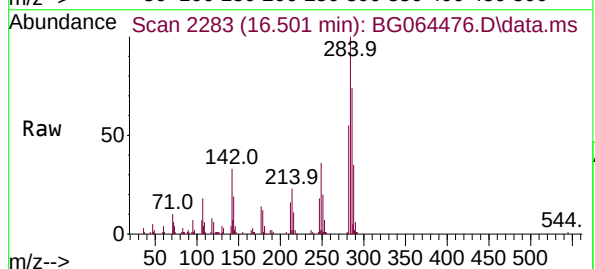
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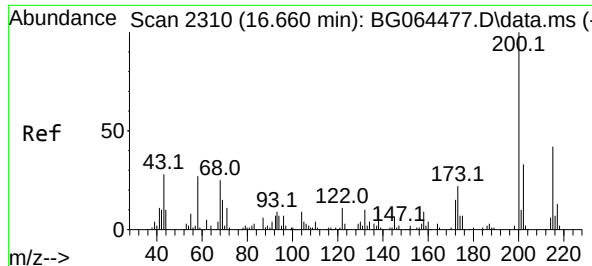
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#68
Hexachlorobenzene
Concen: 20.185 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

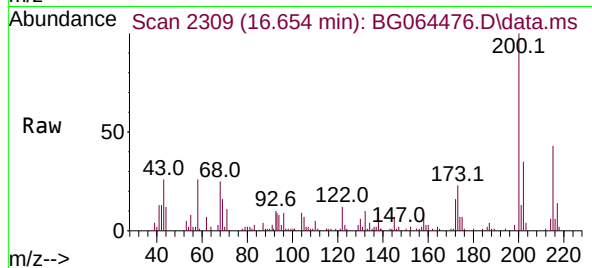
Tgt Ion:284 Resp: 45002
Ion Ratio Lower Upper
284 100
142 33.1 26.2 39.2
249 36.0 29.4 44.0





#69
 Atrazine
 Concen: 20.769 ng
 RT: 16.654 min Scan# 2309
 Delta R.T. 0.003 min
 Lab File: BG064476.D
 Acq: 2 Oct 2025 11:33

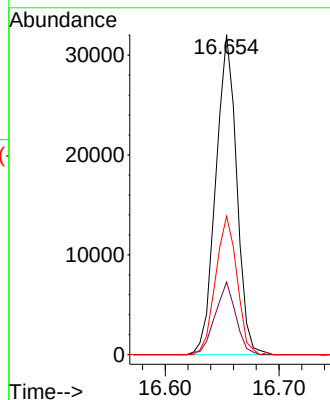
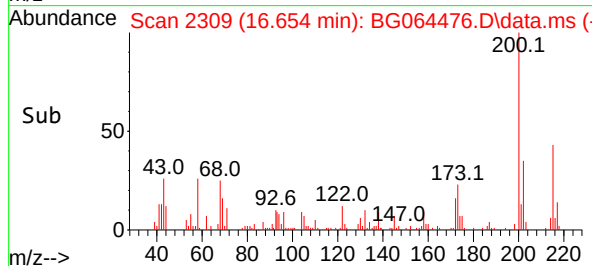
Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC020



Tgt Ion:200 Resp: 4085
 Ion Ratio Lower Upper
 200 100
 173 22.7 2.5 42.5
 215 43.3 21.5 61.5

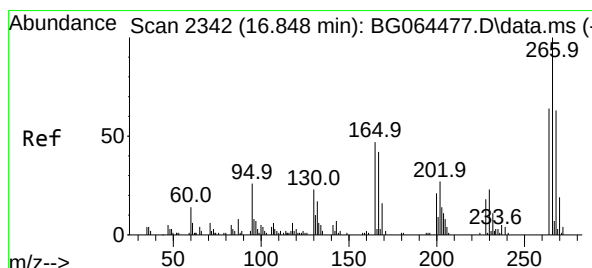
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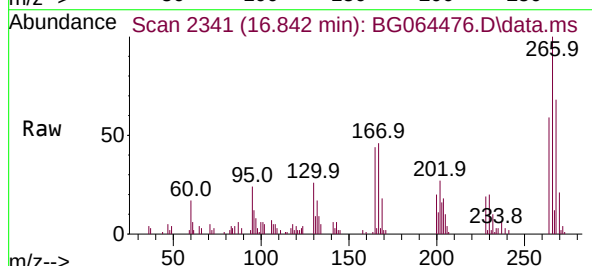


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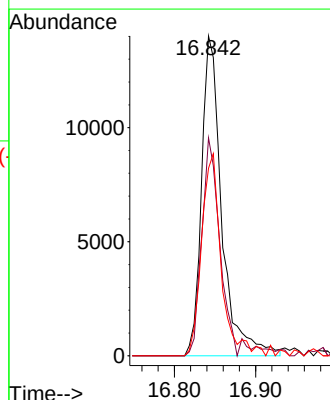
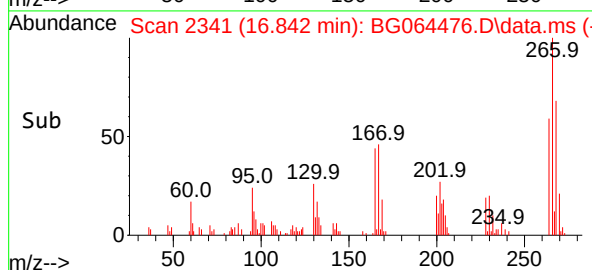
10/03/2025

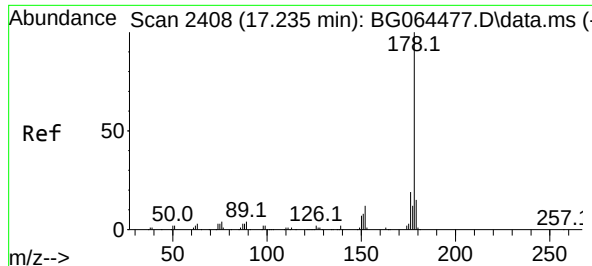


#70
 Pentachlorophenol
 Concen: 18.593 ng
 RT: 16.842 min Scan# 2341
 Delta R.T. -0.003 min
 Lab File: BG064476.D
 Acq: 2 Oct 2025 11:33



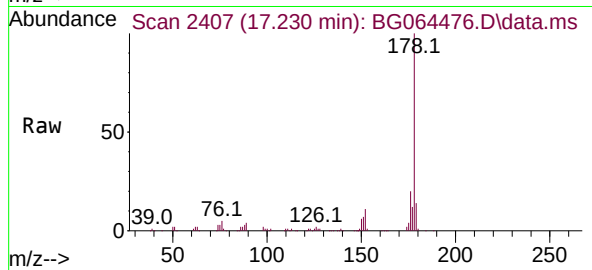
Tgt Ion:266 Resp: 24237
 Ion Ratio Lower Upper
 266 100
 268 68.1 50.6 75.8
 264 58.6 51.2 76.8





#71
Phenanthrene
Concen: 20.165 ng
RT: 17.230 min Scan# 2408
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

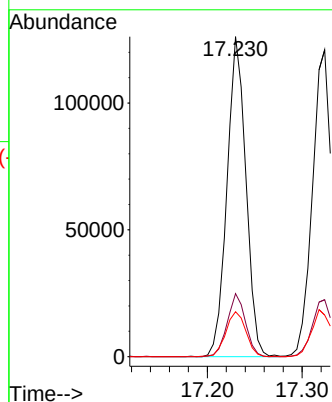
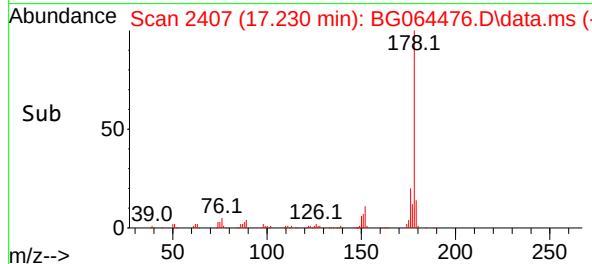
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:178 Resp: 174598
Ion Ratio Lower Upper
178 100
176 19.7 15.2 22.8
179 14.1 11.8 17.6

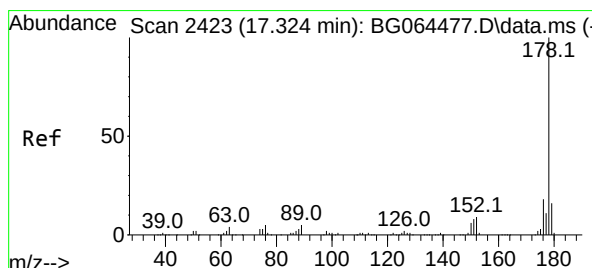
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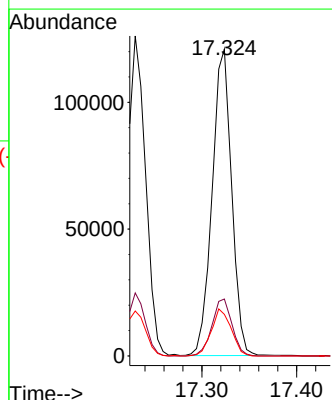
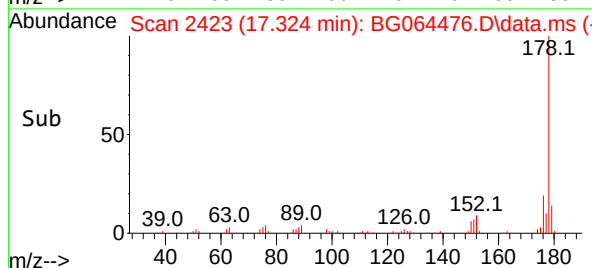
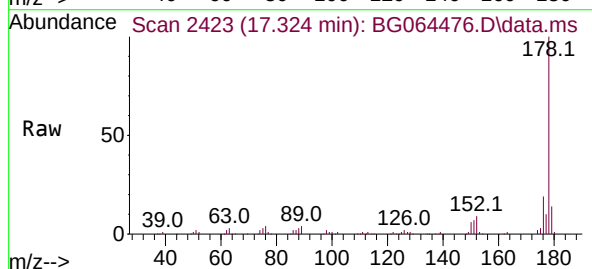
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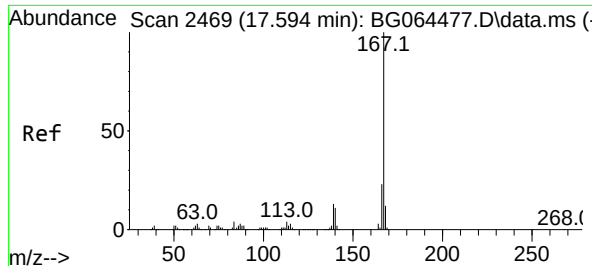
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#72
Anthracene
Concen: 19.904 ng
RT: 17.324 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

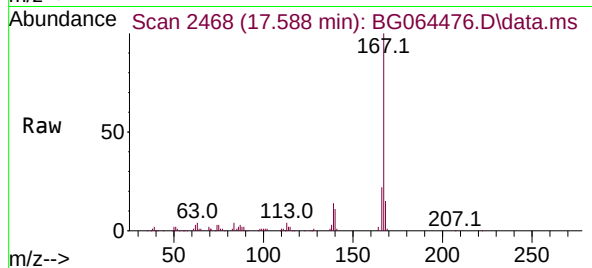
Tgt Ion:178 Resp: 172893
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 13.6 12.5 18.7





#73
Carbazole
Concen: 19.939 ng
RT: 17.588 min Scan# 2468
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

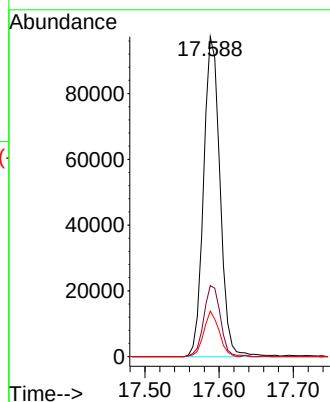
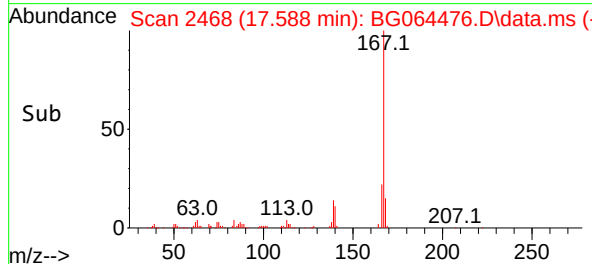
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:167 Resp: 149710
Ion Ratio Lower Upper
167 100
166 22.2 18.6 27.8
139 14.2 10.2 15.4

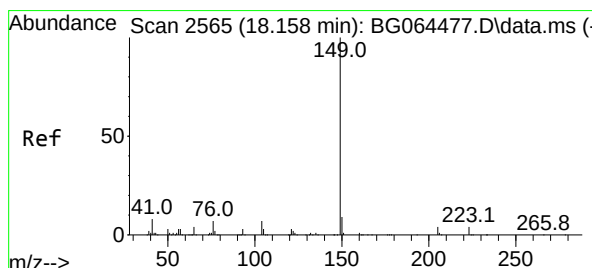
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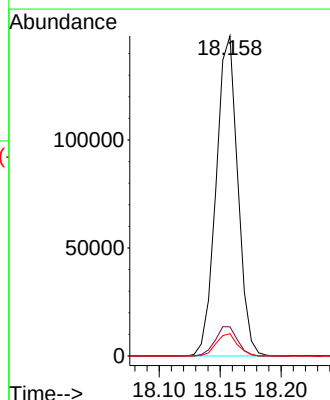
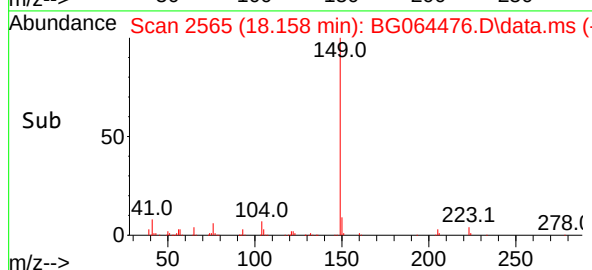
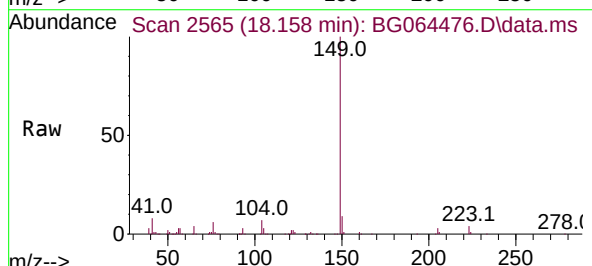
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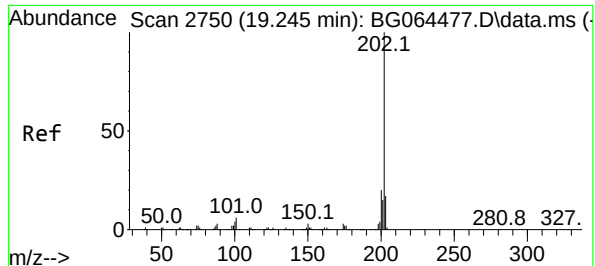
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#74
Di-n-butylphthalate
Concen: 19.955 ng
RT: 18.158 min Scan# 2565
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

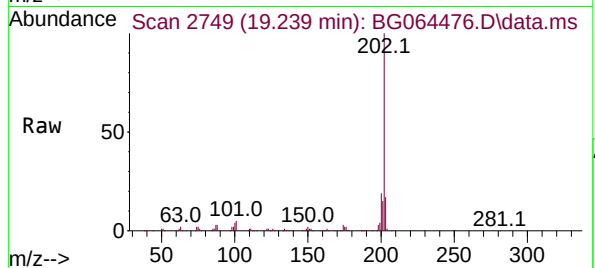
Tgt Ion:149 Resp: 182903
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 6.9 5.3 7.9





#75
Fluoranthene
Concen: 20.363 ng
RT: 19.239 min Scan# 21063
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

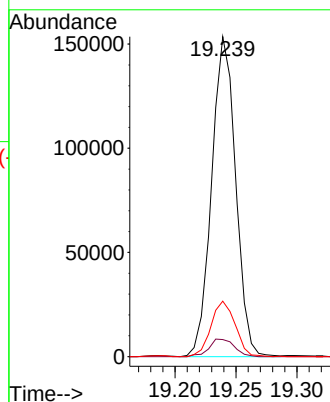
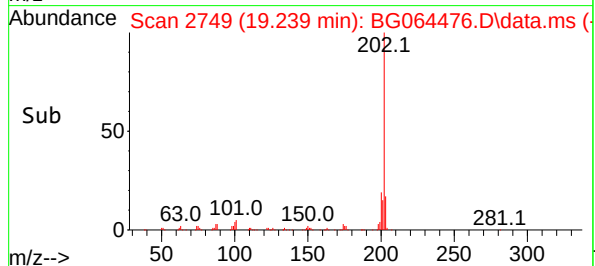
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 21063
Ion Ratio Lower Upper
202 100
101 5.3 0.0 25.7
203 17.3 0.0 36.6

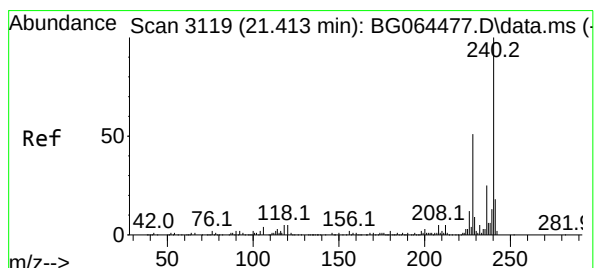
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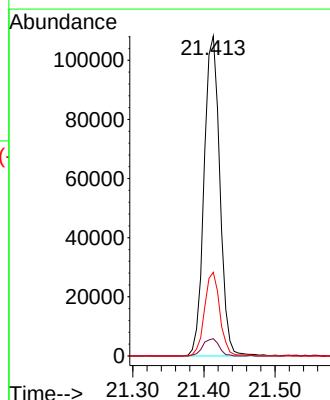
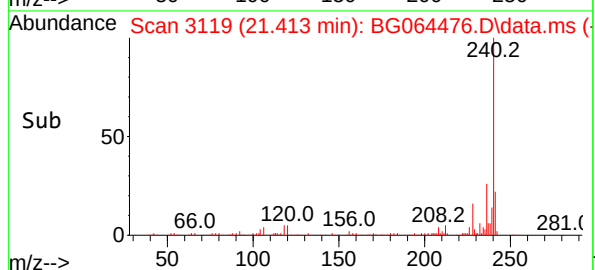
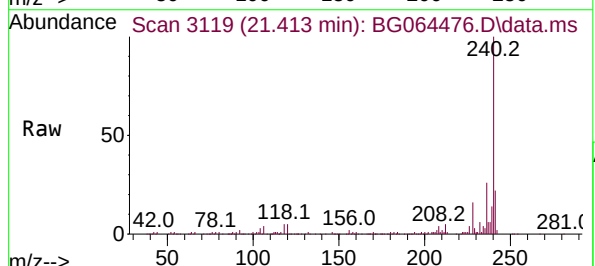
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Upadhyay

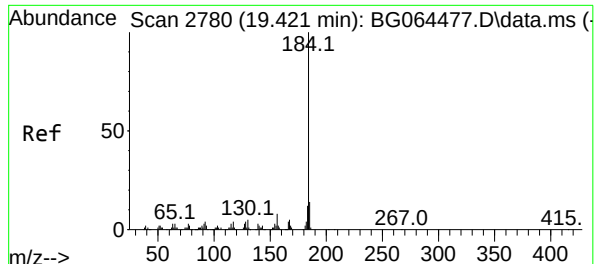
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

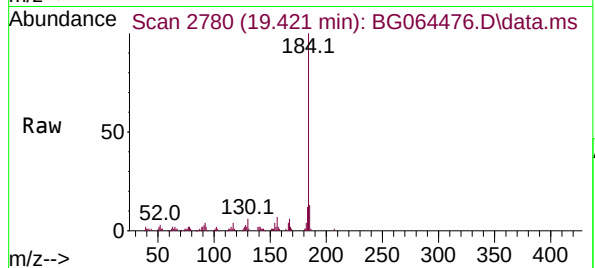
Tgt Ion:240 Resp: 165934
Ion Ratio Lower Upper
240 100
120 5.4 4.3 6.5
236 26.1 20.4 30.6





#77
Benzidine
Concen: 17.050 ng
RT: 19.421 min Scan# 2780
Delta R.T. -0.004 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

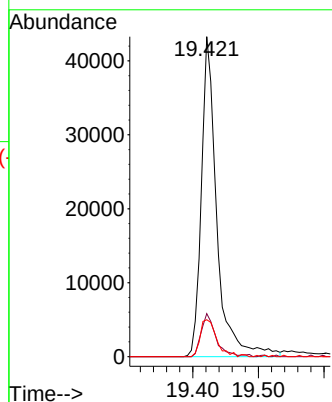
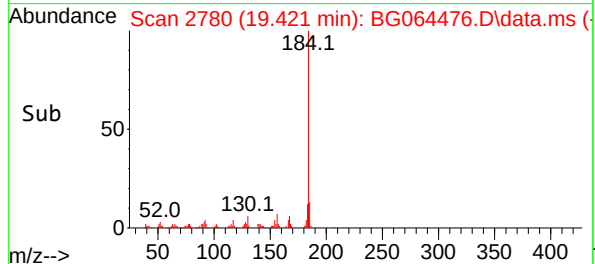
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:184 Resp: 70399
Ion Ratio Lower Upper
184 100
185 13.4 10.9 16.3
183 11.5 9.8 14.6

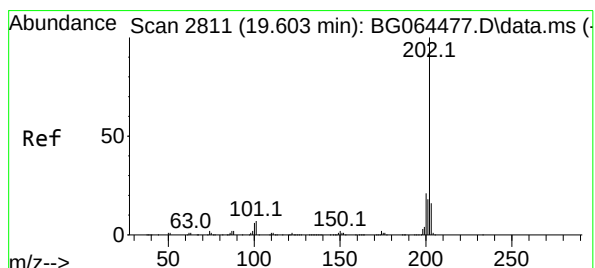
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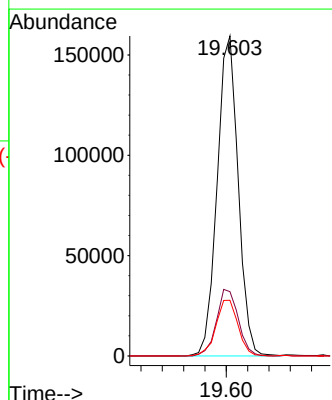
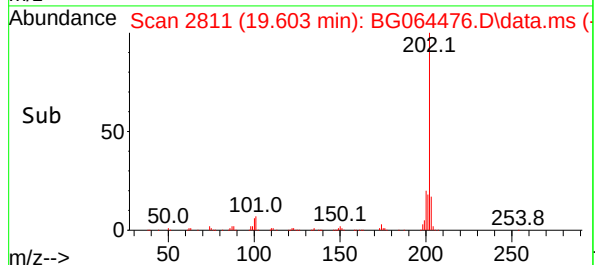
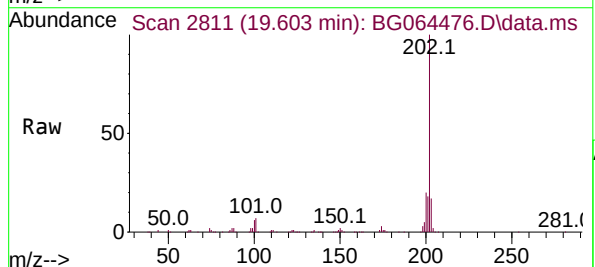
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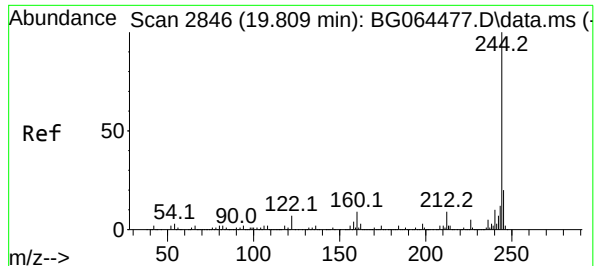
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#78
Pyrene
Concen: 20.286 ng
RT: 19.603 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

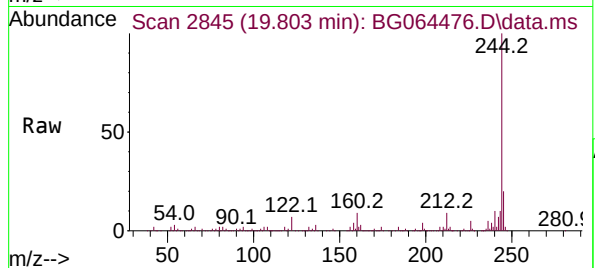
Tgt Ion:202 Resp: 218448
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.4
203 17.4 13.0 19.4





#79
Terphenyl-d14
Concen: 40.467 ng
RT: 19.803 min Scan# 2846
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

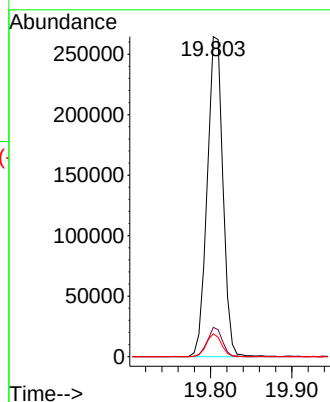
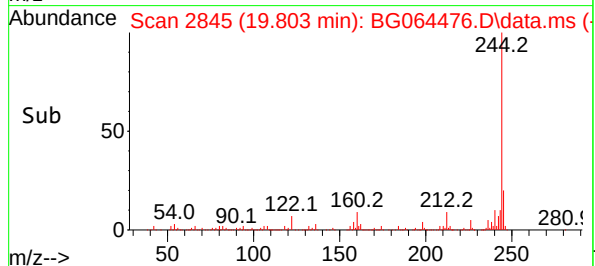
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:244 Resp: 354811
Ion Ratio Lower Upper
244 100
212 9.2 7.0 10.6
122 7.1 5.6 8.4

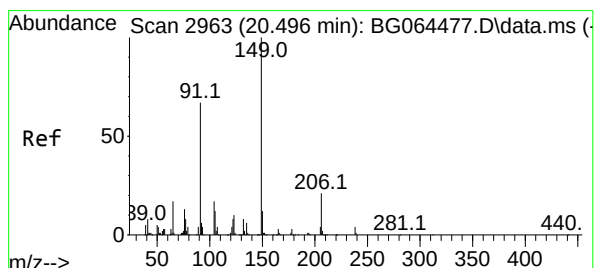
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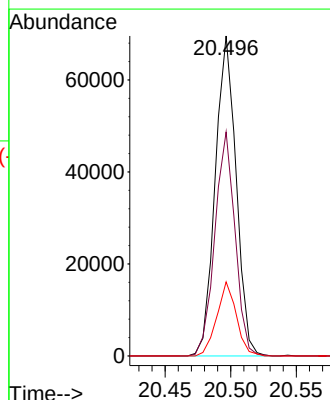
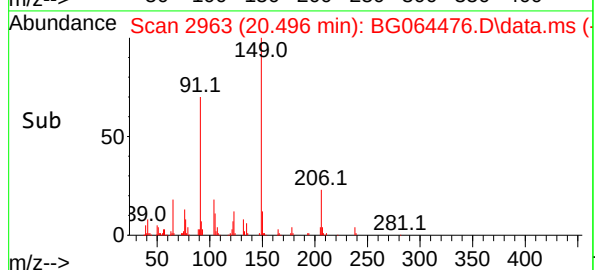
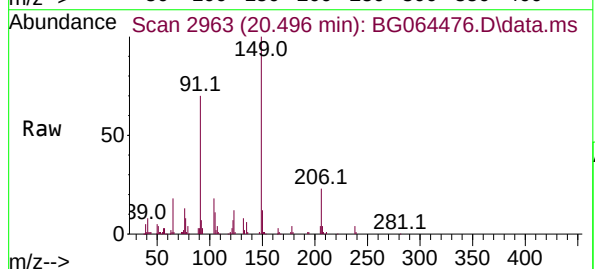
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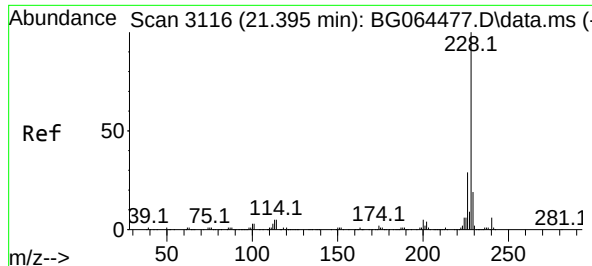
10/03/2025



#80
Butylbenzylphthalate
Concen: 20.174 ng
RT: 20.496 min Scan# 2963
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

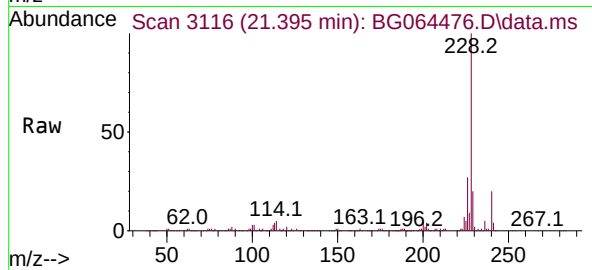
Tgt Ion:149 Resp: 77010
Ion Ratio Lower Upper
149 100
91 70.0 53.7 80.5
206 23.1 16.6 24.8





#81
Benzo(a)anthracene
Concen: 20.119 ng
RT: 21.395 min Scan# 3116
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

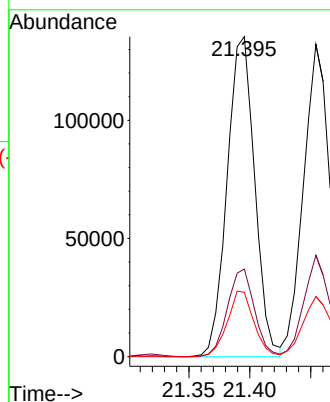
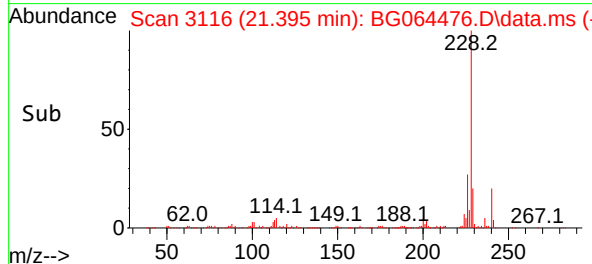
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 213165
Ion Ratio Lower Upper
228 100
226 27.4 22.8 34.2
229 20.1 15.2 22.8

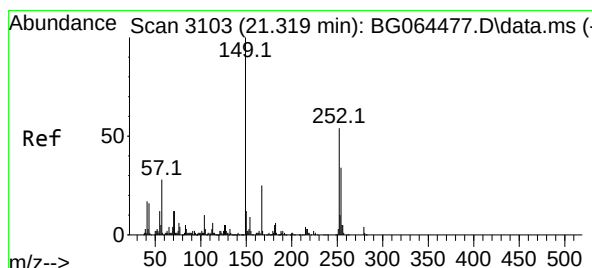
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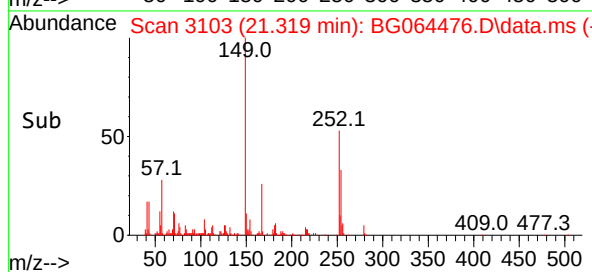
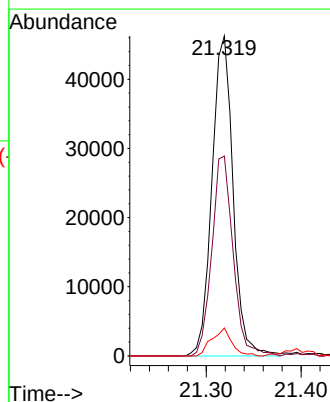
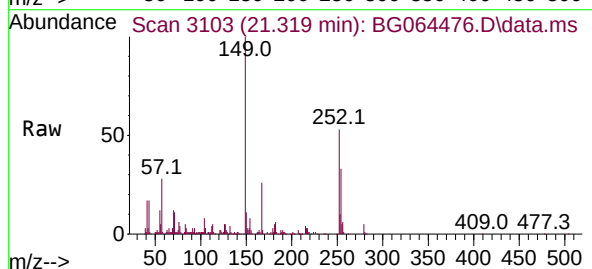
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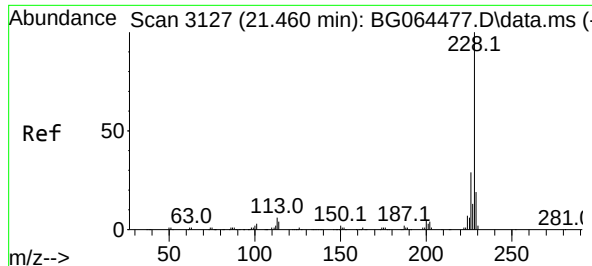
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#82
3,3'-Dichlorobenzidine
Concen: 19.958 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

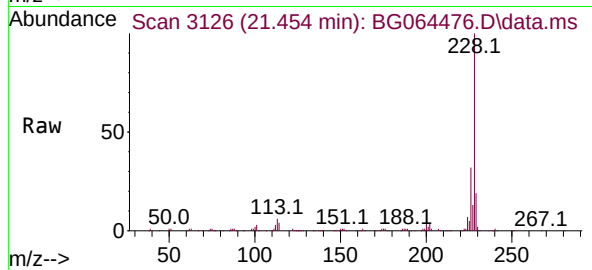
Tgt Ion:252 Resp: 71567
Ion Ratio Lower Upper
252 100
254 62.4 50.5 75.7
126 8.7 7.1 10.7





#83
Chrysene
Concen: 19.732 ng
RT: 21.454 min Scan# 3126
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

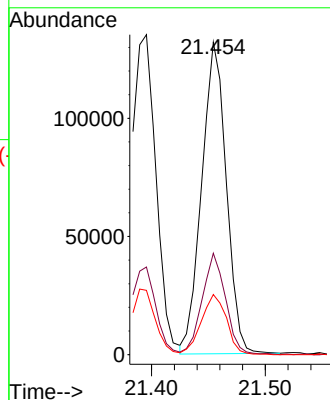
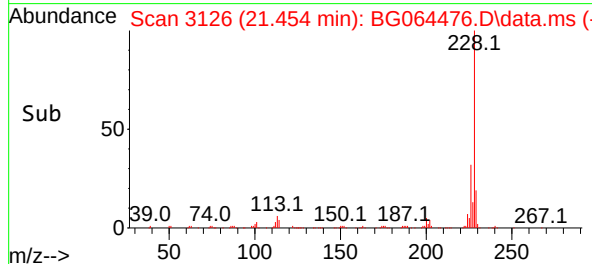
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 198263
Ion Ratio Lower Upper
228 100
226 32.4 22.8 34.2
229 19.3 15.4 23.0

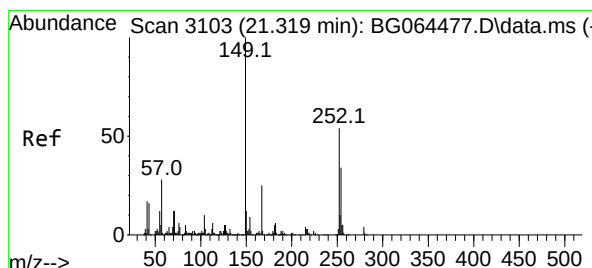
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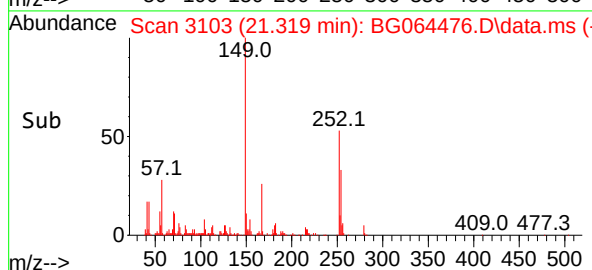
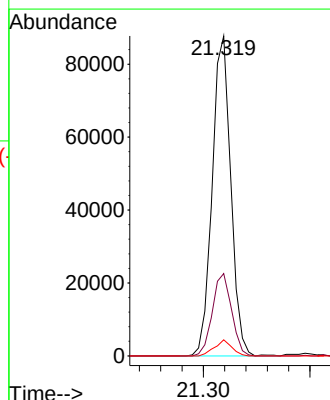
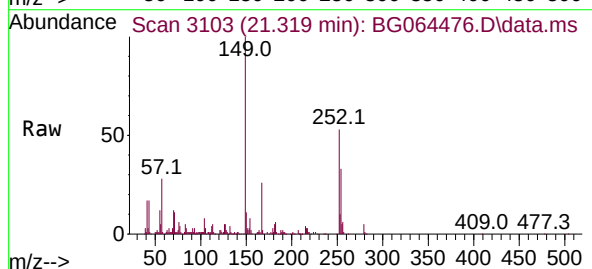
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Supervised By :Jagrut
Upadhyay

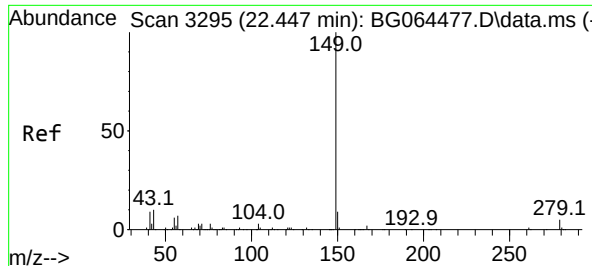
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#84
Bis(2-ethylhexyl)phthalate
Concen: 19.731 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

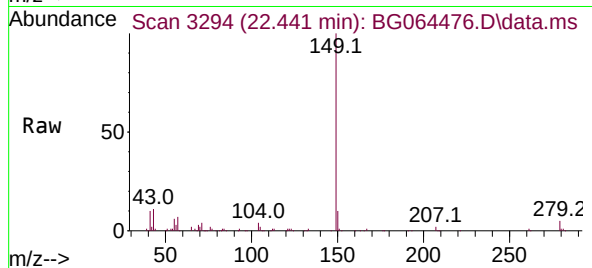
Tgt Ion:149 Resp: 106271
Ion Ratio Lower Upper
149 100
167 25.7 19.7 29.5
279 5.0 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 19.247 ng
RT: 22.441 min Scan# 3295
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

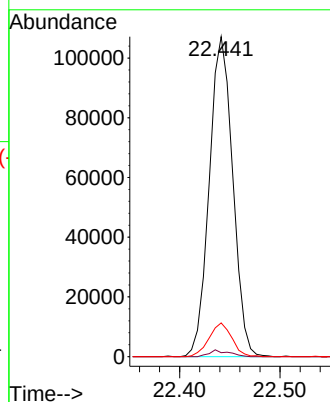
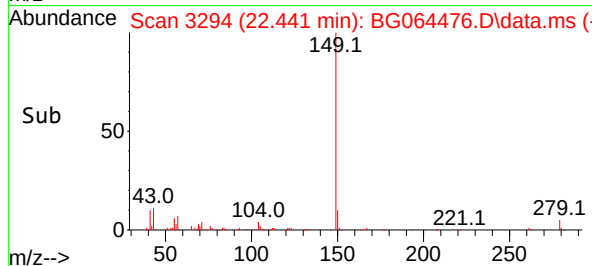
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 174229
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 10.2 7.9 11.9

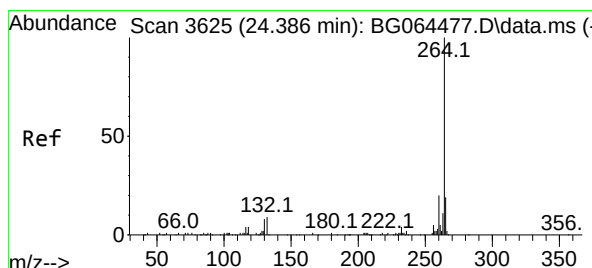
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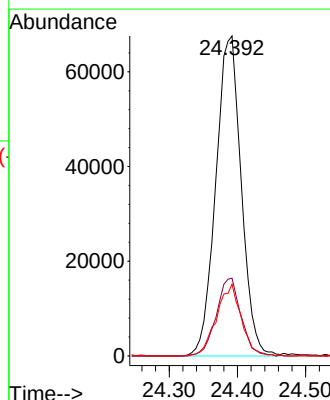
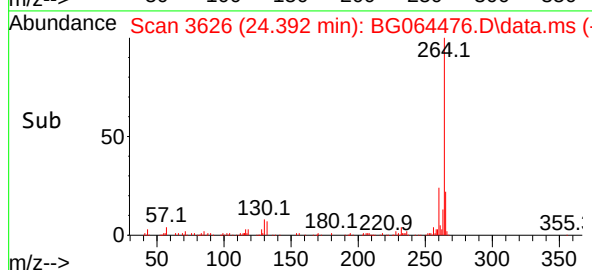
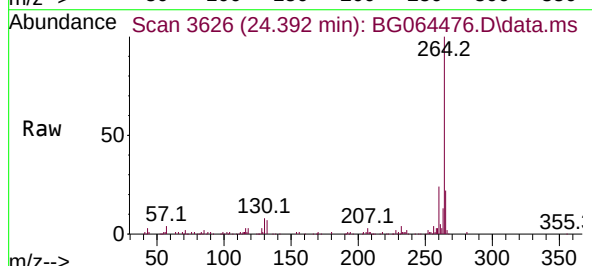
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Supervised By :Jagrut
Upadhyay

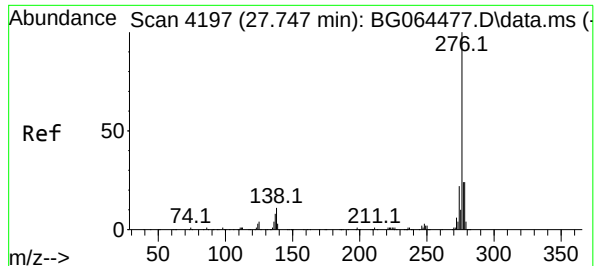
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.392 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

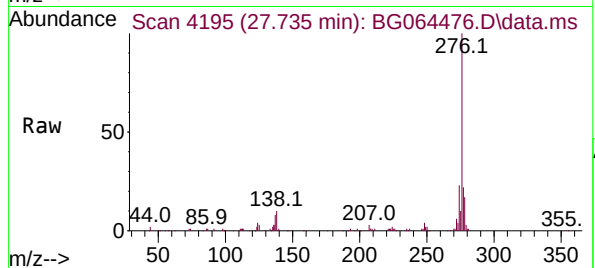
Tgt Ion:264 Resp: 174482
Ion Ratio Lower Upper
264 100
260 24.3 16.2 24.4
265 22.4 15.0 22.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.796 ng
RT: 27.735 min Scan# 4195
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

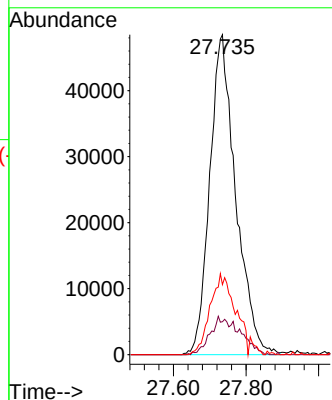
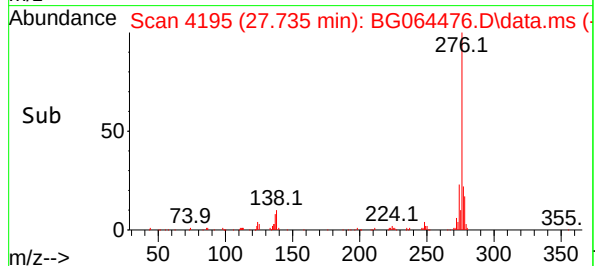
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:276 Resp: 240423
Ion Ratio Lower Upper
276 100
138 13.5 10.8 16.2
277 24.2 20.3 30.5

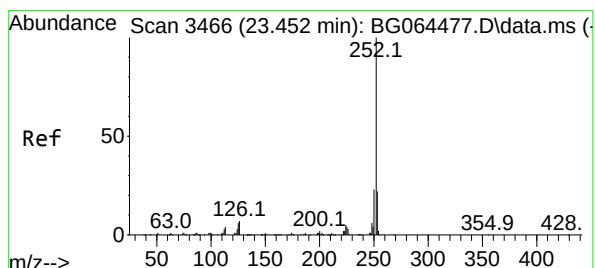
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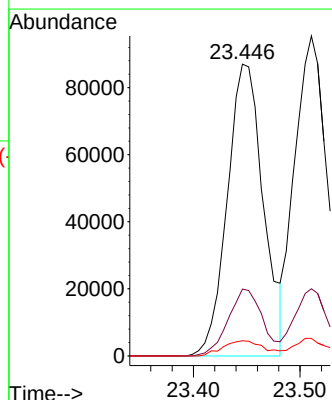
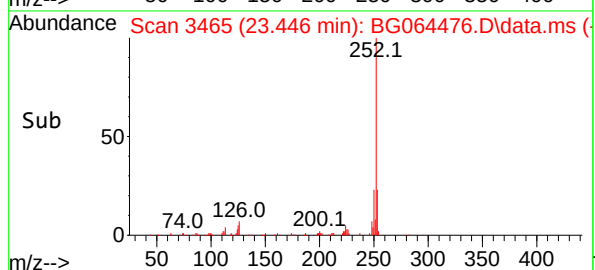
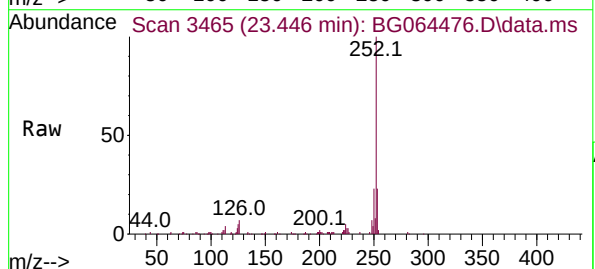
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Supervised By :Jagrut
Upadhyay

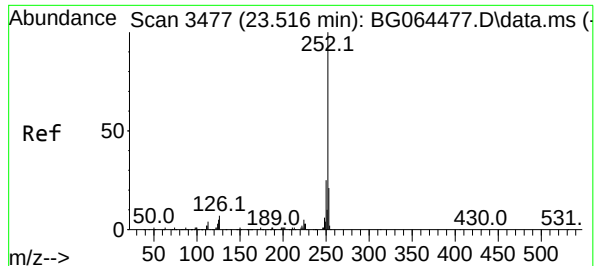
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#88
Benzo(b)fluoranthene
Concen: 20.591 ng
RT: 23.446 min Scan# 3465
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:252 Resp: 204393
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 5.2 4.5 6.7





#89

Benzo(k)fluoranthene

Concen: 19.991 ng

RT: 23.511 min Scan# 3477

Delta R.T. 0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

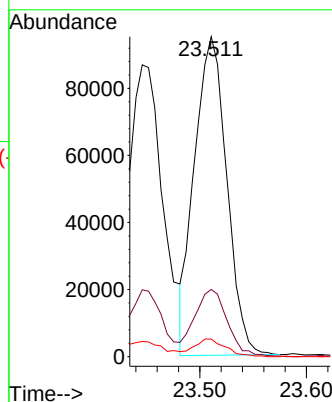
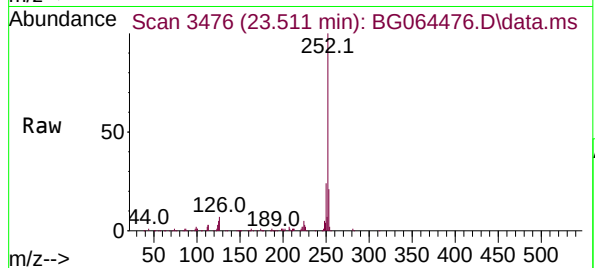
Instrument :

BNA_G

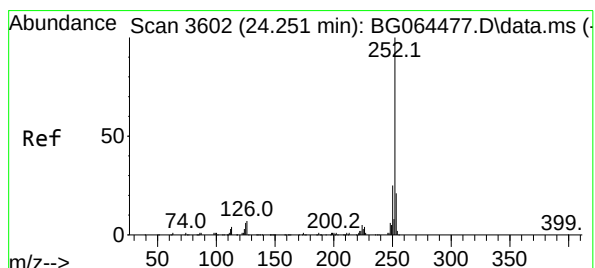
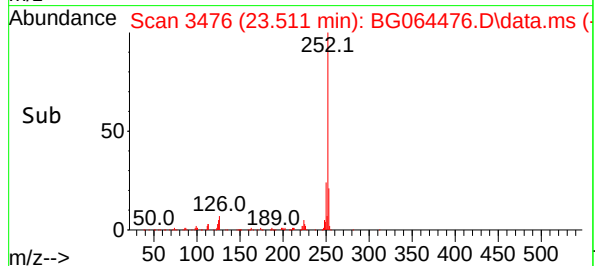
ClientSampleId :

SSTDICC020

Tgt Ion:	252	Resp:	19985
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.4	26.2
125	5.5	4.0	6.0

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Supervised By :Jagrut
Upadhyay

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#90

Benzo(a)pyrene

Concen: 20.191 ng

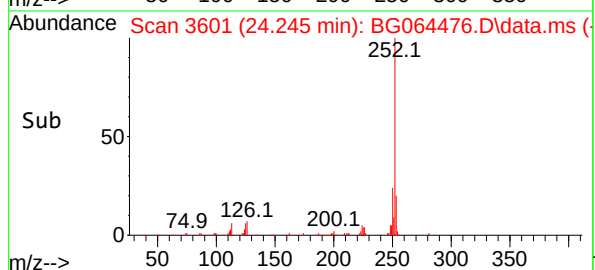
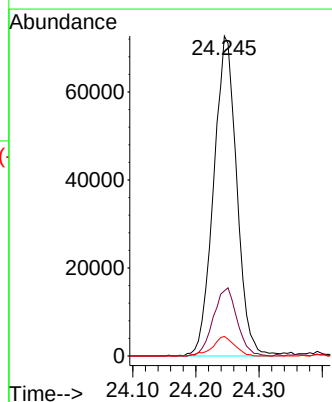
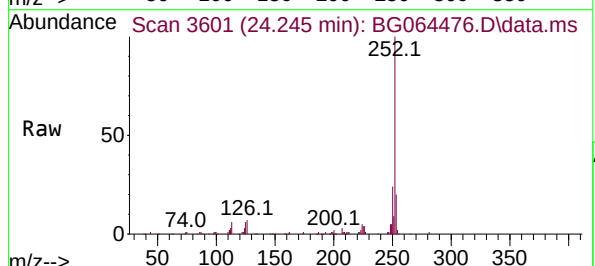
RT: 24.245 min Scan# 3601

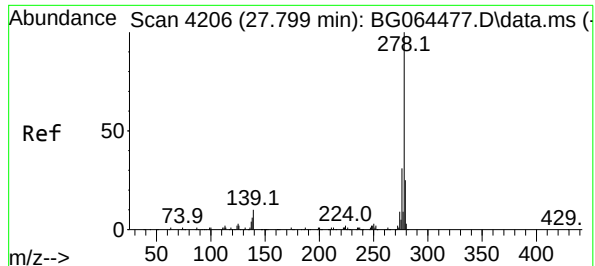
Delta R.T. -0.003 min

Lab File: BG064476.D

Acq: 2 Oct 2025 11:33

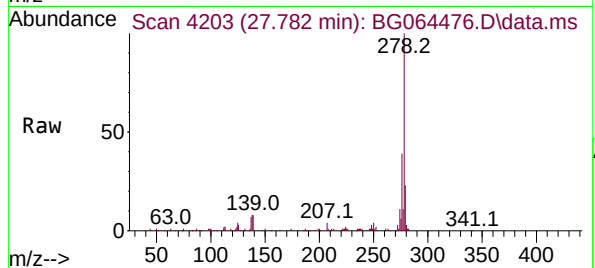
Tgt Ion:	252	Resp:	184712
Ion Ratio	Lower	Upper	
252	100		
253	20.3	17.1	25.7
125	6.1	4.6	6.8





#91
Dibenzo(a,h)anthracene
Concen: 20.134 ng
RT: 27.782 min Scan# 4371
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

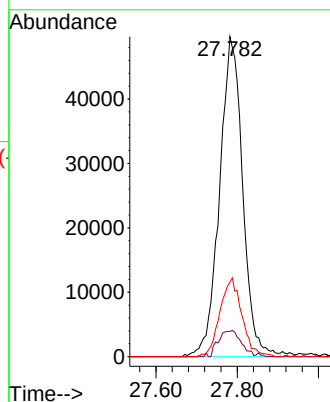
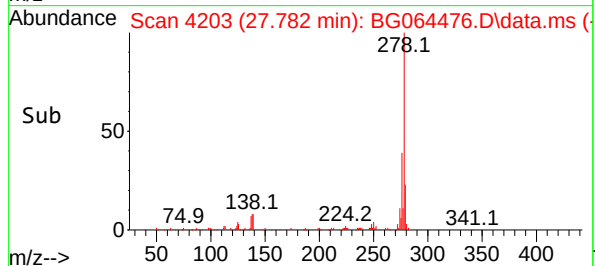
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:278 Resp: 19555
Ion Ratio Lower Upper
278 100
139 7.9 8.2 12.2
279 23.3 19.6 29.4

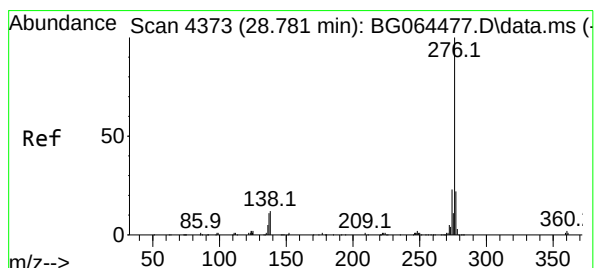
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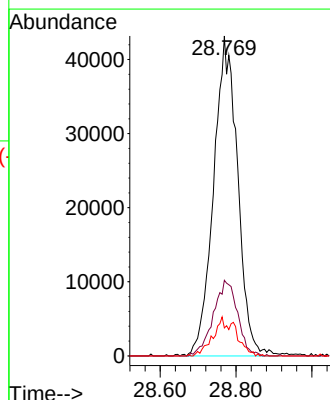
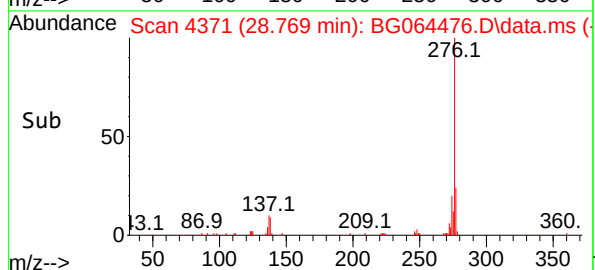
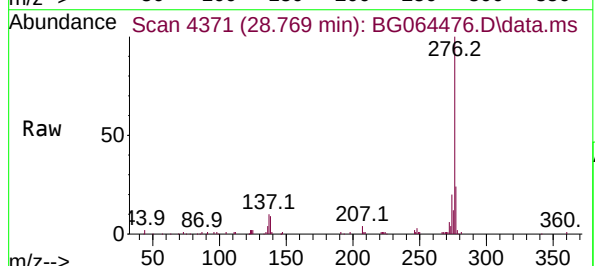
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Upadhyay

10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 20.108 ng
RT: 28.769 min Scan# 4371
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:276 Resp: 189789
Ion Ratio Lower Upper
276 100
277 23.6 17.8 26.6
138 8.7 9.4 14.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064477.D
 Acq On : 2 Oct 2025 12:14
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

10/03/2025
 Supervised By :Jagrut
 Upadhyay

Quant Time: Oct 02 16:52:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	16827	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	74350	20.000	ng	0.00
39) Acenaphthene-d10	14.450	164	56405	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	137065	20.000	ng	0.00
76) Chrysene-d12	21.413	240	137806	20.000	ng	0.00
86) Perylene-d12	24.386	264	147142	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	80402	88.428	ng	0.00
7) Phenol-d6	7.000	99	109762	89.832	ng	0.01
23) Nitrobenzene-d5	8.974	82	117636	85.074	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	85878	83.995	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	323605	84.566	ng	0.00
79) Terphenyl-d14	19.809	244	619099	85.021	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	14750	41.013	ng	100
3) Pyridine	3.716	79	41592	43.032	ng	100
4) n-Nitrosodimethylamine	3.628	42	29056	41.468	ng	100
6) Aniline	7.153	93	67996	44.118	ng	100
8) 2-Chlorophenol	7.394	128	48971	43.861	ng	100
9) Benzaldehyde	6.965	77	51397m	47.387	ng	
10) Phenol	7.024	94	56653	43.953	ng	100
11) bis(2-Chloroethyl)ether	7.247	93	38161	43.717	ng	100
12) 1,3-Dichlorobenzene	7.711	146	53245	43.595	ng	100
13) 1,4-Dichlorobenzene	7.858	146	53223	43.419	ng	100
14) 1,2-Dichlorobenzene	8.175	146	51602	42.713	ng	100
15) Benzyl Alcohol	8.058	79	48695	43.275	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.346	45	60702	43.142	ng	100
17) 2-Methylphenol	8.269	107	40881	43.800	ng	100
18) Hexachloroethane	8.904	117	20312	41.981	ng	100
19) n-Nitroso-di-n-propyla...	8.628	70	36888	45.142	ng	100
20) 3+4-Methylphenols	8.593	107	57201	43.917	ng	100
22) Acetophenone	8.640	105	76751	42.634	ng	100
24) Nitrobenzene	9.021	77	58730	42.592	ng	100
25) Isophorone	9.539	82	107231	42.808	ng	100
26) 2-Nitrophenol	9.727	139	28524	41.564	ng	100
27) 2,4-Dimethylphenol	9.791	122	44394	42.353	ng	100
28) bis(2-Chloroethoxy)met...	10.026	93	55697	43.620	ng	100
29) 2,4-Dichlorophenol	10.261	162	50964	42.046	ng	100
30) 1,2,4-Trichlorobenzene	10.479	180	56079	42.432	ng	100
31) Naphthalene	10.661	128	164638	43.002	ng	100
32) Benzoic acid	9.944	122	34057m	42.319	ng	
33) 4-Chloroaniline	10.767	127	62035	42.224	ng	100
34) Hexachlorobutadiene	10.949	225	47047	41.566	ng	100
35) Caprolactam	11.542	113	17062	41.118	ng	100
36) 4-Chloro-3-methylphenol	11.900	107	62176	42.181	ng	100
37) 2-Methylnaphthalene	12.271	142	125298	42.634	ng	100
38) 1-Methylnaphthalene	12.488	142	122645	41.851	ng	100
40) 1,2,4,5-Tetrachloroben...	12.641	216	79864	43.852	ng	100
41) Hexachlorocyclopentadiene	12.623	237	40946	42.981	ng	100
43) 2,4,6-Trichlorophenol	12.882	196	50247	43.159	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064477.D
 Acq On : 2 Oct 2025 12:14
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Manual Integrations

APPROVED

Reviewed By :Rahul
 Chavli

10/03/2025

Supervised By :Jagrut
 Upadhyay

10/03/2025

Quant Time: Oct 02 16:52:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.958	196	54781	42.147	ng	100
46) 1,1'-Biphenyl	13.287	154	171549	42.286	ng	100
47) 2-Chloronaphthalene	13.328	162	130095	42.951	ng	100
48) 2-Nitroaniline	13.528	65	44764	43.302	ng	100
49) Acenaphthylene	14.168	152	192196	42.745	ng	100
50) Dimethylphthalate	13.910	163	183253	41.482	ng	100
51) 2,6-Dinitrotoluene	14.027	165	38023	41.318	ng	100
52) Acenaphthene	14.515	154	130718	41.846	ng	100
53) 3-Nitroaniline	14.356	138	36025	42.448	ng	100
54) 2,4-Dinitrophenol	14.562	184	23359	35.006	ng	100
55) Dibenzofuran	14.850	168	215338	41.749	ng	100
56) 4-Nitrophenol	14.668	139	29383	43.974	ng	100
57) 2,4-Dinitrotoluene	14.815	165	59462	42.268	ng	100
58) Fluorene	15.496	166	180574	42.112	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.079	232	57000	42.971	ng	100
60) Diethylphthalate	15.273	149	195149	41.179	ng	100
61) 4-Chlorophenyl-phenylether	15.496	204	97895	41.818	ng	100
62) 4-Nitroaniline	15.520	138	37694	42.613	ng	100
63) Azobenzene	15.784	77	151875	41.381	ng	100
65) 4,6-Dinitro-2-methylph...	15.579	198	39733	41.634	ng	100
66) n-Nitrosodiphenylamine	15.708	169	155849	42.580	ng	100
67) 4-Bromophenyl-phenylether	16.383	248	69462	43.066	ng	100
68) Hexachlorobenzene	16.501	284	79010	42.809	ng	100
69) Atrazine	16.660	200	68458	42.039	ng	100
70) Pentachlorophenol	16.848	266	46456	43.049	ng	100
71) Phenanthrene	17.235	178	304441	42.473	ng	100
72) Anthracene	17.324	178	309798	43.082	ng	100
73) Carbazole	17.594	167	270505	43.520	ng	100
74) Di-n-butylphthalate	18.158	149	325874	42.948	ng	100
75) Fluoranthene	19.245	202	364596	42.577	ng	100
77) Benzidine	19.421	184	178853	52.157	ng	100
78) Pyrene	19.603	202	383571	42.890	ng	100
80) Butylbenzylphthalate	20.496	149	136961	43.202	ng	100
81) Benzo(a)anthracene	21.395	228	373009	42.392	ng	100
82) 3,3'-Dichlorobenzidine	21.319	252	126107	42.345	ng	100
83) Chrysene	21.460	228	357557	42.849	ng	100
84) Bis(2-ethylhexyl)phtha...	21.319	149	190838	42.664	ng	100
85) Di-n-octyl phthalate	22.447	149	317830	42.277	ng	100
87) Indeno(1,2,3-cd)pyrene	27.747	276	439448	42.906	ng	100
88) Benzo(b)fluoranthene	23.452	252	356780	42.621	ng	100
89) Benzo(k)fluoranthene	23.516	252	362948	43.050	ng	100
90) Benzo(a)pyrene	24.251	252	330197	42.800	ng	100
91) Dibenzo(a,h)anthracene	27.799	278	350192	42.755	ng	100
92) Benzo(g,h,i)perylene	28.781	276	339180	42.613	ng	100

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

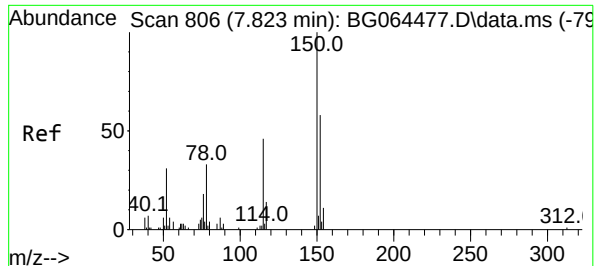
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations

10/03/2025
Supervised By :Jagrut
Upadhyay

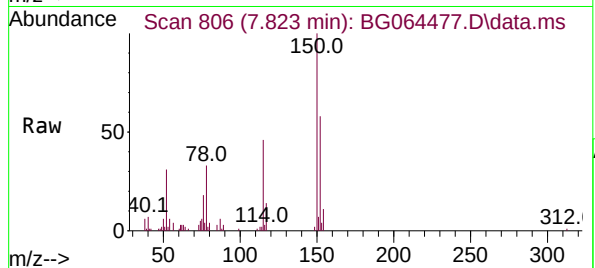
10/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 806
Delta R.T. 0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



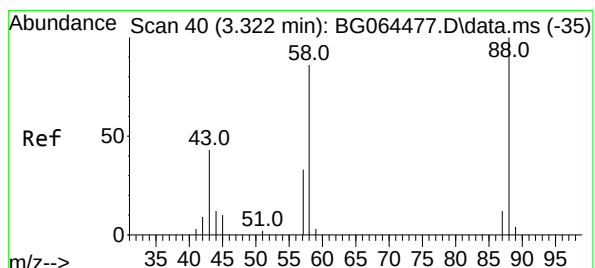
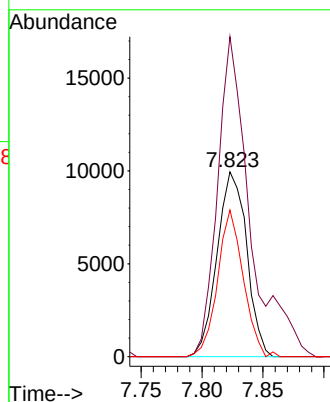
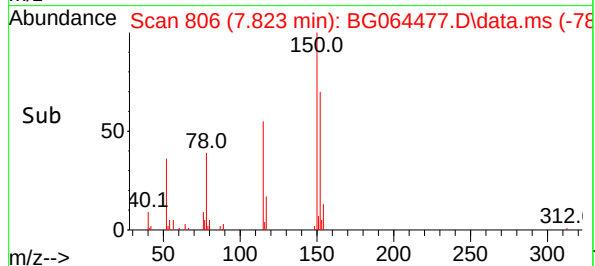
Tgt Ion:152 Resp: 1682
Ion Ratio Lower Upper
152 100
150 173.2 138.6 207.8
115 79.3 63.4 95.2

Manual Integrations
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Reviewed By :Rahul
Chavli

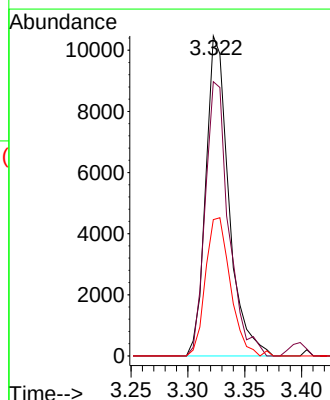
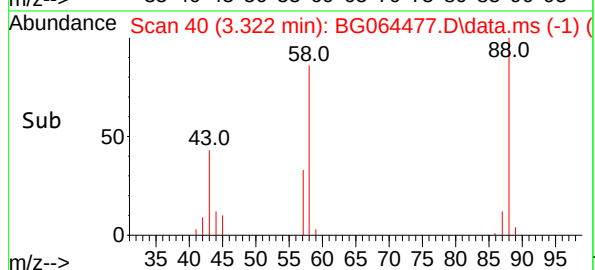
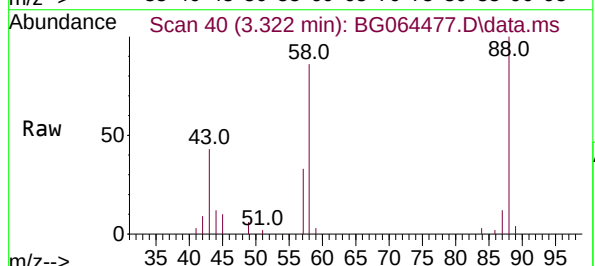
10/03/2025
Supervised By :Jagrut
Upadhyay

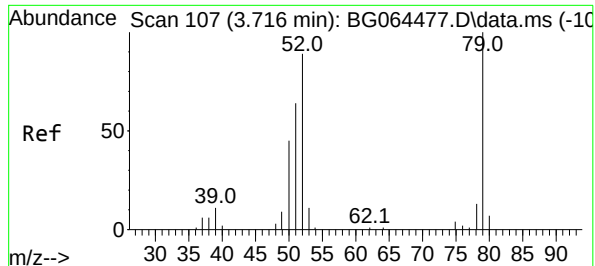
10/03/2025



#2
1,4-Dioxane
Concen: 41.013 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

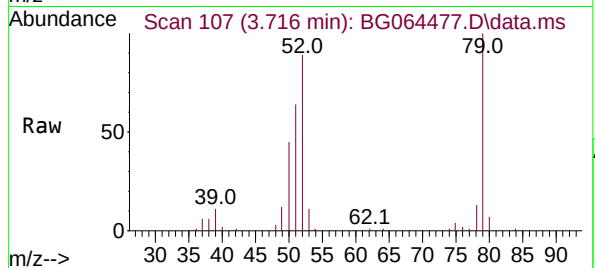
Tgt Ion: 88 Resp: 14750
Ion Ratio Lower Upper
88 100
58 87.2 69.8 104.6
43 46.7 37.4 56.0





#3
Pyridine
Concen: 43.032 ng
RT: 3.716 min Scan# 107
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



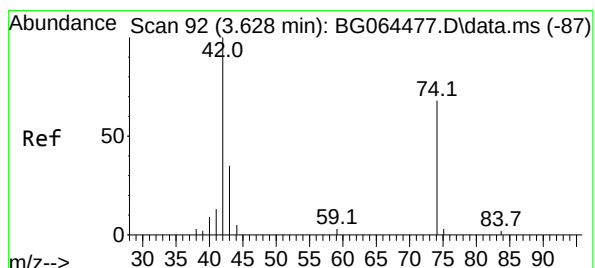
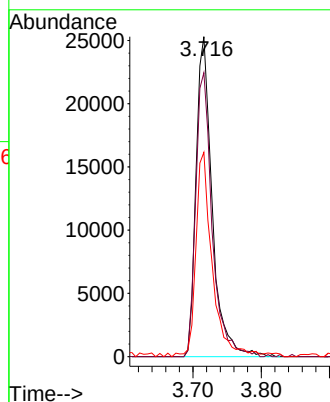
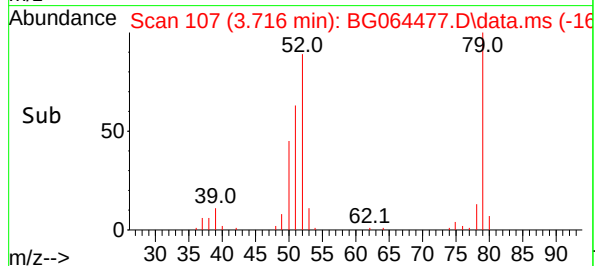
Tgt Ion: 79 Resp: 41592
Ion Ratio Lower Upper
79 100
52 88.7 71.0 106.4
51 63.8 51.0 76.6

Manual Integrations
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Reviewed By :Rahul
Chavli

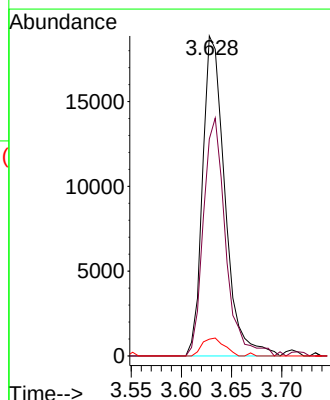
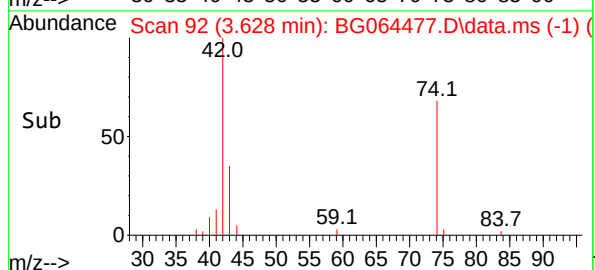
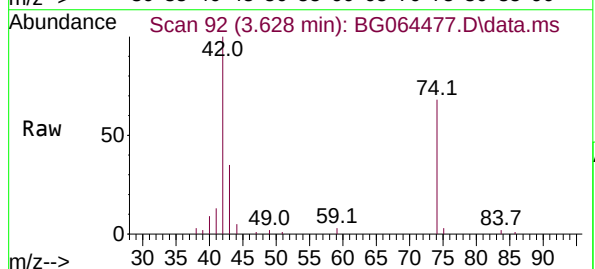
10/03/2025
Supervised By :Jagrut
Upadhyay

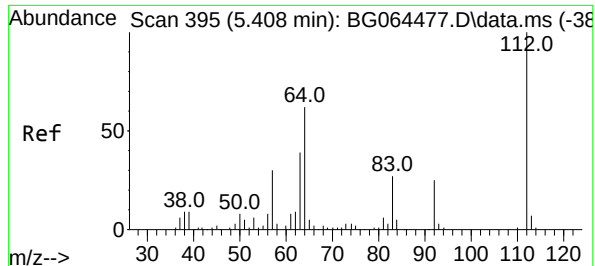
10/03/2025



#4
n-Nitrosodimethylamine
Concen: 41.468 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

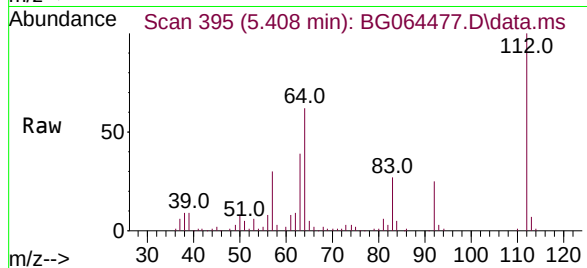
Tgt Ion: 42 Resp: 29056
Ion Ratio Lower Upper
42 100
74 67.8 54.2 81.4
44 5.2 4.2 6.2





#5
2-Fluorophenol
Concen: 88.428 ng
RT: 5.408 min Scan# 395
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



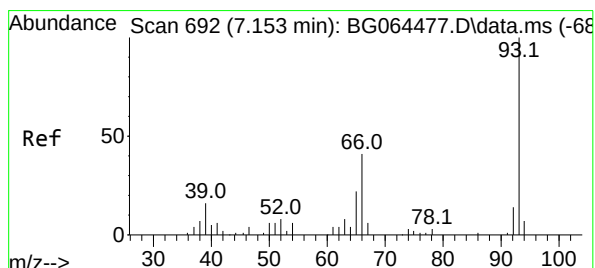
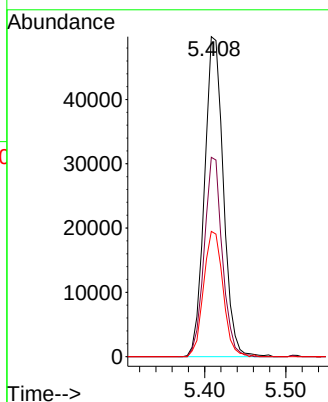
Tgt Ion: 112 Resp: 80402
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 39.1 31.3 46.9

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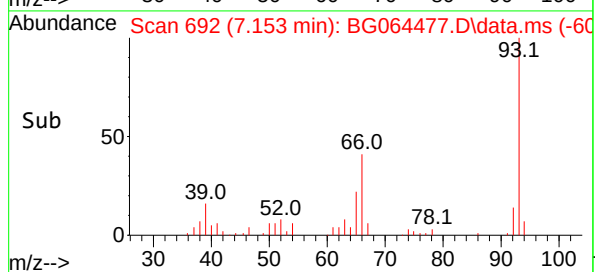
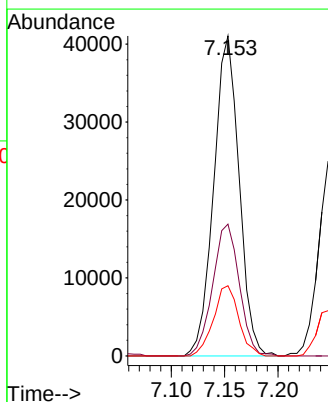
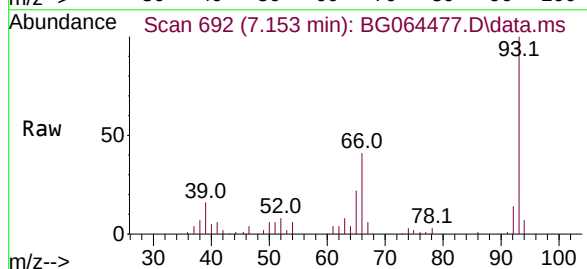
10/03/2025
Supervised By :Jagrut
Upadhyay

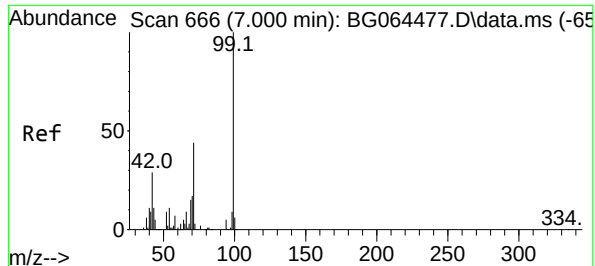
10/03/2025



#6
Aniline
Concen: 44.118 ng
RT: 7.153 min Scan# 692
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

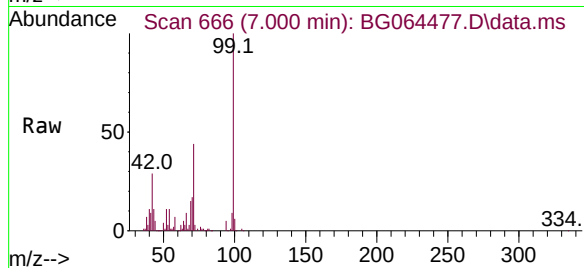
Tgt Ion: 93 Resp: 67996
Ion Ratio Lower Upper
93 100
66 41.2 33.0 49.4
65 21.9 17.5 26.3





#7
Phenol-d6
Concen: 89.832 ng
RT: 7.000 min Scan# 666
Delta R.T. 0.014 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



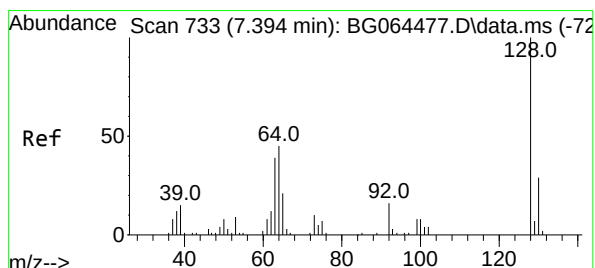
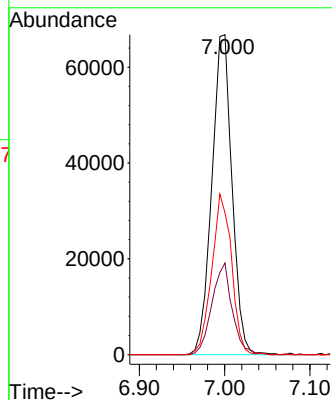
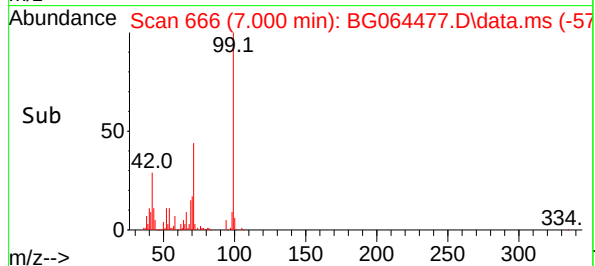
Tgt Ion: 99 Resp: 109762
Ion Ratio Lower Upper
99 100
42 28.6 22.9 34.3
71 44.3 35.4 53.2

Manual Integrations
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Reviewed By :Rahul
Chavli

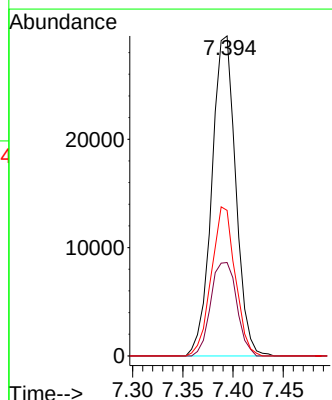
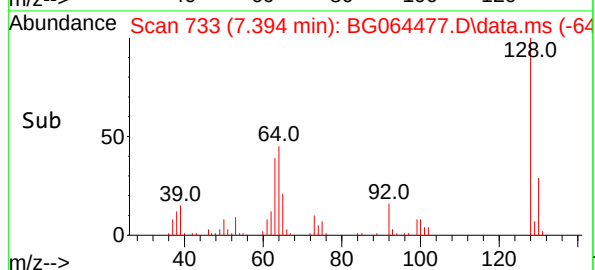
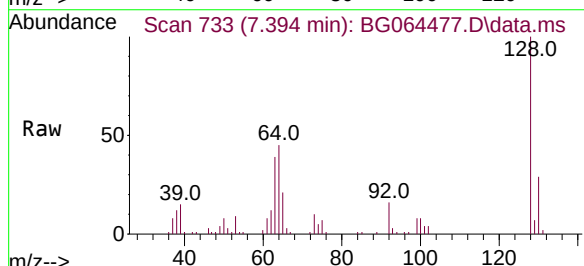
10/03/2025
Supervised By :Jagrut
Upadhyay

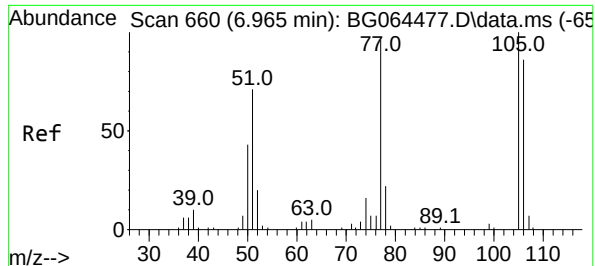
10/03/2025



#8
2-Chlorophenol
Concen: 43.861 ng
RT: 7.394 min Scan# 733
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

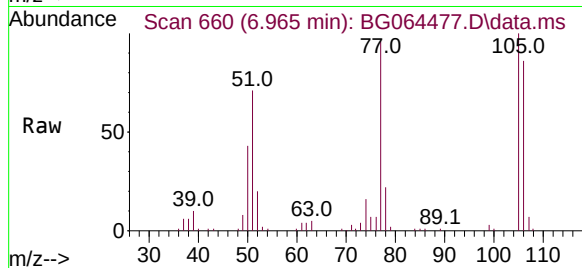
Tgt Ion:128 Resp: 48971
Ion Ratio Lower Upper
128 100
130 29.2 9.2 49.2
64 45.5 25.5 65.5





#9
Benzaldehyde
Concen: 47.387 ng m
RT: 6.965 min Scan# 60
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



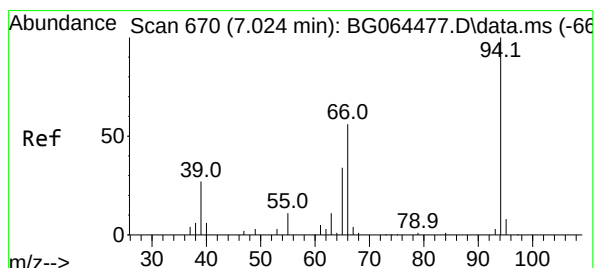
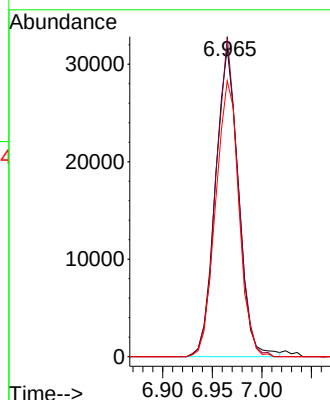
Tgt Ion: 77 Resp: 51392
Ion Ratio Lower Upper
77 100
105 103.7 83.7 123.7
106 89.4 69.4 109.4

Manual Integrations
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Reviewed By :Rahul
Chavli

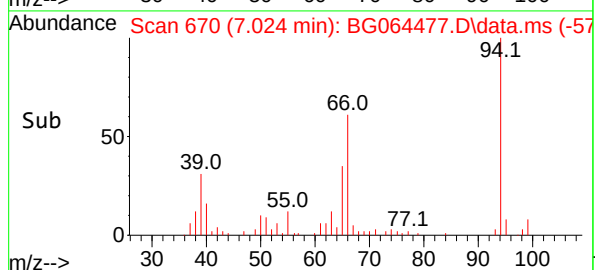
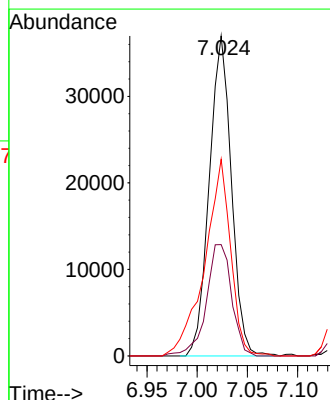
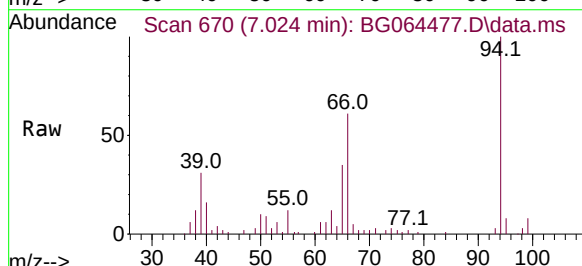
10/03/2025
Supervised By :Jagrut
Upadhyay

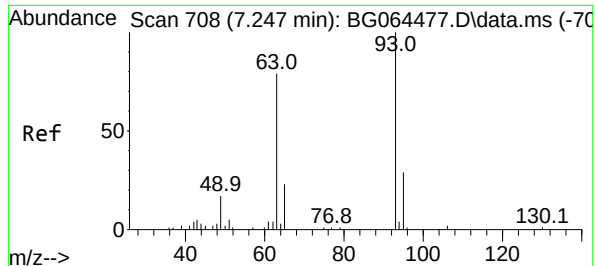
10/03/2025



#10
Phenol
Concen: 43.953 ng
RT: 7.024 min Scan# 670
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

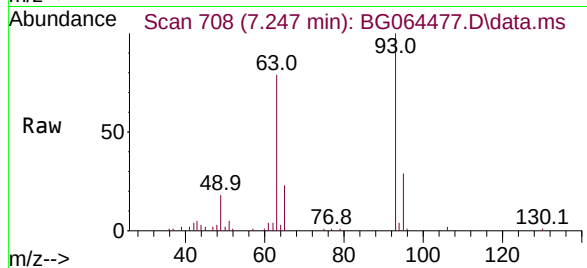
Tgt Ion: 94 Resp: 56653
Ion Ratio Lower Upper
94 100
65 34.8 14.8 54.8
66 61.4 41.4 81.4





#11
bis(2-Chloroethyl)ether
Concen: 43.717 ng
RT: 7.247 min Scan# 708
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



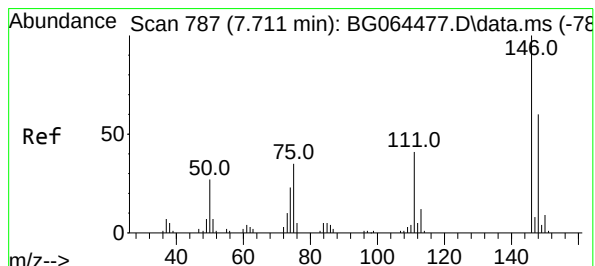
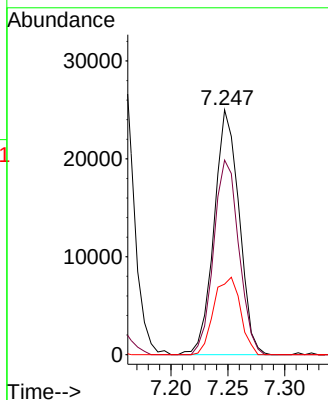
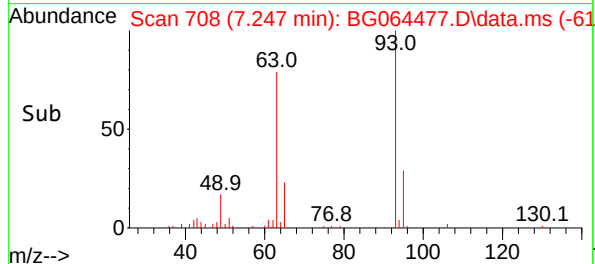
Tgt Ion: 93 Resp: 3816
Ion Ratio Lower Upper
93 100
63 79.5 59.5 99.5
95 28.8 8.8 48.8

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Reviewed By :Rahul
Chavli

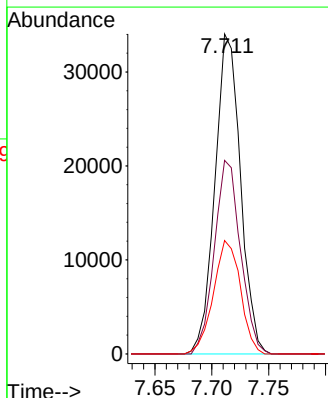
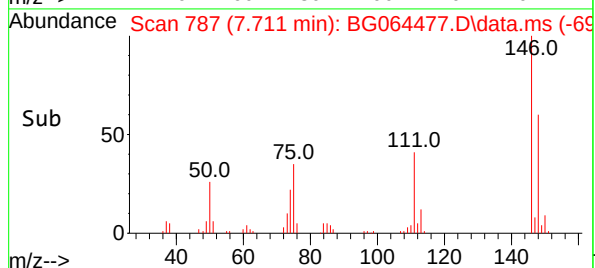
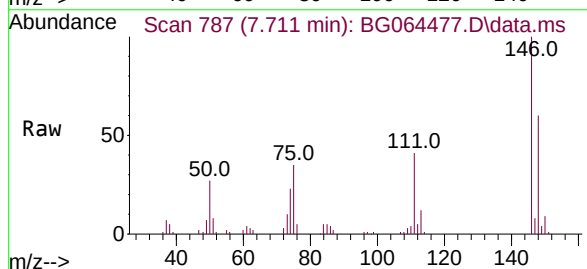
10/03/2025
Supervised By :Jagrut
Upadhyay

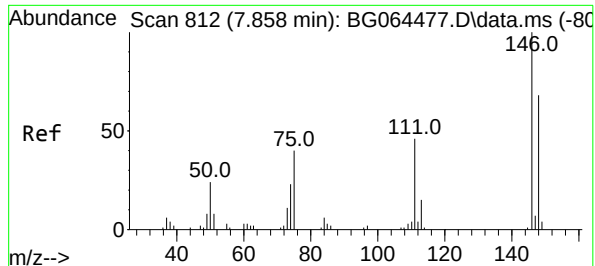
10/03/2025



#12
1,3-Dichlorobenzene
Concen: 43.595 ng
RT: 7.711 min Scan# 787
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:146 Resp: 53245
Ion Ratio Lower Upper
146 100
148 60.5 48.4 72.6
75 35.4 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 43.419 ng

RT: 7.858 min Scan# 812

Delta R.T. 0.002 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Tgt Ion:146 Resp: 53223

Ion Ratio Lower Upper

146 100

148 68.0 54.4 81.6

111 45.6 36.5 54.7

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Manual Integrations

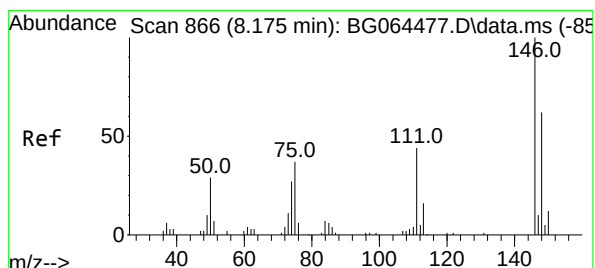
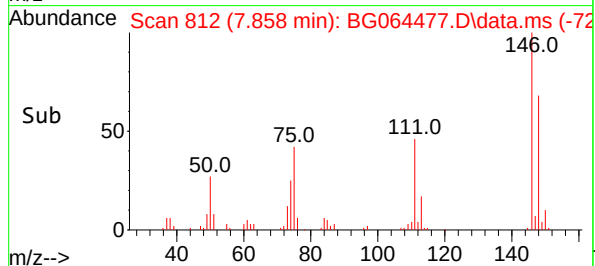
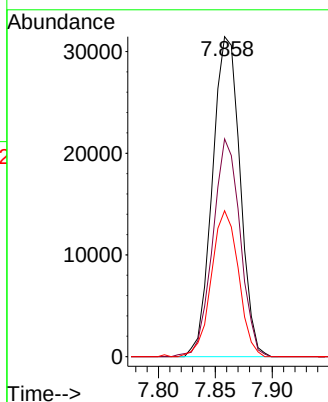
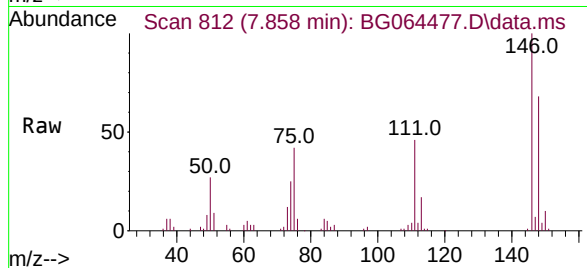
APPROVED

Reviewed By :Rahul
Chavli

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Supervised By :Jagrut
Upadhyay

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#14

1,2-Dichlorobenzene

Concen: 42.713 ng

RT: 8.175 min Scan# 866

Delta R.T. 0.002 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

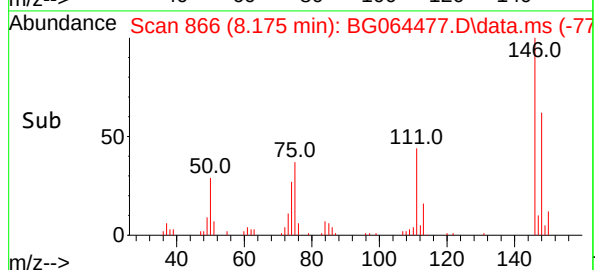
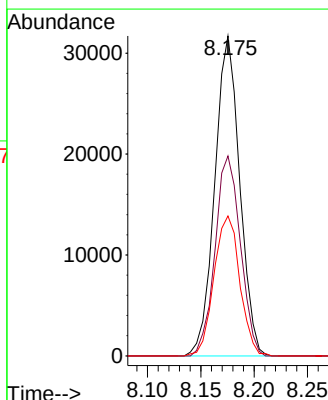
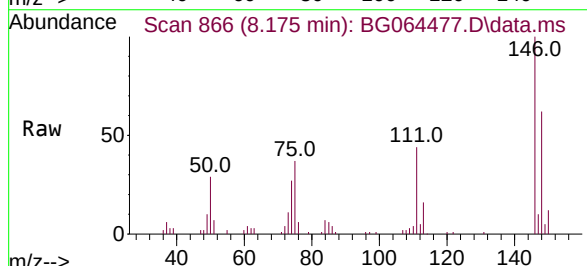
Tgt Ion:146 Resp: 51602

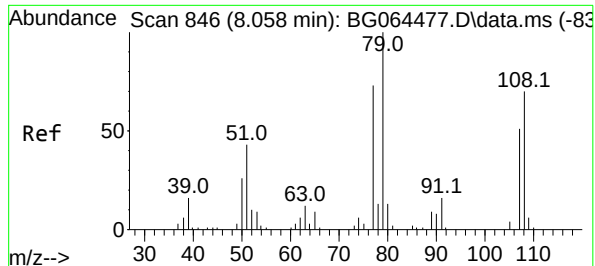
Ion Ratio Lower Upper

146 100

148 62.5 50.0 75.0

111 43.7 35.0 52.4





#15

Benzyl Alcohol

Concen: 43.275 ng

RT: 8.058 min Scan# 846

Delta R.T. 0.002 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

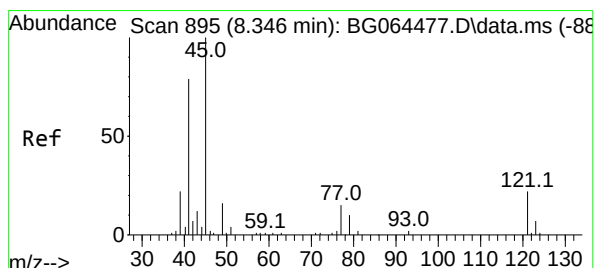
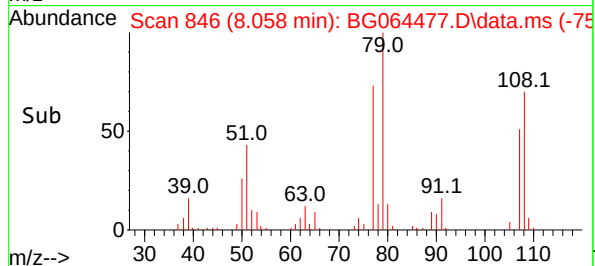
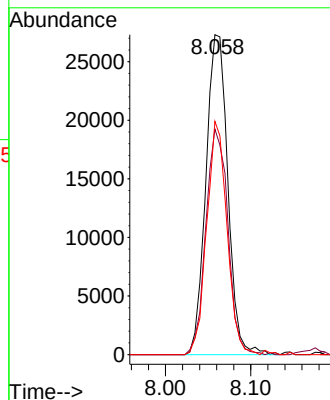
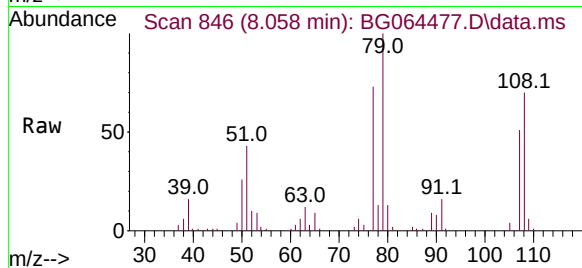
Tgt Ion: 79	Resp: 48695
Ion Ratio	Lower Upper
79 100	
108 70.5	56.4 84.6
77 72.9	58.3 87.5

Manual Integrations
APPROVEDReviewed By :Rahul
Chavli

10/03/2025

Supervised By :Jagrut
Upadhyay

10/03/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.142 ng

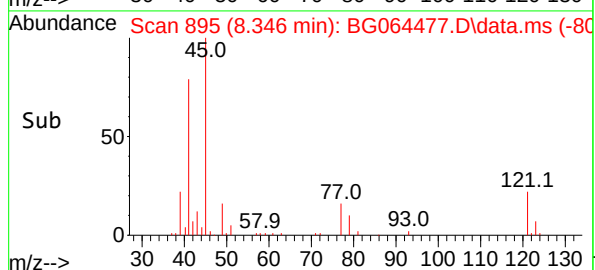
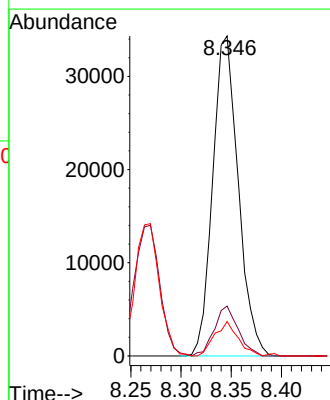
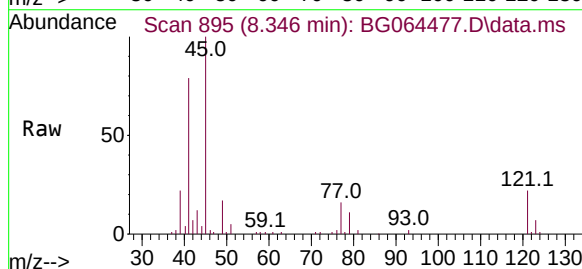
RT: 8.346 min Scan# 895

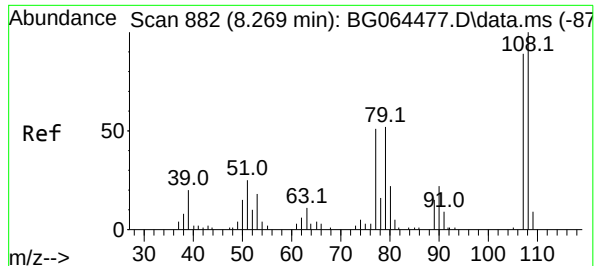
Delta R.T. 0.008 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Tgt Ion: 45	Resp: 60702
Ion Ratio	Lower Upper
45 100	
77 15.6	0.0 35.6
79 10.7	0.0 30.7





#17

2-Methylphenol

Concen: 43.800 ng

RT: 8.269 min Scan# 882

Delta R.T. 0.008 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:107 Resp: 4088

Ion Ratio Lower Upper

107 100

108 112.9 90.3 135.5

77 57.5 46.0 69.0

79 58.2 46.6 69.8

Manual Integrations

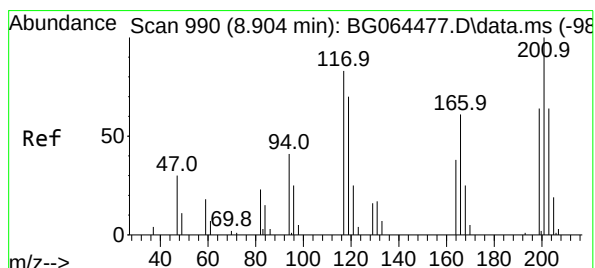
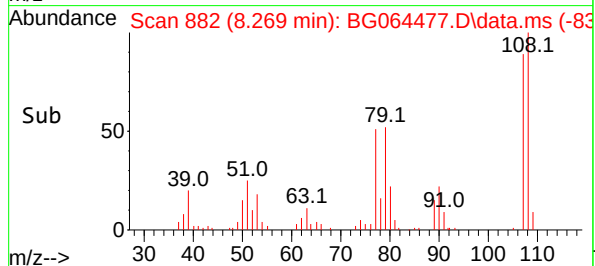
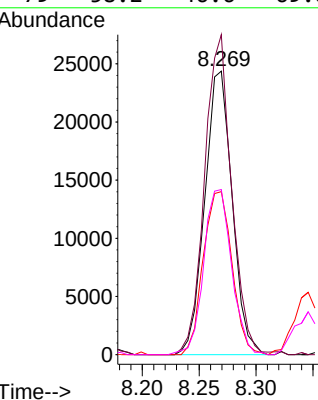
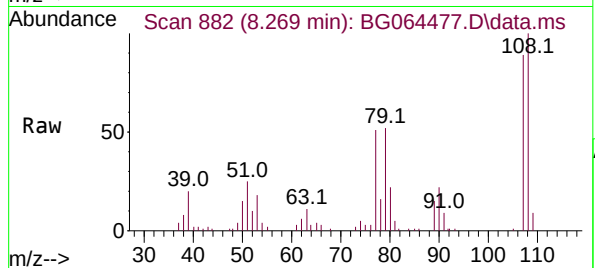
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Reviewed By :Rahul
Chavli

10/03/2025

Supervised By :Jagrut
Upadhyay

10/03/2025



#18

Hexachloroethane

Concen: 41.981 ng

RT: 8.904 min Scan# 990

Delta R.T. 0.008 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

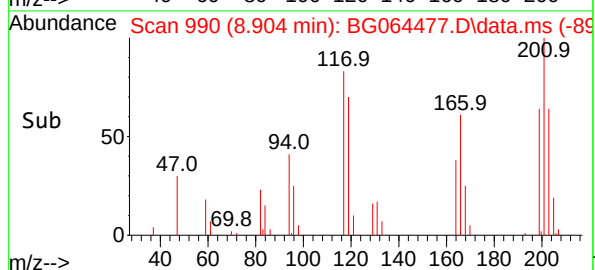
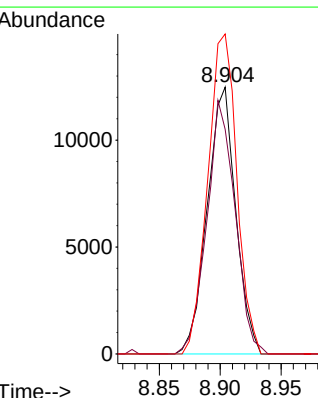
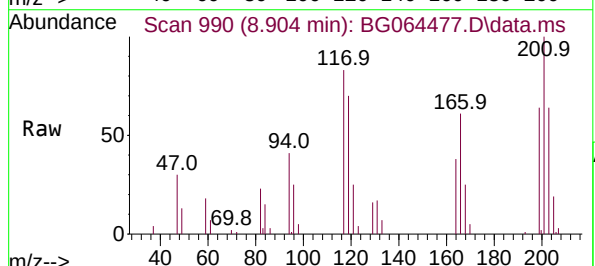
Tgt Ion:117 Resp: 20312

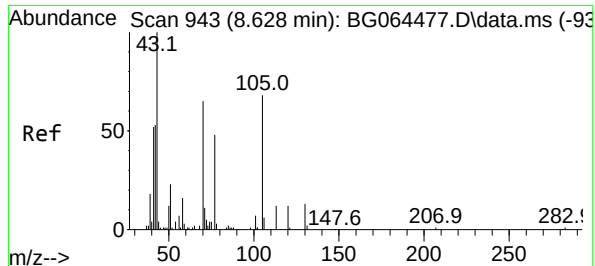
Ion Ratio Lower Upper

117 100

119 84.2 67.4 101.0

201 119.9 95.9 143.9





#19

n-Nitroso-di-n-propylamine

Concen: 45.142 ng

RT: 8.628 min Scan# 943

Delta R.T. 0.014 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 3688

Ion Ratio Lower Upper

70 100

42 81.1 64.9 97.3

101 10.9 8.7 13.1

130 19.8 15.8 23.8

Manual Integrations

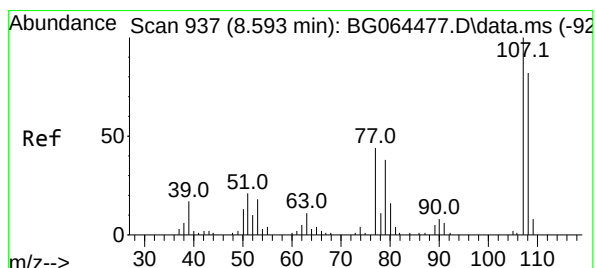
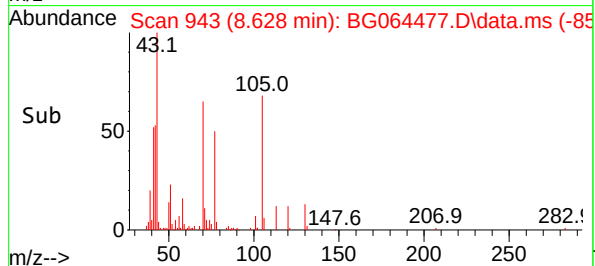
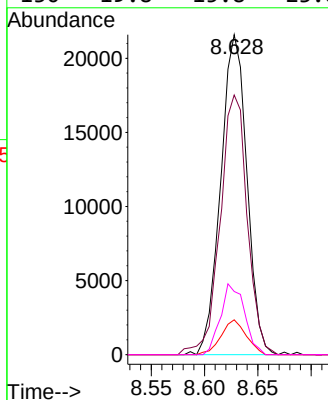
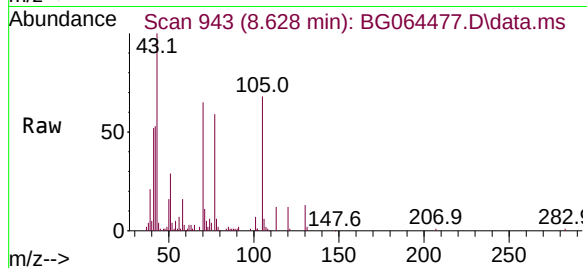
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Reviewed By :Rahul
Chavli

10/03/2025

Supervised By :Jagrut
Upadhyay

10/03/2025



#20

3+4-Methylphenols

Concen: 43.917 ng

RT: 8.593 min Scan# 937

Delta R.T. 0.002 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Tgt Ion:107 Resp: 57201

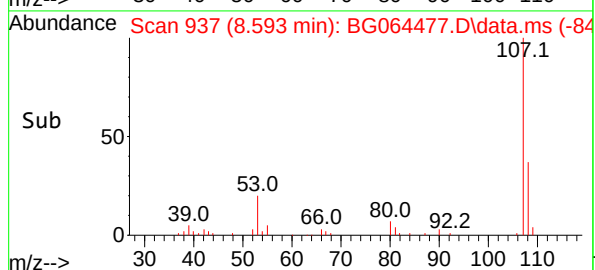
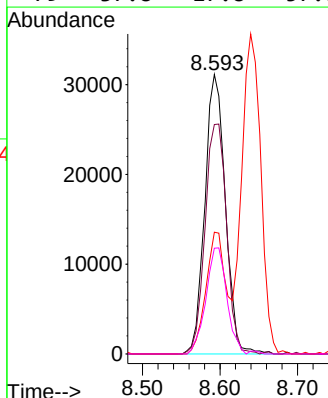
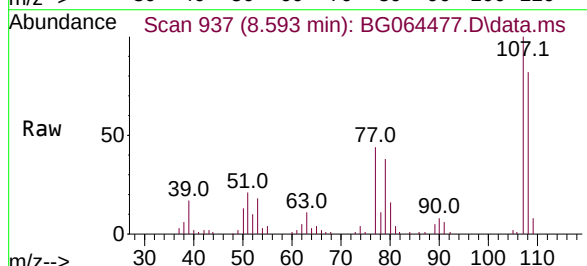
Ion Ratio Lower Upper

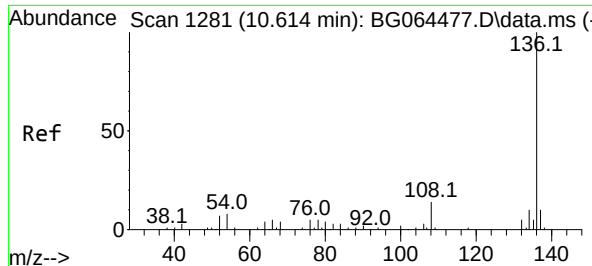
107 100

108 82.1 62.1 102.1

77 43.5 23.5 63.5

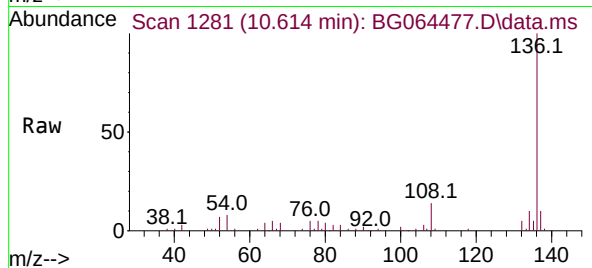
79 37.8 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1281
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



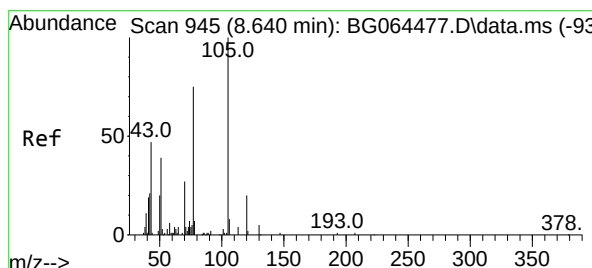
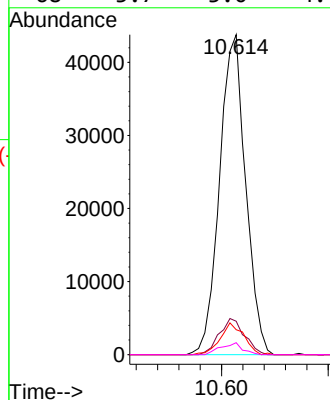
Tgt Ion:136 Resp: 74350
Ion Ratio Lower Upper
136 100
137 10.4 8.3 12.5
54 7.8 6.2 9.4
68 3.7 3.0 4.4

Manual Integrations
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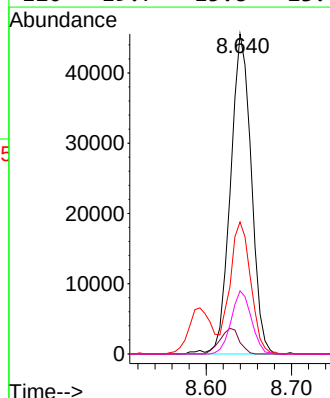
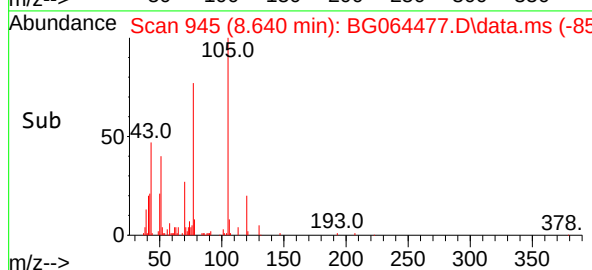
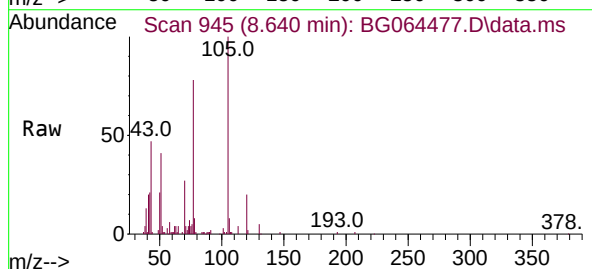
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Supervised By :Jagrut
Upadhyay

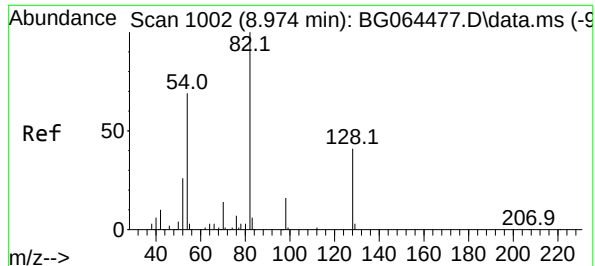
10/03/2025



#22
Acetophenone
Concen: 42.634 ng
RT: 8.640 min Scan# 945
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:105 Resp: 76751
Ion Ratio Lower Upper
105 100
71 3.5 2.8 4.2
51 41.2 33.0 49.4
120 19.7 15.8 23.6





#23

Nitrobenzene-d5

Concen: 85.074 ng

RT: 8.974 min Scan# 1002

Delta R.T. 0.008 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 117636

Ion Ratio Lower Upper

82 100

128 41.4 33.1 49.7

54 69.3 55.4 83.2

Manual Integrations

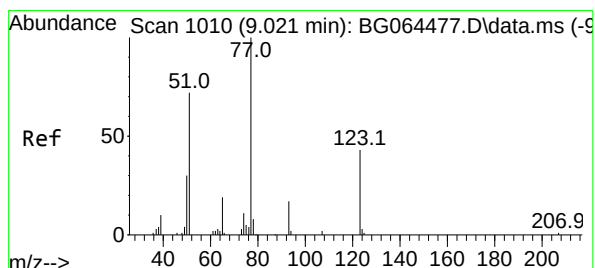
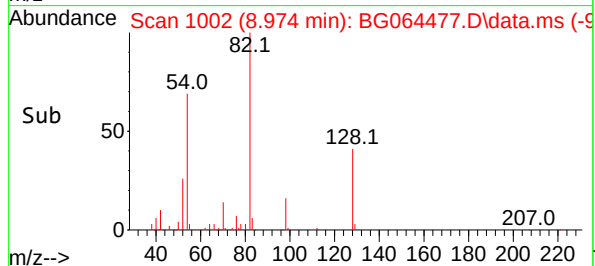
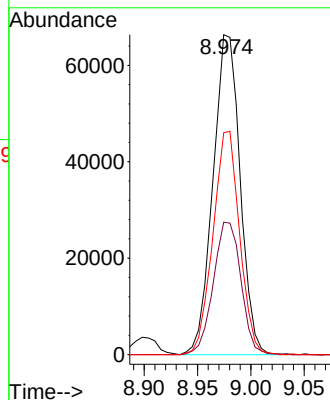
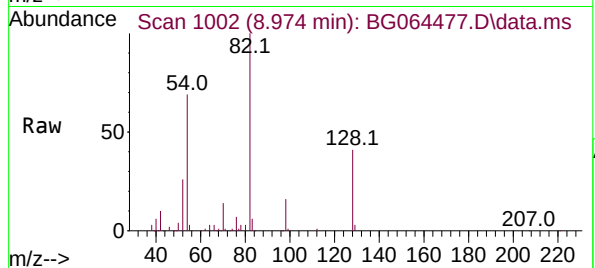
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Reviewed By :Rahul
Chavli

10/03/2025

Supervised By :Jagrut
Upadhyay

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#24

Nitrobenzene

Concen: 42.592 ng

RT: 9.021 min Scan# 1010

Delta R.T. 0.008 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

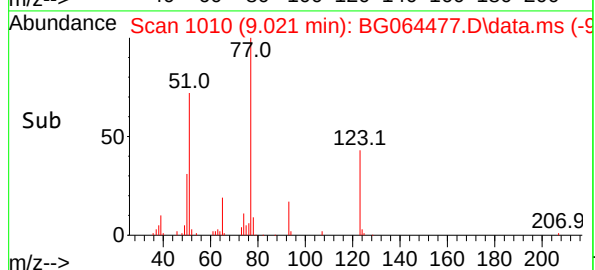
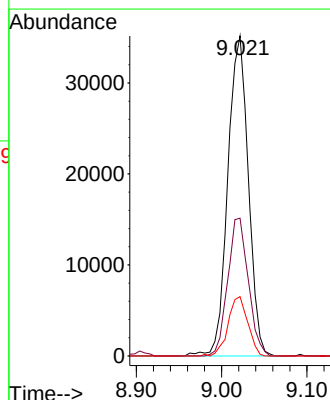
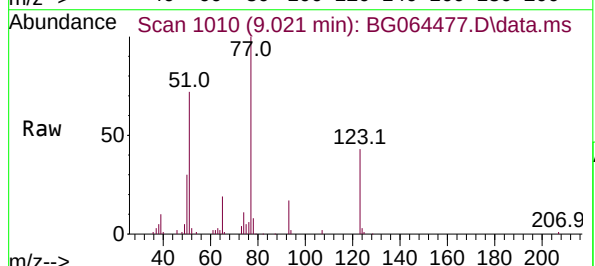
Tgt Ion: 77 Resp: 58730

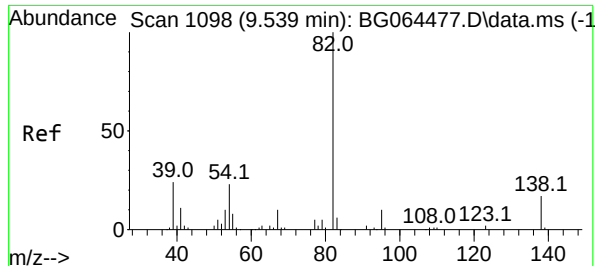
Ion Ratio Lower Upper

77 100

123 43.0 34.4 51.6

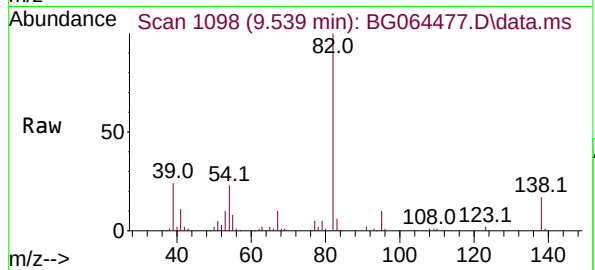
65 18.5 14.8 22.2





#25
Isophorone
Concen: 42.808 ng
RT: 9.539 min Scan# 1098
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



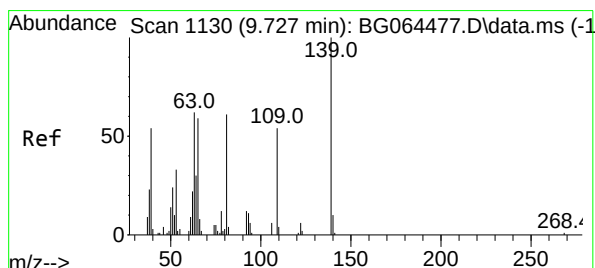
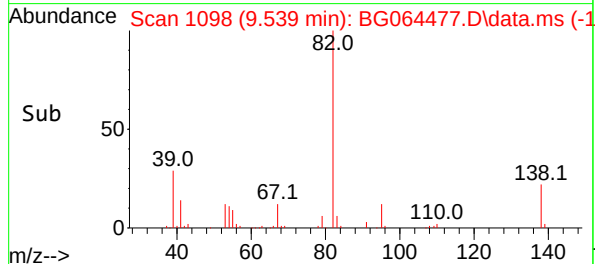
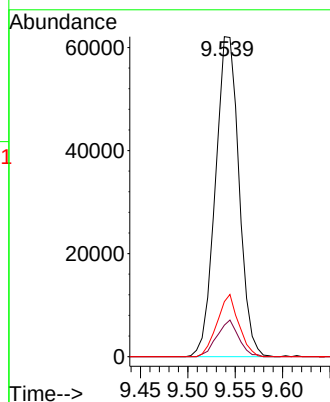
Tgt Ion: 82 Resp: 107231
Ion Ratio Lower Upper
82 100
95 9.8 7.8 11.8
138 17.2 13.8 20.6

Manual Integrations
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Chavli

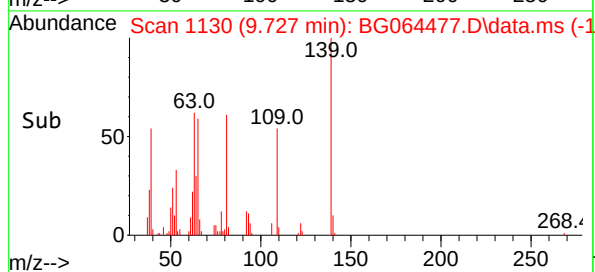
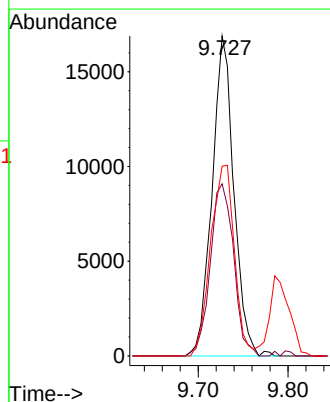
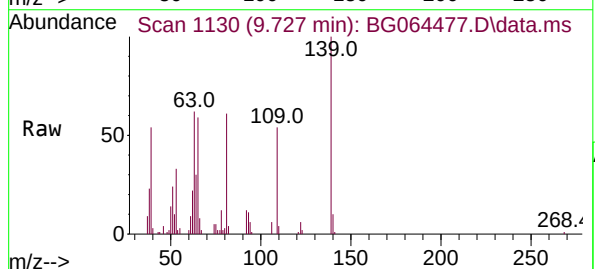
10/03/2025
Supervised By :Jagrut
Upadhyay

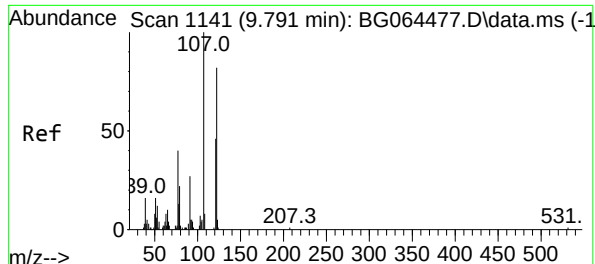
10/03/2025



#26
2-Nitrophenol
Concen: 41.564 ng
RT: 9.727 min Scan# 1130
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:139 Resp: 28524
Ion Ratio Lower Upper
139 100
109 53.8 43.0 64.6
65 59.3 47.4 71.2





#27

2,4-Dimethylphenol

Concen: 42.353 ng

RT: 9.791 min Scan# 1141

Delta R.T. 0.008 min

Lab File: BG064477.D

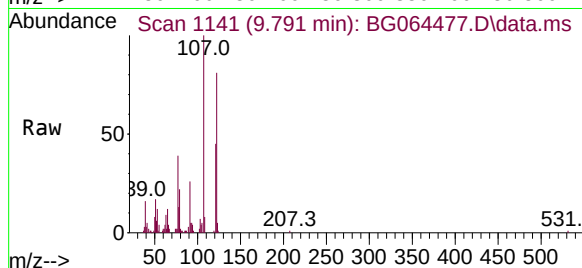
Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

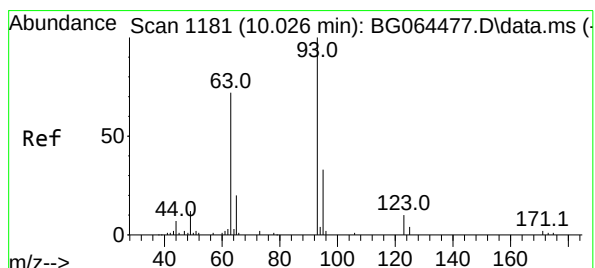
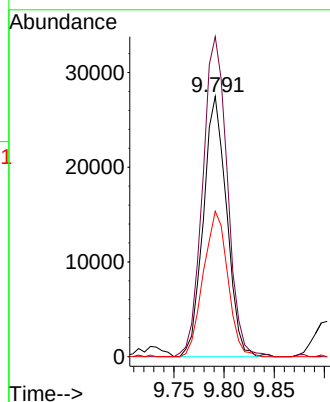
SSTDICCC040



Tgt Ion:	122	Resp:	44394
Ion	Ratio	Lower	Upper
122	100		
107	122.9	98.3	147.5
121	55.9	44.7	67.1

Manual Integrations
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Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

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#28

bis(2-Chloroethoxy)methane

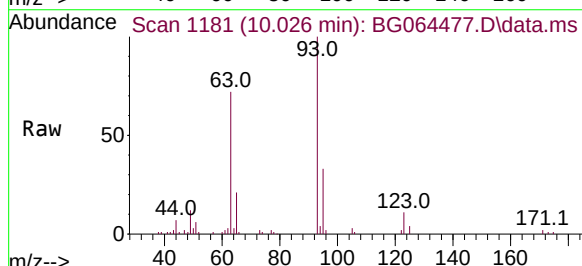
Concen: 43.620 ng

RT: 10.026 min Scan# 1181

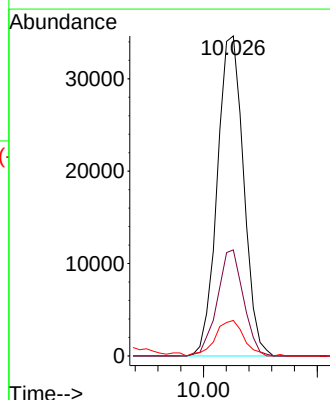
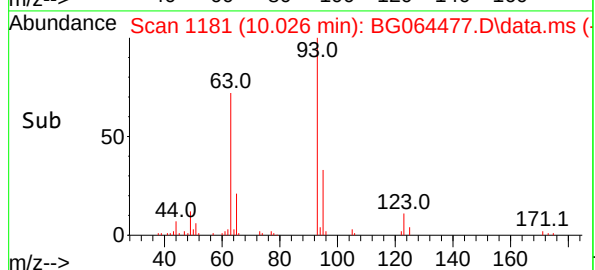
Delta R.T. 0.008 min

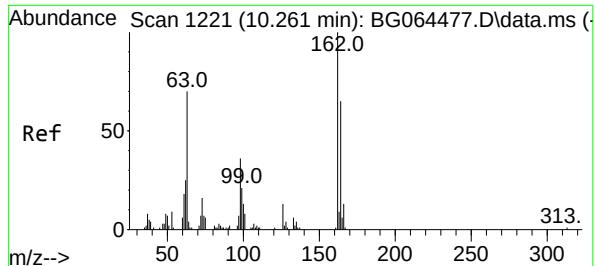
Lab File: BG064477.D

Acq: 2 Oct 2025 12:14



Tgt Ion:	93	Resp:	55697
Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.5	39.7
123	11.1	8.9	13.3





#29

2,4-Dichlorophenol

Concen: 42.046 ng

RT: 10.261 min Scan# 1221

Delta R.T. 0.002 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

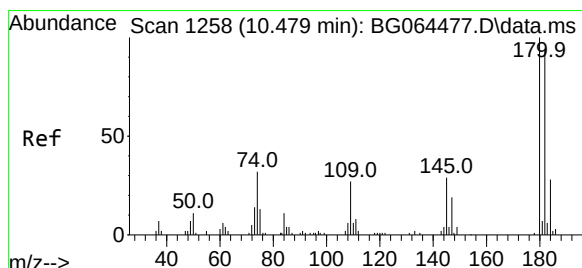
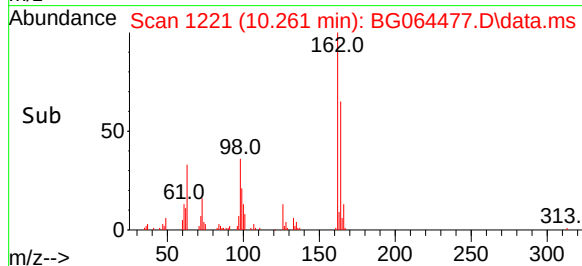
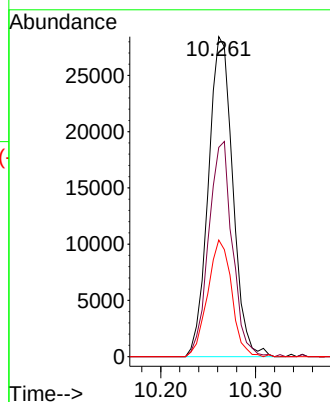
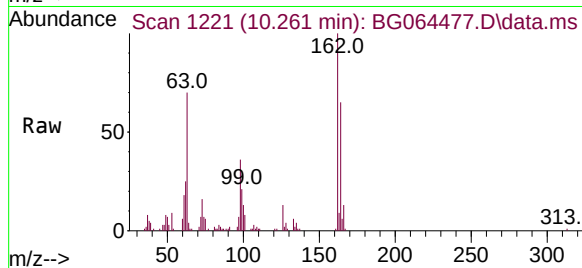
ClientSampleId :

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Tgt Ion:162	Resp:	50964
Ion Ratio	Lower	Upper
162	100	
164	65.4	45.4 85.4
98	36.4	16.4 56.4

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Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

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#30

1,2,4-Trichlorobenzene

Concen: 42.432 ng

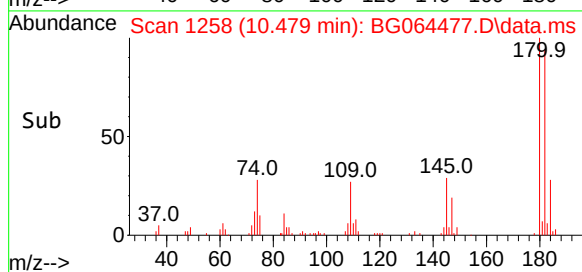
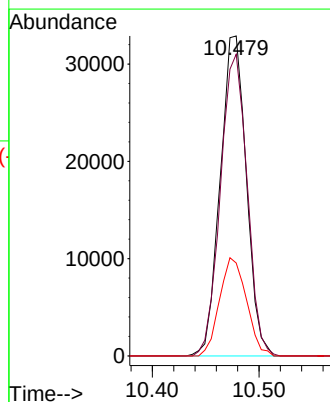
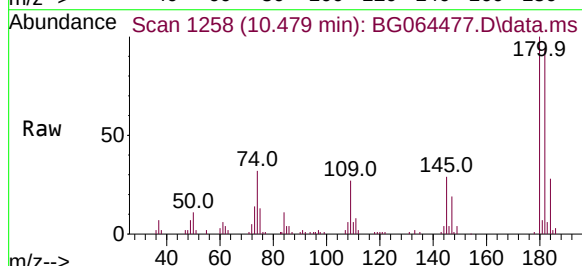
RT: 10.479 min Scan# 1258

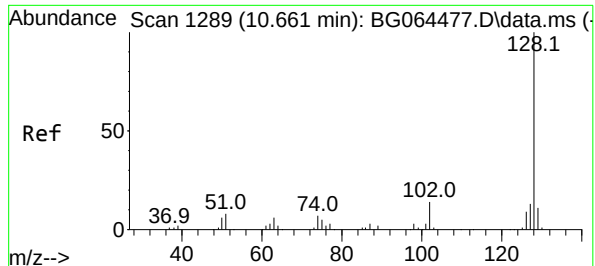
Delta R.T. 0.008 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

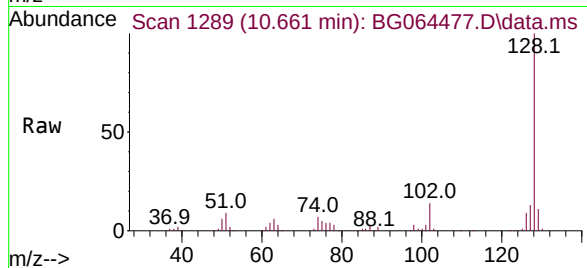
Tgt Ion:180	Resp:	56079
Ion Ratio	Lower	Upper
180	100	
182	94.3	75.4 113.2
145	29.0	23.2 34.8





#31
Naphthalene
Concen: 43.002 ng
RT: 10.661 min Scan# 1289
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



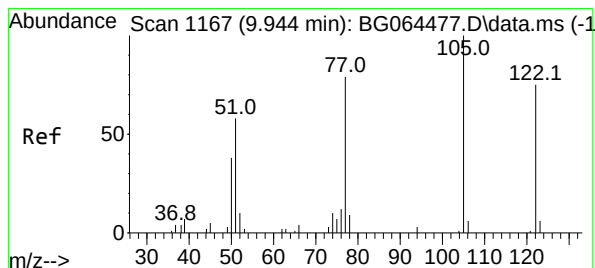
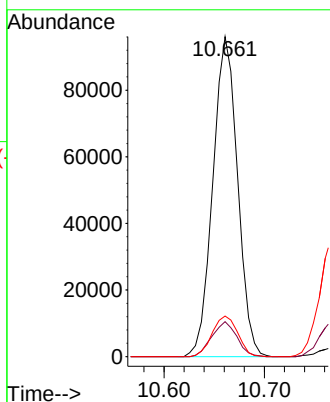
Tgt Ion:128 Resp: 164638
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 12.7 10.2 15.2

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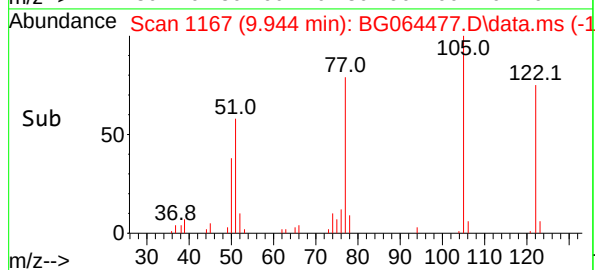
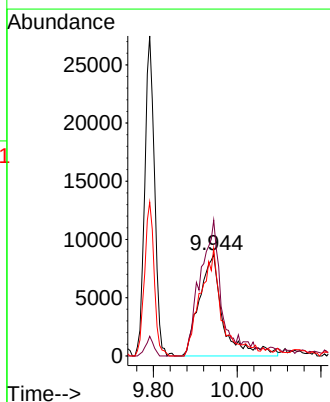
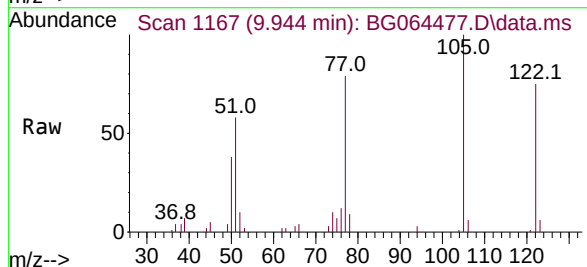
10/03/2025
Supervised By :Jagrut
Upadhyay

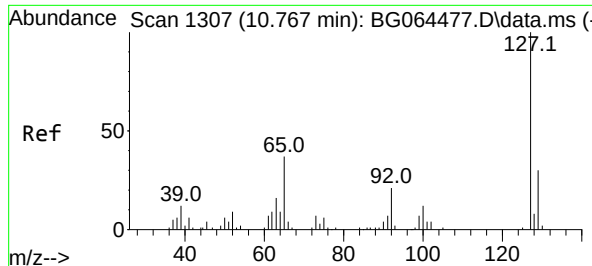
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#32
Benzoic acid
Concen: 42.319 ng m
RT: 9.944 min Scan# 1167
Delta R.T. 0.055 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

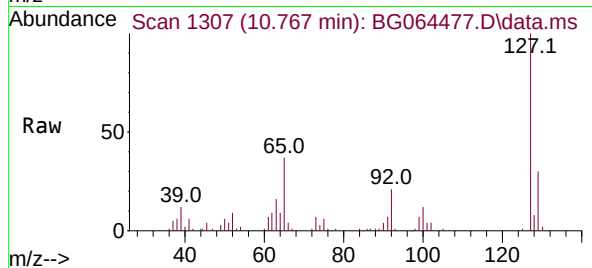
Tgt Ion:122 Resp: 34057
Ion Ratio Lower Upper
122 100
105 133.9 113.9 153.9
77 106.1 86.1 126.1





#33
4-Chloroaniline
Concen: 42.224 ng
RT: 10.767 min Scan# 1307
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



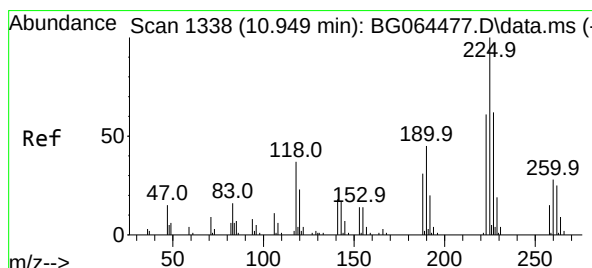
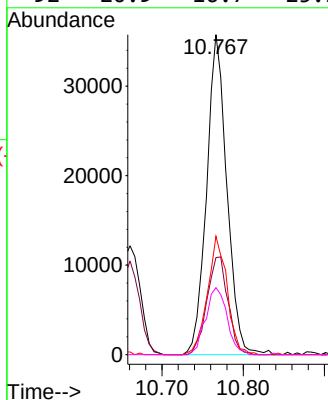
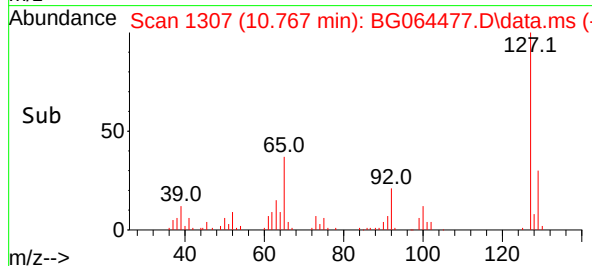
Tgt Ion:127 Resp: 62035
Ion Ratio Lower Upper
127 100
129 30.3 24.2 36.4
65 37.0 29.6 44.4
92 20.9 16.7 25.1

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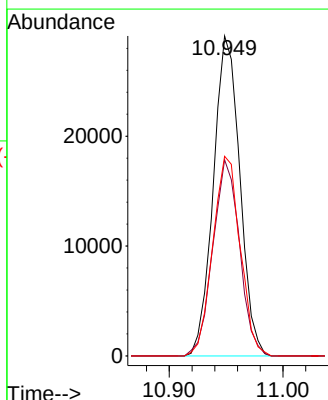
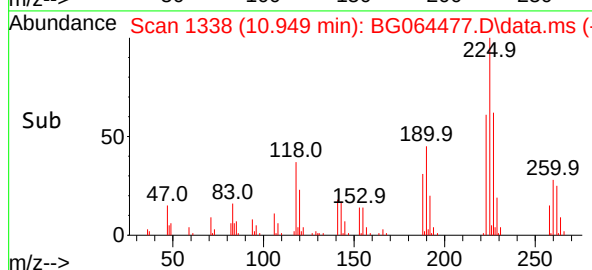
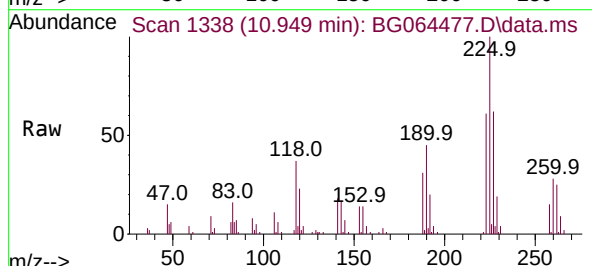
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Supervised By :Jagrut
Upadhyay

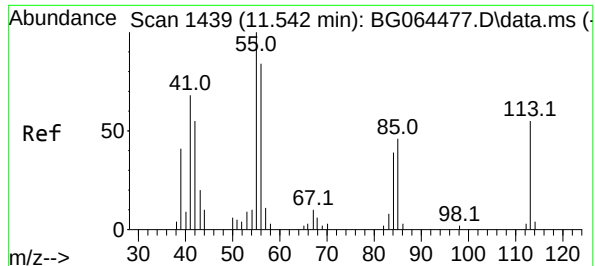
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#34
Hexachlorobutadiene
Concen: 41.566 ng
RT: 10.949 min Scan# 1338
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:225 Resp: 47047
Ion Ratio Lower Upper
225 100
223 61.3 49.0 73.6
227 62.4 49.9 74.9





#35
Caprolactam
Concen: 41.118 ng
RT: 11.542 min Scan# 1439
Delta R.T. 0.032 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

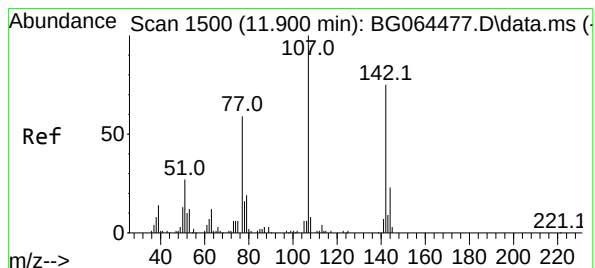
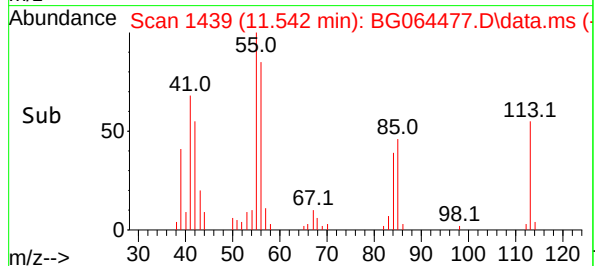
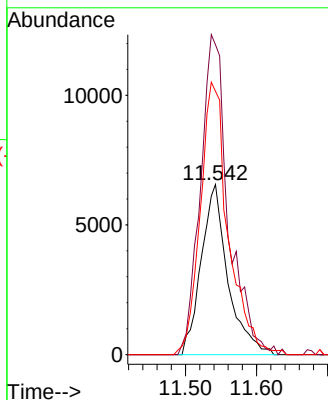
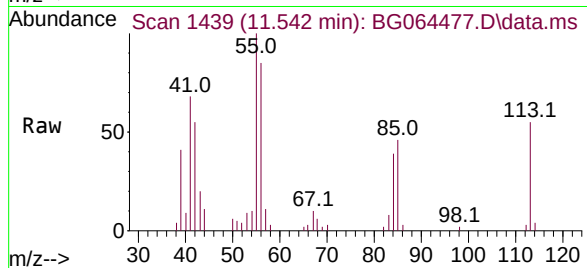
Tgt Ion:113 Resp: 17062
Ion Ratio Lower Upper
113 100
55 182.0 162.0 202.0
56 154.6 134.6 174.6

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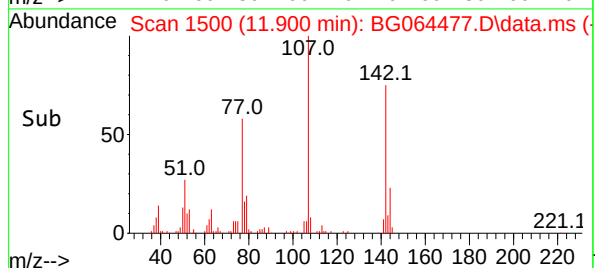
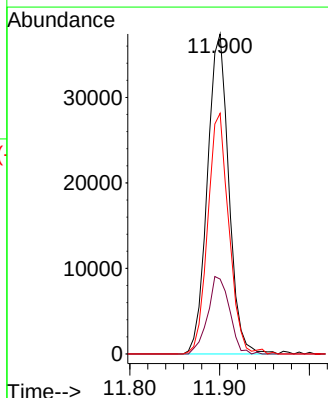
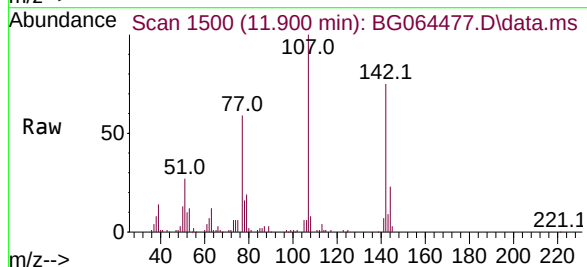
10/03/2025
Supervised By :Jagrut
Upadhyay

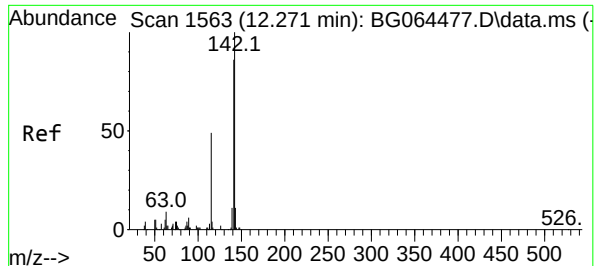
10/03/2025



#36
4-Chloro-3-methylphenol
Concen: 42.181 ng
RT: 11.900 min Scan# 1500
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

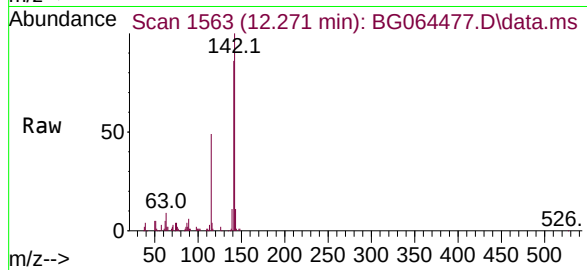
Tgt Ion:107 Resp: 62176
Ion Ratio Lower Upper
107 100
144 23.4 18.7 28.1
142 75.2 60.2 90.2





#37
2-Methylnaphthalene
Concen: 42.634 ng
RT: 12.271 min Scan# 1563
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



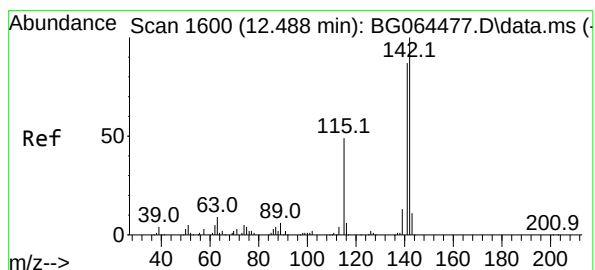
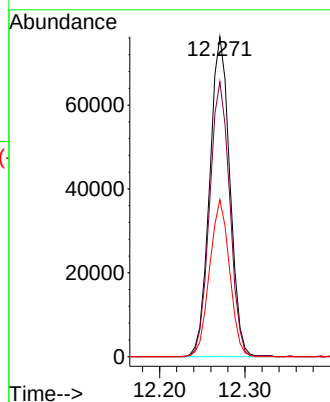
Tgt Ion:142 Resp: 125298
Ion Ratio Lower Upper
142 100
141 85.9 68.7 103.1
115 49.1 39.3 58.9

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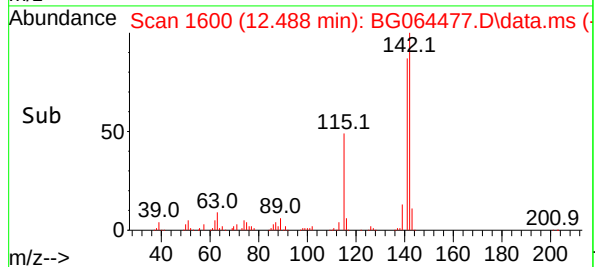
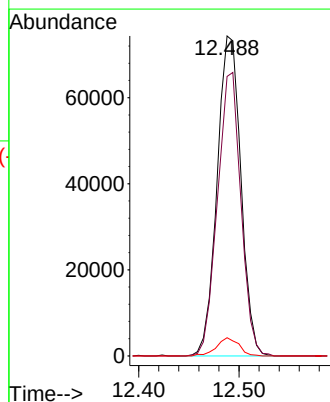
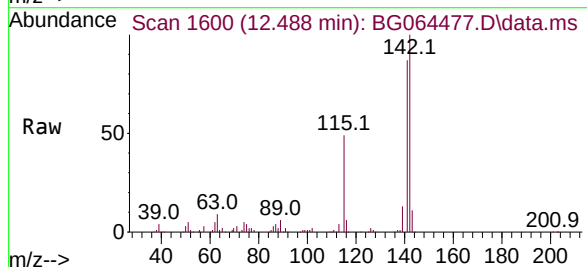
10/03/2025
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Upadhyay

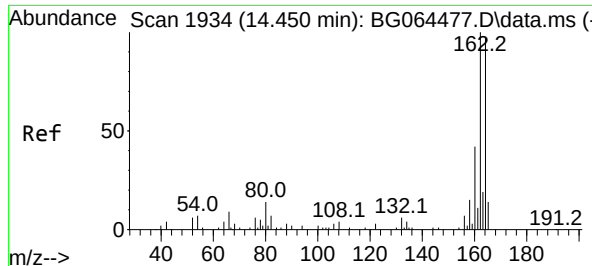
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#38
1-Methylnaphthalene
Concen: 41.851 ng
RT: 12.488 min Scan# 1600
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:142 Resp: 122645
Ion Ratio Lower Upper
142 100
141 87.3 69.8 104.8
116 6.0 4.6 6.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.450 min Scan# 1934

Delta R.T. 0.002 min

Lab File: BG064477.D

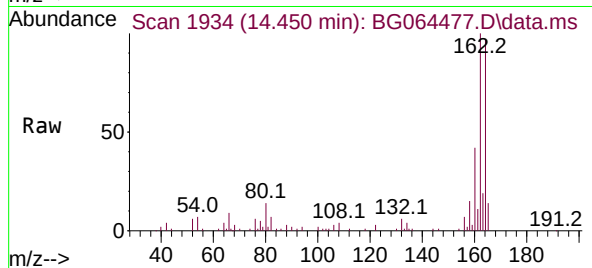
Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040



Tgt Ion:164 Resp: 56405

Ion Ratio Lower Upper

164 100

162 102.7 82.2 123.2

160 42.9 34.3 51.5

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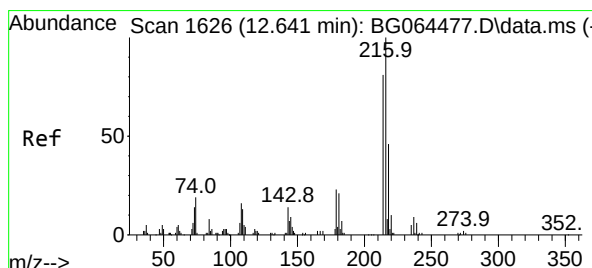
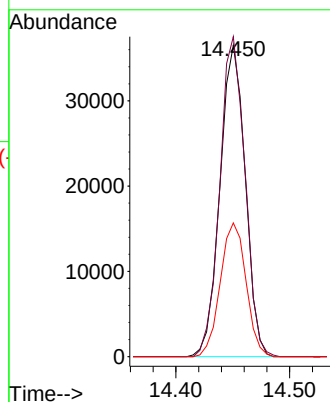
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Chavli

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Supervised By :Jagrut
Upadhyay

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.852 ng

RT: 12.641 min Scan# 1626

Delta R.T. 0.002 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Tgt Ion:216 Resp: 79864

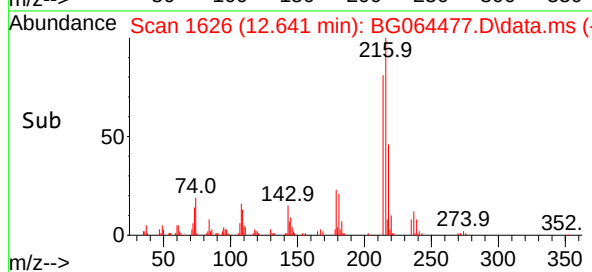
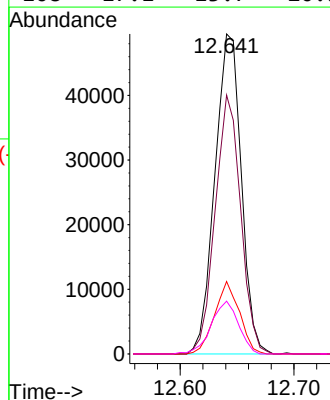
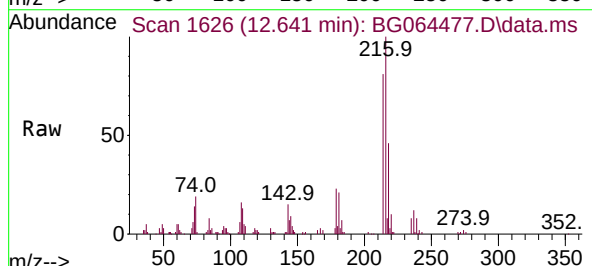
Ion Ratio Lower Upper

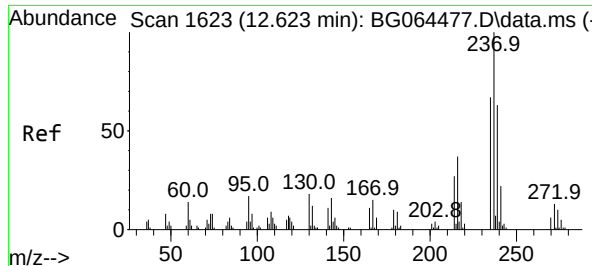
216 100

214 78.1 62.5 93.7

179 21.3 17.0 25.6

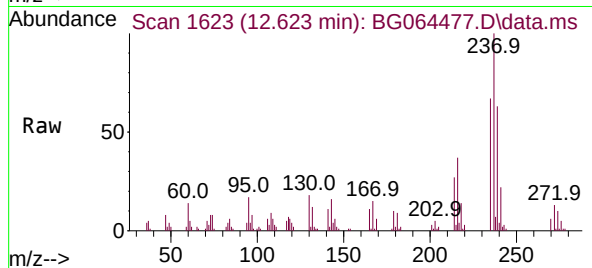
108 17.1 13.7 20.5





#41
Hexachlorocyclopentadiene
Concen: 42.981 ng
RT: 12.623 min Scan# 1623
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



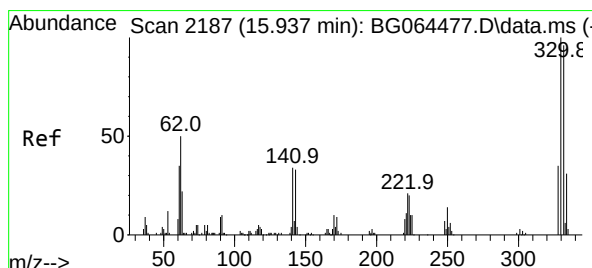
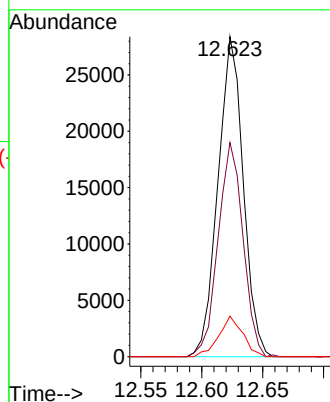
Tgt Ion: 237 Resp: 40946
Ion Ratio Lower Upper
237 100
235 66.9 46.9 86.9
272 12.6 0.0 32.6

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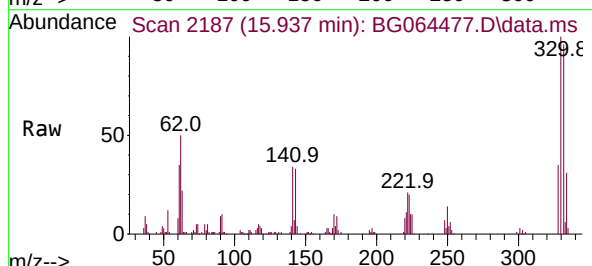
Reviewed By :Rahul
Chavli

10/03/2025
Supervised By :Jagrut
Upadhyay

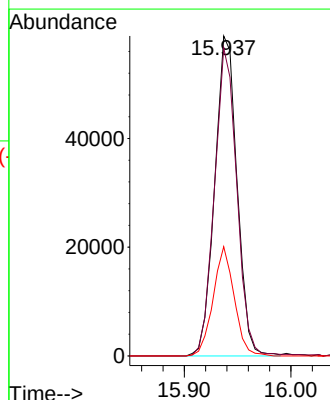
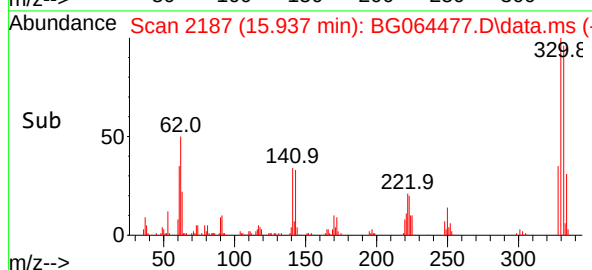
10/03/2025

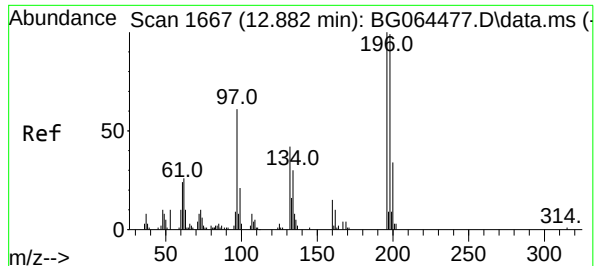


#42
2,4,6-Tribromophenol
Concen: 83.995 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14



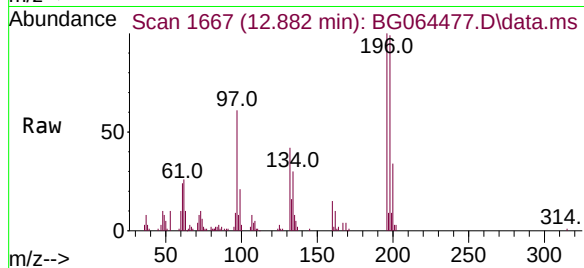
Tgt Ion: 330 Resp: 85878
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.0
141 32.2 25.8 38.6





#43
2,4,6-Trichlorophenol
Concen: 43.159 ng
RT: 12.882 min Scan# 1667
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



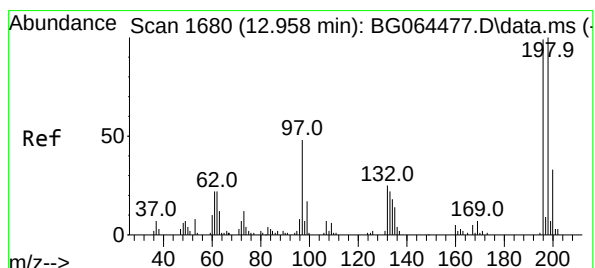
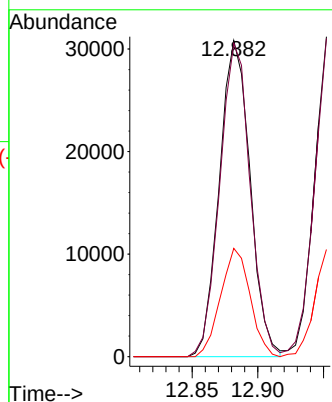
Tgt Ion:196 Resp: 5024
Ion Ratio Lower Upper
196 100
198 99.1 79.3 118.9
200 34.3 27.4 41.2

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Chavli

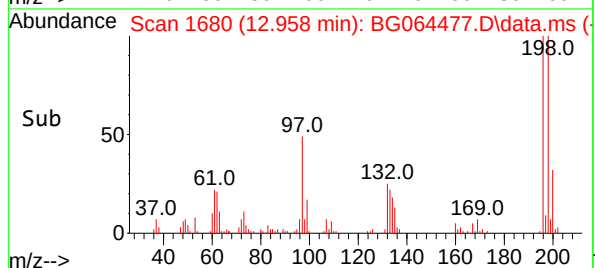
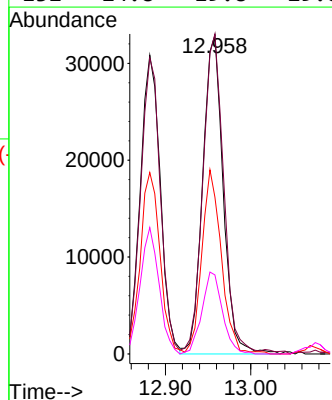
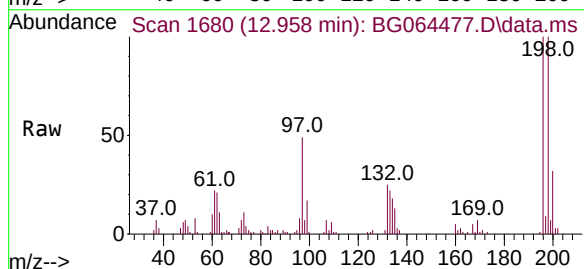
10/03/2025
Supervised By :Jagrut
Upadhyay

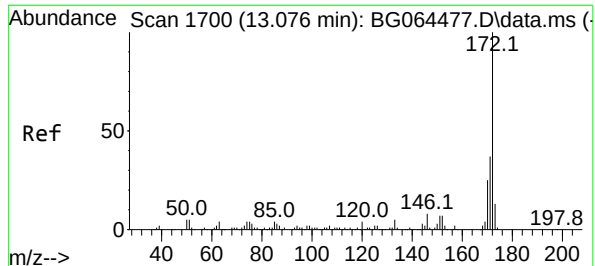
10/03/2025



#44
2,4,5-Trichlorophenol
Concen: 42.147 ng
RT: 12.958 min Scan# 1680
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

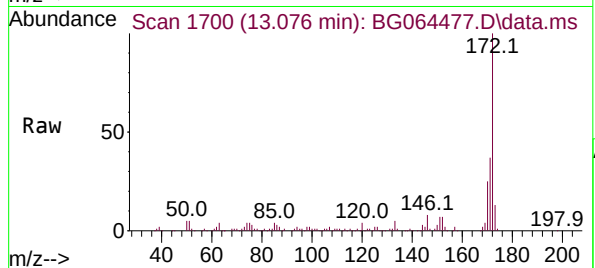
Tgt Ion:196 Resp: 54781
Ion Ratio Lower Upper
196 100
198 100.4 80.3 120.5
97 49.2 39.4 59.0
132 24.8 19.8 29.8





#45
2-Fluorobiphenyl
Concen: 84.566 ng
RT: 13.076 min Scan# 1700
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



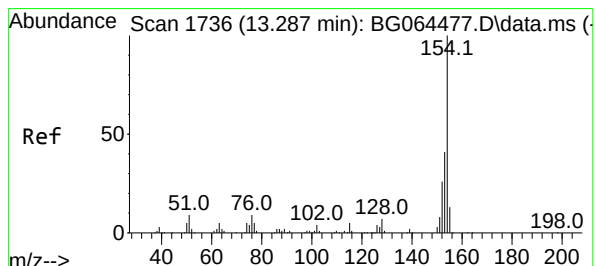
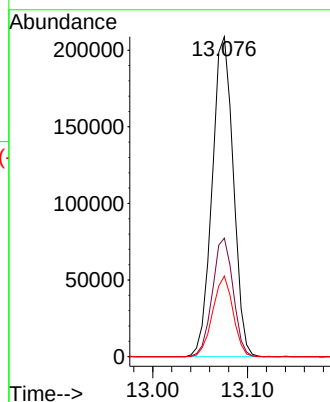
Tgt Ion:172 Resp: 323605
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 25.2 20.2 30.2

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Chavli

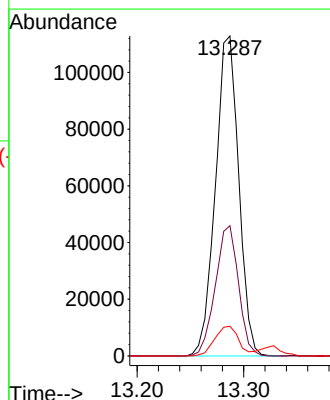
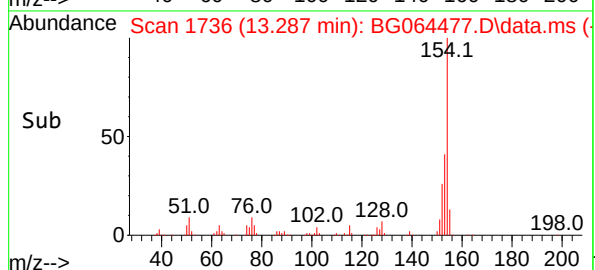
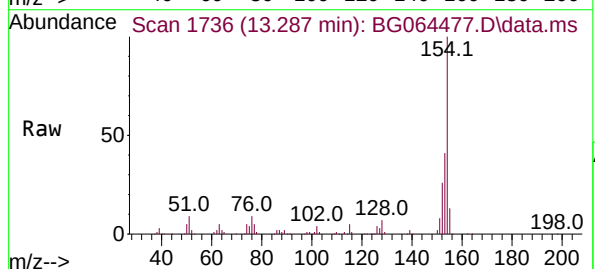
10/03/2025
Supervised By :Jagrut
Upadhyay

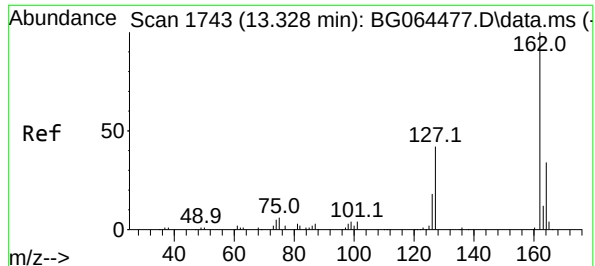
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#46
1,1'-Biphenyl
Concen: 42.286 ng
RT: 13.287 min Scan# 1736
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:154 Resp: 171549
Ion Ratio Lower Upper
154 100
153 40.7 20.7 60.7
76 9.3 0.0 29.3





#47

2-Chloronaphthalene

Concen: 42.951 ng

RT: 13.328 min Scan# 1743

Delta R.T. 0.008 min

Lab File: BG064477.D

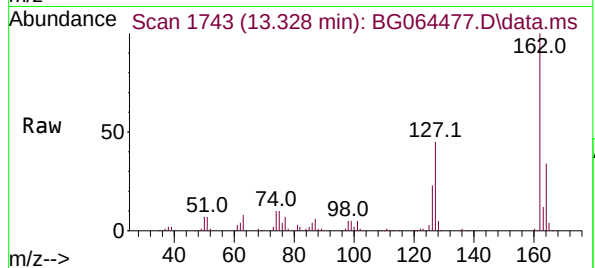
Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040



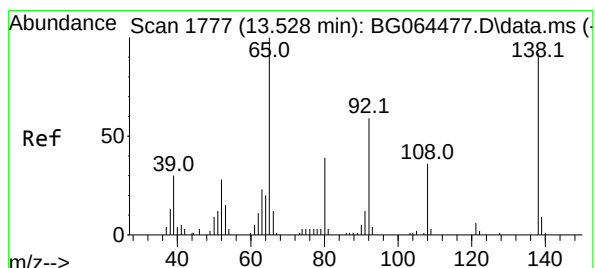
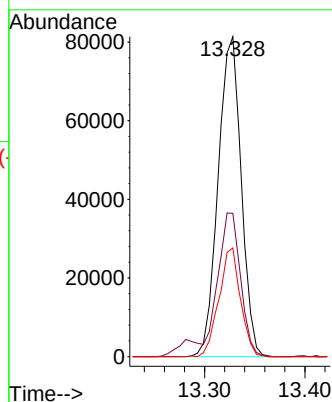
Tgt Ion:	162	Resp:	130095
Ion	Ratio	Lower	Upper
162	100		
127	44.8	35.8	53.8
164	34.0	27.2	40.8

Manual Integrations
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Reviewed By :Rahul
Chavli

10/03/2025
Supervised By :Jagrut
Upadhyay

10/03/2025



#48

2-Nitroaniline

Concen: 43.302 ng

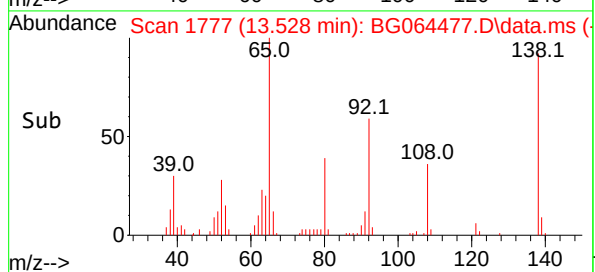
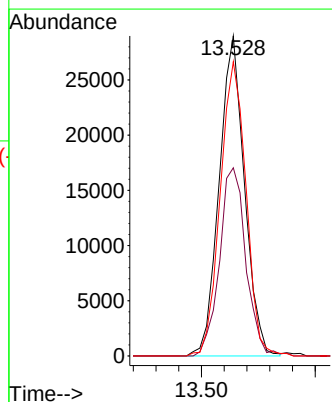
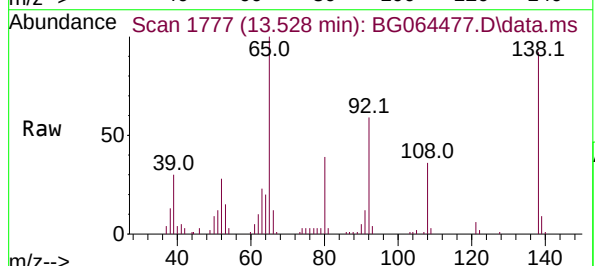
RT: 13.528 min Scan# 1777

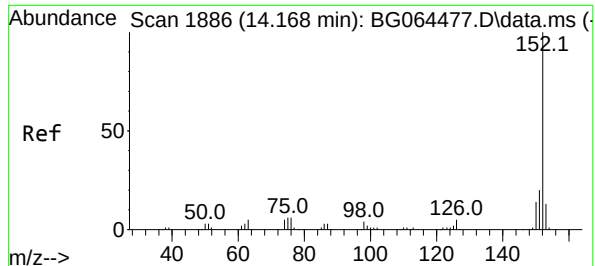
Delta R.T. 0.002 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Tgt Ion:	65	Resp:	44764
Ion	Ratio	Lower	Upper
65	100		
92	58.8	47.0	70.6
138	91.9	73.5	110.3





#49

Acenaphthylene

Concen: 42.745 ng

RT: 14.168 min Scan# 1886

Delta R.T. -0.003 min

Lab File: BG064477.D

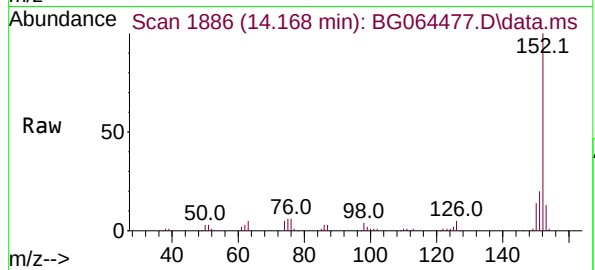
Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

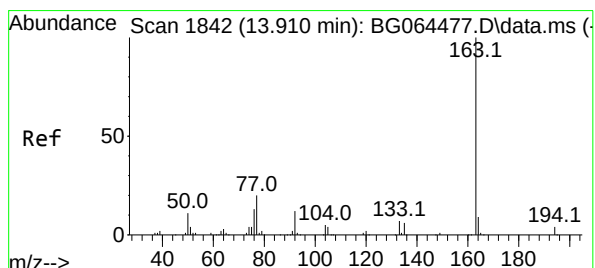
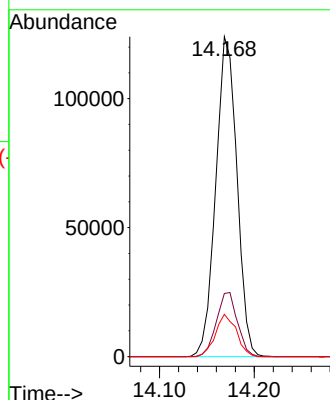
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Tgt Ion:	152	Resp:	192196
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.8	23.6
153	13.2	10.6	15.8

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Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

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#50

Dimethylphthalate

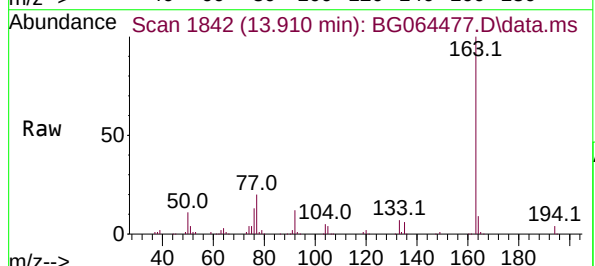
Concen: 41.482 ng

RT: 13.910 min Scan# 1842

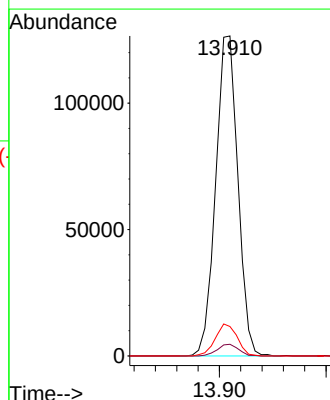
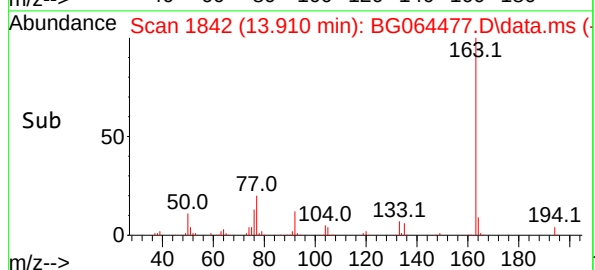
Delta R.T. 0.008 min

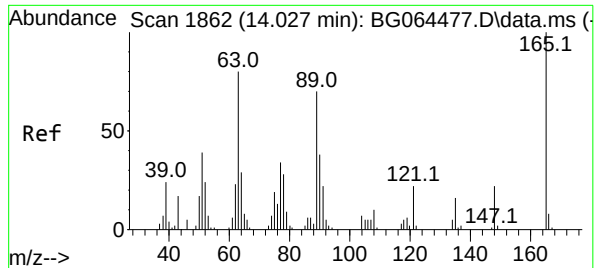
Lab File: BG064477.D

Acq: 2 Oct 2025 12:14



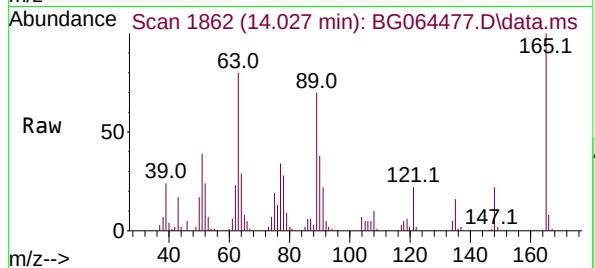
Tgt Ion:	163	Resp:	183253
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.9	4.3
164	9.2	7.4	11.0





#51
2,6-Dinitrotoluene
Concen: 41.318 ng
RT: 14.027 min Scan# 1862
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



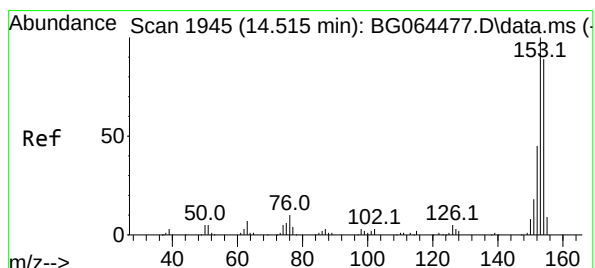
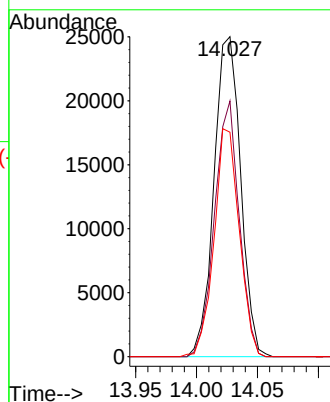
Tgt Ion:165 Resp: 38023
Ion Ratio Lower Upper
165 100
63 79.9 63.9 95.9
89 70.1 56.1 84.1

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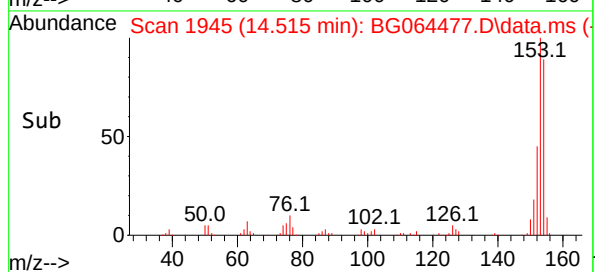
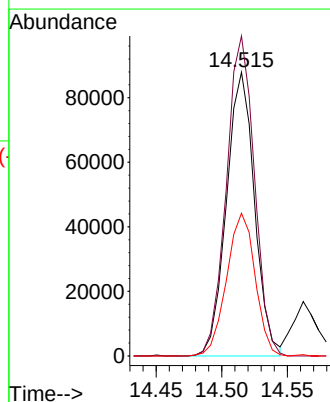
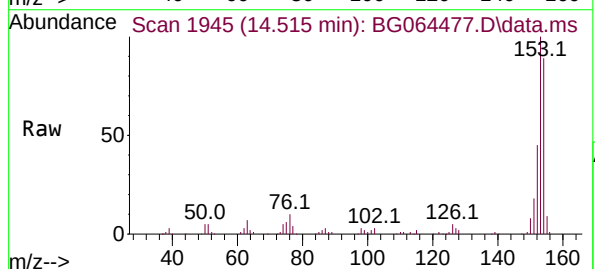
10/03/2025
Supervised By :Jagrut
Upadhyay

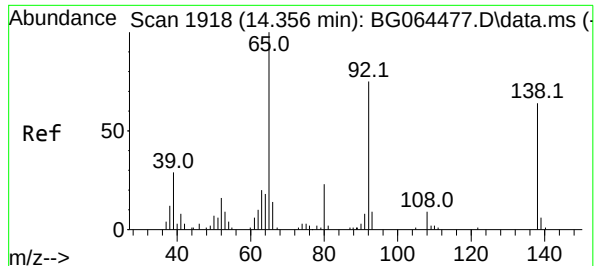
10/03/2025



#52
Acenaphthene
Concen: 41.846 ng
RT: 14.515 min Scan# 1945
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

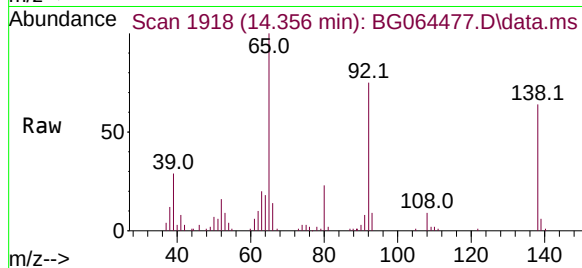
Tgt Ion:154 Resp: 130718
Ion Ratio Lower Upper
154 100
153 112.8 90.2 135.4
152 50.3 40.2 60.4





#53
3-Nitroaniline
Concen: 42.448 ng
RT: 14.356 min Scan# 1918
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



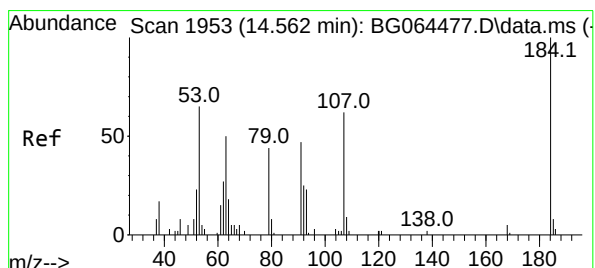
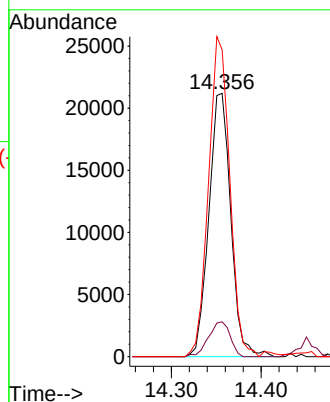
Tgt Ion:138 Resp: 36025
Ion Ratio Lower Upper
138 100
108 13.2 10.6 15.8
92 116.5 93.2 139.8

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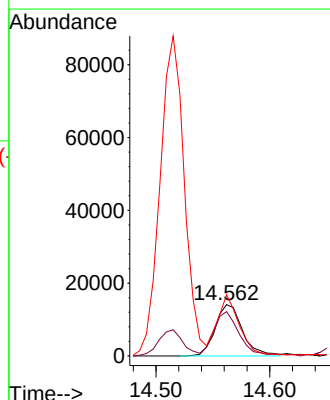
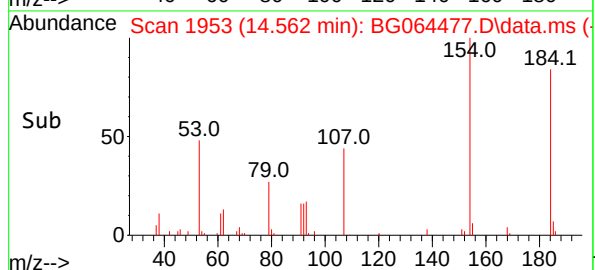
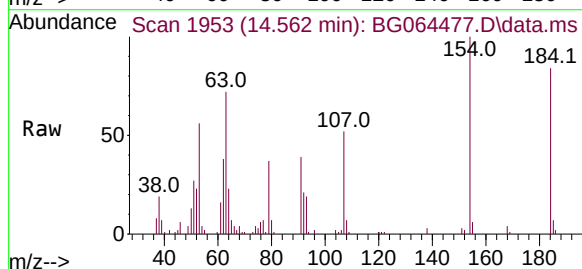
10/03/2025
Supervised By :Jagrut
Upadhyay

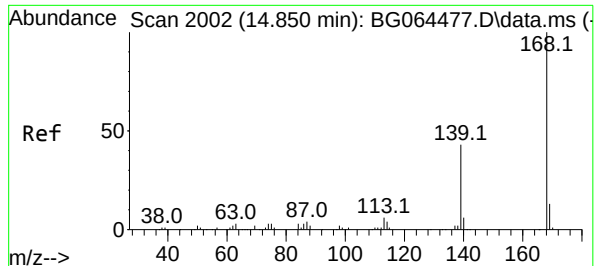
10/03/2025



#54
2,4-Dinitrophenol
Concen: 35.006 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

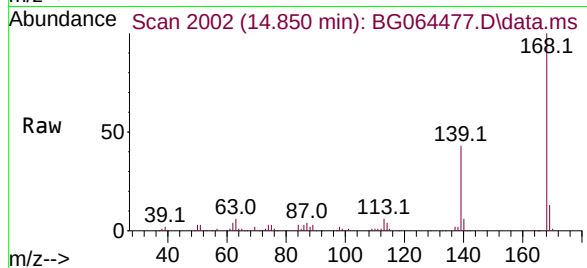
Tgt Ion:184 Resp: 23359
Ion Ratio Lower Upper
184 100
63 86.2 69.0 103.4
154 119.5 95.6 143.4





#55
Dibenzenofuran
Concen: 41.749 ng
RT: 14.850 min Scan# 2002
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



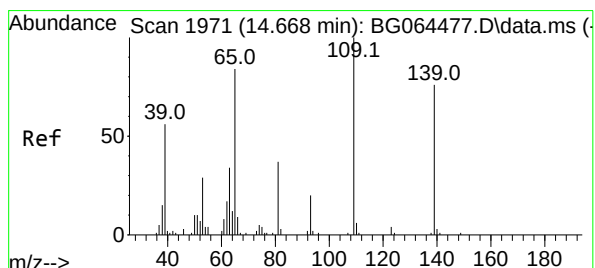
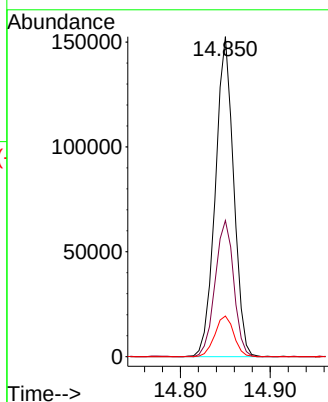
Tgt Ion:168 Resp: 215338
Ion Ratio Lower Upper
168 100
139 42.5 34.0 51.0
169 12.7 10.2 15.2

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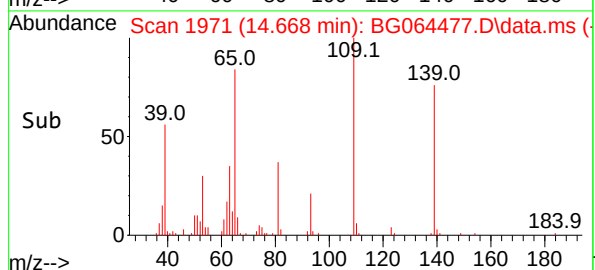
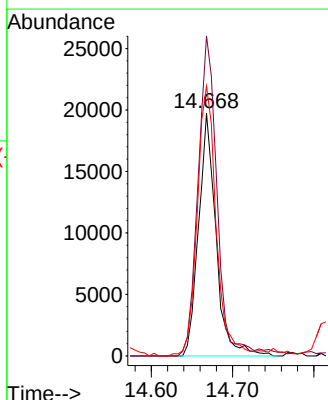
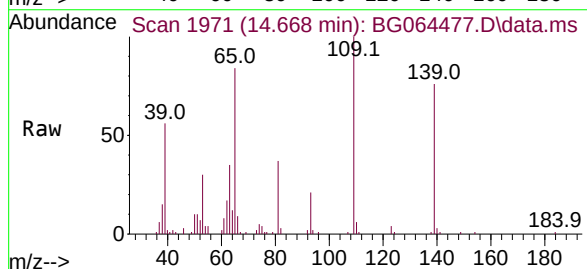
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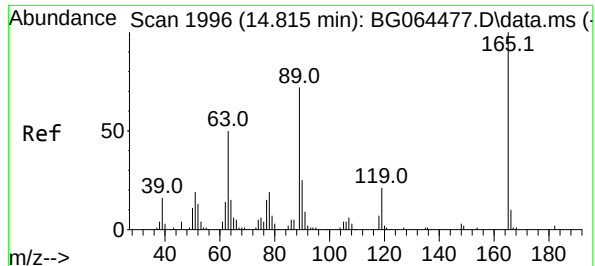
10/03/2025



#56
4-Nitrophenol
Concen: 43.974 ng
RT: 14.668 min Scan# 1971
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

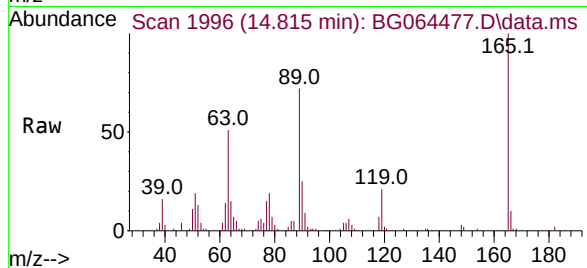
Tgt Ion:139 Resp: 29383
Ion Ratio Lower Upper
139 100
109 131.8 111.8 151.8
65 111.1 91.1 131.1





#57
2,4-Dinitrotoluene
Concen: 42.268 ng
RT: 14.815 min Scan# 1996
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



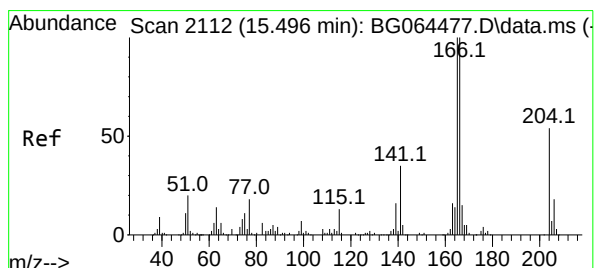
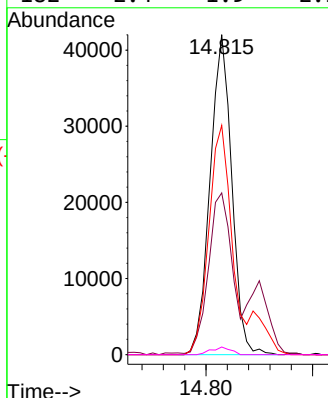
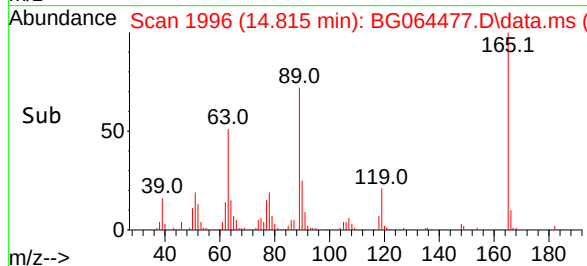
Tgt Ion:165 Resp: 59462
Ion Ratio Lower Upper
165 100
63 50.5 40.4 60.6
89 71.6 57.3 85.9
182 2.4 1.9 2.9

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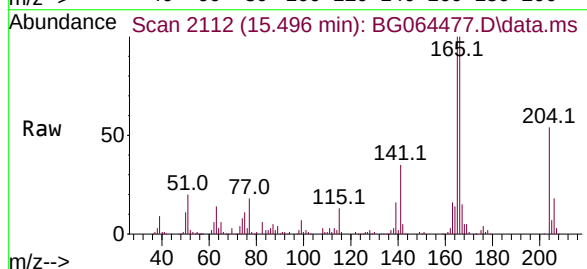
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Chavli

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Supervised By :Jagrut
Upadhyay

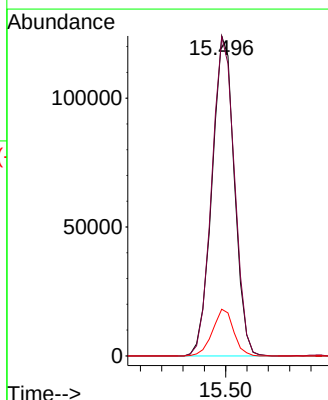
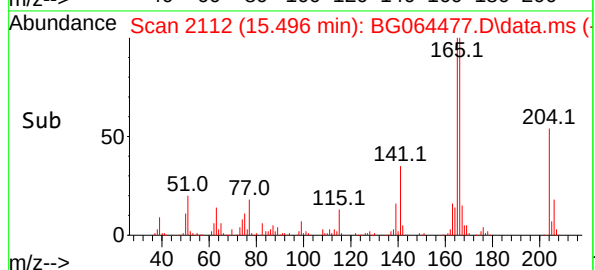
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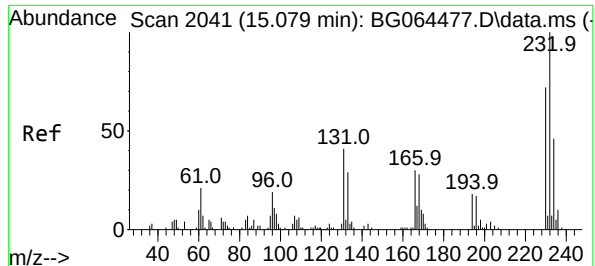


#58
Fluorene
Concen: 42.112 ng
RT: 15.496 min Scan# 2112
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14



Tgt Ion:166 Resp: 180574
Ion Ratio Lower Upper
166 100
165 99.7 79.8 119.6
167 14.6 11.7 17.5





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.971 ng
RT: 15.079 min Scan# 2041
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

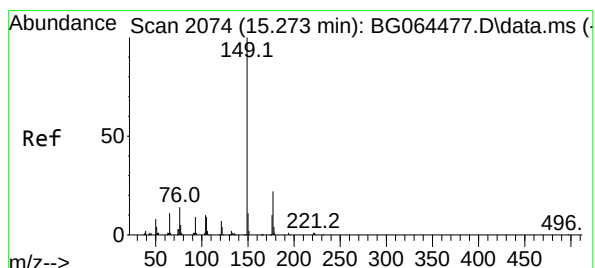
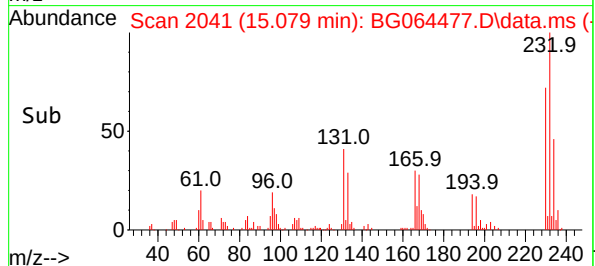
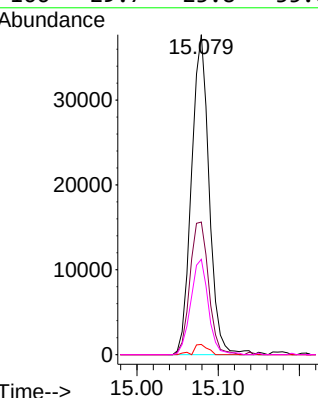
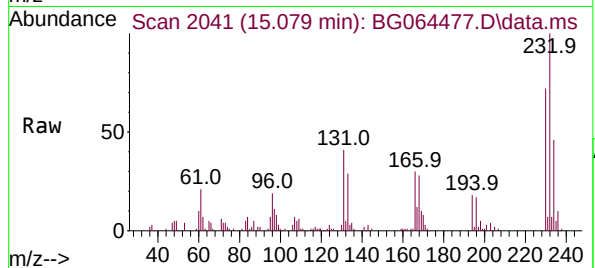
Tgt Ion	Ratio	Lower	Upper
232	100		
131	43.7	35.0	52.4
130	2.5	2.0	3.0
166	29.7	23.8	35.6

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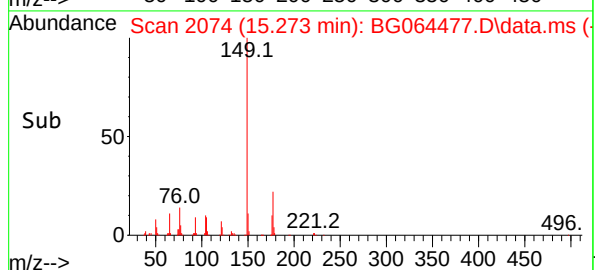
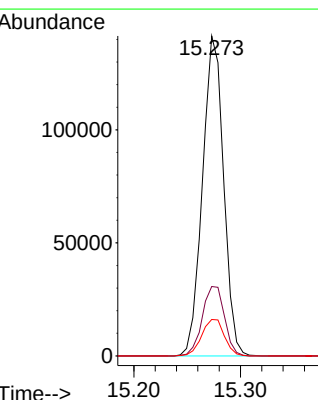
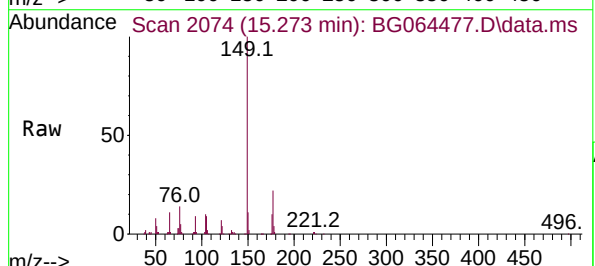
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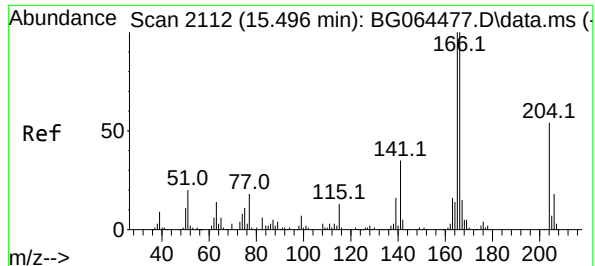
10/03/2025



#60
Diethylphthalate
Concen: 41.179 ng
RT: 15.273 min Scan# 2074
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

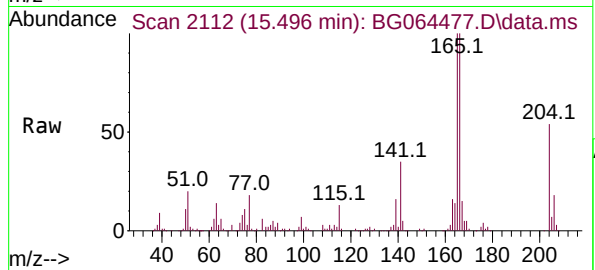
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.4	26.0
150	11.4	9.1	13.7





#61
4-Chlorophenyl-phenylether
Concen: 41.818 ng
RT: 15.496 min Scan# 2112
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



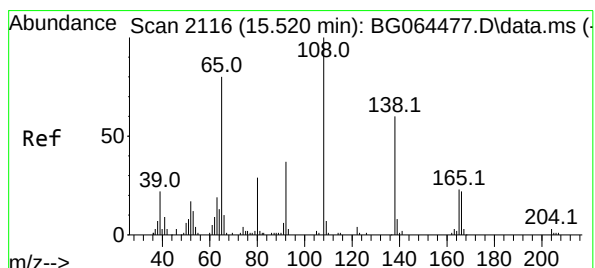
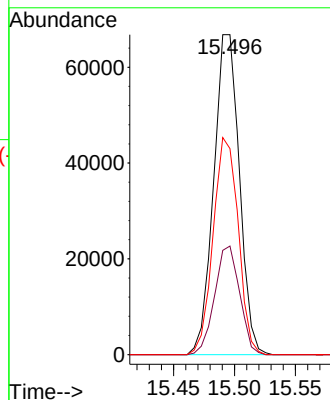
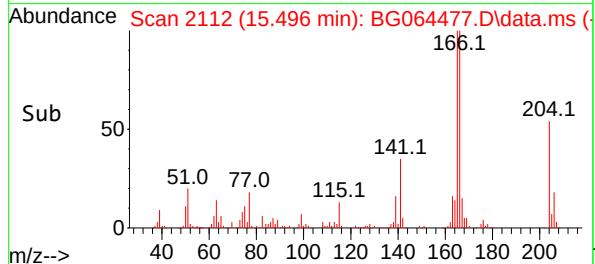
Tgt Ion:204 Resp: 97895
Ion Ratio Lower Upper
204 100
206 33.9 27.1 40.7
141 64.4 51.5 77.3

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Chavli

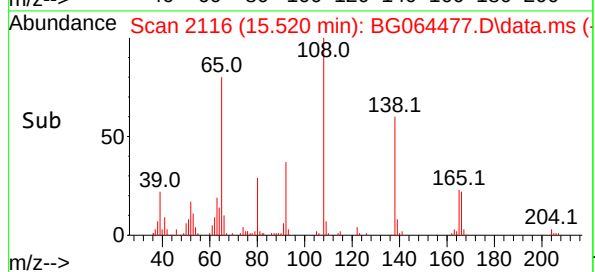
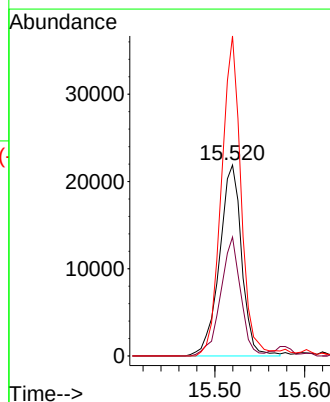
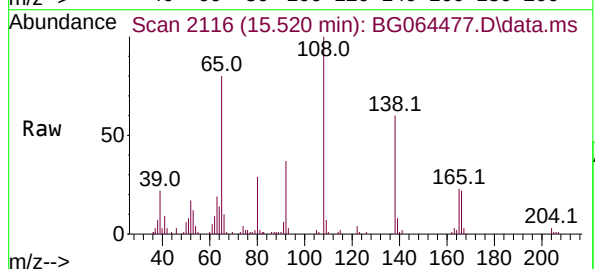
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Supervised By :Jagrut
Upadhyay

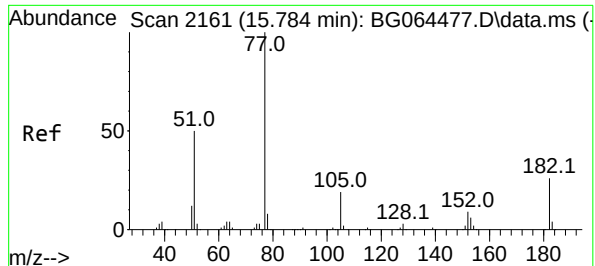
10/03/2025



#62
4-Nitroaniline
Concen: 42.613 ng
RT: 15.520 min Scan# 2116
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

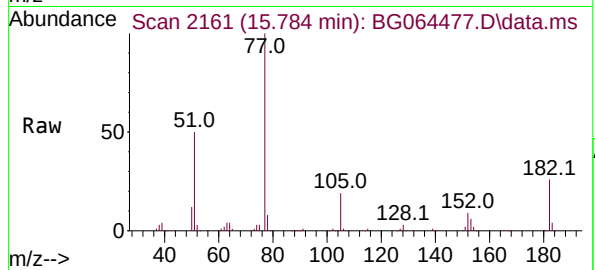
Tgt Ion:138 Resp: 37694
Ion Ratio Lower Upper
138 100
92 62.3 42.3 82.3
108 167.7 147.7 187.7





#63
Azobenzene
Concen: 41.381 ng
RT: 15.784 min Scan# 2161
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



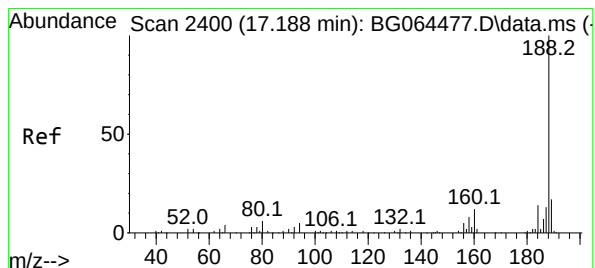
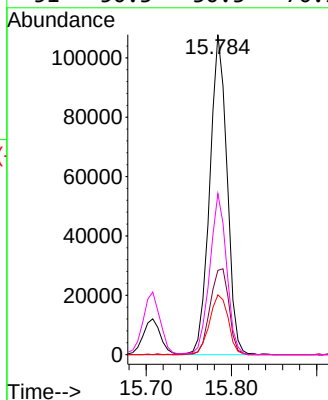
Tgt Ion: 77 Resp: 151875
Ion Ratio Lower Upper
77 100
182 26.3 6.3 46.3
105 18.7 0.0 38.7
51 50.3 30.3 70.3

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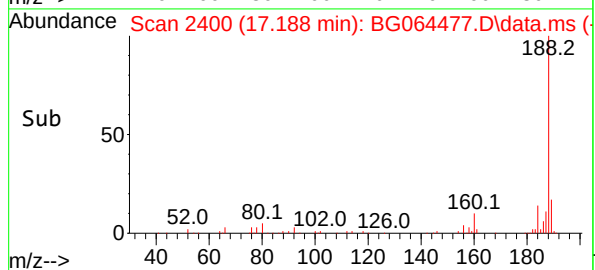
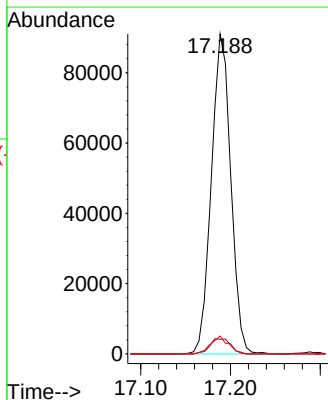
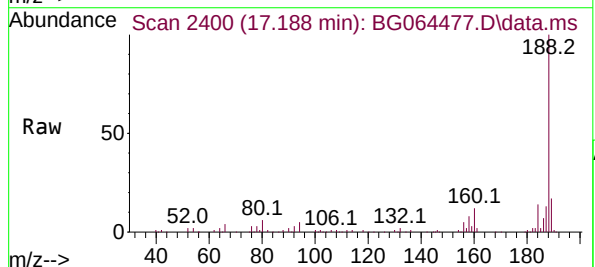
10/03/2025
Supervised By :Jagrut
Upadhyay

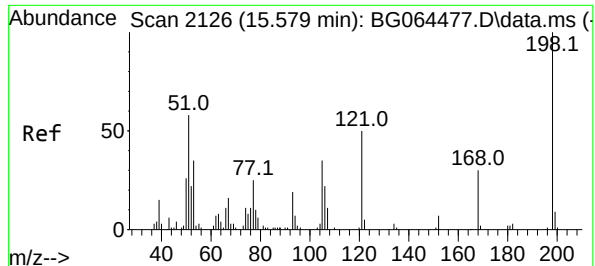
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 2400
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:188 Resp: 137065
Ion Ratio Lower Upper
188 100
94 4.6 3.7 5.5
80 5.6 4.5 6.7





#65
4,6-Dinitro-2-methylphenol
Concen: 41.634 ng
RT: 15.579 min Scan# 2126
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

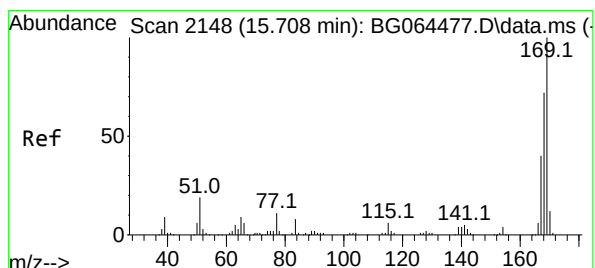
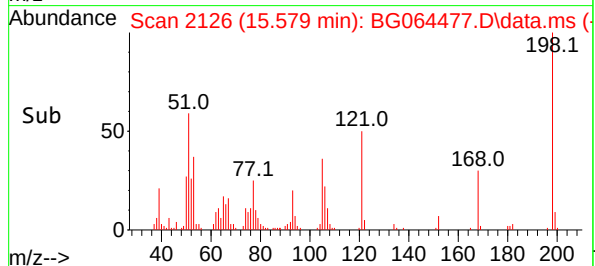
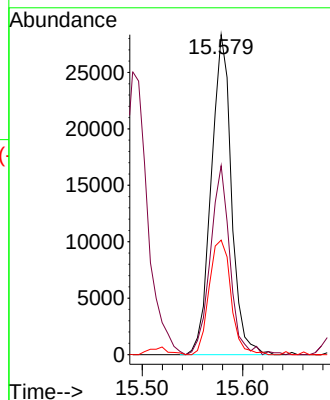
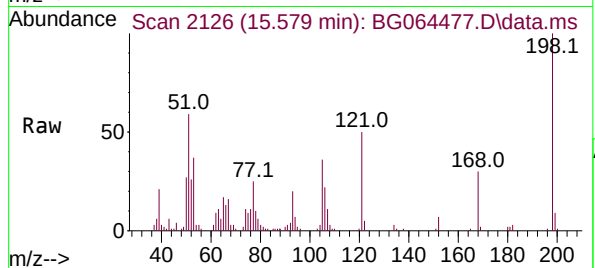
Tgt Ion:198 Resp: 39733
Ion Ratio Lower Upper
198 100
51 59.0 39.0 79.0
105 35.8 15.8 55.8

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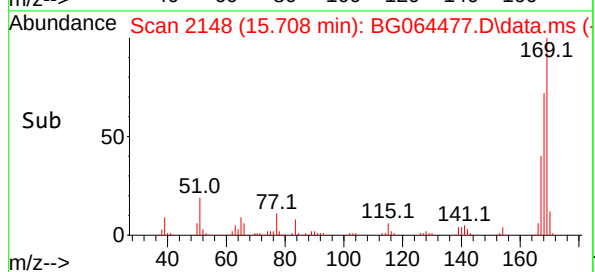
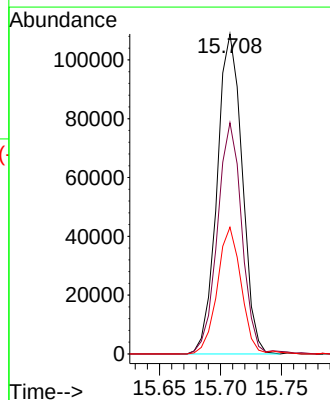
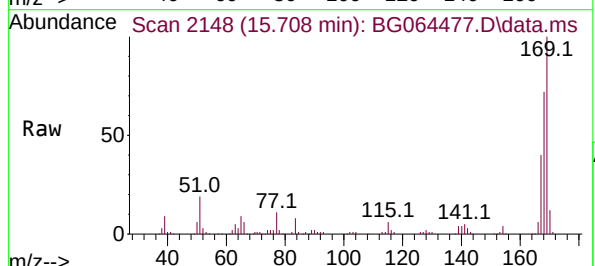
10/03/2025
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Upadhyay

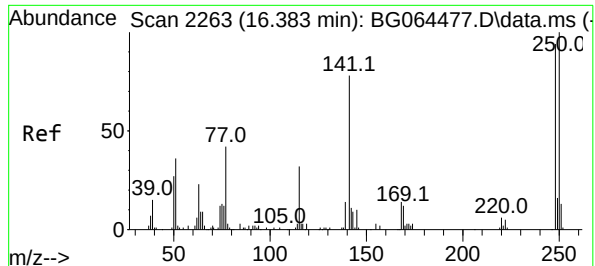
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#66
n-Nitrosodiphenylamine
Concen: 42.580 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

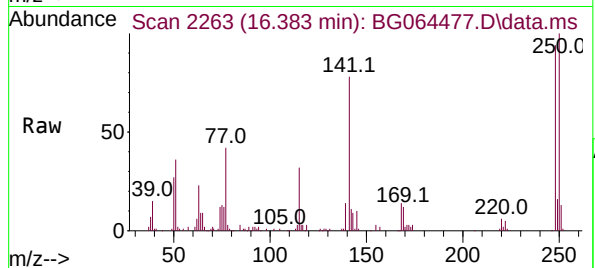
Tgt Ion:169 Resp: 155849
Ion Ratio Lower Upper
169 100
168 72.2 57.8 86.6
167 39.6 31.7 47.5





#67
4-Bromophenyl-phenylether
Concen: 43.066 ng
RT: 16.383 min Scan# 2263
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



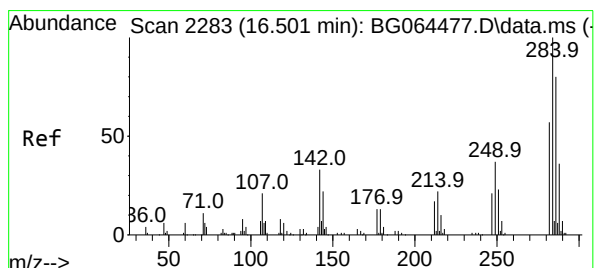
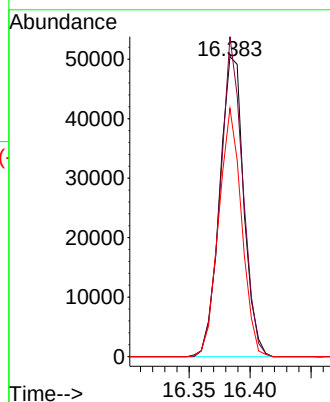
Tgt Ion:248 Resp: 69462
Ion Ratio Lower Upper
248 100
250 106.6 85.3 127.9
141 82.7 66.2 99.2

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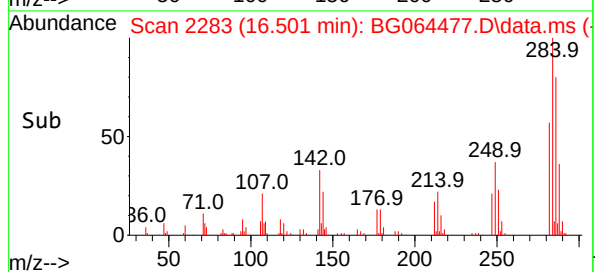
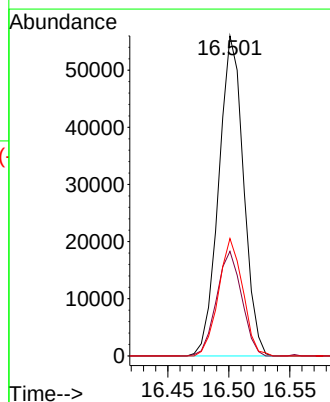
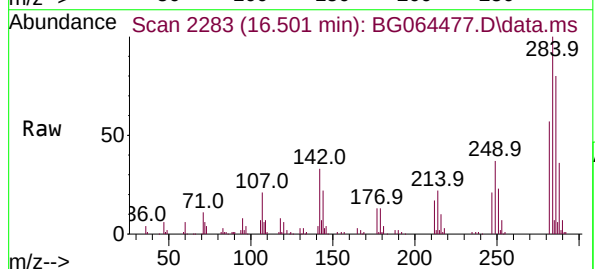
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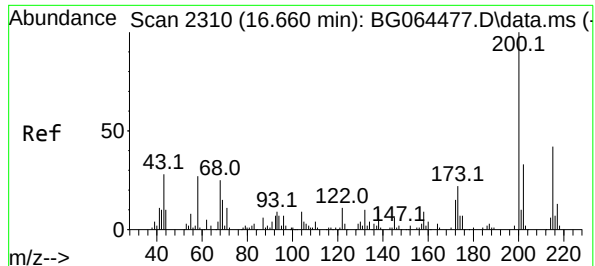
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#68
Hexachlorobenzene
Concen: 42.809 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:284 Resp: 79010
Ion Ratio Lower Upper
284 100
142 32.7 26.2 39.2
249 36.7 29.4 44.0





#69

Atrazine

Concen: 42.039 ng

RT: 16.660 min Scan# 2310

Delta R.T. 0.008 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

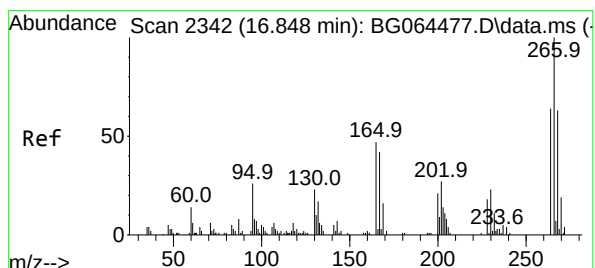
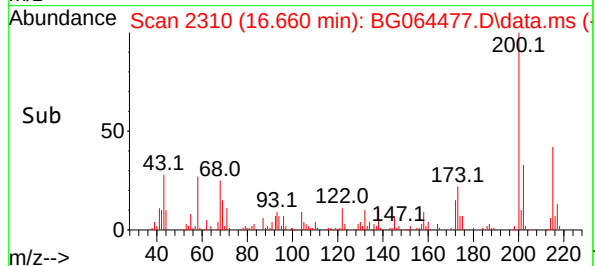
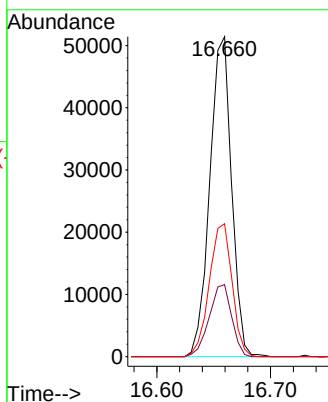
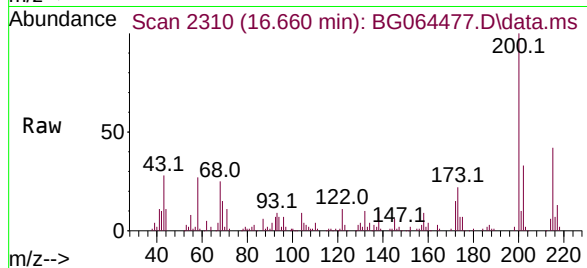
Tgt Ion:200 Resp: 68458
Ion Ratio Lower Upper
200 100
173 22.5 2.5 42.5
215 41.5 21.5 61.5

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Upadhyay

10/03/2025



#70

Pentachlorophenol

Concen: 43.049 ng

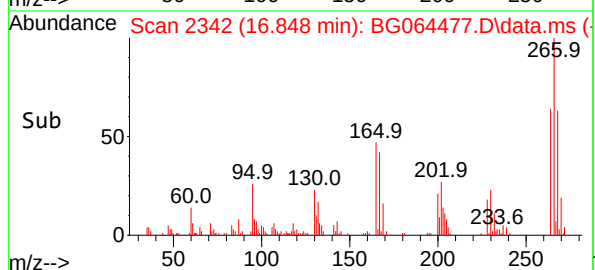
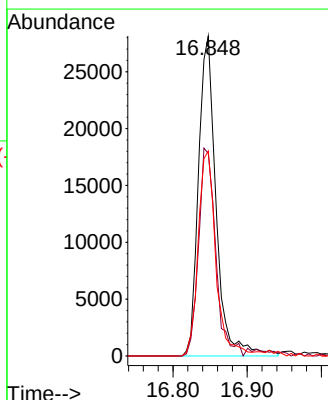
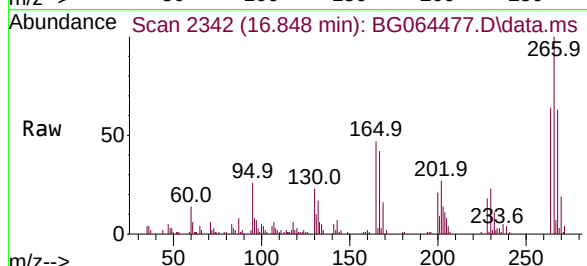
RT: 16.848 min Scan# 2342

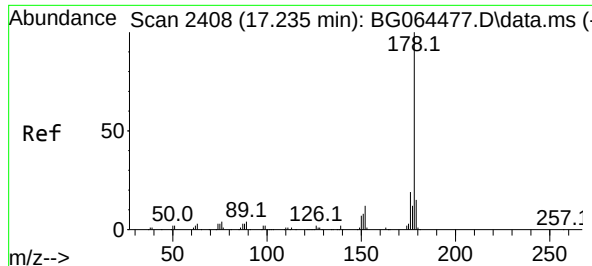
Delta R.T. 0.002 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

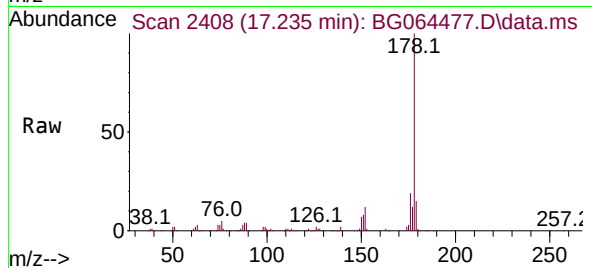
Tgt Ion:266 Resp: 46456
Ion Ratio Lower Upper
266 100
268 63.2 50.6 75.8
264 64.0 51.2 76.8





#71
Phenanthrene
Concen: 42.473 ng
RT: 17.235 min Scan# 2408
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



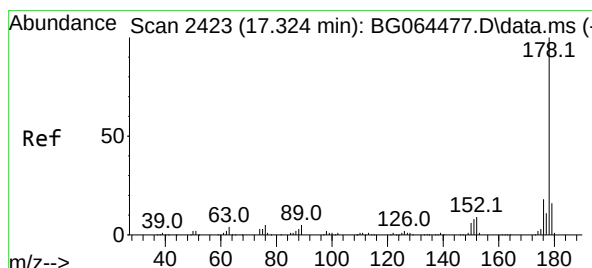
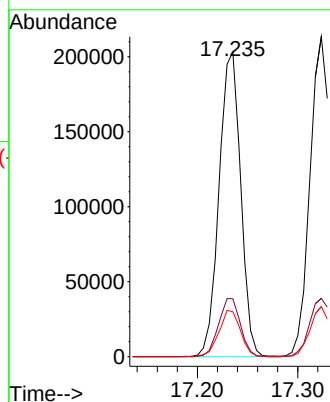
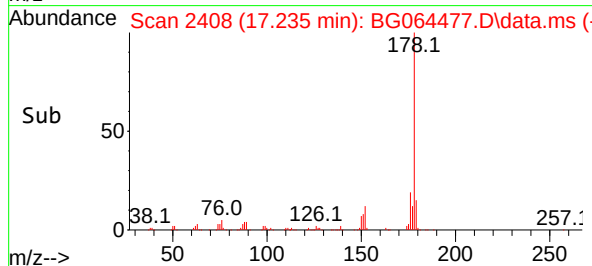
Tgt Ion:178 Resp: 304441
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 14.7 11.8 17.6

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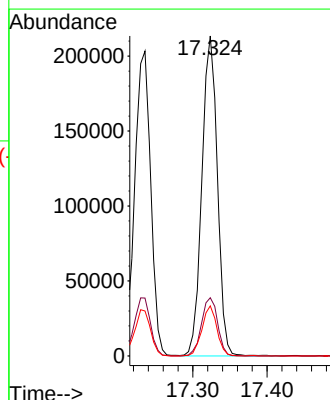
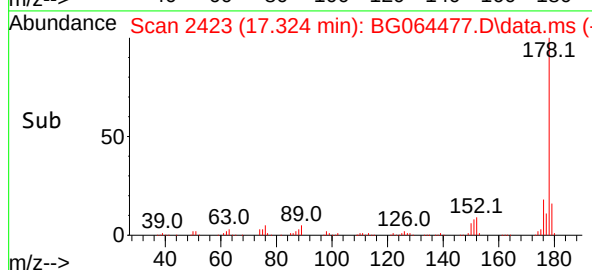
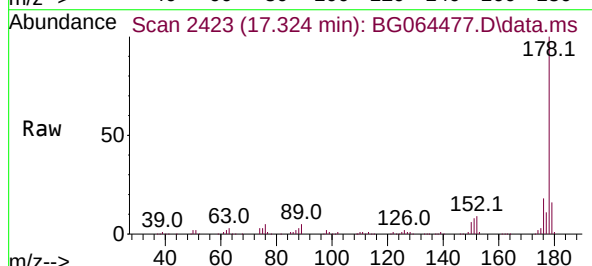
10/03/2025
Supervised By :Jagrut
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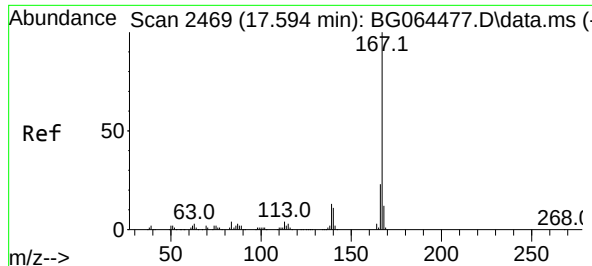
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#72
Anthracene
Concen: 43.082 ng
RT: 17.324 min Scan# 2423
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

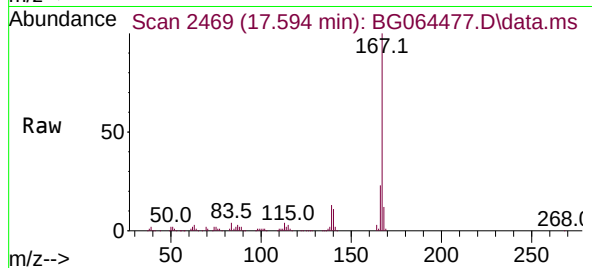
Tgt Ion:178 Resp: 309798
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.6 12.5 18.7





#73
Carbazole
Concen: 43.520 ng
RT: 17.594 min Scan# 2469
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



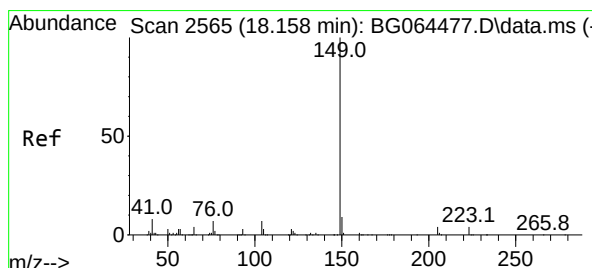
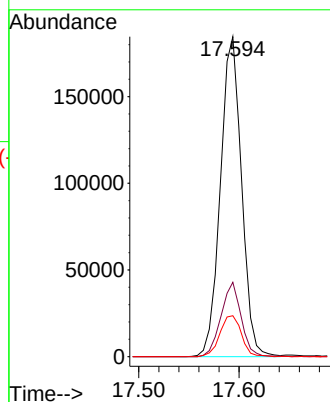
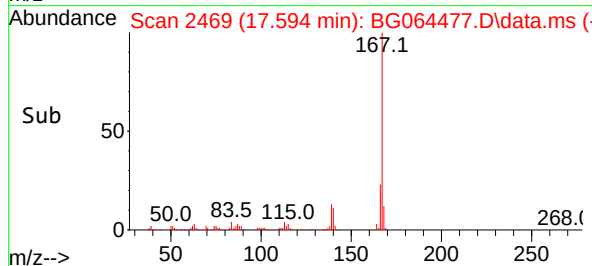
Tgt Ion:167 Resp: 270505
Ion Ratio Lower Upper
167 100
166 23.2 18.6 27.8
139 12.8 10.2 15.4

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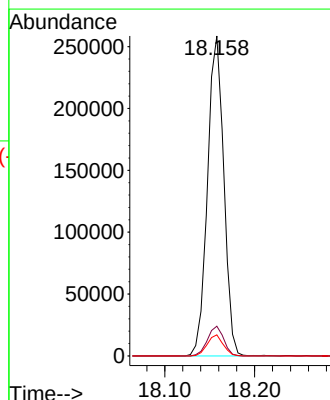
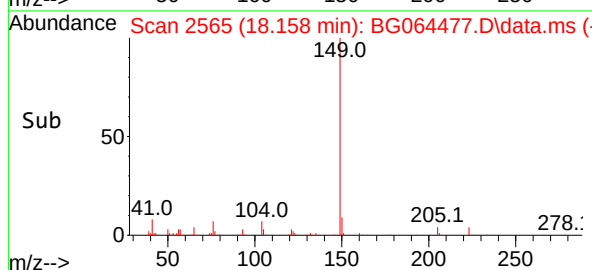
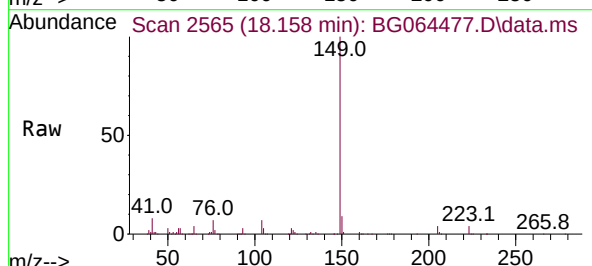
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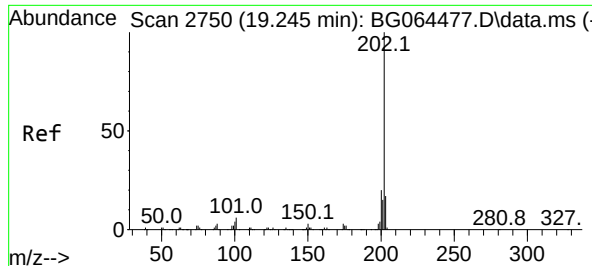
10/03/2025



#74
Di-n-butylphthalate
Concen: 42.948 ng
RT: 18.158 min Scan# 2565
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

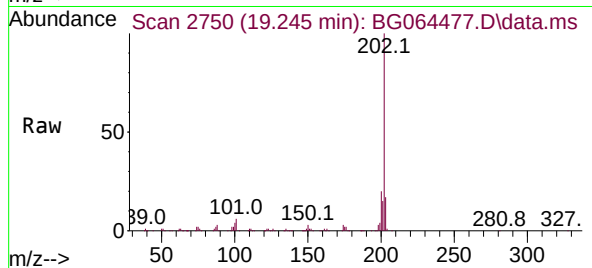
Tgt Ion:149 Resp: 325874
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 6.6 5.3 7.9





#75
Fluoranthene
Concen: 42.577 ng
RT: 19.245 min Scan# 2750
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



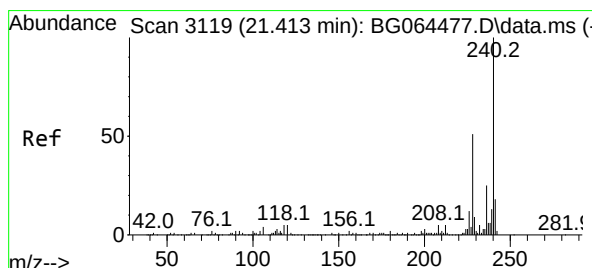
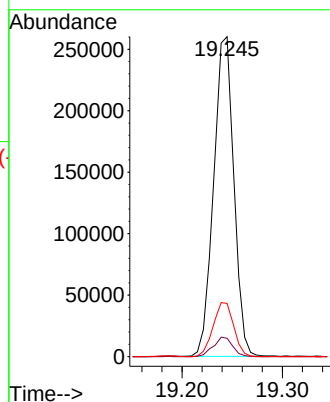
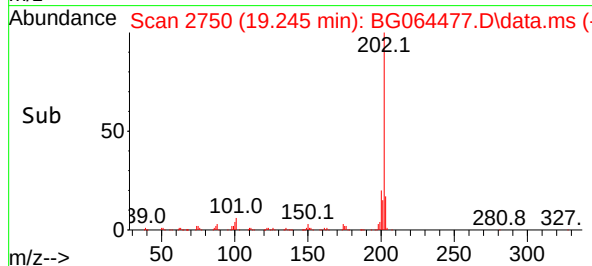
Tgt Ion:202 Resp: 364596
Ion Ratio Lower Upper
202 100
101 5.7 0.0 25.7
203 16.6 0.0 36.6

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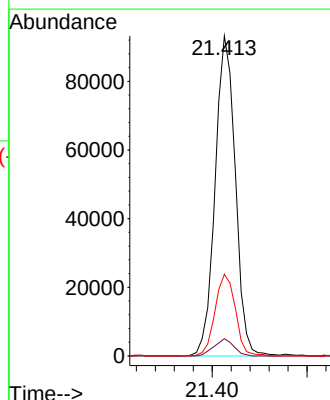
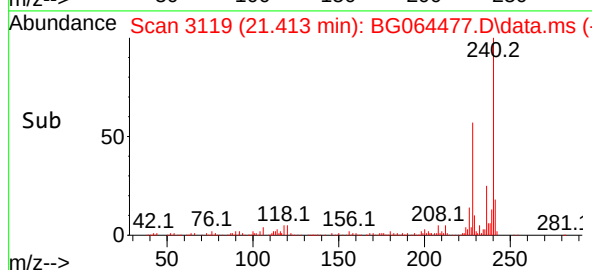
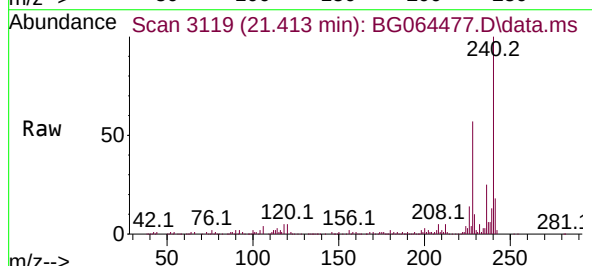
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Upadhyay

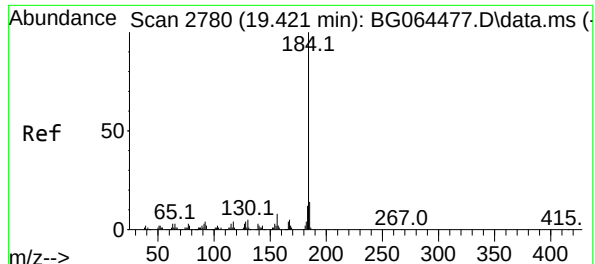
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

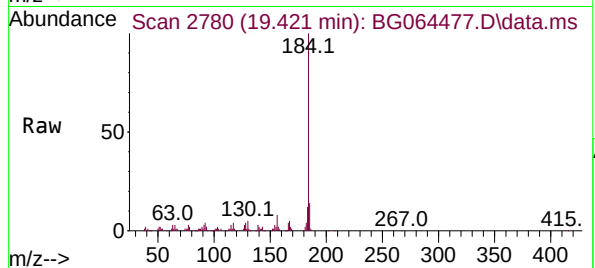
Tgt Ion:240 Resp: 137806
Ion Ratio Lower Upper
240 100
120 5.4 4.3 6.5
236 25.5 20.4 30.6





#77
Benzidine
Concen: 52.157 ng
RT: 19.421 min Scan# 2780
Delta R.T. -0.004 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



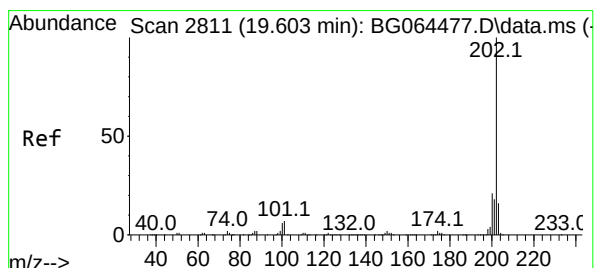
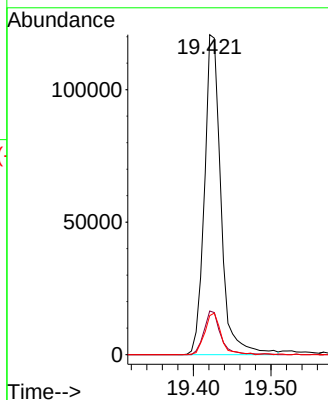
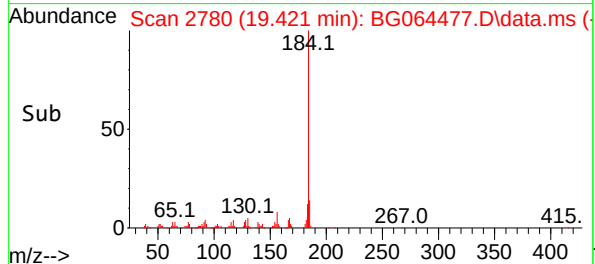
Tgt Ion:184 Resp: 178853
Ion Ratio Lower Upper
184 100
185 13.6 10.9 16.3
183 12.2 9.8 14.6

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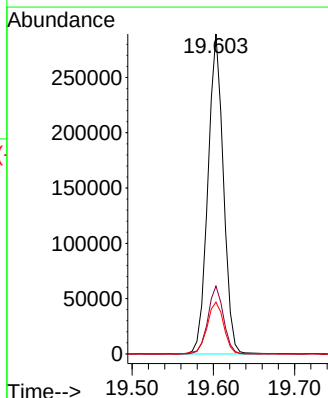
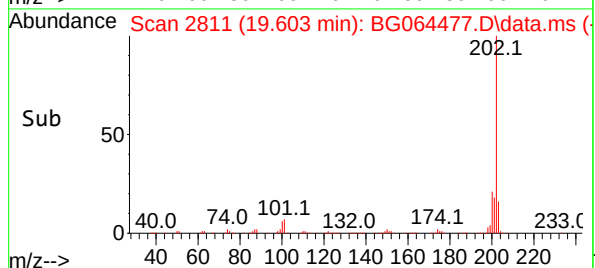
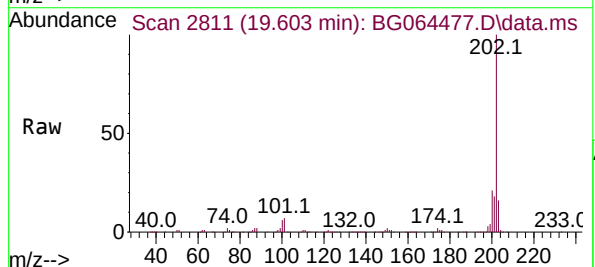
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Supervised By :Jagrut
Upadhyay

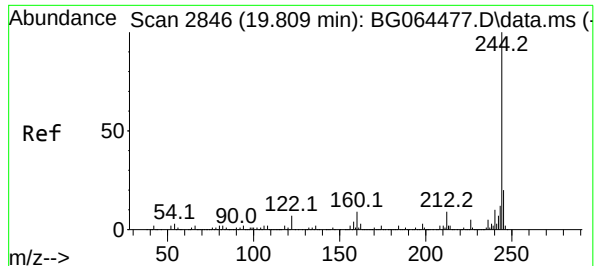
10/03/2025



#78
Pyrene
Concen: 42.890 ng
RT: 19.603 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

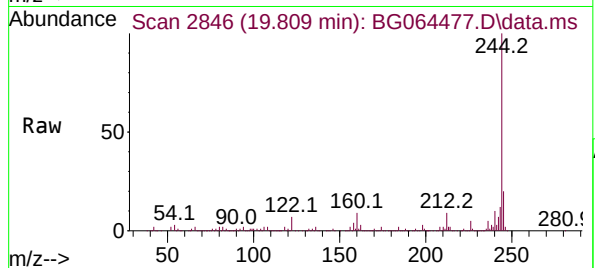
Tgt Ion:202 Resp: 383571
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 16.2 13.0 19.4





#79
Terphenyl-d14
Concen: 85.021 ng
RT: 19.809 min Scan# 2846
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



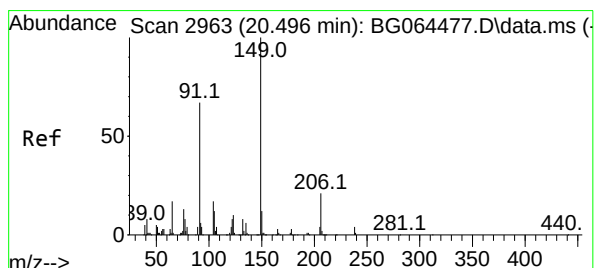
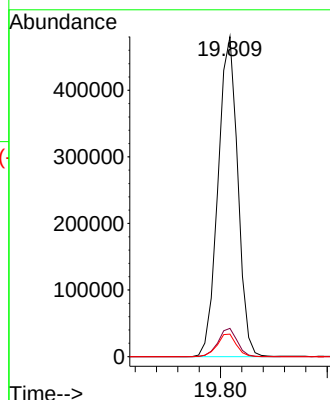
Tgt Ion:244 Resp: 619099
Ion Ratio Lower Upper
244 100
212 8.8 7.0 10.6
122 7.0 5.6 8.4

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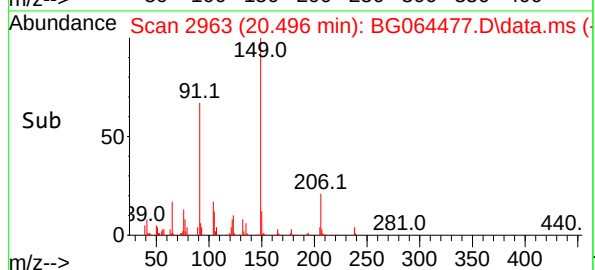
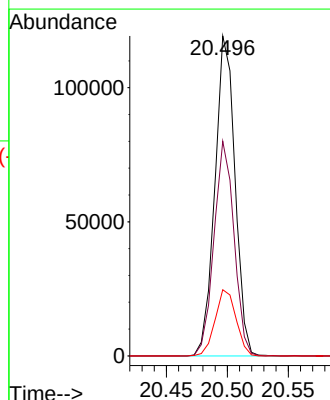
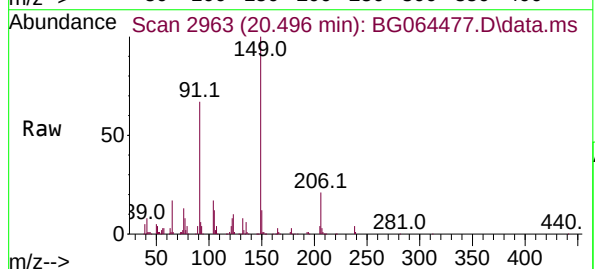
10/03/2025
Supervised By :Jagrut
Upadhyay

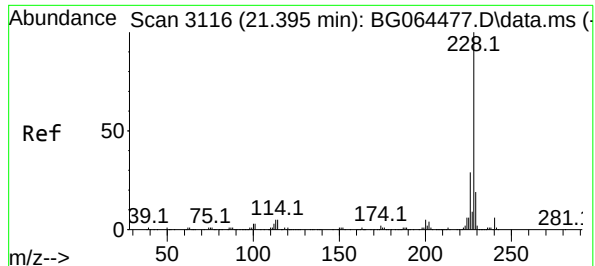
10/03/2025



#80
Butylbenzylphthalate
Concen: 43.202 ng
RT: 20.496 min Scan# 2963
Delta R.T. -0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

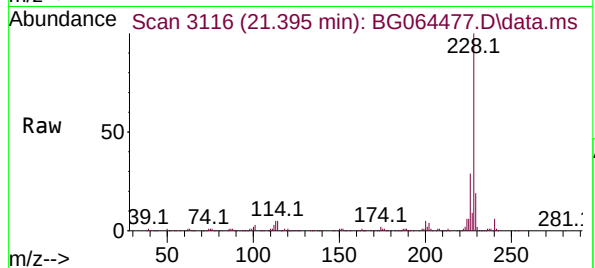
Tgt Ion:149 Resp: 136961
Ion Ratio Lower Upper
149 100
91 67.1 53.7 80.5
206 20.7 16.6 24.8





#81
Benzo(a)anthracene
Concen: 42.392 ng
RT: 21.395 min Scan# 3116
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



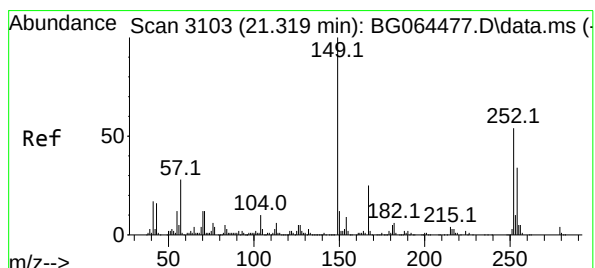
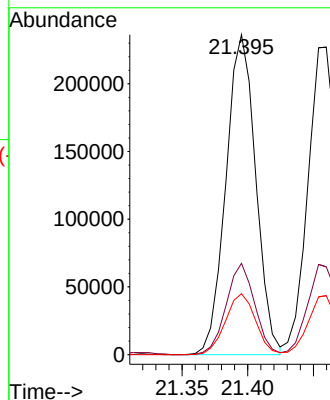
Tgt Ion:228 Resp: 373009
Ion Ratio Lower Upper
228 100
226 28.5 22.8 34.2
229 19.0 15.2 22.8

Manual Integrations
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Reviewed By :Rahul
Chavli

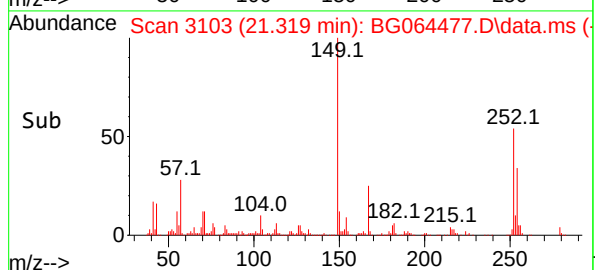
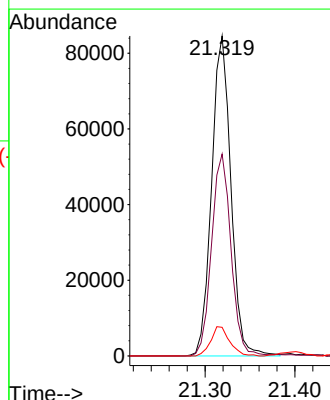
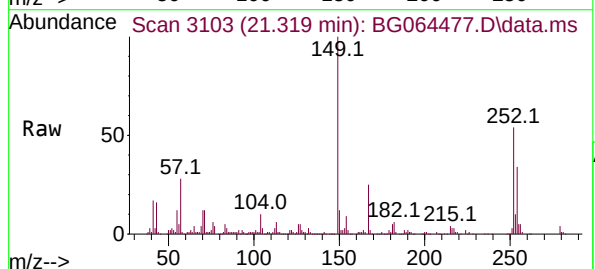
10/03/2025
Supervised By :Jagrut
Upadhyay

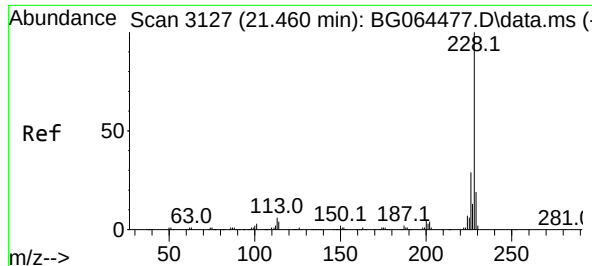
10/03/2025



#82
3,3'-Dichlorobenzidine
Concen: 42.345 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:252 Resp: 126107
Ion Ratio Lower Upper
252 100
254 63.1 50.5 75.7
126 8.9 7.1 10.7





#83

Chrysene

Concen: 42.849 ng

RT: 21.460 min Scan# 3127

Delta R.T. 0.008 min

Lab File: BG064477.D

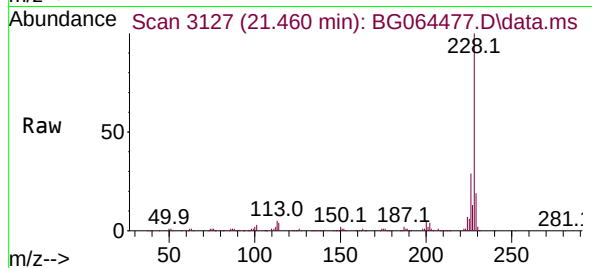
Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040



Tgt Ion:228 Resp: 357552

Ion Ratio Lower Upper

228 100

226 28.5 22.8 34.2

229 19.2 15.4 23.0

Manual Integrations

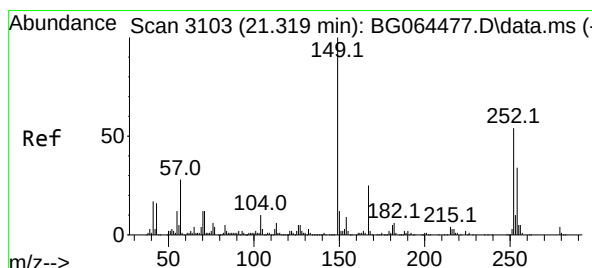
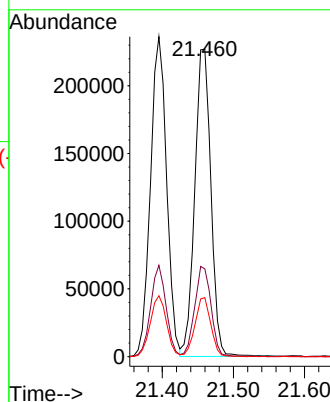
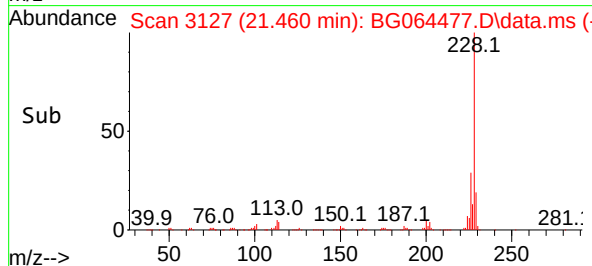
APPROVED

Reviewed By :Rahul
Chavli

10/03/2025

Supervised By :Jagrut
Upadhyay

10/03/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.664 ng

RT: 21.319 min Scan# 3103

Delta R.T. 0.002 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

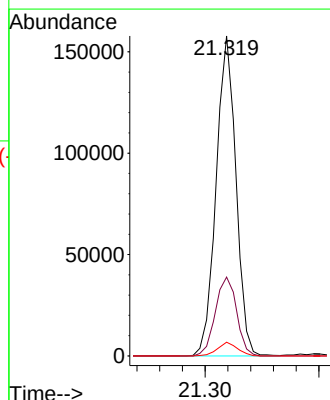
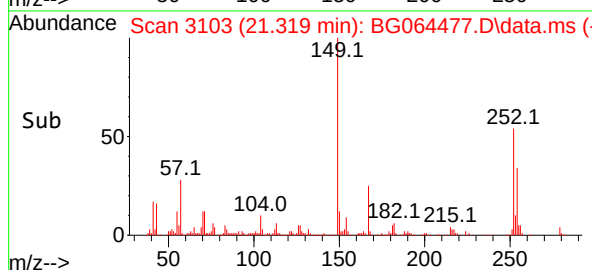
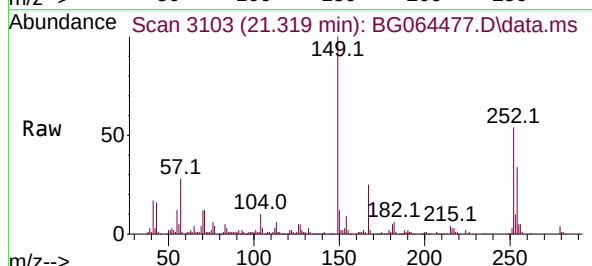
Tgt Ion:149 Resp: 190838

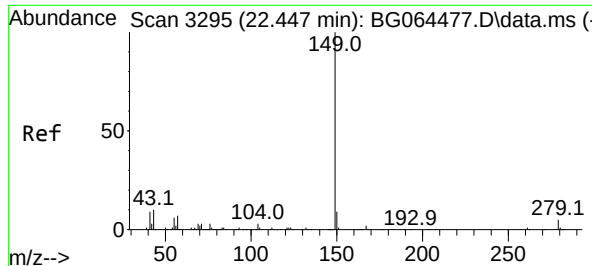
Ion Ratio Lower Upper

149 100

167 24.6 19.7 29.5

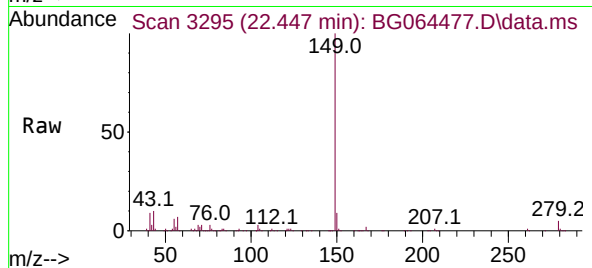
279 4.3 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 42.277 ng
RT: 22.447 min Scan# 31
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



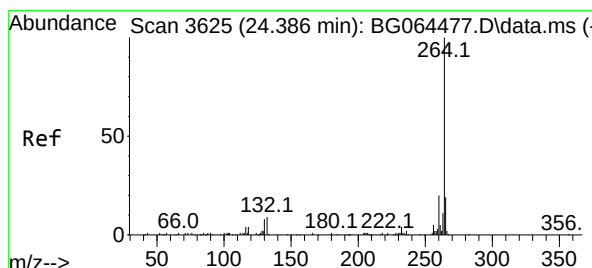
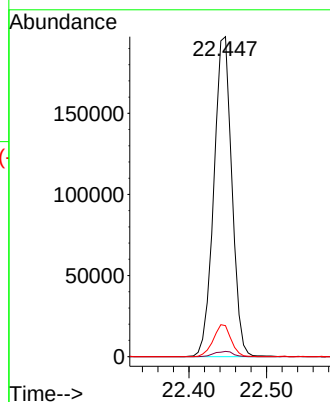
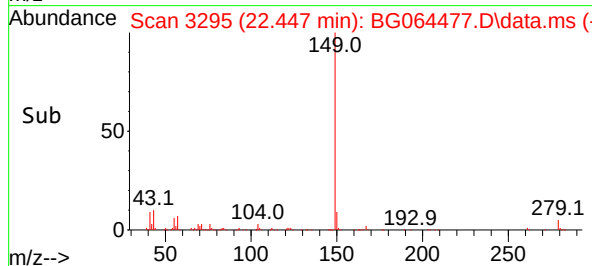
Tgt Ion:149 Resp: 317830
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 9.9 7.9 11.9

Manual Integrations
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Reviewed By :Rahul
Chavli

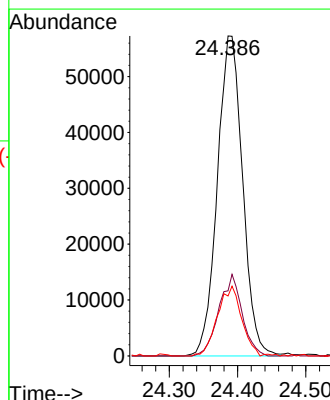
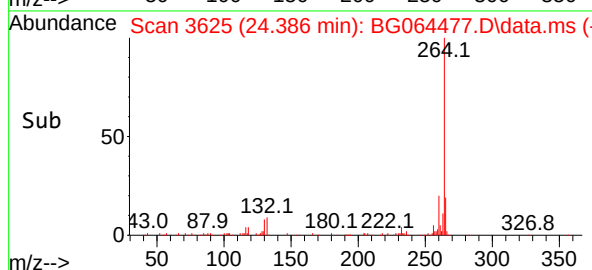
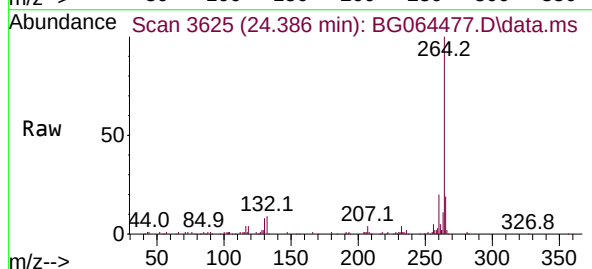
10/03/2025
Supervised By :Jagrut
Upadhyay

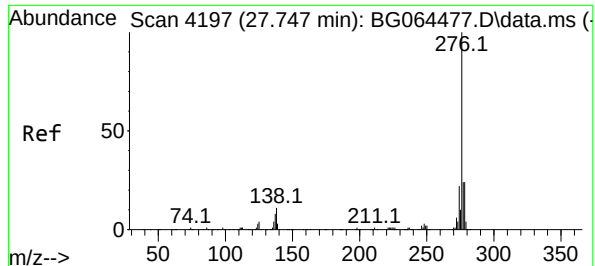
10/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.386 min Scan# 3625
Delta R.T. -0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:264 Resp: 147142
Ion Ratio Lower Upper
264 100
260 20.3 16.2 24.4
265 18.7 15.0 22.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.906 ng

RT: 27.747 min Scan# 4197

Delta R.T. 0.014 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:276 Resp: 439448

Ion Ratio Lower Upper

276 100

138 13.5 10.8 16.2

277 25.4 20.3 30.5

Manual Integrations

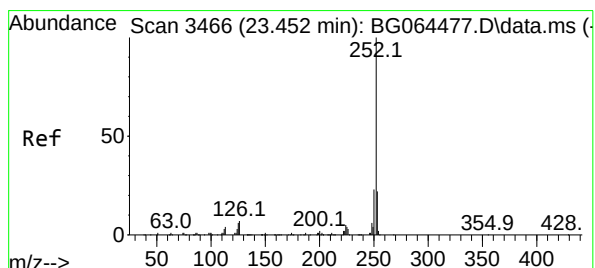
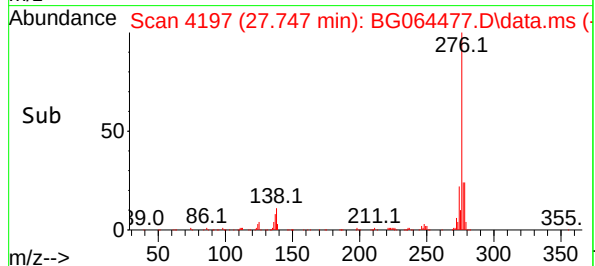
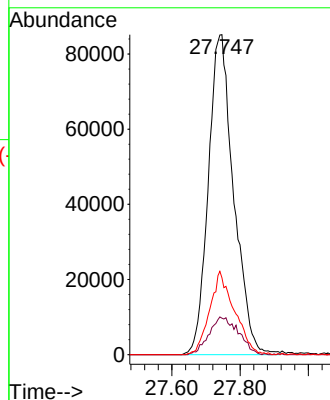
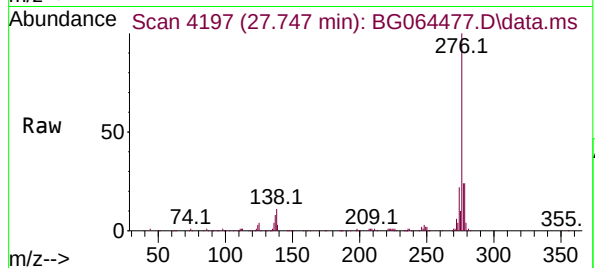
APPROVED

Reviewed By :Rahul
Chavli

10/03/2025

Supervised By :Jagrut
Upadhyay

10/03/2025



#88

Benzo(b)fluoranthene

Concen: 42.621 ng

RT: 23.452 min Scan# 3466

Delta R.T. 0.002 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

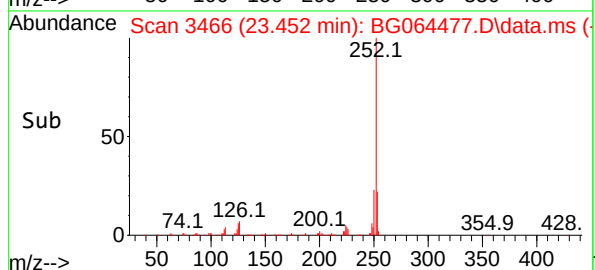
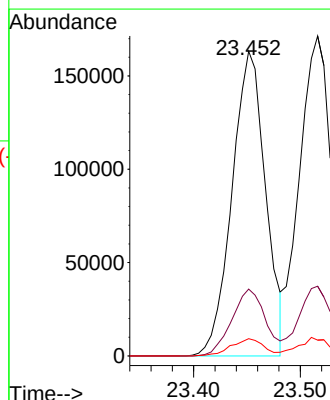
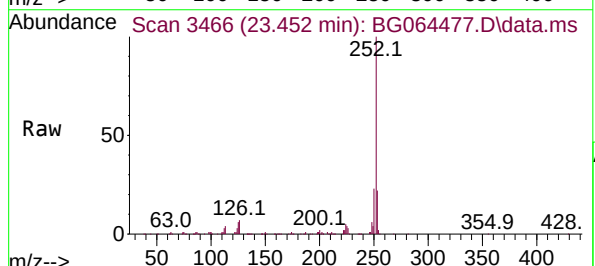
Tgt Ion:252 Resp: 356780

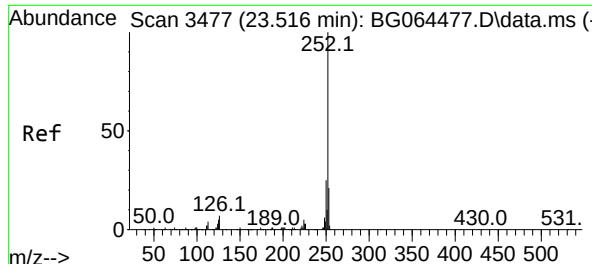
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 5.6 4.5 6.7





#89

Benzo(k)fluoranthene

Concen: 43.050 ng

RT: 23.516 min Scan# 3477

Delta R.T. 0.008 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

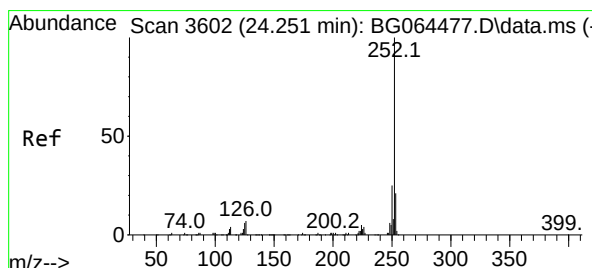
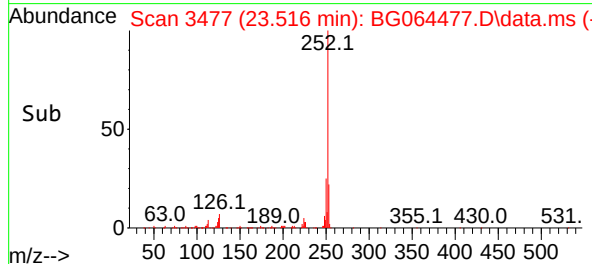
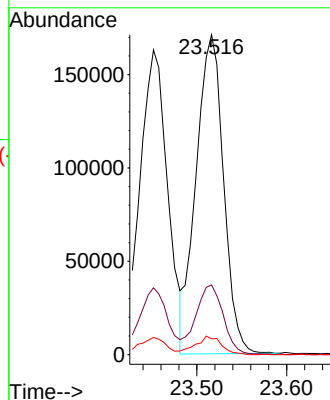
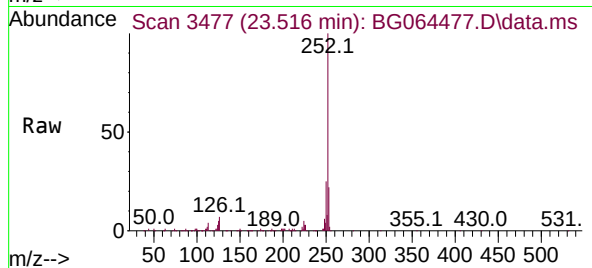
Tgt Ion:252 Resp: 362948
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 5.0 4.0 6.0

Manual Integrations
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Reviewed By :Rahul
Chavli

10/03/2025
Supervised By :Jagrut
Upadhyay

10/03/2025



#90

Benzo(a)pyrene

Concen: 42.800 ng

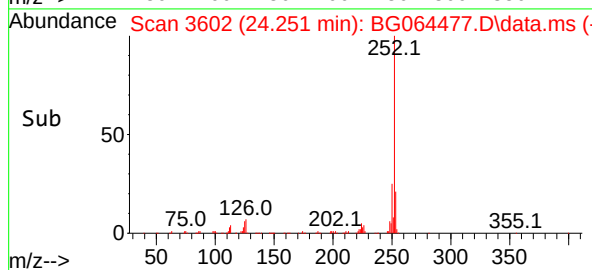
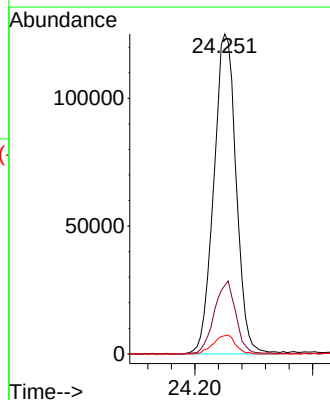
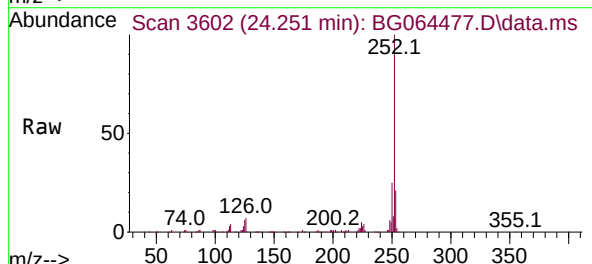
RT: 24.251 min Scan# 3602

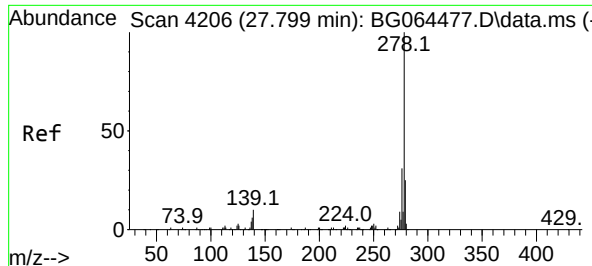
Delta R.T. 0.002 min

Lab File: BG064477.D

Acq: 2 Oct 2025 12:14

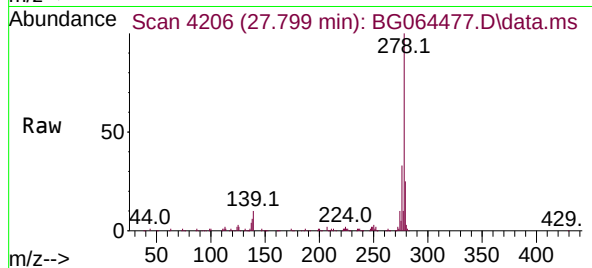
Tgt Ion:252 Resp: 330197
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 5.7 4.6 6.8





#91
Dibenzo(a,h)anthracene
Concen: 42.755 ng
RT: 27.799 min Scan# 4206
Delta R.T. 0.020 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



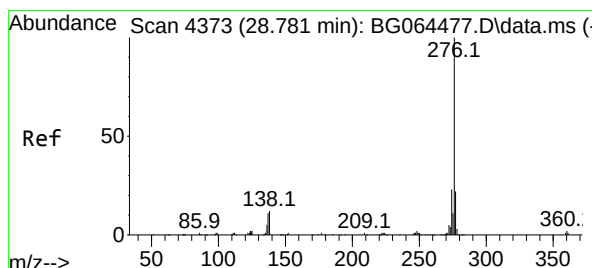
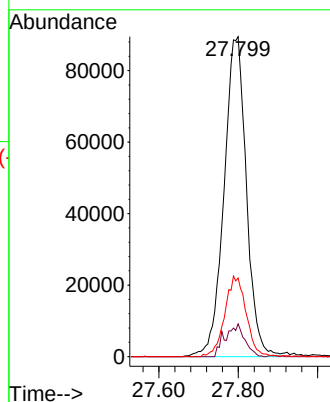
Tgt Ion:278 Resp: 350192
Ion Ratio Lower Upper
278 100
139 10.2 8.2 12.2
279 24.5 19.6 29.4

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Reviewed By :Rahul
Chavli

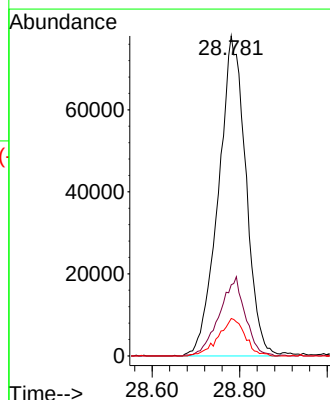
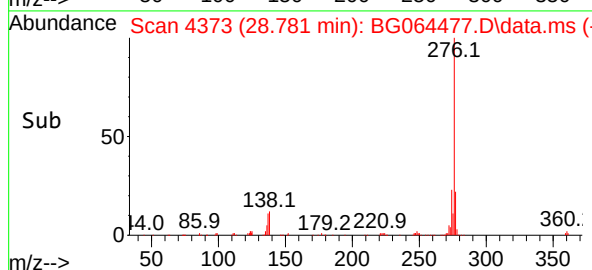
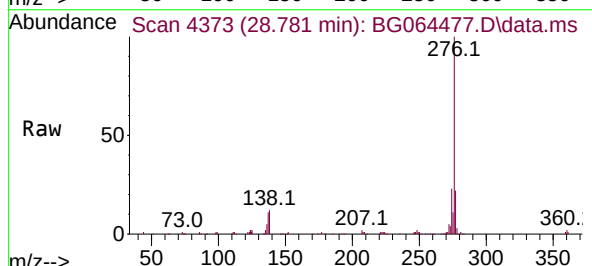
10/03/2025
Supervised By :Jagrut
Upadhyay

10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 42.613 ng
RT: 28.781 min Scan# 4373
Delta R.T. 0.014 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:276 Resp: 339180
Ion Ratio Lower Upper
276 100
277 22.2 17.8 26.6
138 11.7 9.4 14.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064478.D
 Acq On : 2 Oct 2025 12:55
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 16:53:06 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	23869	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	102736	20.000	ng	0.00
39) Acenaphthene-d10	14.452	164	77950	20.000	ng	0.00
64) Phenanthrene-d10	17.190	188	200361	20.000	ng	0.00
76) Chrysene-d12	21.415	240	197724	20.000	ng	0.00
86) Perylene-d12	24.394	264	211036	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	127857	99.134	ng	0.00
7) Phenol-d6	7.002	99	171087	98.712	ng	0.02
23) Nitrobenzene-d5	8.982	82	189687	99.278	ng	0.02
42) 2,4,6-Tribromophenol	15.945	330	141783	100.345	ng	0.01
45) 2-Fluorobiphenyl	13.078	172	516540	97.676	ng	0.01
79) Terphenyl-d14	19.811	244	1018211	97.457	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.324	88	23748	46.551	ng	93
3) Pyridine	3.718	79	65738	47.947	ng	95
4) n-Nitrosodimethylamine	3.636	42	49695	49.999	ng	100
6) Aniline	7.155	93	105749	48.370	ng	96
8) 2-Chlorophenol	7.390	128	75448	47.639	ng	94
9) Benzaldehyde	6.967	77	68724	44.668	ng	97
10) Phenol	7.026	94	90535	49.517	ng	94
11) bis(2-Chloroethyl)ether	7.249	93	59666	48.187	ng	96
12) 1,3-Dichlorobenzene	7.713	146	82662	47.713	ng	95
13) 1,4-Dichlorobenzene	7.860	146	84794	48.767	ng	99
14) 1,2-Dichlorobenzene	8.177	146	82182	47.956	ng	98
15) Benzyl Alcohol	8.060	79	80094	50.179	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.348	45	98476	49.340	ng	95
17) 2-Methylphenol	8.271	107	64206	48.496	ng	96
18) Hexachloroethane	8.900	117	33535	48.862	ng	95
19) n-Nitroso-di-n-propyla...	8.636	70	57232	49.375	ng	# 92
20) 3+4-Methylphenols	8.600	107	89015	48.180	ng	95
22) Acetophenone	8.642	105	125989	50.649	ng	# 98
24) Nitrobenzene	9.023	77	93559	49.104	ng	98
25) Isophorone	9.546	82	169476	48.963	ng	# 97
26) 2-Nitrophenol	9.729	139	47538	50.130	ng	95
27) 2,4-Dimethylphenol	9.793	122	73076	50.454	ng	95
28) bis(2-Chloroethoxy)met...	10.028	93	86333	48.931	ng	99
29) 2,4-Dichlorophenol	10.263	162	82797	49.435	ng	96
30) 1,2,4-Trichlorobenzene	10.481	180	87173	47.734	ng	96
31) Naphthalene	10.663	128	255453	48.286	ng	98
32) Benzoic acid	9.975	122	60774m	54.652	ng	
33) 4-Chloroaniline	10.768	127	99704	49.113	ng	97
34) Hexachlorobutadiene	10.951	225	76081	48.646	ng	97
35) Caprolactam	11.562	113	28417	49.561	ng	92
36) 4-Chloro-3-methylphenol	11.902	107	100226	49.208	ng	98
37) 2-Methylnaphthalene	12.273	142	199899	49.224	ng	96
38) 1-Methylnaphthalene	12.490	142	192614	47.567	ng	98
40) 1,2,4,5-Tetrachloroben...	12.643	216	124648	49.525	ng	98
41) Hexachlorocyclopentadiene	12.625	237	69372	52.692	ng	93
43) 2,4,6-Trichlorophenol	12.884	196	81144	50.434	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064478.D
 Acq On : 2 Oct 2025 12:55
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 16:53:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

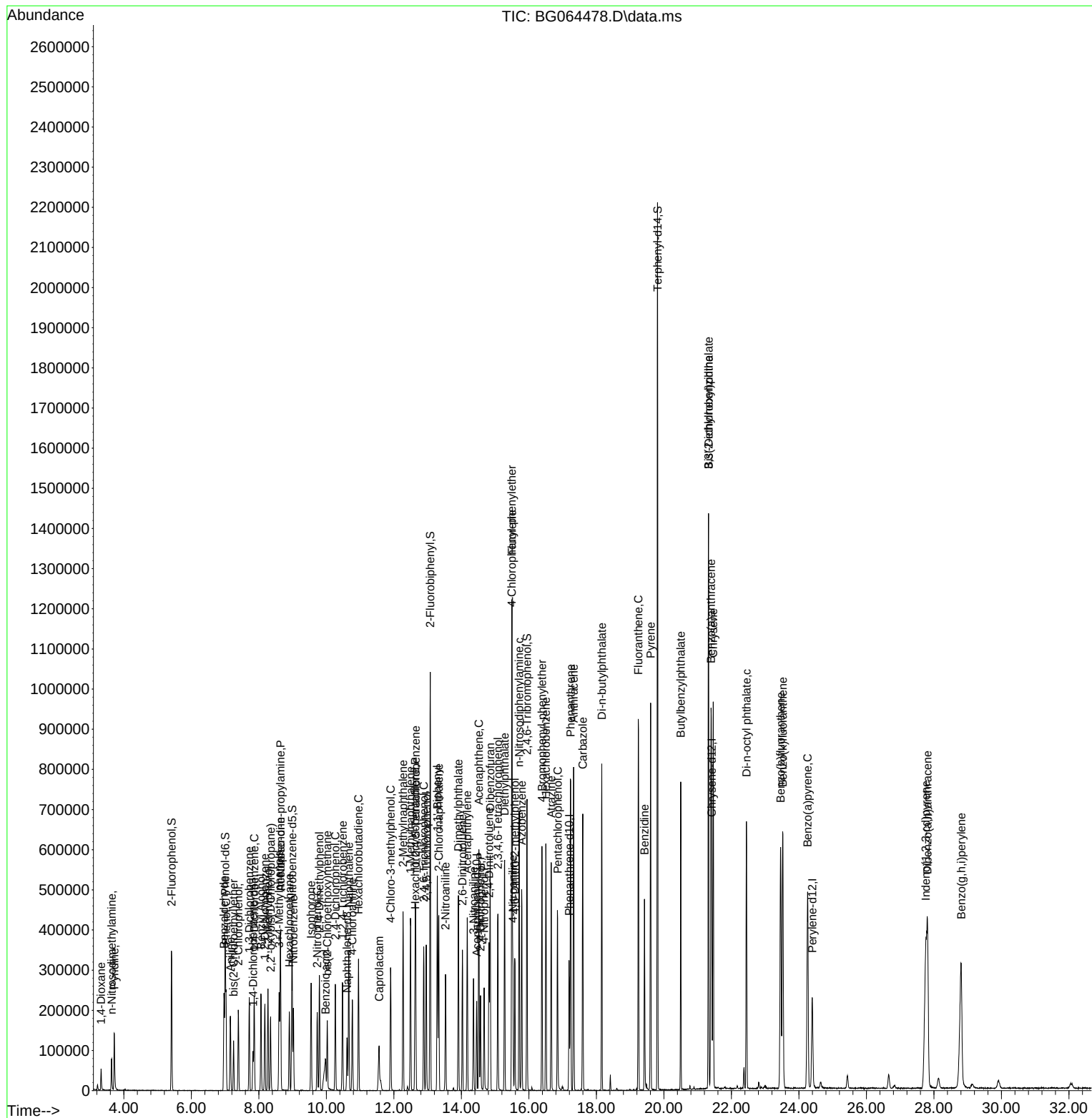
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.960	196	90524	50.396	ng	98
46) 1,1'-Biphenyl	13.289	154	279537	49.860	ng	97
47) 2-Chloronaphthalene	13.330	162	205802	49.166	ng	99
48) 2-Nitroaniline	13.530	65	75138	52.594	ng	94
49) Acenaphthylene	14.170	152	306740	49.365	ng	98
50) Dimethylphthalate	13.912	163	298441	48.884	ng	98
51) 2,6-Dinitrotoluene	14.029	165	64970	51.087	ng	93
52) Acenaphthene	14.517	154	215606	49.943	ng	97
53) 3-Nitroaniline	14.358	138	61347	52.305	ng	92
54) 2,4-Dinitrophenol	14.564	184	44469	48.222	ng	89
55) Dibenzofuran	14.852	168	354924	49.793	ng	99
56) 4-Nitrophenol	14.676	139	49950	54.092	ng	94
57) 2,4-Dinitrotoluene	14.817	165	99930	51.401	ng	95
58) Fluorene	15.498	166	290041	48.945	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.081	232	92595	50.511	ng	98
60) Diethylphthalate	15.281	149	326367	49.833	ng	98
61) 4-Chlorophenyl-phenyle...	15.492	204	159141	49.191	ng	96
62) 4-Nitroaniline	15.528	138	67296	55.050	ng	89
63) Azobenzene	15.786	77	252408	49.764	ng	97
65) 4,6-Dinitro-2-methylph...	15.580	198	69009	49.467	ng	97
66) n-Nitrosodiphenylamine	15.710	169	254244	47.518	ng	97
67) 4-Bromophenyl-phenylether	16.385	248	112356	47.653	ng	92
68) Hexachlorobenzene	16.503	284	130063	48.208	ng	95
69) Atrazine	16.662	200	116098	48.772	ng	99
70) Pentachlorophenol	16.850	266	83126	52.695	ng	96
71) Phenanthrene	17.237	178	501941	47.904	ng	99
72) Anthracene	17.325	178	501276	47.688	ng	98
73) Carbazole	17.596	167	439490	48.370	ng	99
74) Di-n-butylphthalate	18.160	149	538886	48.585	ng	100
75) Fluoranthene	19.241	202	597309	47.718	ng	99
77) Benzidine	19.423	184	266730	54.213	ng	100
78) Pyrene	19.605	202	613709	47.828	ng	98
80) Butylbenzylphthalate	20.498	149	221172	48.623	ng	95
81) Benzo(a)anthracene	21.397	228	611850	48.464	ng	98
82) 3,3'-Dichlorobenzidine	21.321	252	208942	48.899	ng	99
83) Chrysene	21.462	228	579585	48.408	ng	98
84) Bis(2-ethylhexyl)phtha...	21.321	149	317005	49.393	ng	98
85) Di-n-octyl phthalate	22.443	149	530469	49.179	ng	99
87) Indeno(1,2,3-cd)pyrene	27.754	276	731852	49.822	ng	# 96
88) Benzo(b)fluoranthene	23.459	252	602249	50.163	ng	98
89) Benzo(k)fluoranthene	23.518	252	592576	49.006	ng	99
90) Benzo(a)pyrene	24.259	252	543872	49.152	ng	99
91) Dibenzo(a,h)anthracene	27.807	278	588448	50.092	ng	95
92) Benzo(g,h,i)perylene	28.806	276	564079	49.412	ng	96

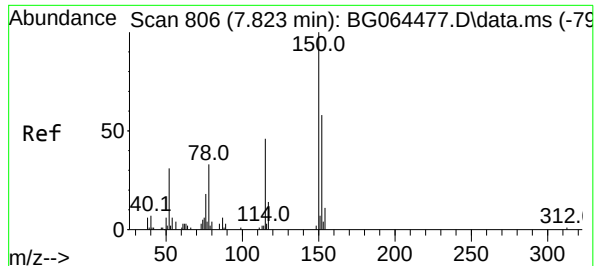
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

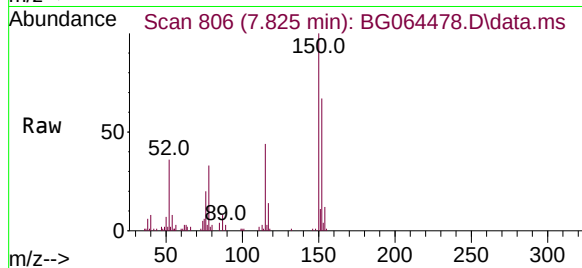
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.825 min Scan# 806
 Delta R.T. 0.005 min
 Lab File: BG064478.D
 Acq: 2 Oct 2025 12:55

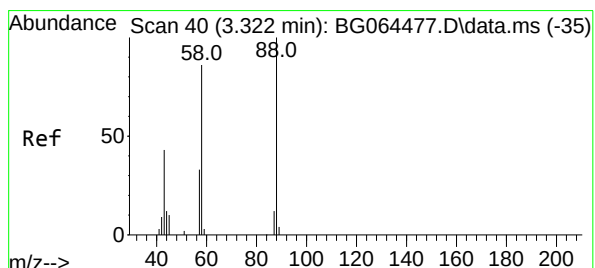
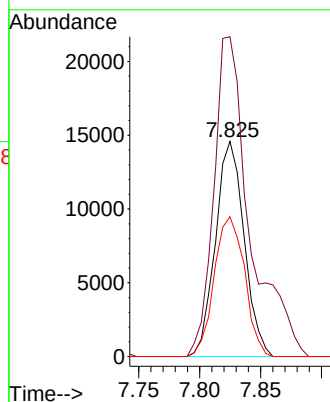
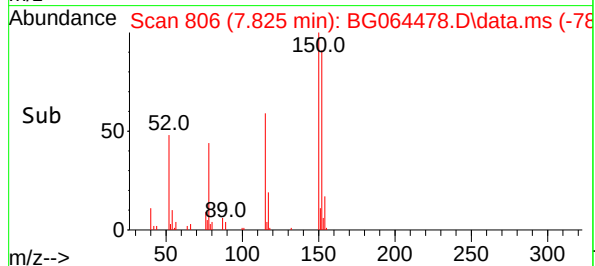
Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC050



Tgt Ion:152 Resp: 23869
 Ion Ratio Lower Upper
 152 100
 150 148.6 138.6 207.8
 115 65.0 63.4 95.2

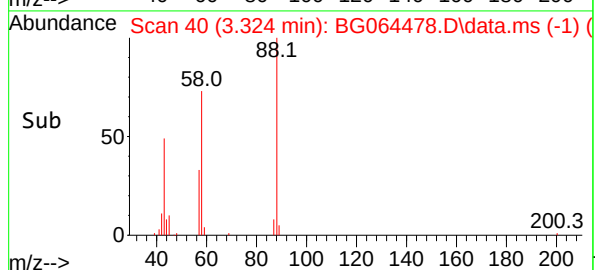
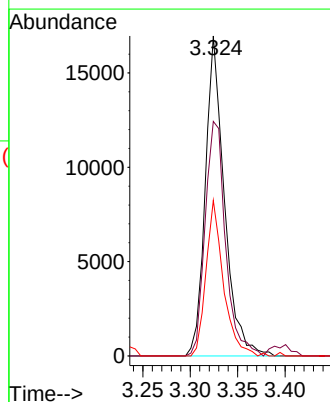
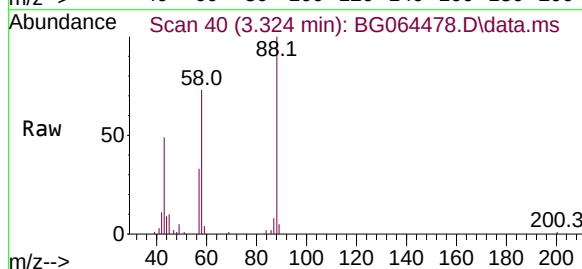
Manual Integrations
 APPROVED

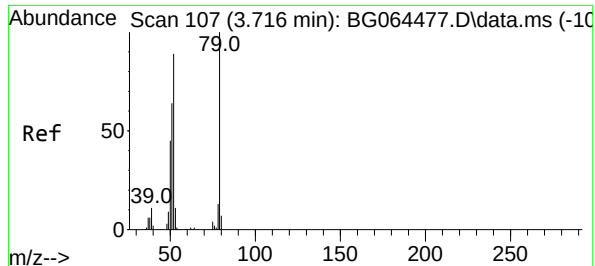
Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025



#2
 1,4-Dioxane
 Concen: 46.551 ng
 RT: 3.324 min Scan# 40
 Delta R.T. 0.004 min
 Lab File: BG064478.D
 Acq: 2 Oct 2025 12:55

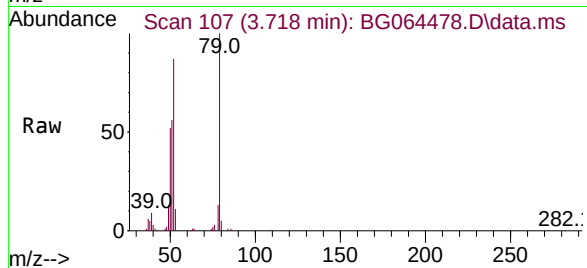
Tgt Ion: 88 Resp: 23748
 Ion Ratio Lower Upper
 88 100
 58 78.5 69.8 104.6
 43 44.5 37.4 56.0





#3
Pyridine
Concen: 47.947 ng
RT: 3.718 min Scan# 107
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

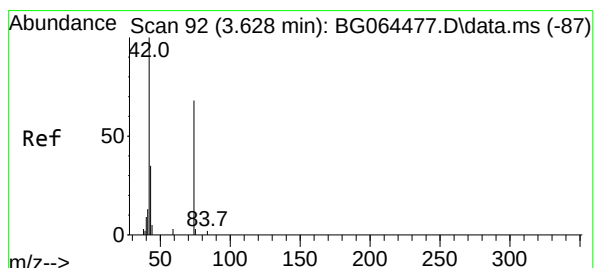
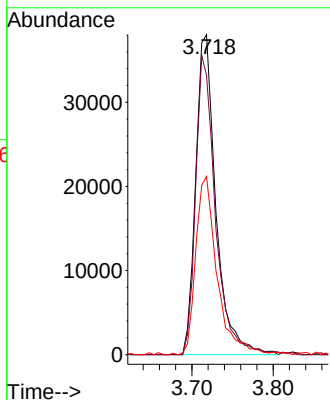
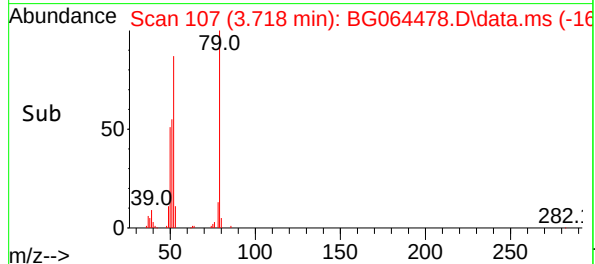
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 79 Resp: 65738
Ion Ratio Lower Upper
79 100
52 87.2 71.0 106.4
51 55.7 51.0 76.6

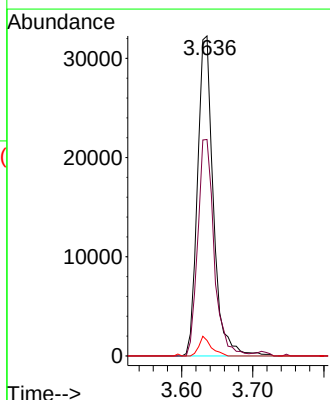
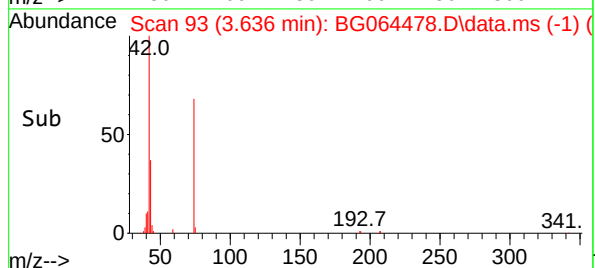
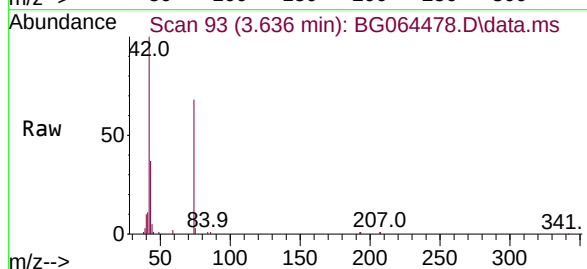
Manual Integrations
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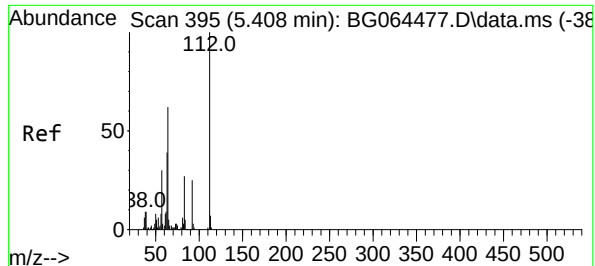
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#4
n-Nitrosodimethylamine
Concen: 49.999 ng
RT: 3.636 min Scan# 93
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 42 Resp: 49695
Ion Ratio Lower Upper
42 100
74 67.6 54.2 81.4
44 4.8 4.2 6.2





#5

2-Fluorophenol

Concen: 99.134 ng

RT: 5.410 min Scan# 395

Delta R.T. 0.004 min

Lab File: BG064478.D

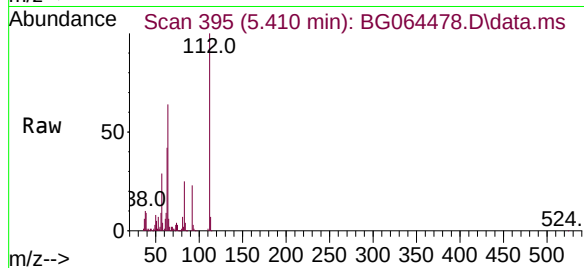
Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050



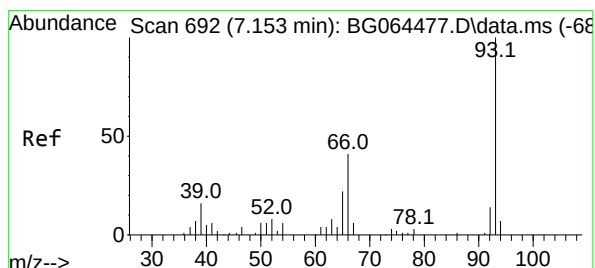
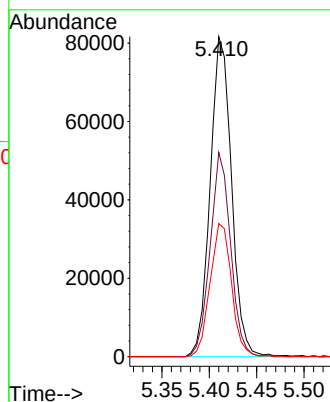
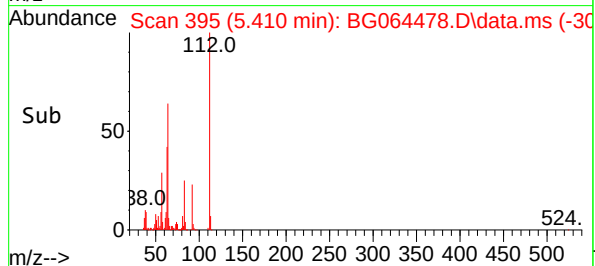
Tgt Ion:	112	Resp:	12785
Ion Ratio	Lower	Upper	
112	100		
64	63.8	49.8	74.8
63	41.6	31.3	46.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#6

Aniline

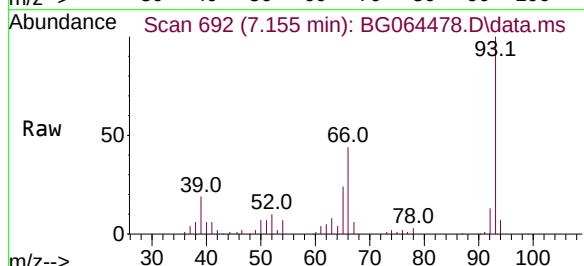
Concen: 48.370 ng

RT: 7.155 min Scan# 692

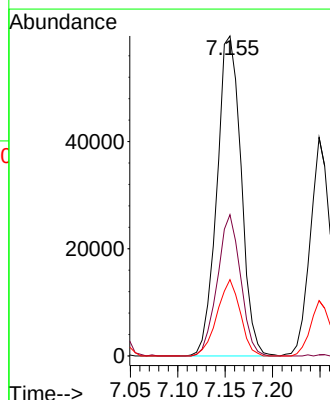
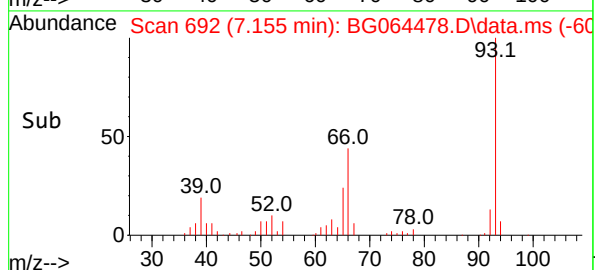
Delta R.T. 0.010 min

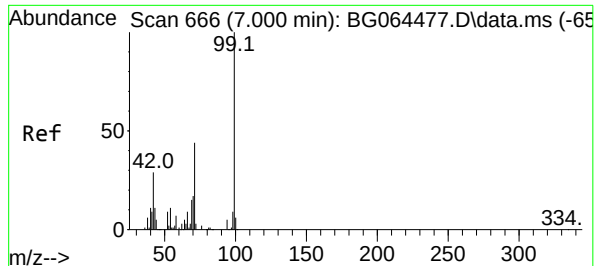
Lab File: BG064478.D

Acq: 2 Oct 2025 12:55



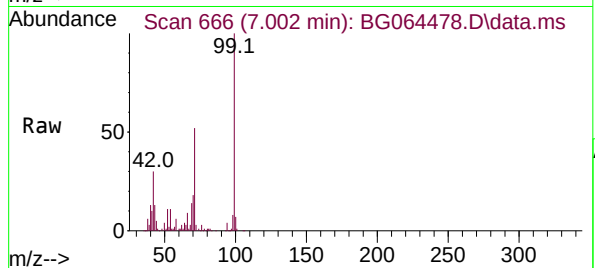
Tgt Ion:	93	Resp:	105749
Ion Ratio	Lower	Upper	
93	100		
66	44.1	33.0	49.4
65	23.8	17.5	26.3





#7
Phenol-d6
Concen: 98.712 ng
RT: 7.002 min Scan# 60
Delta R.T. 0.016 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

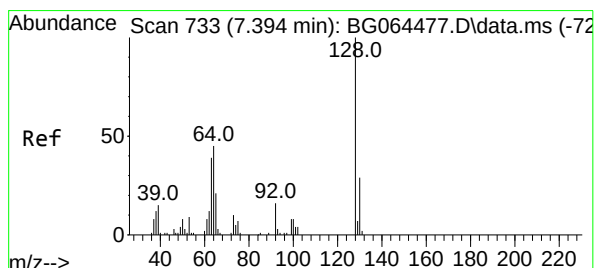
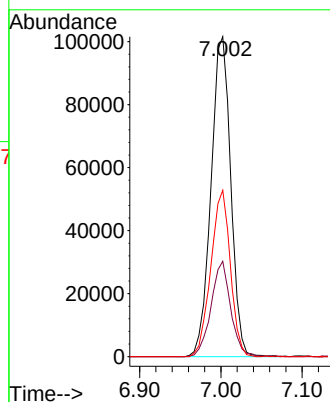
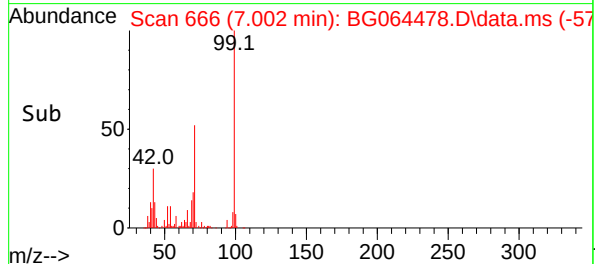
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 99 Resp: 17108
Ion Ratio Lower Upper
99 100
42 29.8 22.9 34.3
71 52.0 35.4 53.2

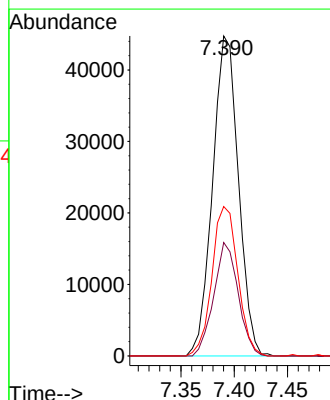
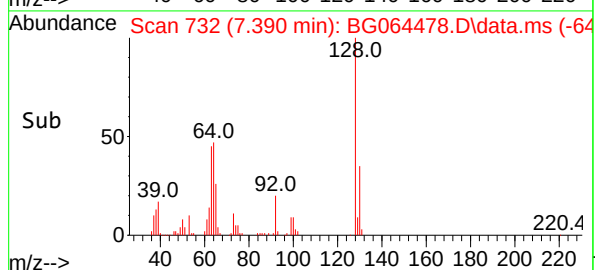
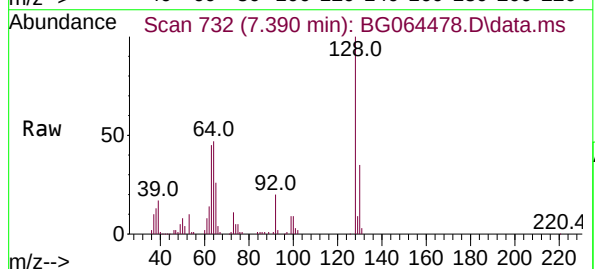
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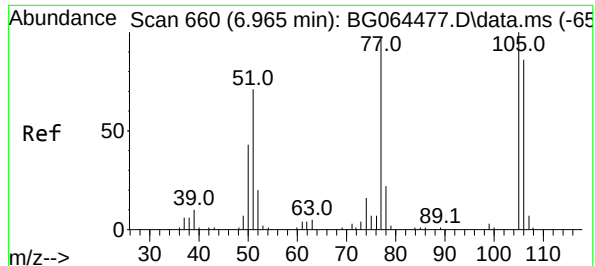
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#8
2-Chlorophenol
Concen: 47.639 ng
RT: 7.390 min Scan# 732
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

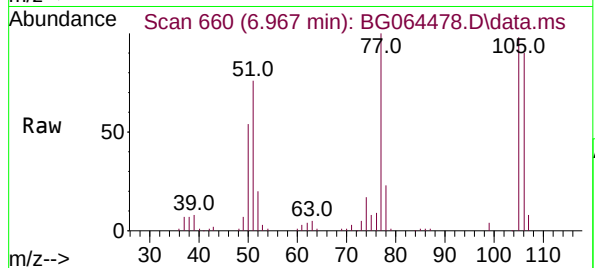
Tgt Ion:128 Resp: 75448
Ion Ratio Lower Upper
128 100
130 35.4 9.2 49.2
64 46.7 25.5 65.5





#9
Benzaldehyde
Concen: 44.668 ng
RT: 6.967 min Scan# 60
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

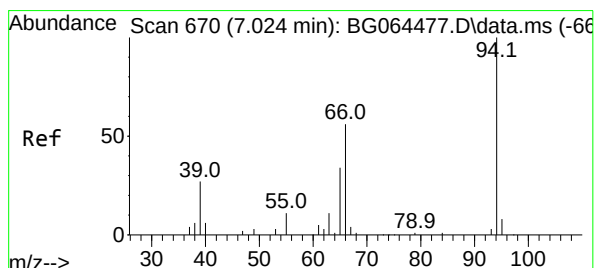
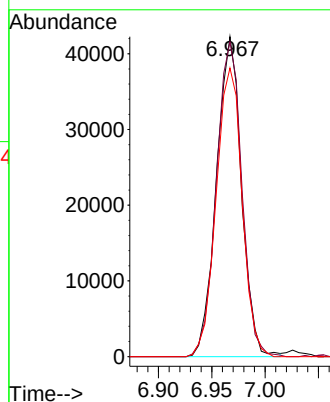
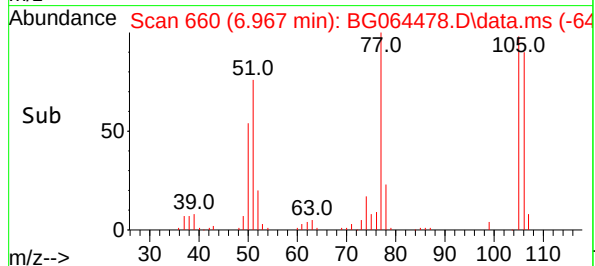
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 68724
Ion Ratio Lower Upper
77 100
105 98.3 83.7 123.7
106 90.2 69.4 109.4

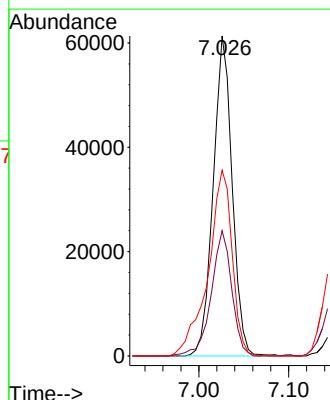
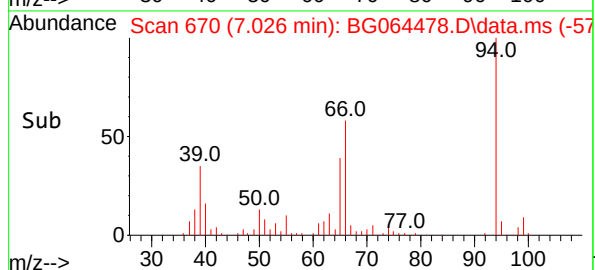
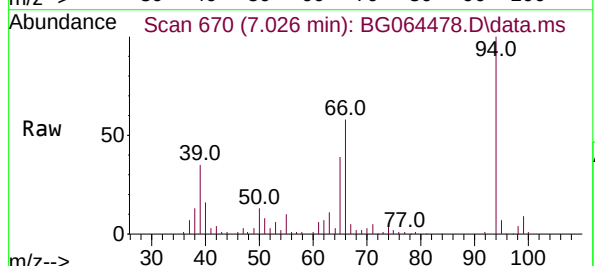
Manual Integrations
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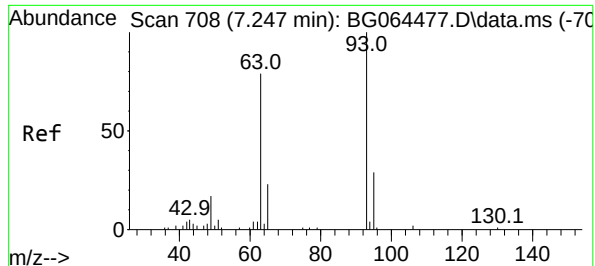
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#10
Phenol
Concen: 49.517 ng
RT: 7.026 min Scan# 670
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 94 Resp: 90535
Ion Ratio Lower Upper
94 100
65 39.1 14.8 54.8
66 58.0 41.4 81.4





#11

bis(2-Chloroethyl)ether

Concen: 48.187 ng

RT: 7.249 min Scan# 708

Delta R.T. 0.004 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion: 93 Resp: 5966

Ion Ratio Lower Upper

93 100

63 77.8 59.5 99.5

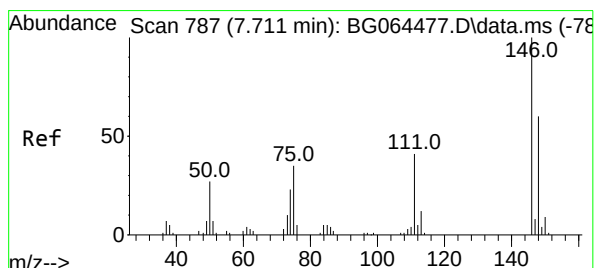
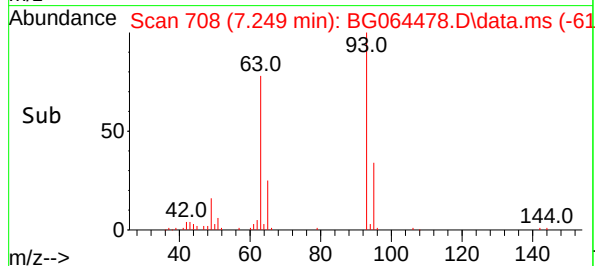
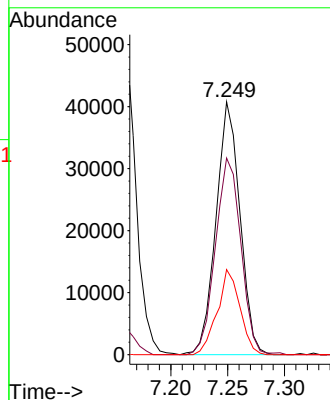
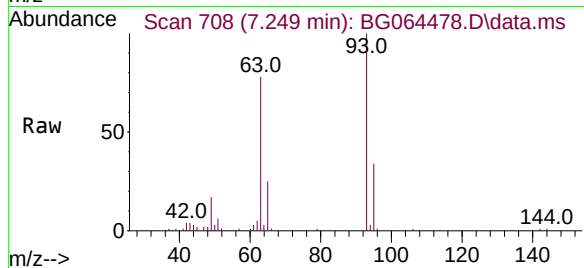
95 33.7 8.8 48.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#12

1,3-Dichlorobenzene

Concen: 47.713 ng

RT: 7.713 min Scan# 787

Delta R.T. 0.004 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

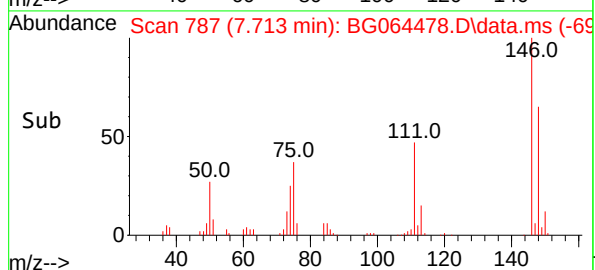
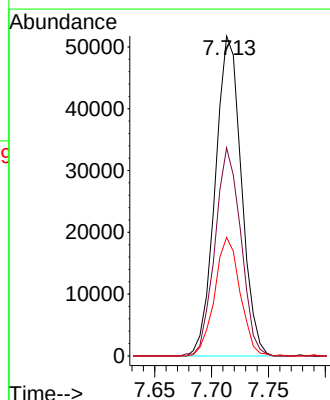
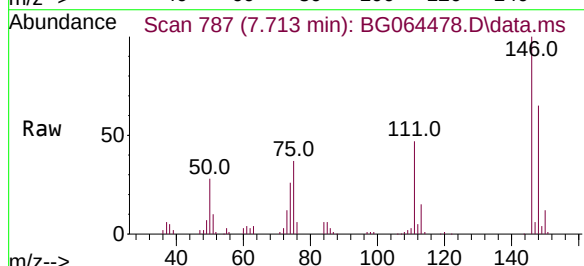
Tgt Ion:146 Resp: 82662

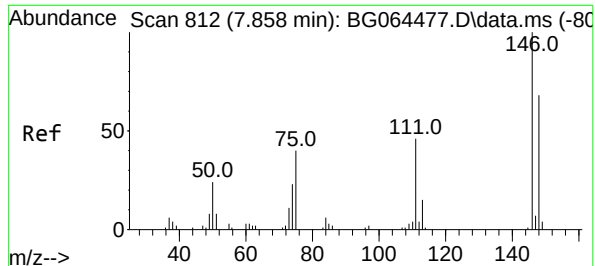
Ion Ratio Lower Upper

146 100

148 65.1 48.4 72.6

75 37.0 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 48.767 ng

RT: 7.860 min Scan# 812

Delta R.T. 0.004 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

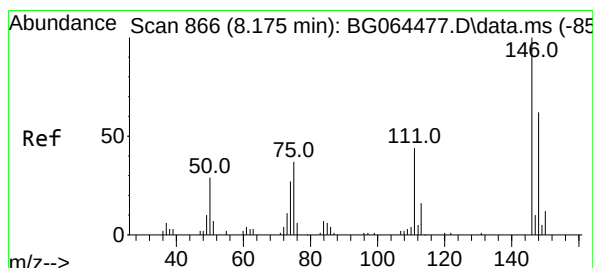
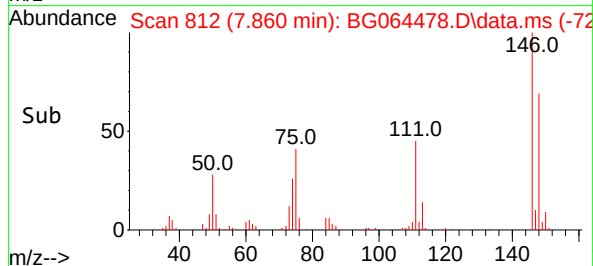
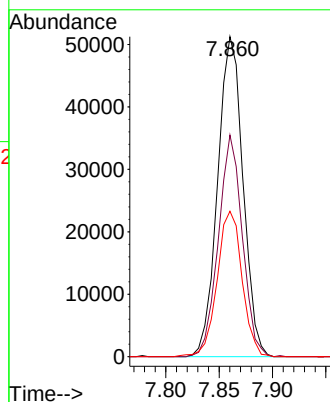
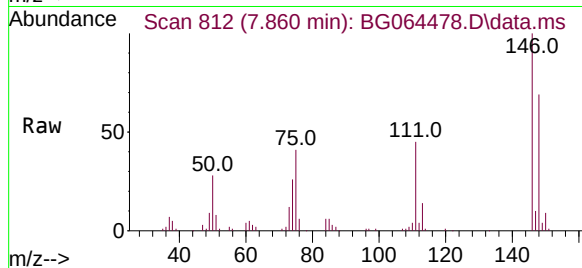
Tgt Ion:	146	Resp:	84794
Ion Ratio	Lower	Upper	
146	100		
148	69.3	54.4	81.6
111	45.4	36.5	54.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#14

1,2-Dichlorobenzene

Concen: 47.956 ng

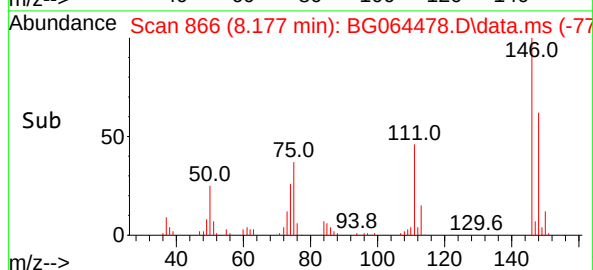
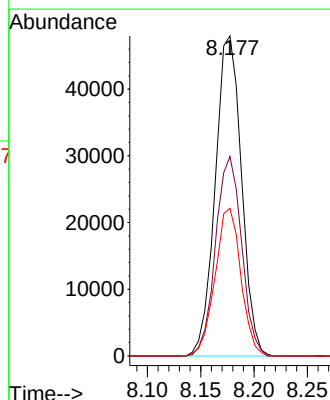
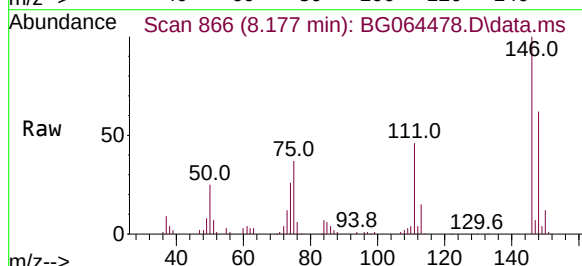
RT: 8.177 min Scan# 866

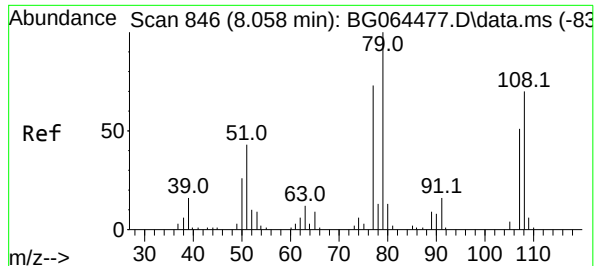
Delta R.T. 0.004 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

Tgt Ion:	146	Resp:	82182
Ion Ratio	Lower	Upper	
146	100		
148	62.3	50.0	75.0
111	46.1	35.0	52.4





#15

Benzyl Alcohol

Concen: 50.179 ng

RT: 8.060 min Scan# 846

Delta R.T. 0.004 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

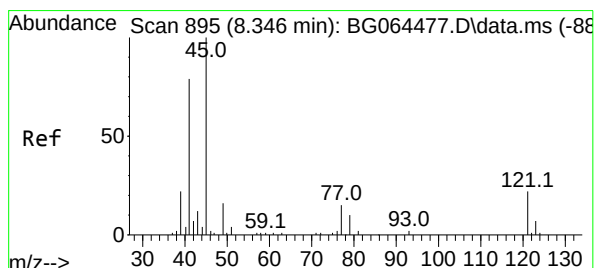
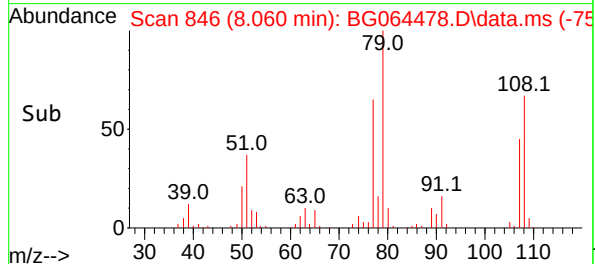
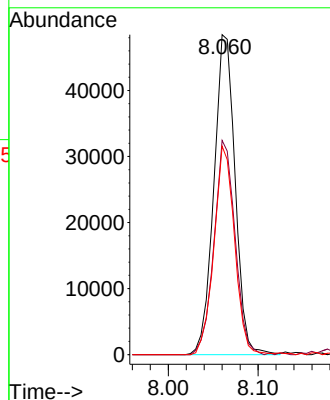
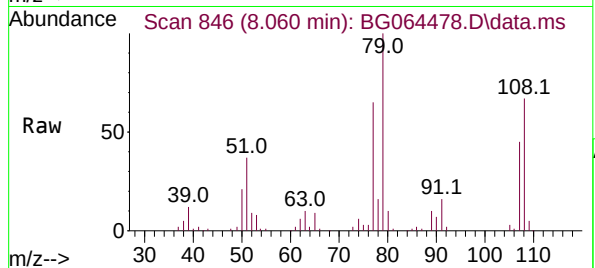
Tgt Ion:	79	Resp:	80094
Ion	Ratio	Lower	Upper
79	100		
108	66.9	56.4	84.6
77	65.1	58.3	87.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 49.340 ng

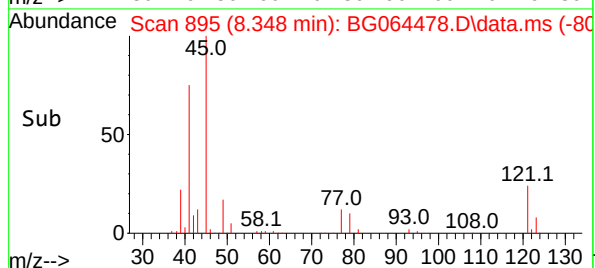
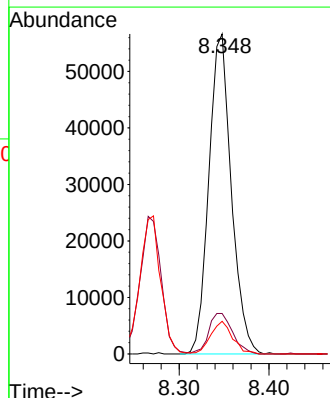
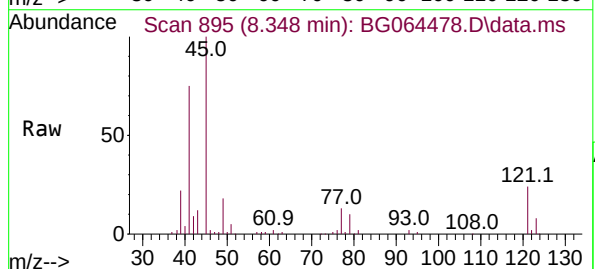
RT: 8.348 min Scan# 895

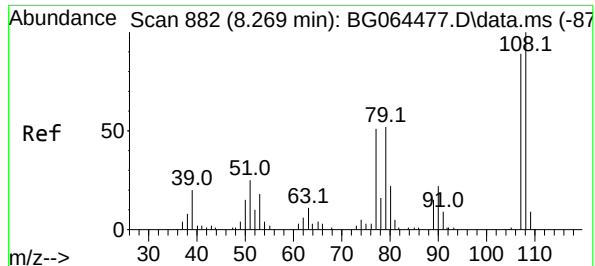
Delta R.T. 0.010 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

Tgt Ion:	45	Resp:	98476
Ion	Ratio	Lower	Upper
45	100		
77	12.6	0.0	35.6
79	10.2	0.0	30.7





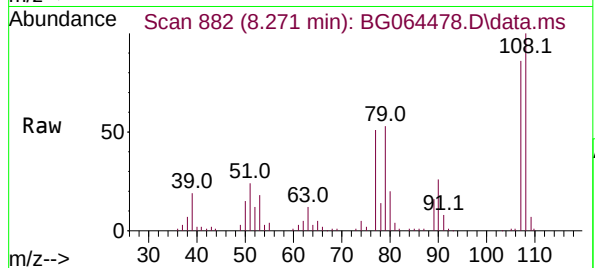
#17
2-Methylphenol
Concen: 48.496 ng
RT: 8.271 min Scan# 882
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

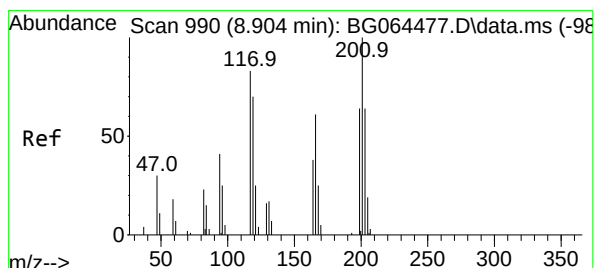
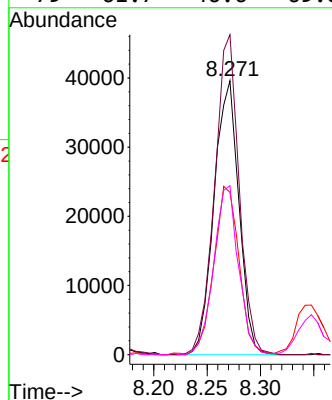
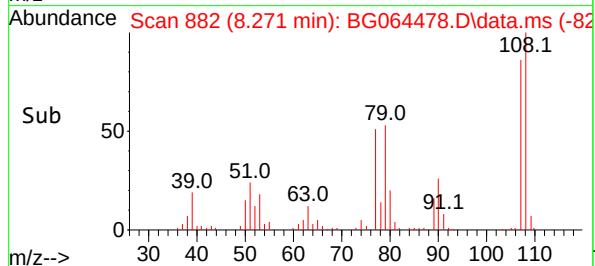


Tgt Ion:107 Resp: 64206
Ion Ratio Lower Upper
107 100
108 116.9 90.3 135.5
77 59.2 46.0 69.0
79 61.7 46.6 69.8

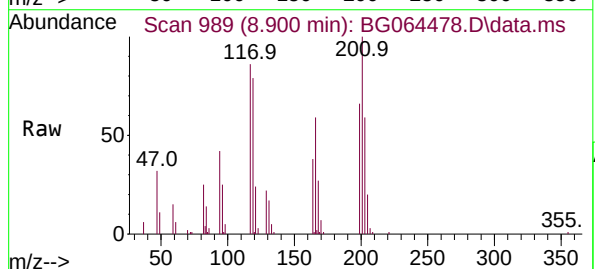
Manual Integrations

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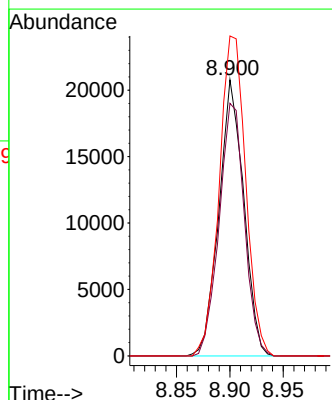
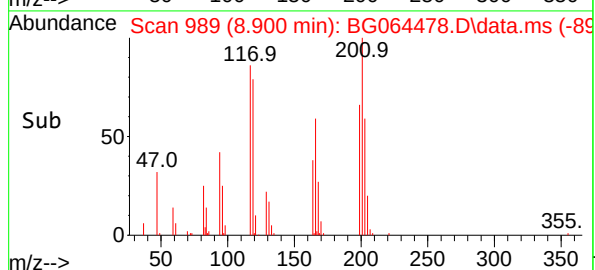
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

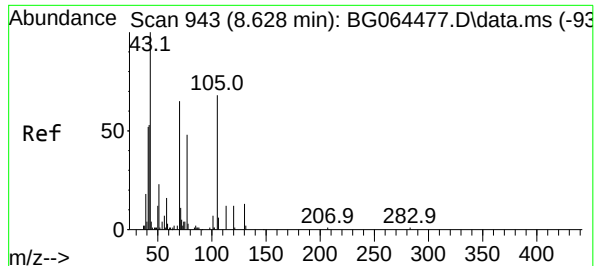


#18
Hexachloroethane
Concen: 48.862 ng
RT: 8.900 min Scan# 989
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



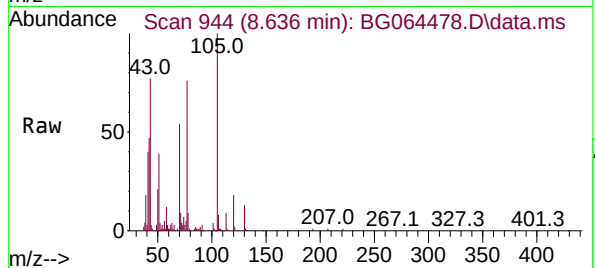
Tgt Ion:117 Resp: 33535
Ion Ratio Lower Upper
117 100
119 91.5 67.4 101.0
201 115.9 95.9 143.9





#19
n-Nitroso-di-n-propylamine
Concen: 49.375 ng
RT: 8.636 min Scan# 943
Delta R.T. 0.022 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

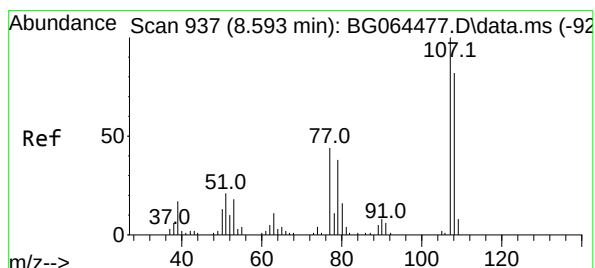
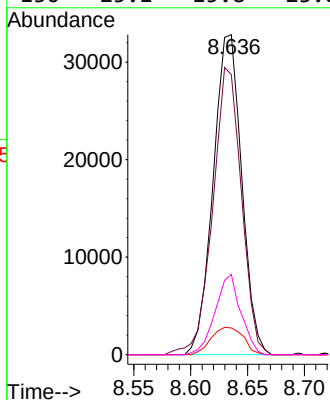
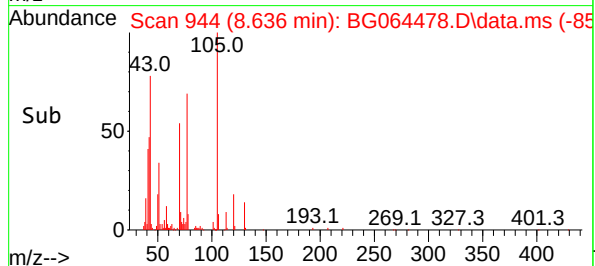
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 70 Resp: 57232
Ion Ratio Lower Upper
70 100
42 87.5 64.9 97.3
101 8.3 8.7 13.1
130 25.1 15.8 23.8#

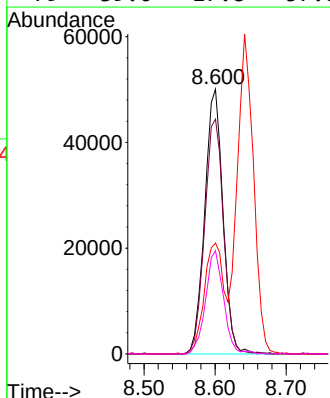
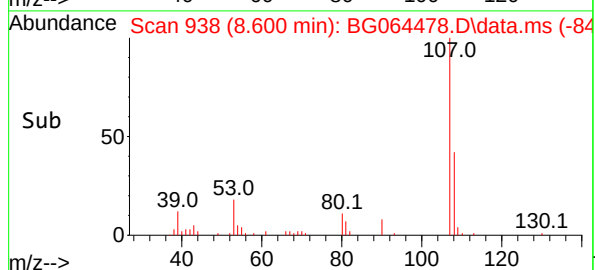
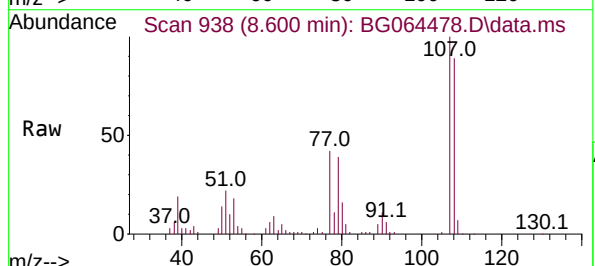
Manual Integrations
APPROVED

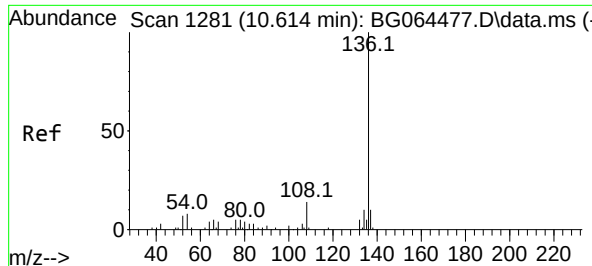
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#20
3+4-Methylphenols
Concen: 48.180 ng
RT: 8.600 min Scan# 938
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

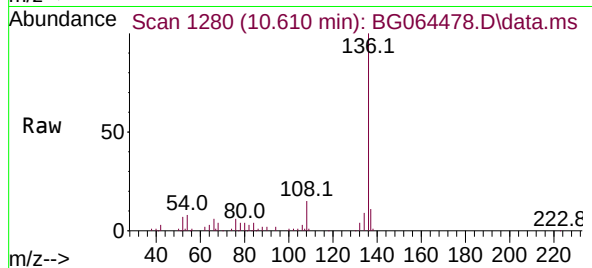
Tgt Ion:107 Resp: 89015
Ion Ratio Lower Upper
107 100
108 88.7 62.1 102.1
77 41.8 23.5 63.5
79 39.0 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1281
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

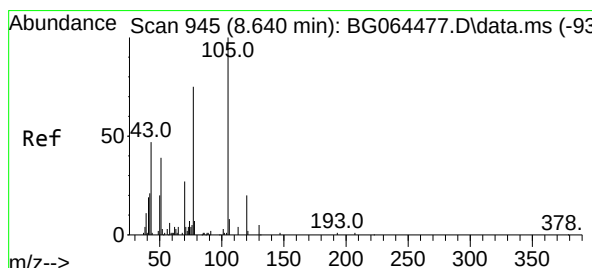
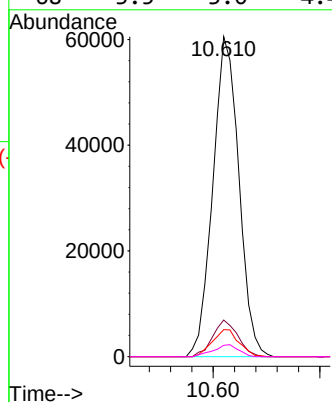
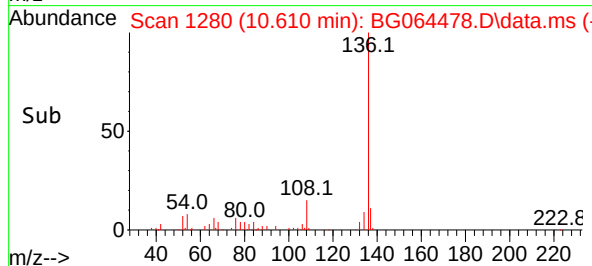
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:136 Resp: 102736
Ion Ratio Lower Upper
136 100
137 11.4 8.3 12.5
54 8.4 6.2 9.4
68 3.5 3.0 4.4

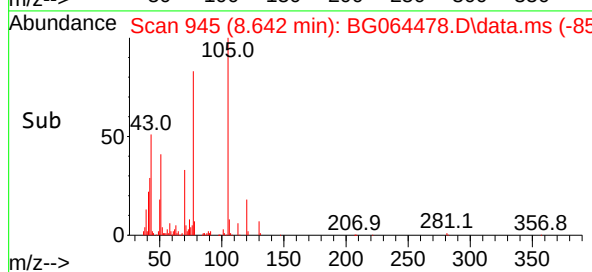
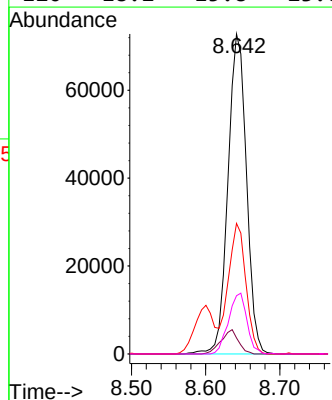
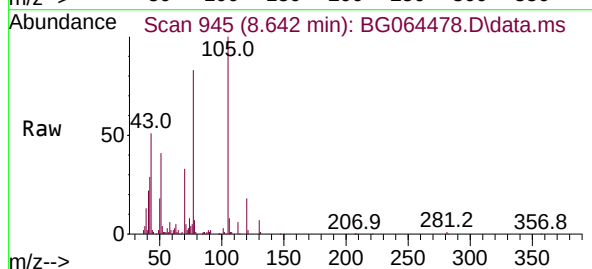
Manual Integrations
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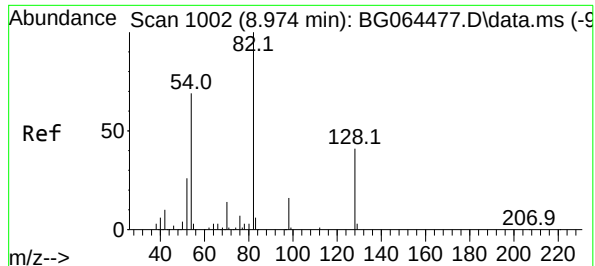
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#22
Acetophenone
Concen: 50.649 ng
RT: 8.642 min Scan# 945
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:105 Resp: 125989
Ion Ratio Lower Upper
105 100
71 5.0 2.8 4.2#
51 40.8 33.0 49.4
120 18.2 15.8 23.6





#23

Nitrobenzene-d5

Concen: 99.278 ng

RT: 8.982 min Scan# 1003

Delta R.T. 0.016 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 18968

Ion Ratio Lower Upper

82 100

128 39.9 33.1 49.7

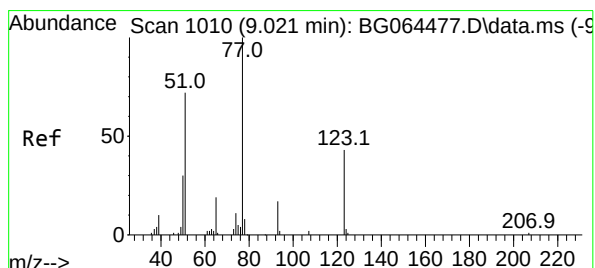
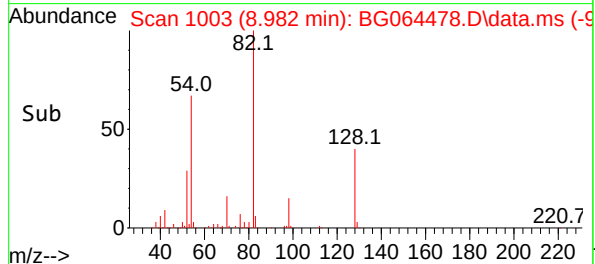
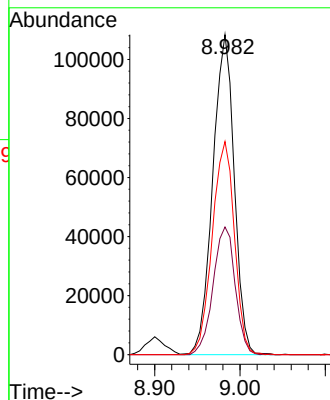
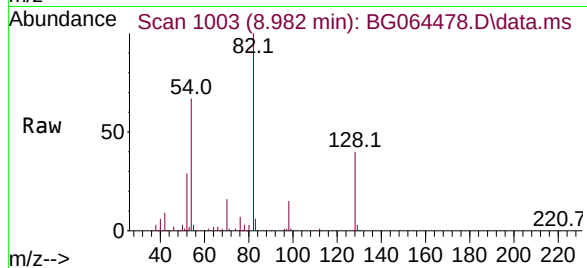
54 66.6 55.4 83.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#24

Nitrobenzene

Concen: 49.104 ng

RT: 9.023 min Scan# 1010

Delta R.T. 0.010 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

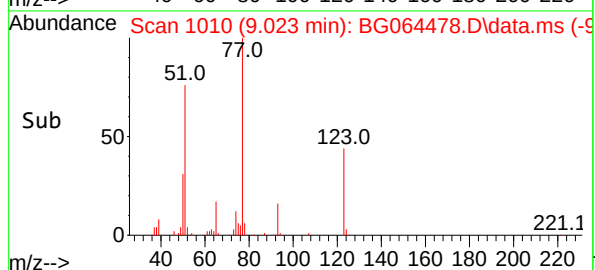
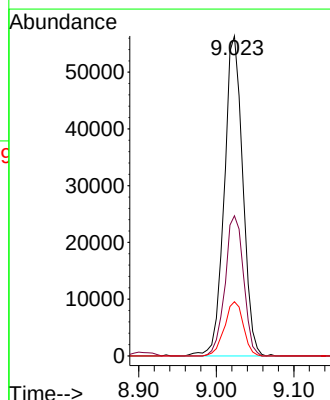
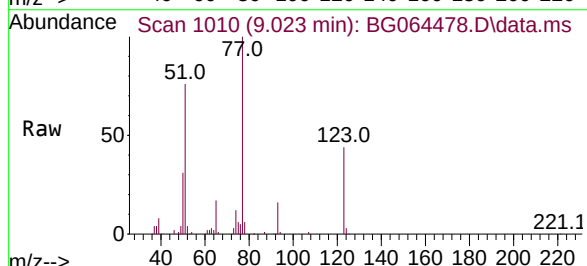
Tgt Ion: 77 Resp: 93559

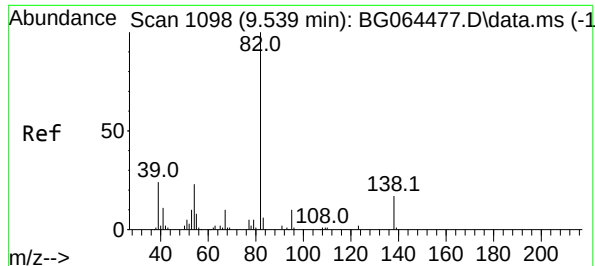
Ion Ratio Lower Upper

77 100

123 43.8 34.4 51.6

65 16.9 14.8 22.2





#25

Isophorone

Concen: 48.963 ng

RT: 9.546 min Scan# 1098

Delta R.T. 0.016 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 169476

Ion Ratio Lower Upper

82 100

95 12.5 7.8 11.8

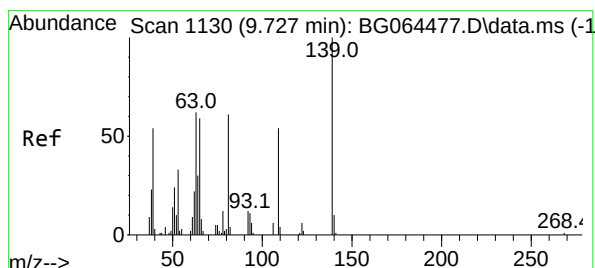
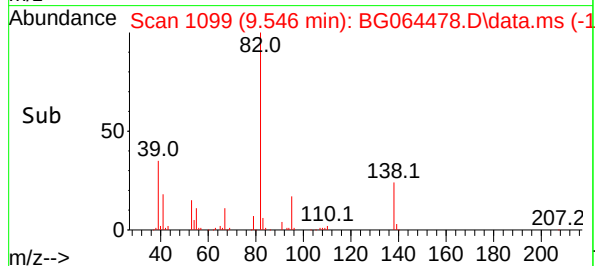
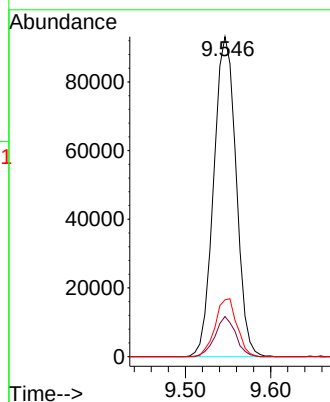
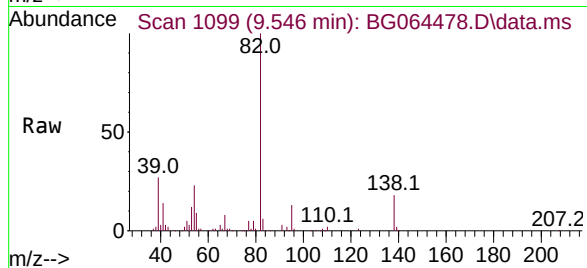
138 17.7 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#26

2-Nitrophenol

Concen: 50.130 ng

RT: 9.729 min Scan# 1130

Delta R.T. 0.010 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

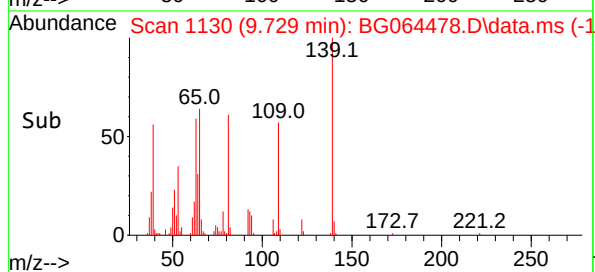
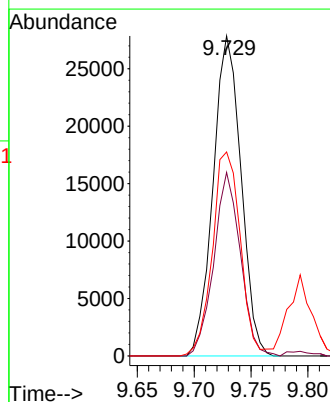
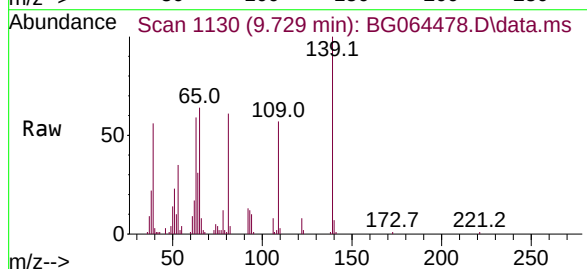
Tgt Ion:139 Resp: 47538

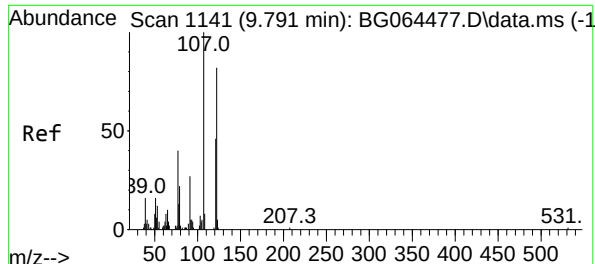
Ion Ratio Lower Upper

139 100

109 57.3 43.0 64.6

65 63.7 47.4 71.2





#27

2,4-Dimethylphenol

Concen: 50.454 ng

RT: 9.793 min Scan# 1141

Delta R.T. 0.010 min

Lab File: BG064478.D

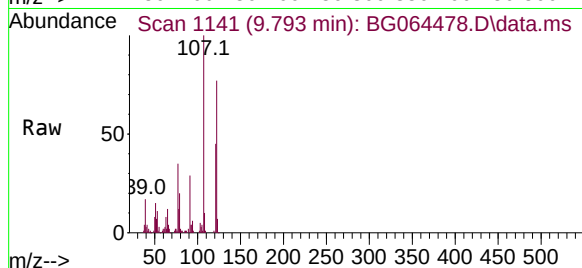
Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050



Tgt Ion:122 Resp: 73076

Ion Ratio Lower Upper

122 100

107 129.1 98.3 147.5

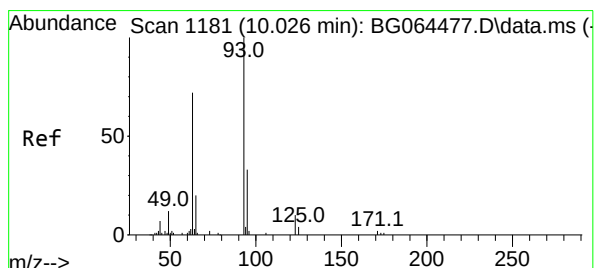
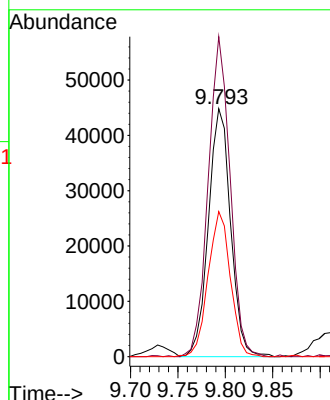
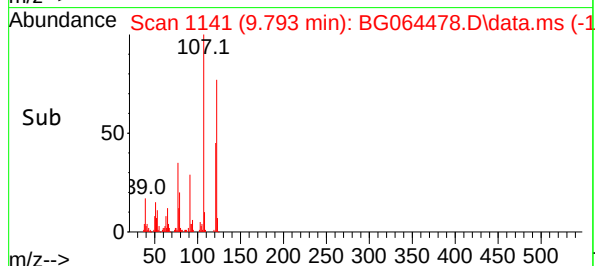
121 58.5 44.7 67.1

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#28

bis(2-Chloroethoxy)methane

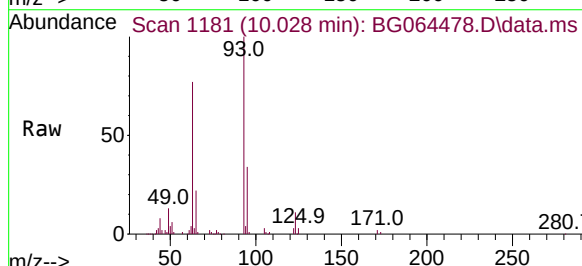
Concen: 48.931 ng

RT: 10.028 min Scan# 1181

Delta R.T. 0.010 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55



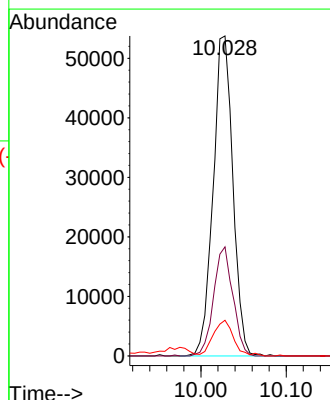
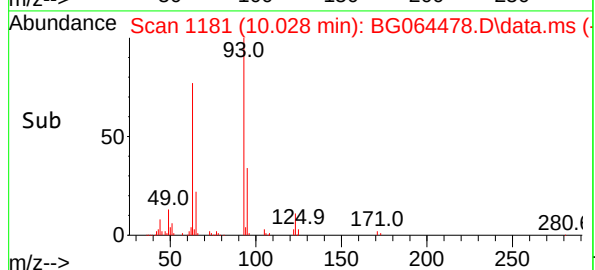
Tgt Ion: 93 Resp: 86333

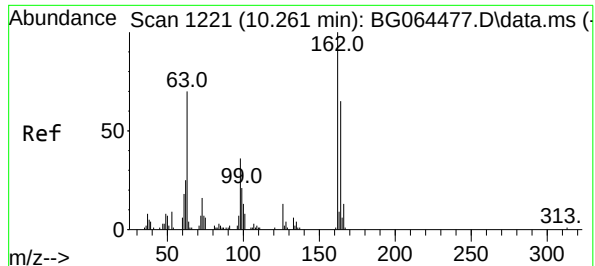
Ion Ratio Lower Upper

93 100

95 34.1 26.5 39.7

123 11.1 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 49.435 ng

RT: 10.263 min Scan# 1221

Delta R.T. 0.004 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 8279

Ion Ratio Lower Upper

162 100

164 61.5 45.4 85.4

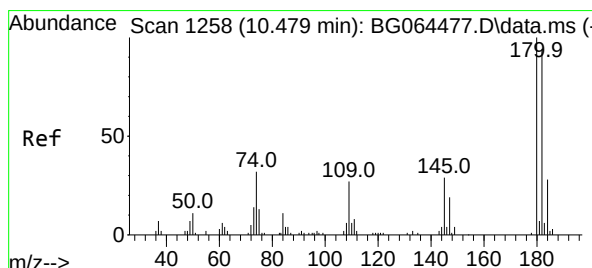
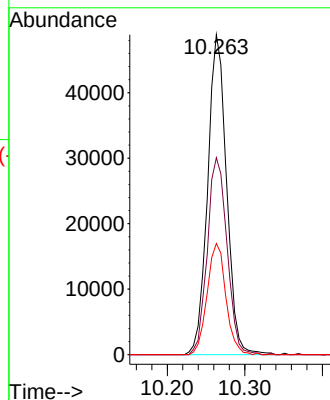
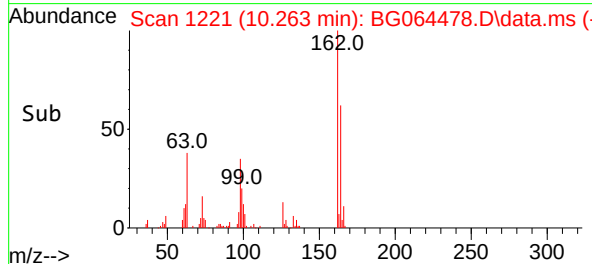
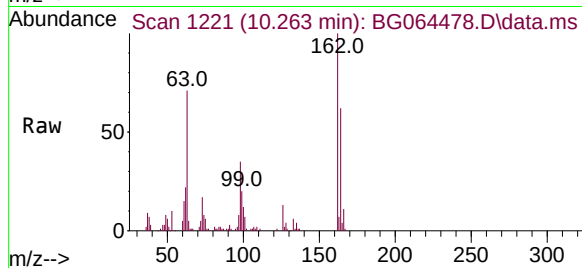
98 34.7 16.4 56.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#30

1,2,4-Trichlorobenzene

Concen: 47.734 ng

RT: 10.481 min Scan# 1258

Delta R.T. 0.010 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

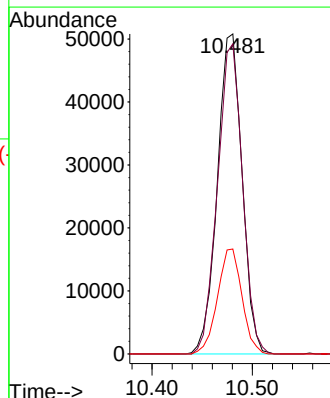
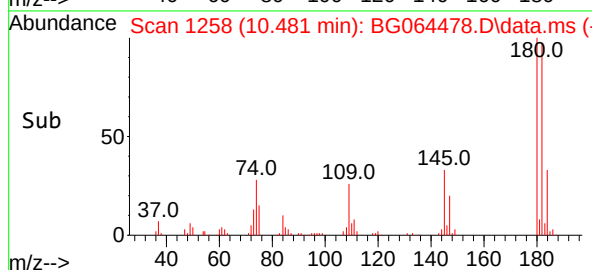
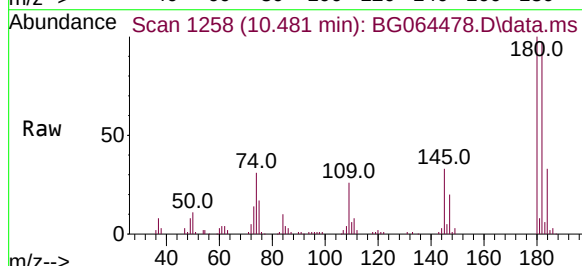
Tgt Ion:180 Resp: 87173

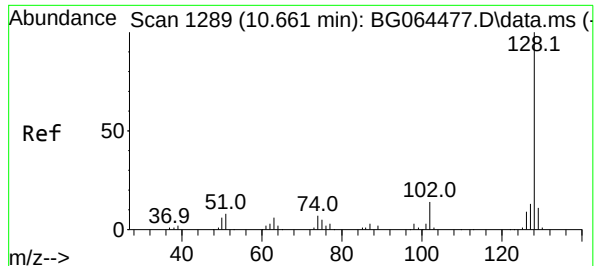
Ion Ratio Lower Upper

180 100

182 96.9 75.4 113.2

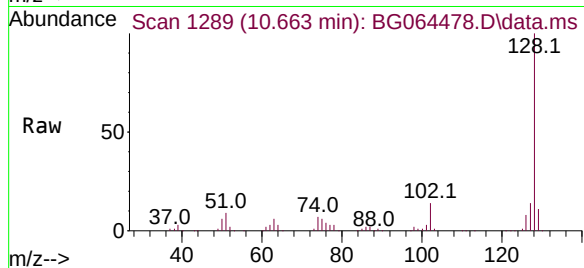
145 32.8 23.2 34.8





#31
Naphthalene
Concen: 48.286 ng
RT: 10.663 min Scan# 1172
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

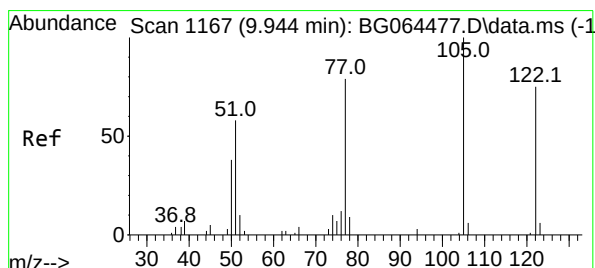
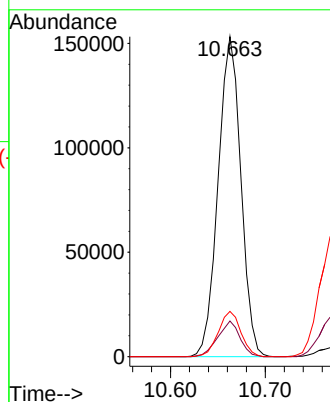
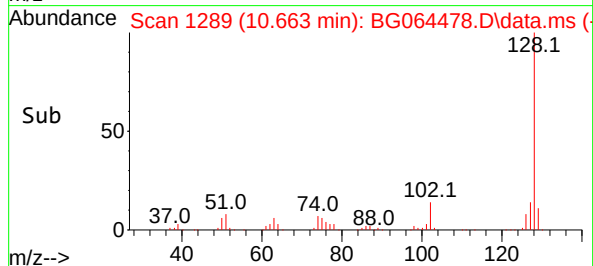
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



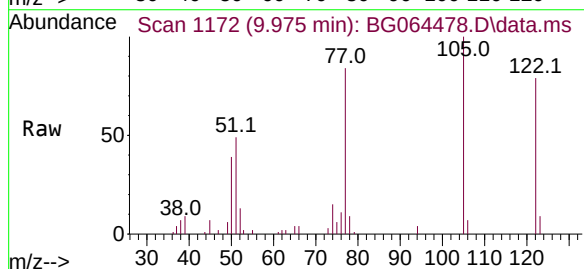
Tgt Ion:128 Resp: 25545
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 14.1 10.2 15.2

Manual Integrations
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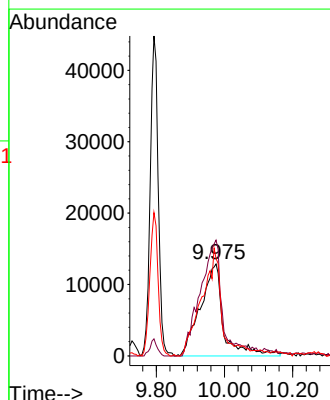
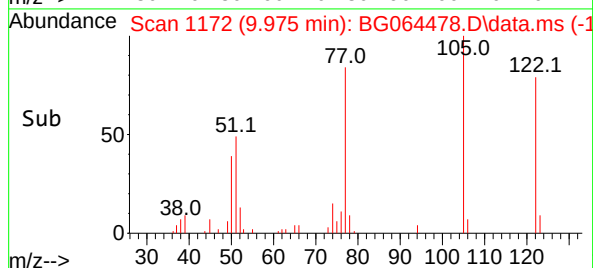
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

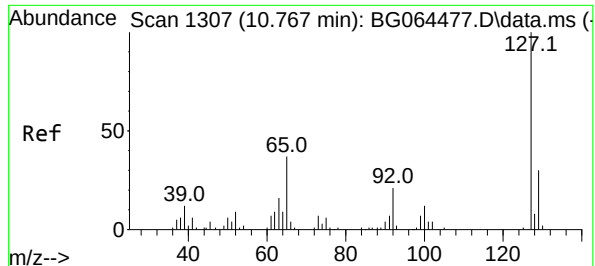


#32
Benzoic acid
Concen: 54.652 ng m
RT: 9.975 min Scan# 1172
Delta R.T. 0.087 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



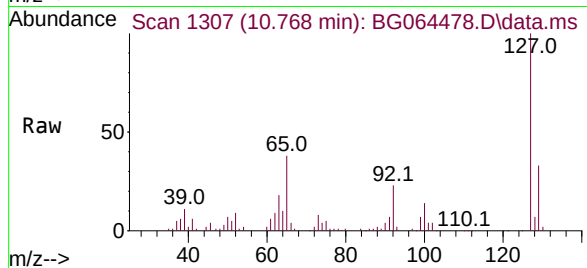
Tgt Ion:122 Resp: 60774
Ion Ratio Lower Upper
122 100
105 125.9 113.9 153.9
77 105.8 86.1 126.1





#33
4-Chloroaniline
Concen: 49.113 ng
RT: 10.768 min Scan# 1307
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

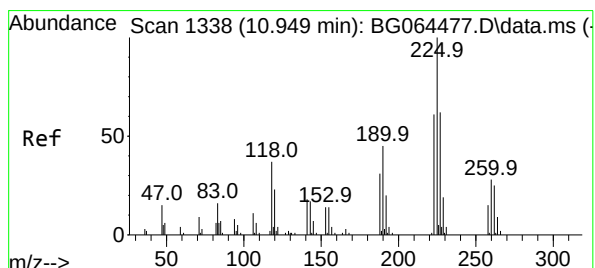
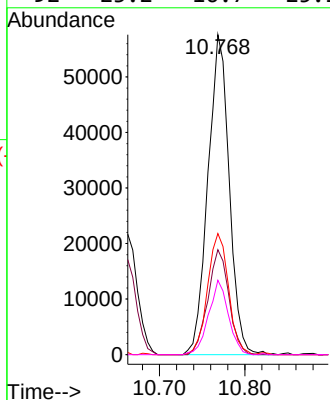
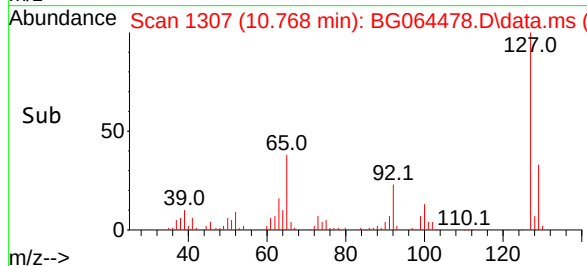
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:127 Resp: 99704
Ion Ratio Lower Upper
127 100
129 32.8 24.2 36.4
65 37.8 29.6 44.4
92 23.2 16.7 25.1

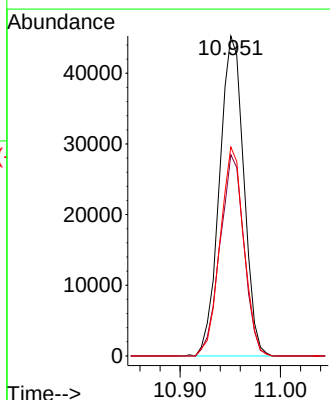
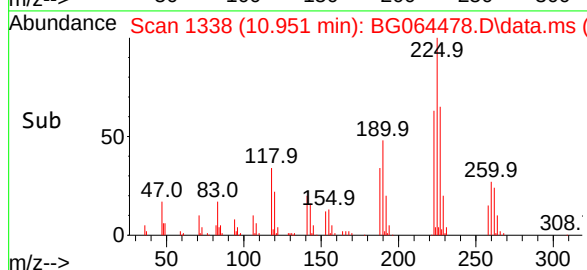
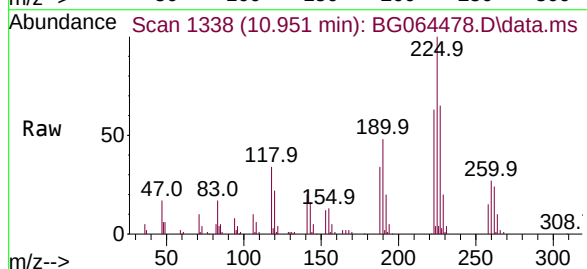
Manual Integrations
APPROVED

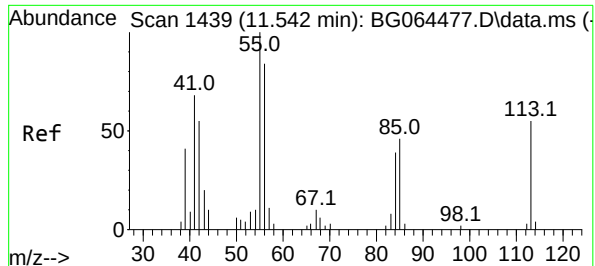
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#34
Hexachlorobutadiene
Concen: 48.646 ng
RT: 10.951 min Scan# 1338
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

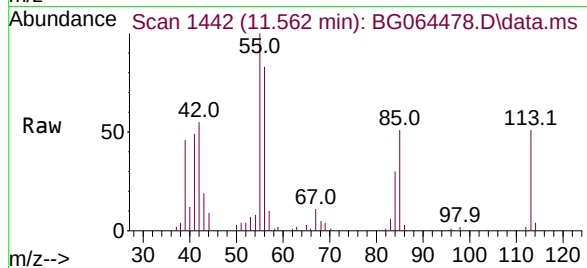
Tgt Ion:225 Resp: 76081
Ion Ratio Lower Upper
225 100
223 62.9 49.0 73.6
227 65.3 49.9 74.9





#35
Caprolactam
Concen: 49.561 ng
RT: 11.562 min Scan# 1439
Delta R.T. 0.051 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

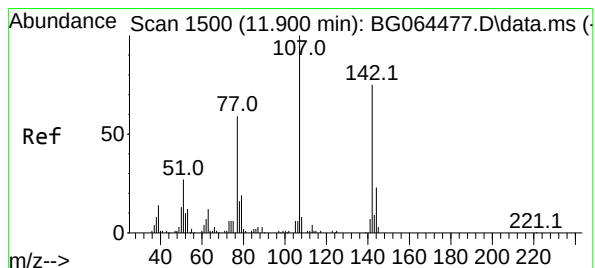
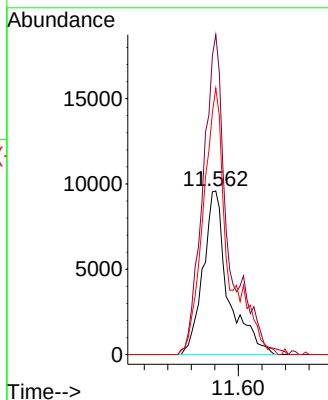
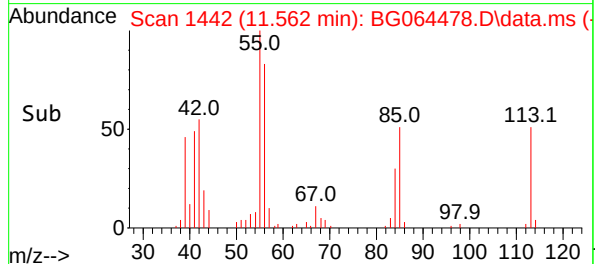
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



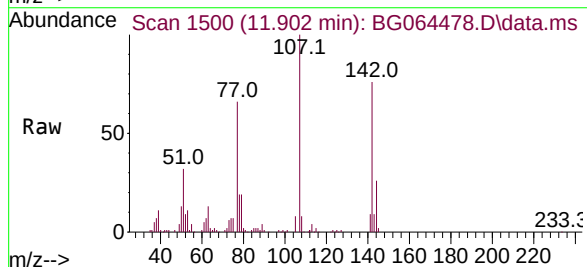
Tgt Ion:113 Resp: 2841
Ion Ratio Lower Upper
113 100
55 195.6 162.0 202.0
56 162.8 134.6 174.6

Manual Integrations
APPROVED

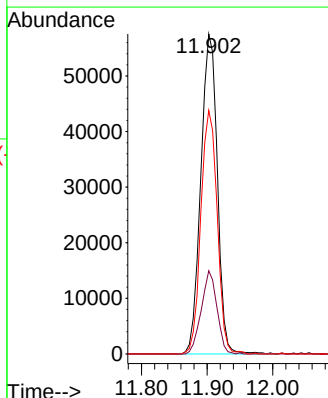
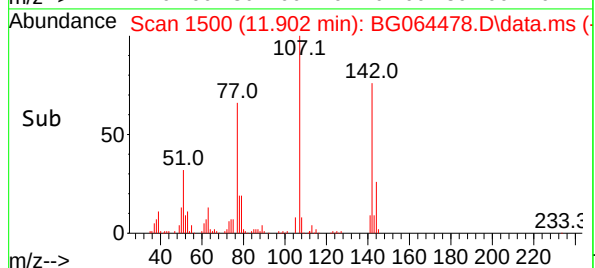
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

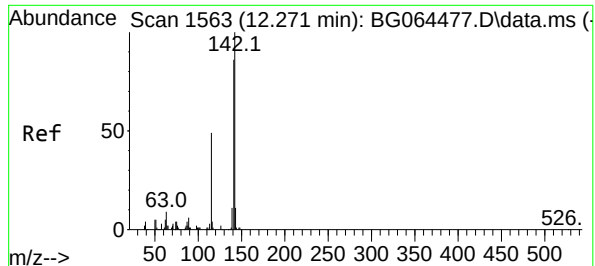


#36
4-Chloro-3-methylphenol
Concen: 49.208 ng
RT: 11.902 min Scan# 1500
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



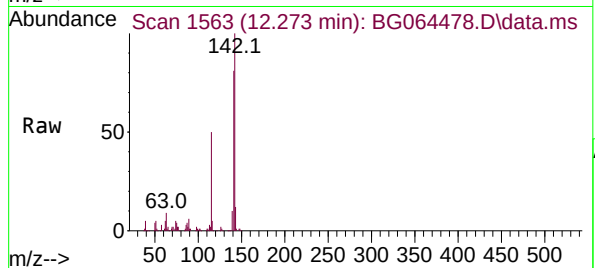
Tgt Ion:107 Resp: 100226
Ion Ratio Lower Upper
107 100
144 26.0 18.7 28.1
142 76.1 60.2 90.2





#37
2-Methylnaphthalene
Concen: 49.224 ng
RT: 12.273 min Scan# 1563
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

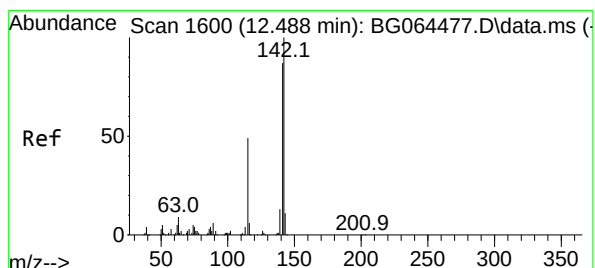
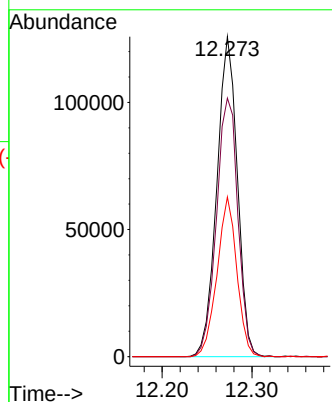
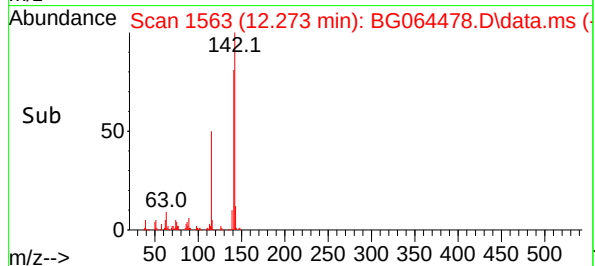
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:142 Resp: 199899
Ion Ratio Lower Upper
142 100
141 80.8 68.7 103.1
115 49.9 39.3 58.9

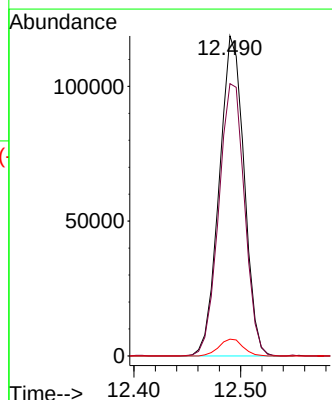
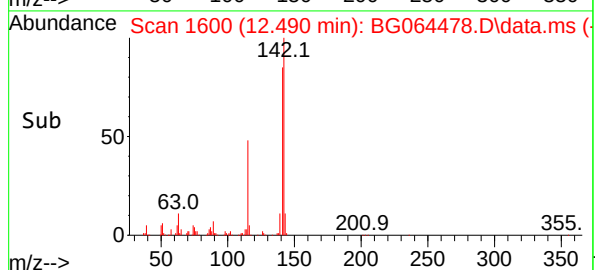
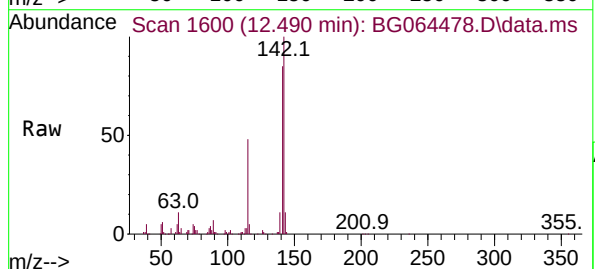
Manual Integrations
APPROVED

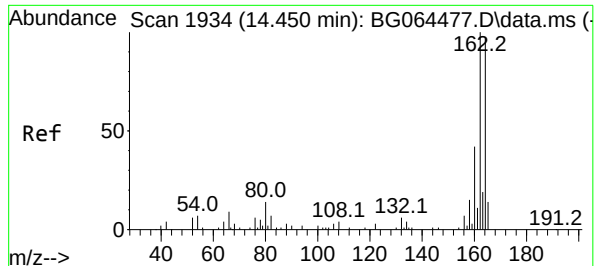
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#38
1-Methylnaphthalene
Concen: 47.567 ng
RT: 12.490 min Scan# 1600
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:142 Resp: 192614
Ion Ratio Lower Upper
142 100
141 85.1 69.8 104.8
116 5.2 4.6 6.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.452 min Scan# 1934

Delta R.T. 0.004 min

Lab File: BG064478.D

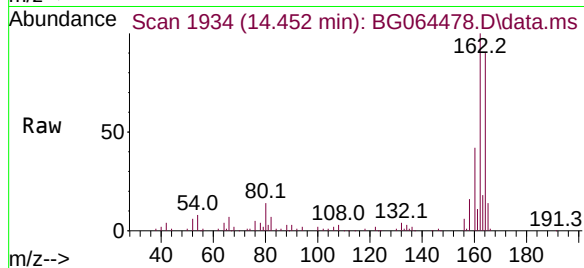
Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050



Tgt Ion:164 Resp: 77950

Ion Ratio Lower Upper

164 100

162 111.6 82.2 123.2

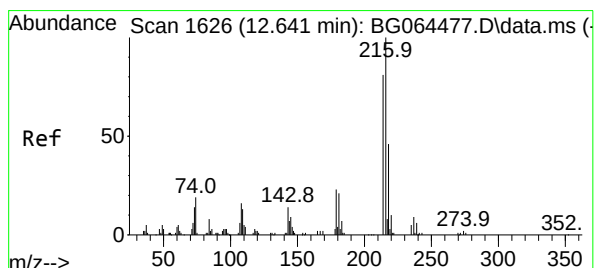
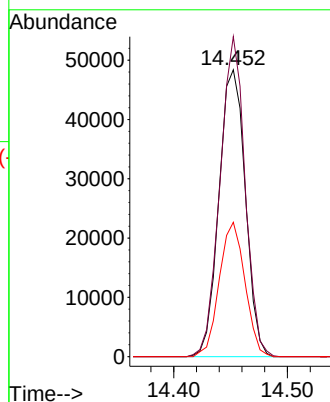
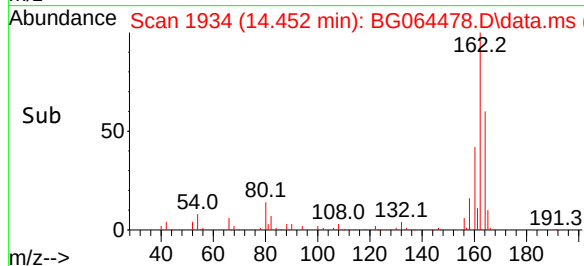
160 46.9 34.3 51.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#40

1,2,4,5-Tetrachlorobenzene

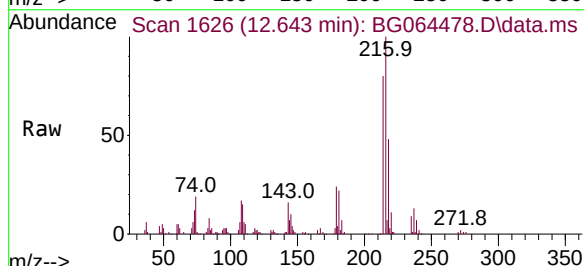
Concen: 49.525 ng

RT: 12.643 min Scan# 1626

Delta R.T. 0.004 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55



Tgt Ion:216 Resp: 124648

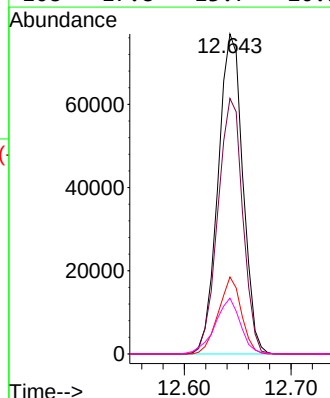
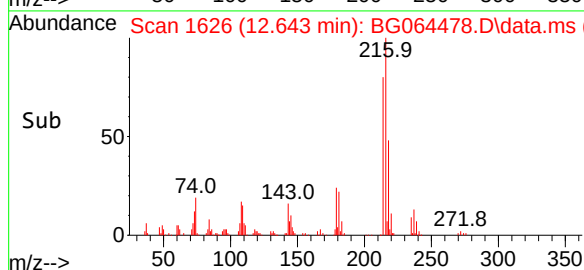
Ion Ratio Lower Upper

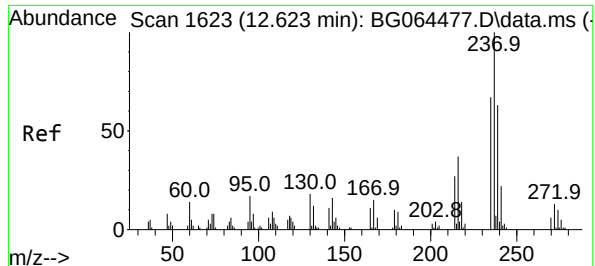
216 100

214 80.0 62.5 93.7

179 22.2 17.0 25.6

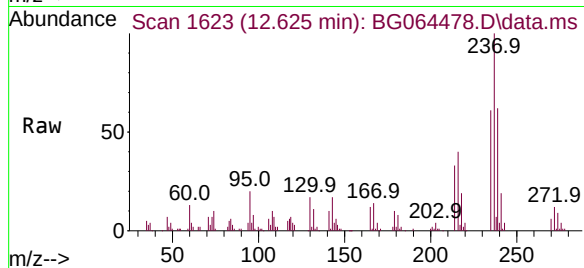
108 17.8 13.7 20.5





#41
Hexachlorocyclopentadiene
Concen: 52.692 ng
RT: 12.625 min Scan# 1623
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

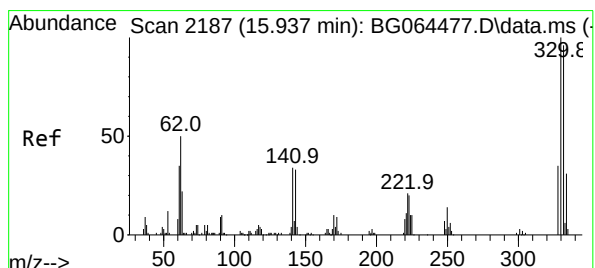
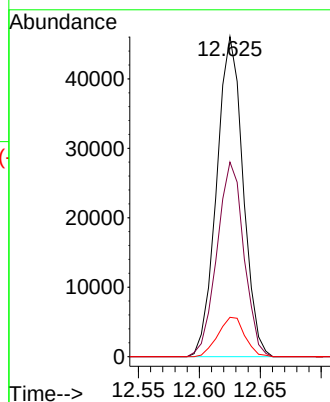
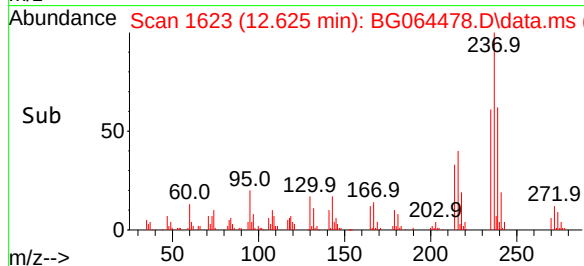
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



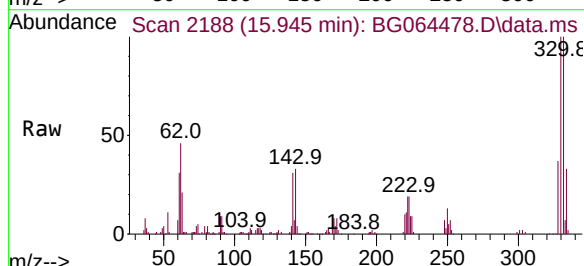
Tgt Ion:237 Resp: 69372
Ion Ratio Lower Upper
237 100
235 60.8 46.9 86.9
272 12.3 0.0 32.6

Manual Integrations
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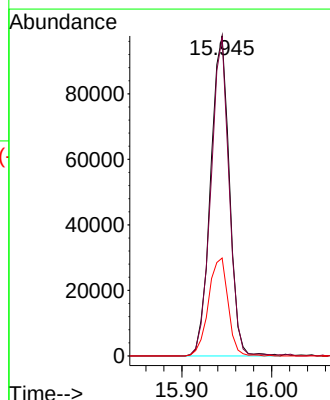
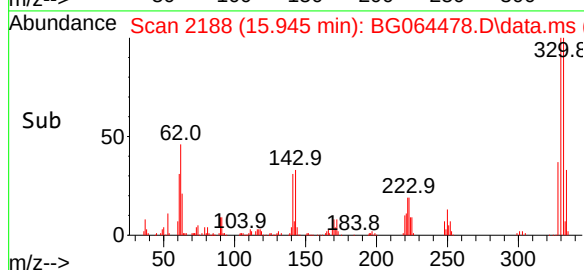
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

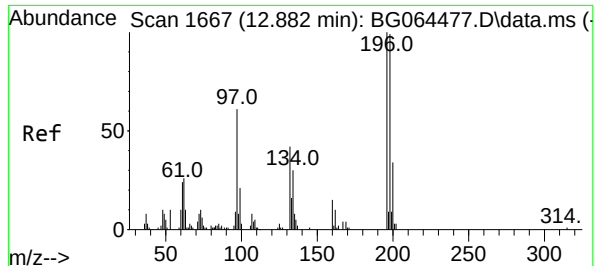


#42
2,4,6-Tribromophenol
Concen: 100.345 ng
RT: 15.945 min Scan# 2188
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



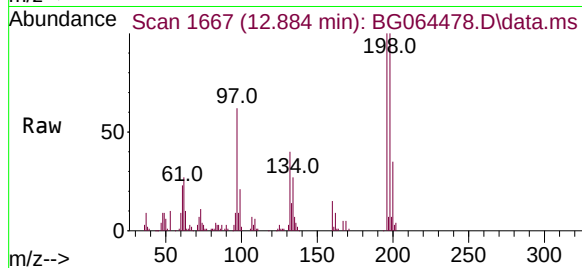
Tgt Ion:330 Resp: 141783
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 31.9 25.8 38.6





#43
2,4,6-Trichlorophenol
Concen: 50.434 ng
RT: 12.884 min Scan# 1667
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

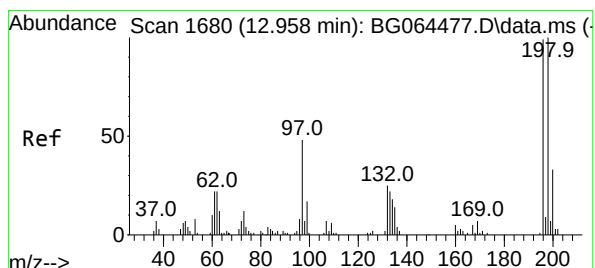
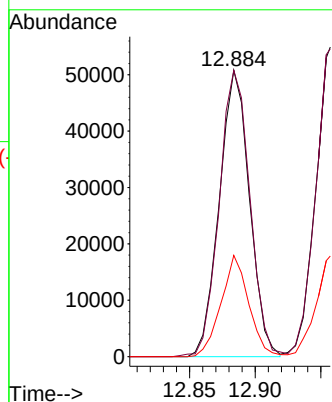
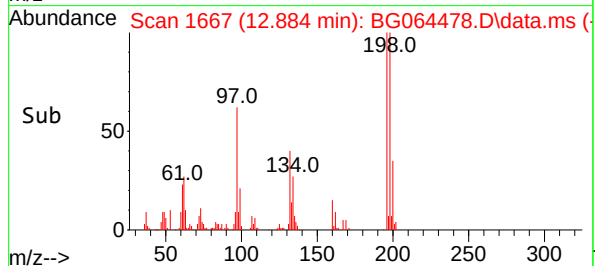
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:196 Resp: 81144
Ion Ratio Lower Upper
196 100
198 100.0 79.3 118.9
200 35.4 27.4 41.2

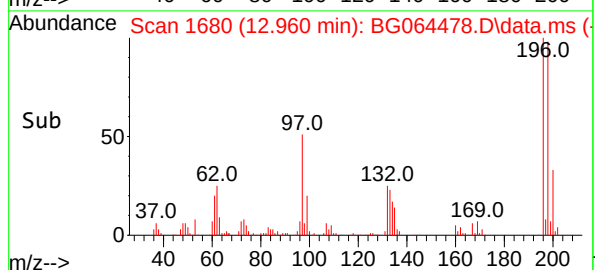
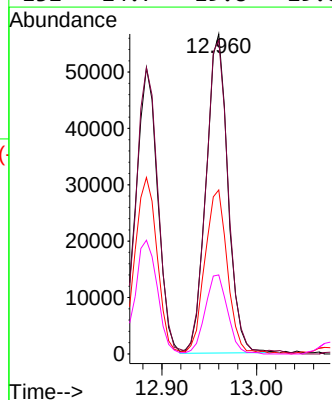
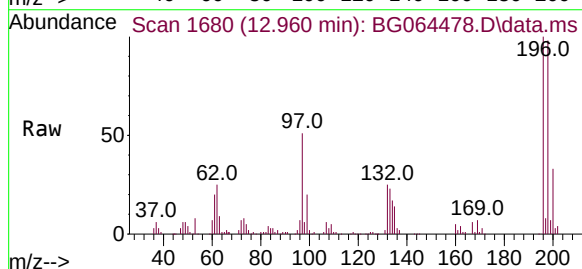
Manual Integrations
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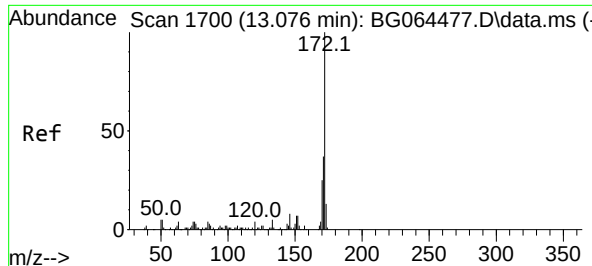
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#44
2,4,5-Trichlorophenol
Concen: 50.396 ng
RT: 12.960 min Scan# 1680
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:196 Resp: 90524
Ion Ratio Lower Upper
196 100
198 98.0 80.3 120.5
97 51.2 39.4 59.0
132 24.7 19.8 29.8





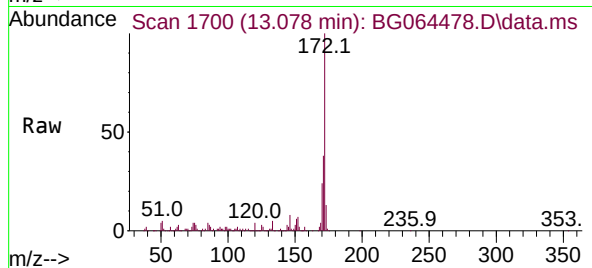
#45
2-Fluorobiphenyl
Concen: 97.676 ng
RT: 13.078 min Scan# 1700
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

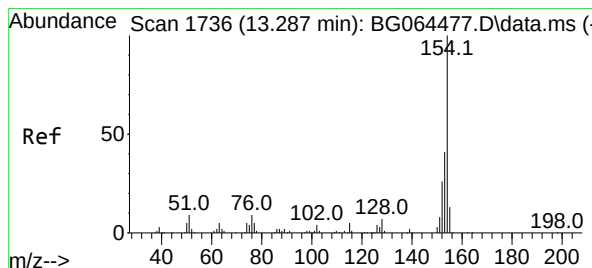
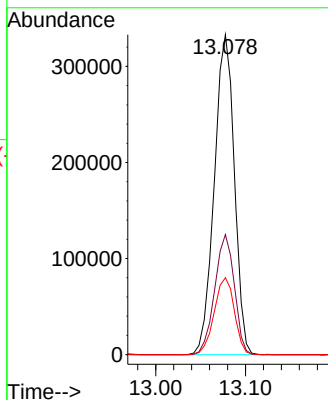
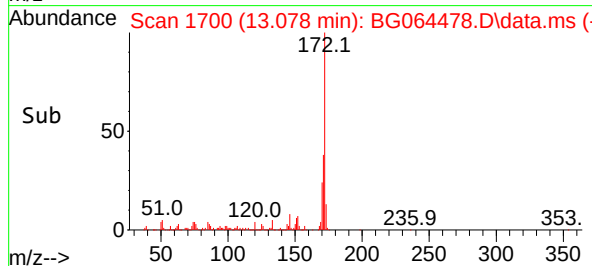


Tgt Ion:172 Resp: 516540
Ion Ratio Lower Upper
172 100
171 37.5 29.6 44.4
170 24.0 20.2 30.2

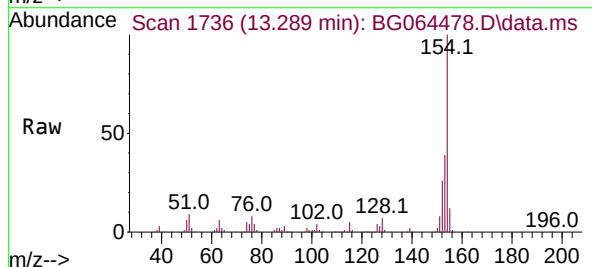
Manual Integrations

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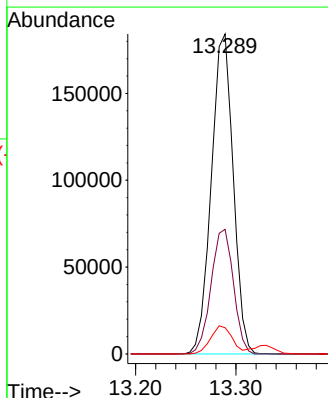
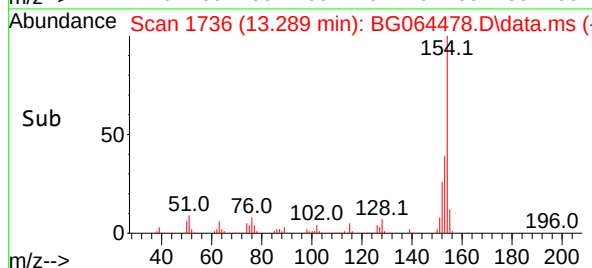
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

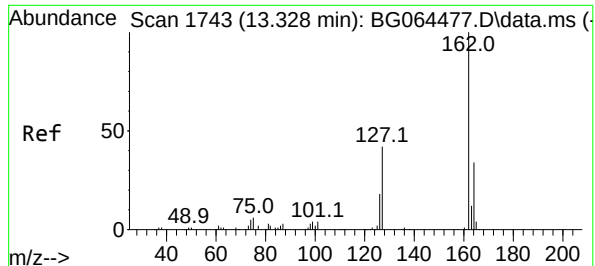


#46
1,1'-Biphenyl
Concen: 49.860 ng
RT: 13.289 min Scan# 1736
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



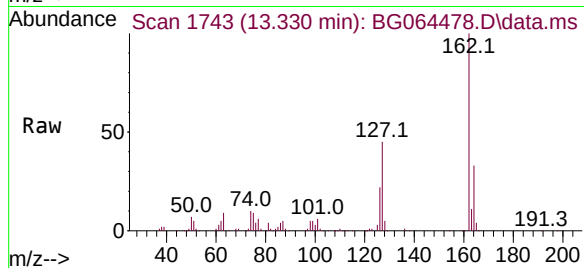
Tgt Ion:154 Resp: 279537
Ion Ratio Lower Upper
154 100
153 38.9 20.7 60.7
76 8.2 0.0 29.3





#47
2-Chloronaphthalene
Concen: 49.166 ng
RT: 13.330 min Scan# 1743
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

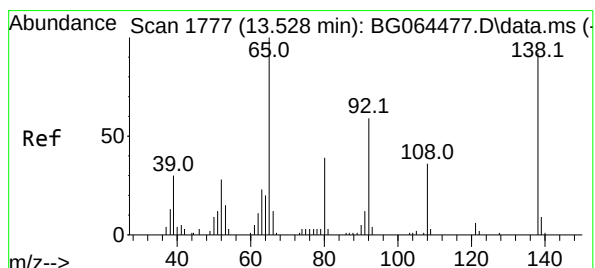
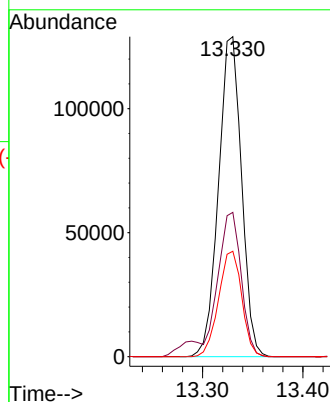
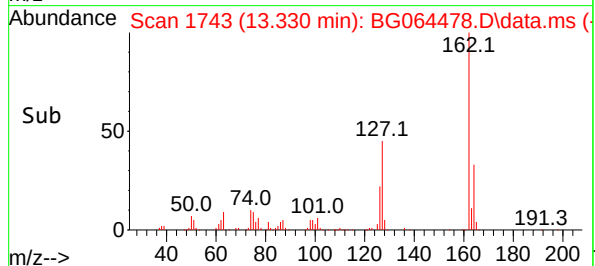
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:162 Resp: 205802
Ion Ratio Lower Upper
162 100
127 45.1 35.8 53.8
164 32.9 27.2 40.8

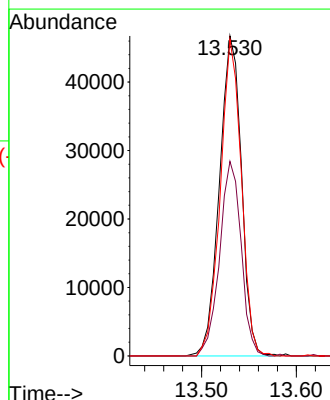
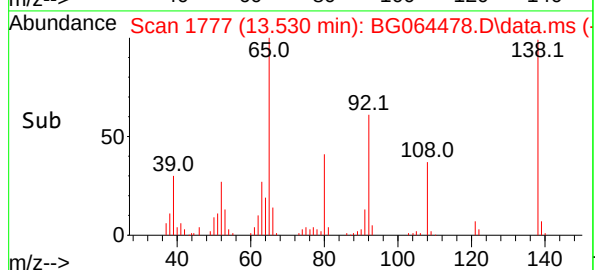
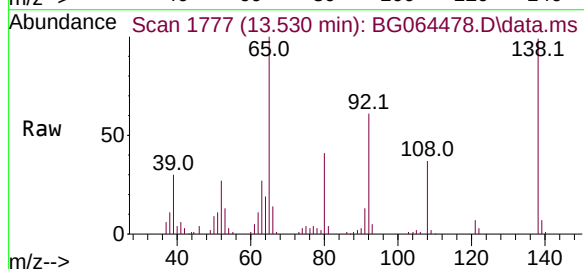
Manual Integrations
APPROVED

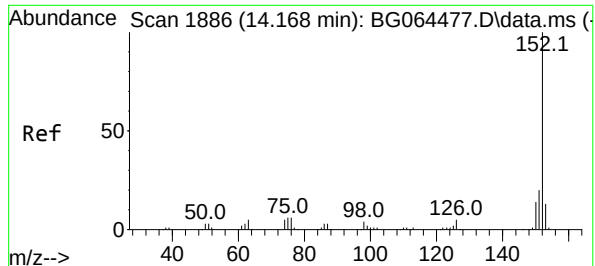
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#48
2-Nitroaniline
Concen: 52.594 ng
RT: 13.530 min Scan# 1777
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

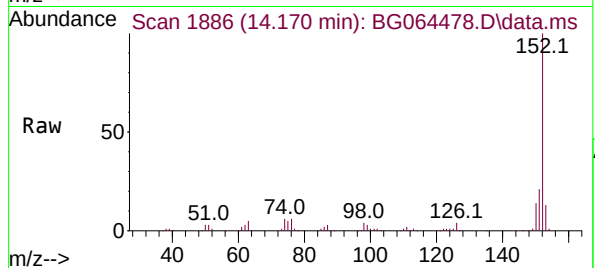
Tgt Ion: 65 Resp: 75138
Ion Ratio Lower Upper
65 100
92 60.8 47.0 70.6
138 98.9 73.5 110.3





#49
Acenaphthylene
Concen: 49.365 ng
RT: 14.170 min Scan# 1886
Delta R.T. -0.002 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

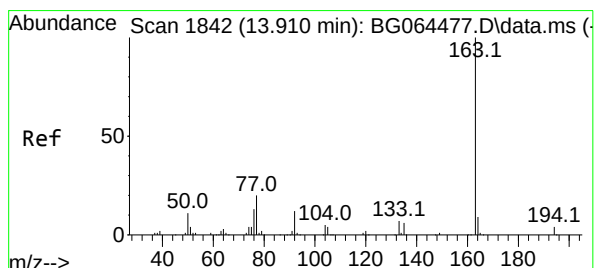
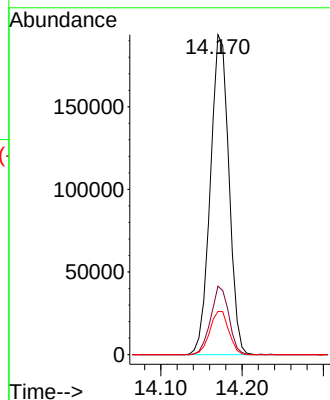
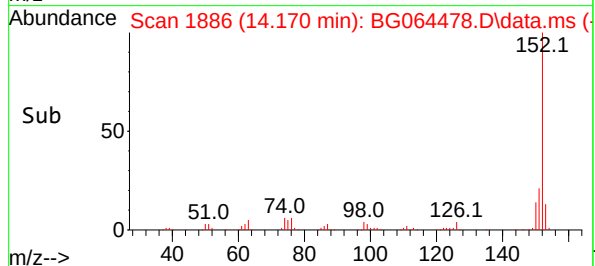
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



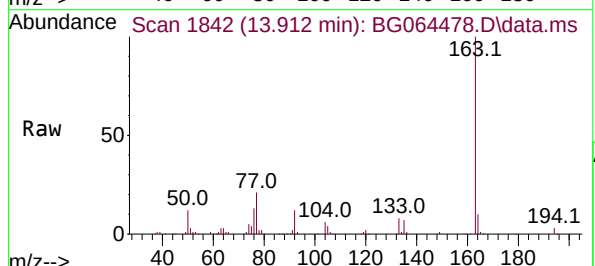
Tgt Ion:152 Resp: 306740
Ion Ratio Lower Upper
152 100
151 21.4 15.8 23.6
153 13.5 10.6 15.8

Manual Integrations
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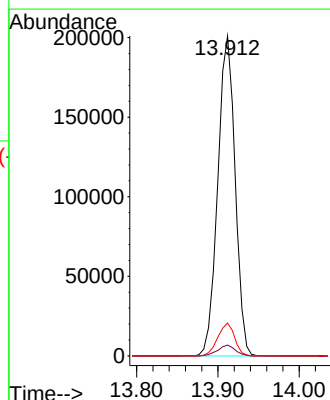
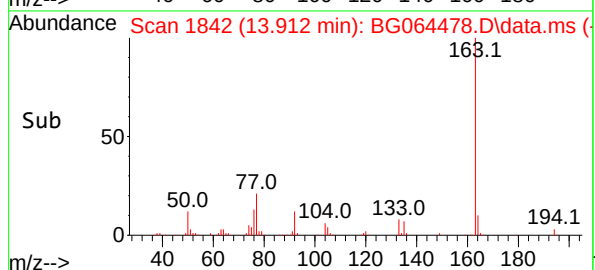
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

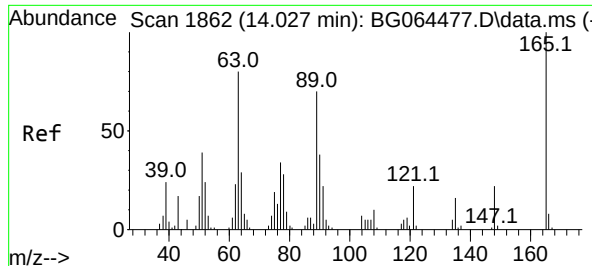


#50
Dimethylphthalate
Concen: 48.884 ng
RT: 13.912 min Scan# 1842
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



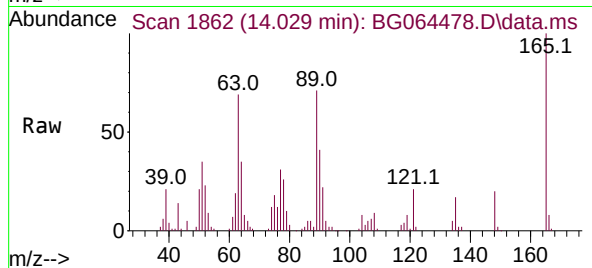
Tgt Ion:163 Resp: 298441
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 10.3 7.4 11.0





#51
2,6-Dinitrotoluene
Concen: 51.087 ng
RT: 14.029 min Scan# 1862
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

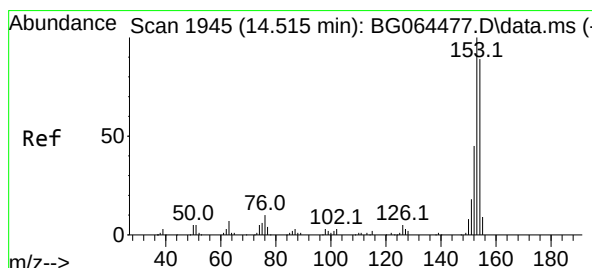
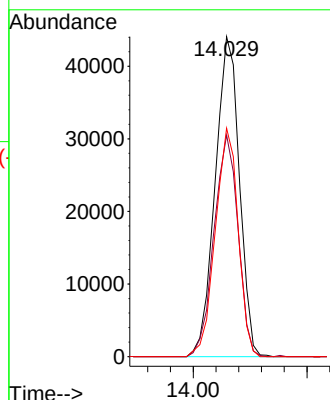
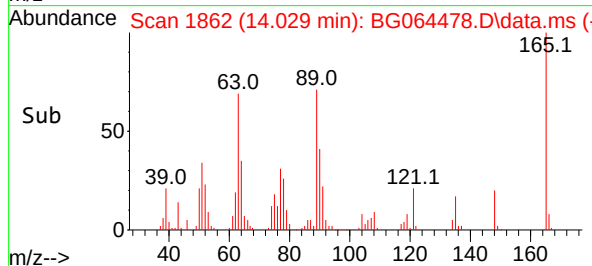
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 64970
Ion Ratio Lower Upper
165 100
63 69.2 63.9 95.9
89 71.4 56.1 84.1

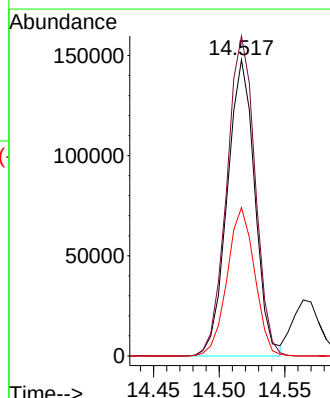
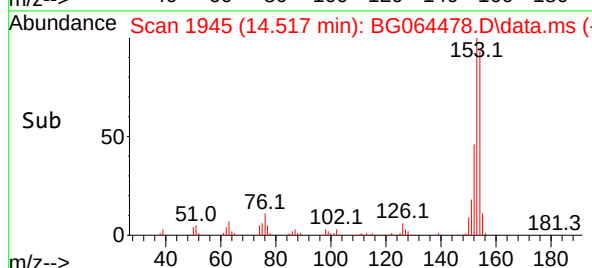
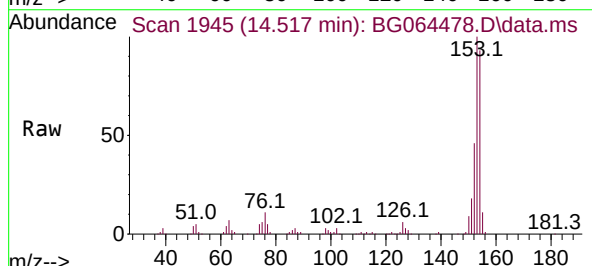
Manual Integrations
APPROVED

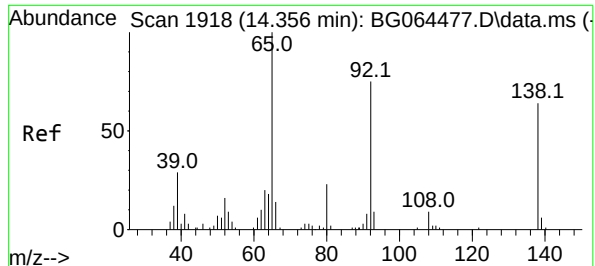
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#52
Acenaphthene
Concen: 49.943 ng
RT: 14.517 min Scan# 1945
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:154 Resp: 215606
Ion Ratio Lower Upper
154 100
153 108.1 90.2 135.4
152 50.1 40.2 60.4





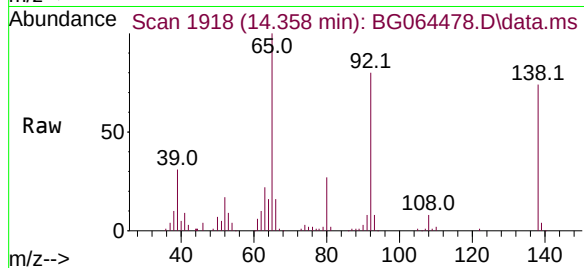
#53
3-Nitroaniline
Concen: 52.305 ng
RT: 14.358 min Scan# 1918
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

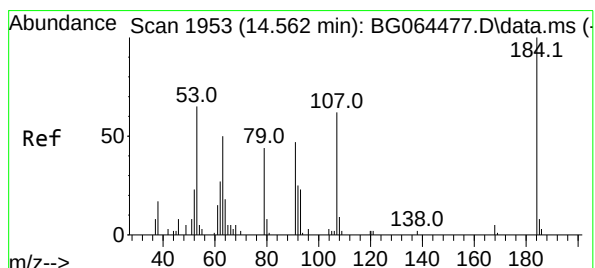
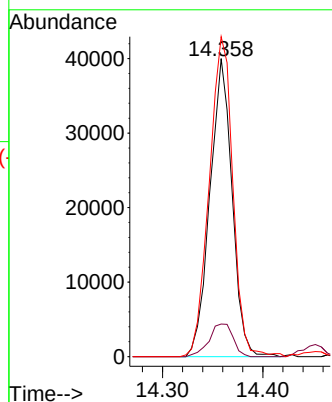
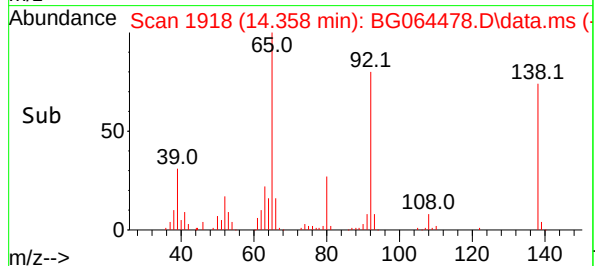


Tgt Ion:138 Resp: 61347
Ion Ratio Lower Upper
138 100
108 10.9 10.6 15.8
92 107.4 93.2 139.8

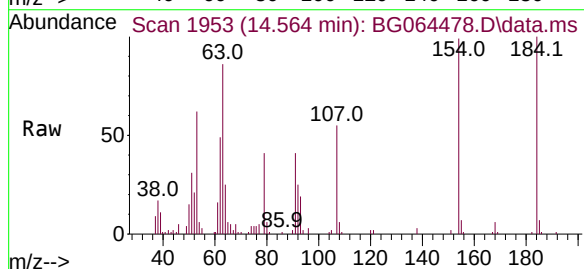
Manual Integrations

APPROVED

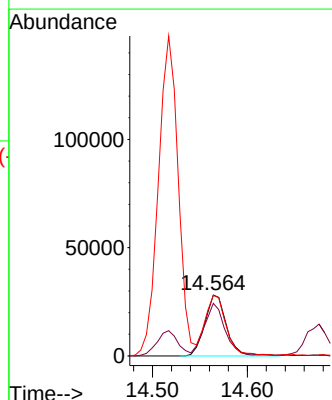
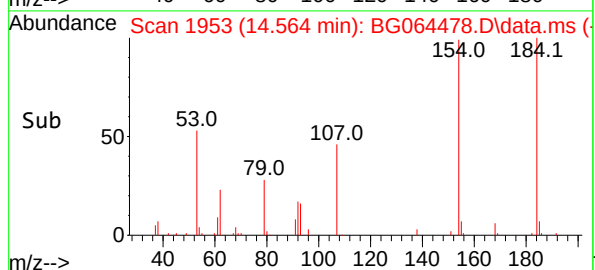
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

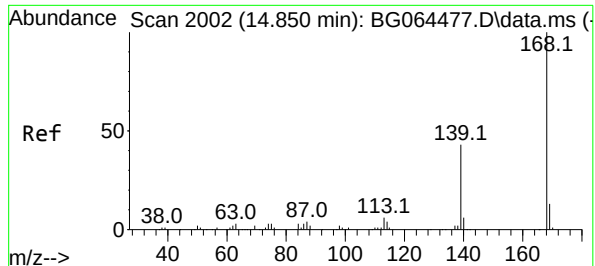


#54
2,4-Dinitrophenol
Concen: 48.222 ng
RT: 14.564 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



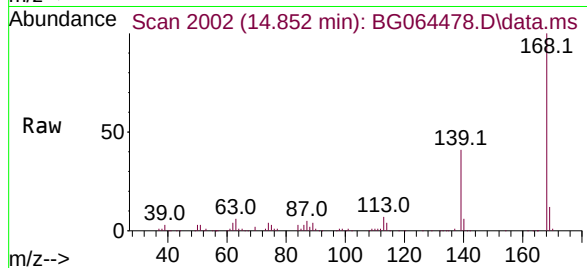
Tgt Ion:184 Resp: 44469
Ion Ratio Lower Upper
184 100
63 86.4 69.0 103.4
154 99.3 95.6 143.4





#55
Dibenzenofuran
Concen: 49.793 ng
RT: 14.852 min Scan# 2002
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

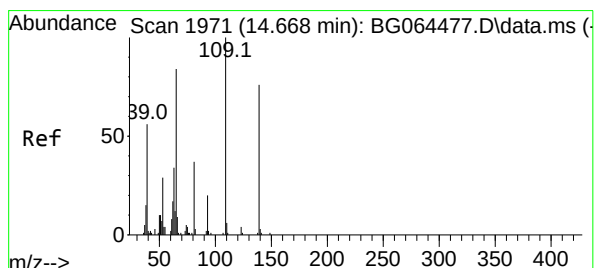
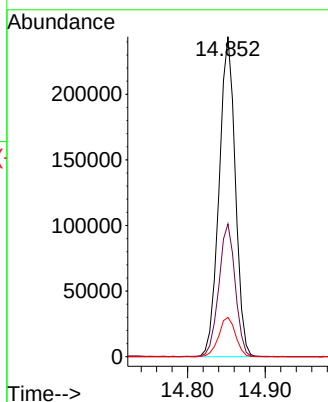
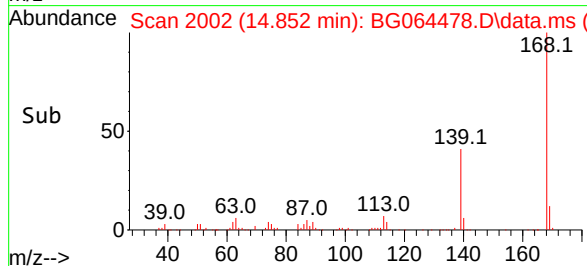
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:168 Resp: 354924
Ion Ratio Lower Upper
168 100
139 41.5 34.0 51.0
169 12.3 10.2 15.2

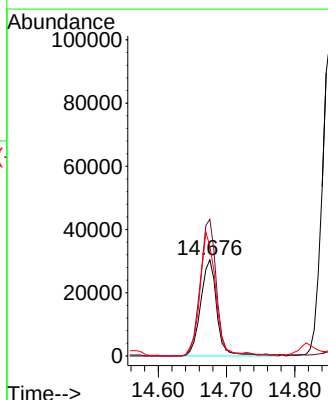
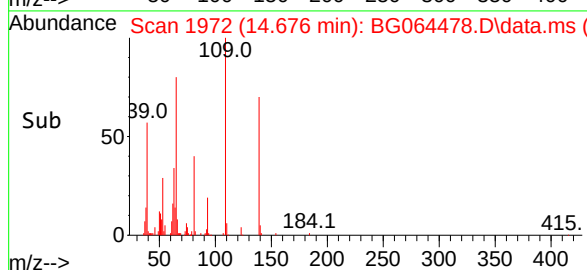
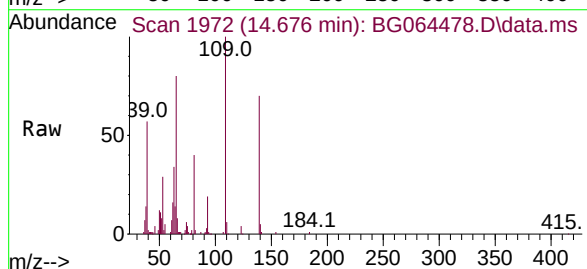
Manual Integrations
APPROVED

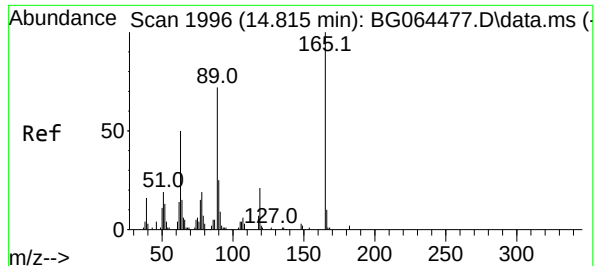
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#56
4-Nitrophenol
Concen: 54.092 ng
RT: 14.676 min Scan# 1972
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:139 Resp: 49950
Ion Ratio Lower Upper
139 100
109 142.0 111.8 151.8
65 113.8 91.1 131.1





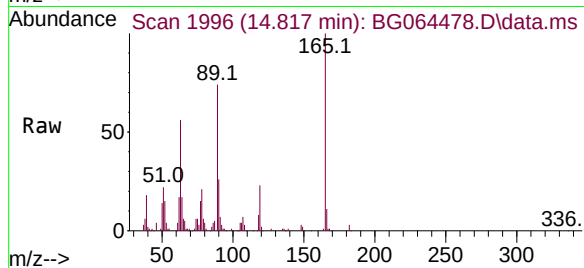
#57
2,4-Dinitrotoluene
Concen: 51.401 ng
RT: 14.817 min Scan# 1996
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050



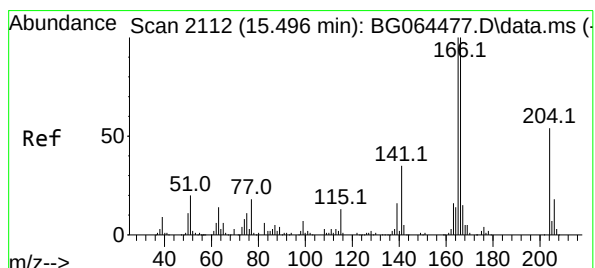
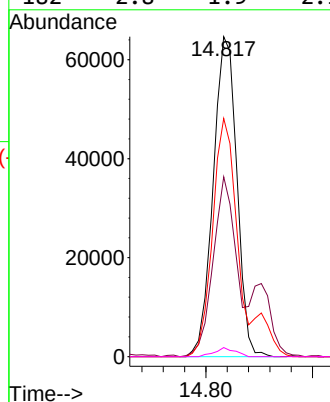
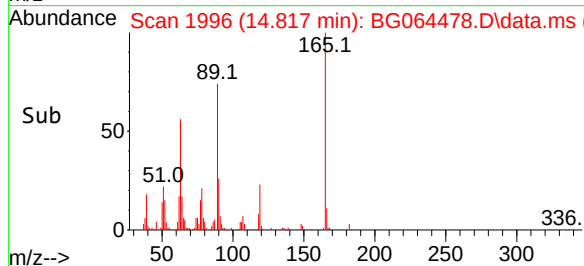
Tgt Ion:165 Resp: 99930
Ion Ratio Lower Upper
165 100
63 56.2 40.4 60.6
89 74.4 57.3 85.9
182 2.8 1.9 2.9

Manual Integrations

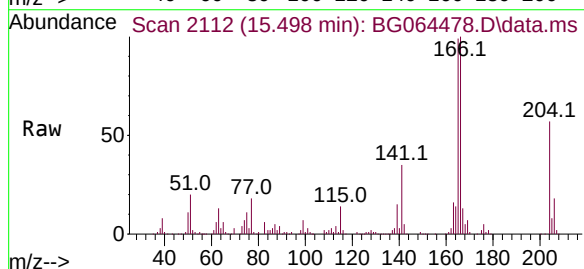
APPROVED

Reviewed By :Rahul Chavli 10/03/2025

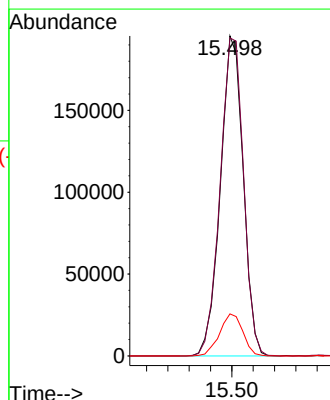
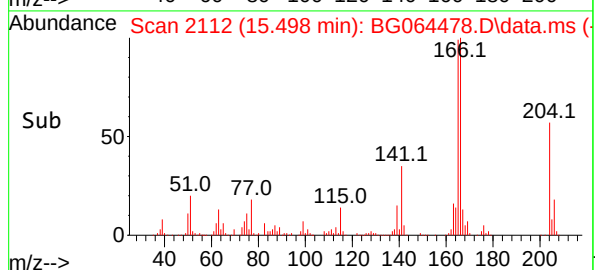
Supervised By :Jagrut Upadhyay 10/03/2025

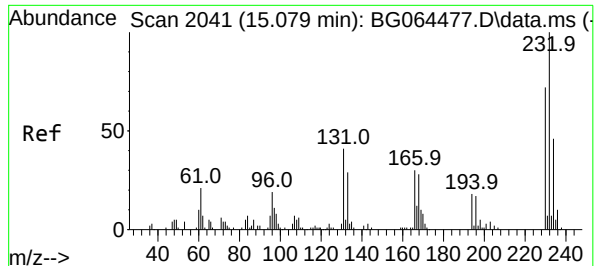


#58
Fluorene
Concen: 48.945 ng
RT: 15.498 min Scan# 2112
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



Tgt Ion:166 Resp: 290041
Ion Ratio Lower Upper
166 100
165 99.4 79.8 119.6
167 13.2 11.7 17.5





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.511 ng
RT: 15.081 min Scan# 2041
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

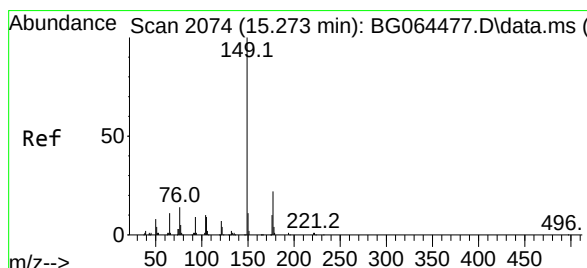
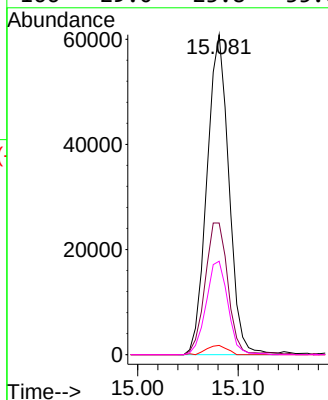
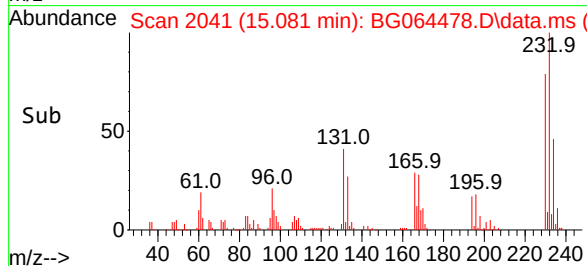
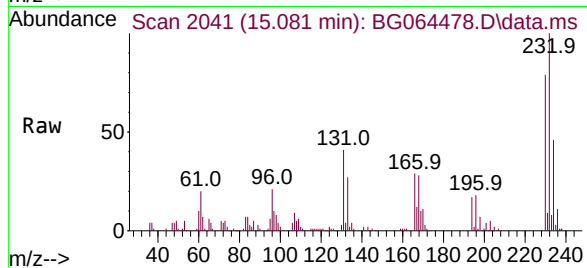
SSTDICC050

Tgt Ion	Ratio	Lower	Upper
232	100		
131	42.5	35.0	52.4
130	2.7	2.0	3.0
166	29.0	23.8	35.6

Manual Integrations

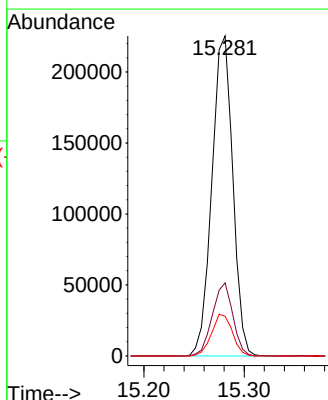
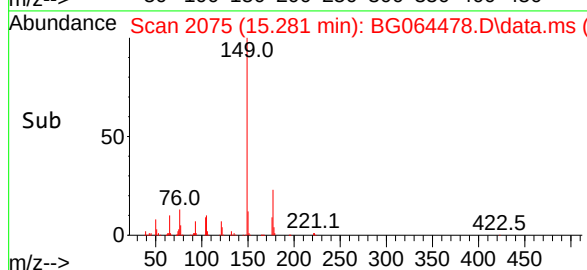
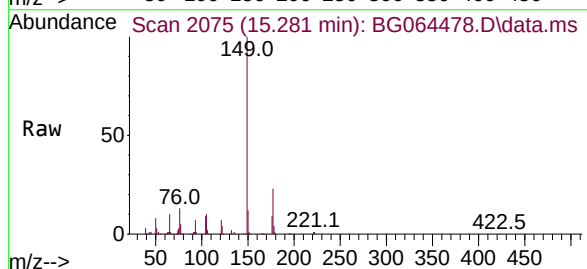
APPROVED

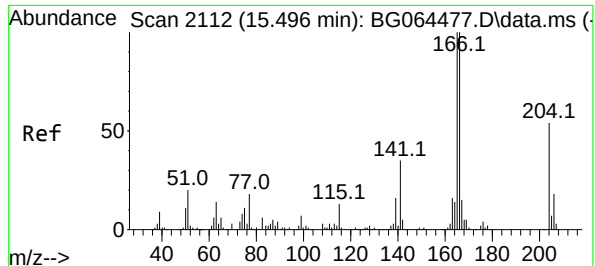
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#60
Diethylphthalate
Concen: 49.833 ng
RT: 15.281 min Scan# 2075
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.4	26.0
150	12.4	9.1	13.7





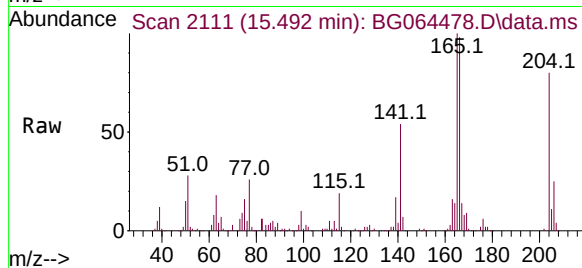
#61
4-Chlorophenyl-phenylether
Concen: 49.191 ng
RT: 15.492 min Scan# 2111
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

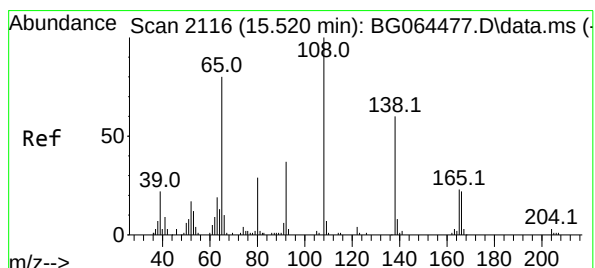
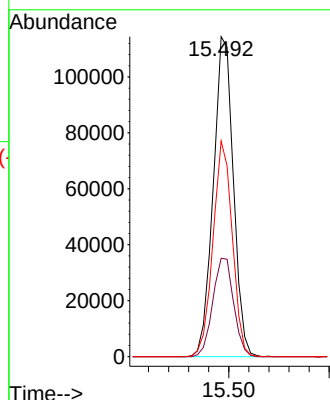
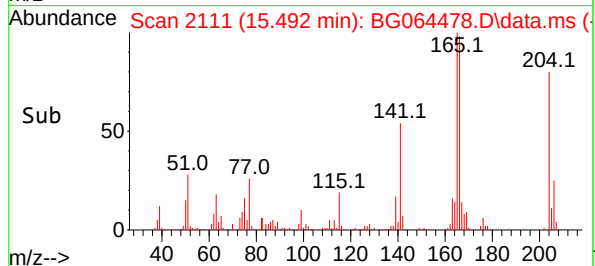


Tgt Ion:204 Resp: 15914
Ion Ratio Lower Upper
204 100
206 30.7 27.1 40.7
141 67.4 51.5 77.3

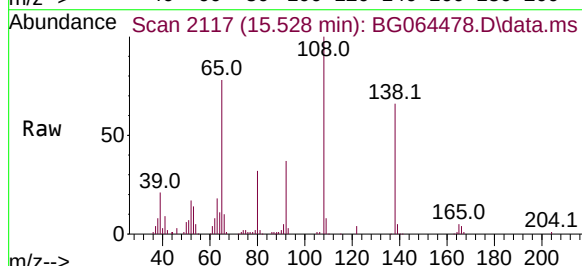
Manual Integrations

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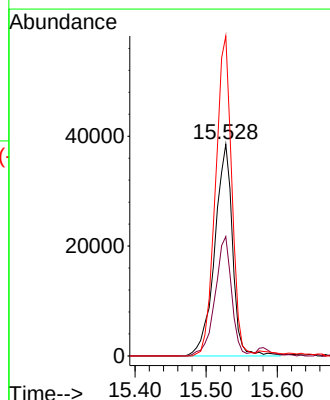
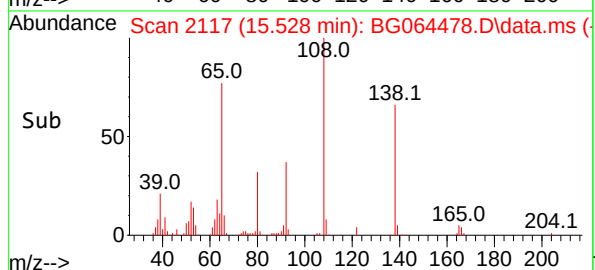
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

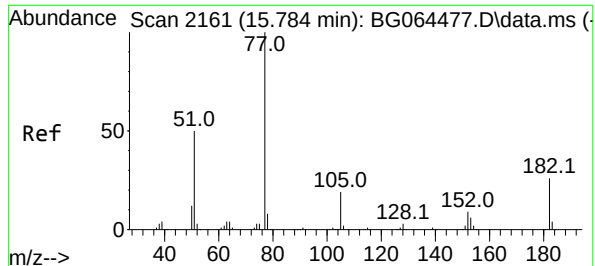


#62
4-Nitroaniline
Concen: 55.050 ng
RT: 15.528 min Scan# 2117
Delta R.T. 0.016 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



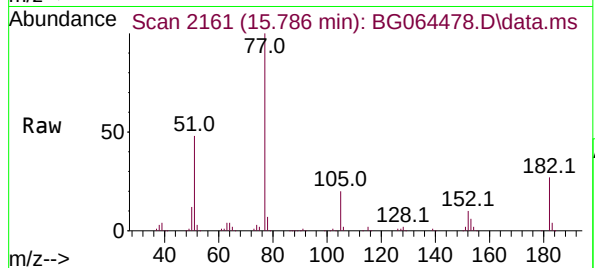
Tgt Ion:138 Resp: 67296
Ion Ratio Lower Upper
138 100
92 56.4 42.3 82.3
108 151.2 147.7 187.7





#63
Azobenzene
Concen: 49.764 ng
RT: 15.786 min Scan# 2161
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

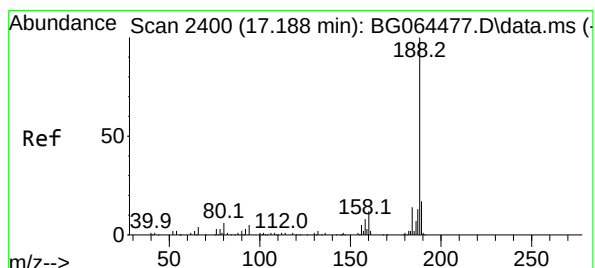
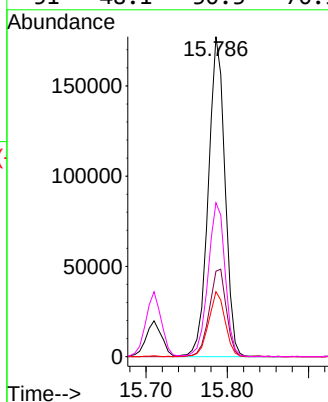
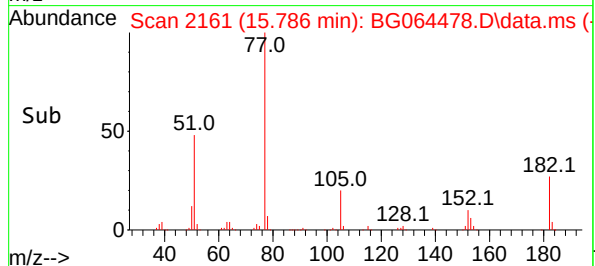
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 252408
Ion Ratio Lower Upper
77 100
182 26.7 6.3 46.3
105 20.3 0.0 38.7
51 48.1 30.3 70.3

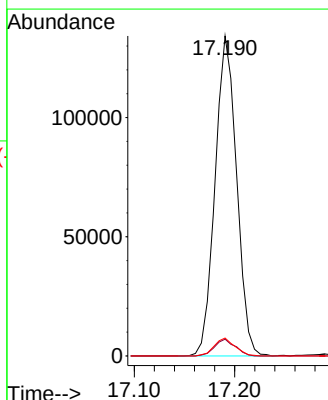
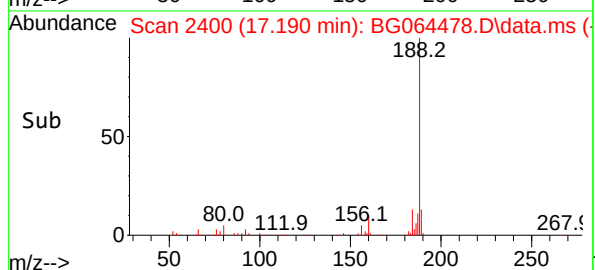
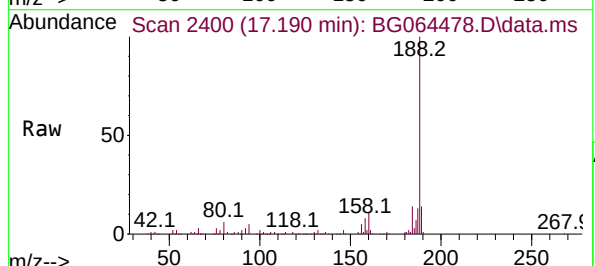
Manual Integrations
APPROVED

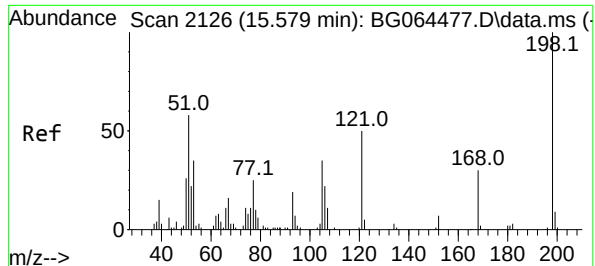
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

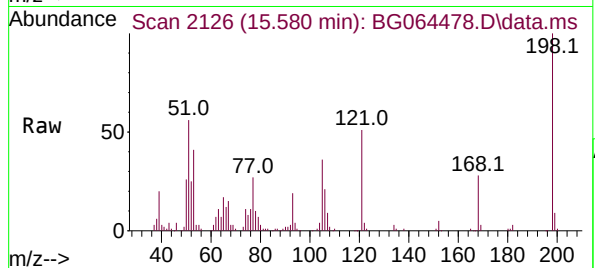
Tgt Ion:188 Resp: 200361
Ion Ratio Lower Upper
188 100
94 5.2 3.7 5.5
80 5.6 4.5 6.7





#65
4,6-Dinitro-2-methylphenol
Concen: 49.467 ng
RT: 15.580 min Scan# 2126
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

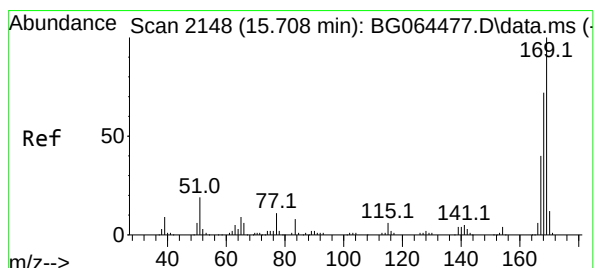
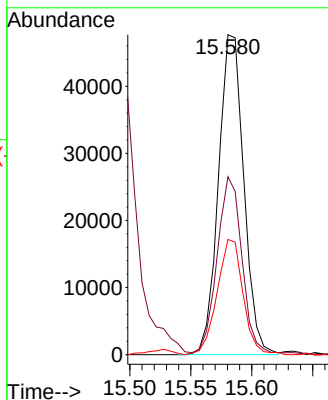
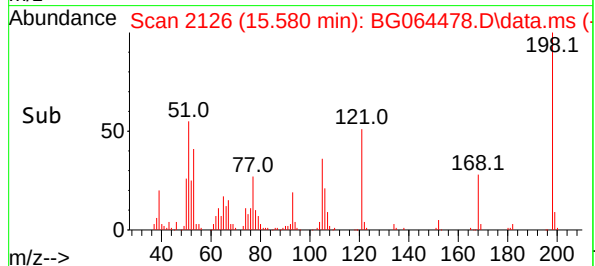
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



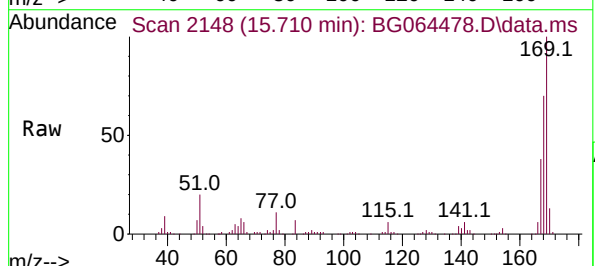
Tgt Ion:198 Resp: 69009
Ion Ratio Lower Upper
198 100
51 55.6 39.0 79.0
105 36.0 15.8 55.8

Manual Integrations
APPROVED

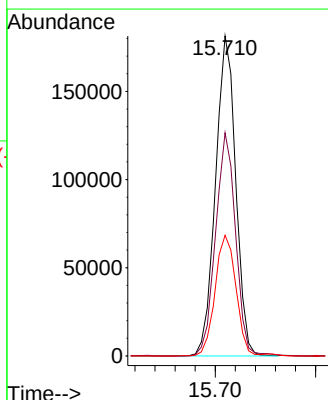
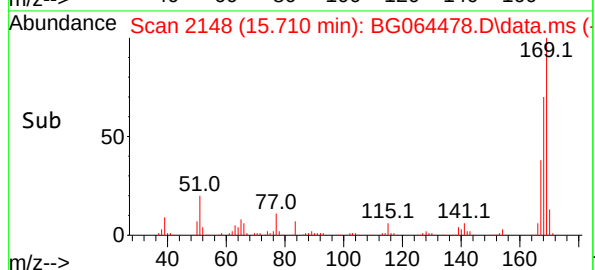
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

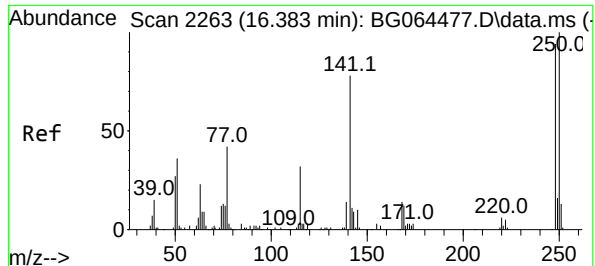


#66
n-Nitrosodiphenylamine
Concen: 47.518 ng
RT: 15.710 min Scan# 2148
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



Tgt Ion:169 Resp: 254244
Ion Ratio Lower Upper
169 100
168 69.7 57.8 86.6
167 37.7 31.7 47.5





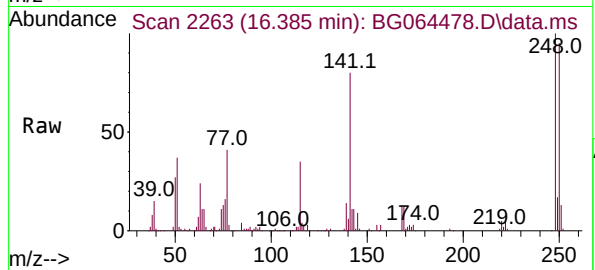
#67
4-Bromophenyl-phenylether
Concen: 47.653 ng
RT: 16.385 min Scan# 2263
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

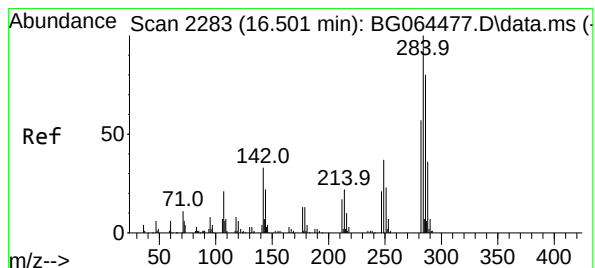
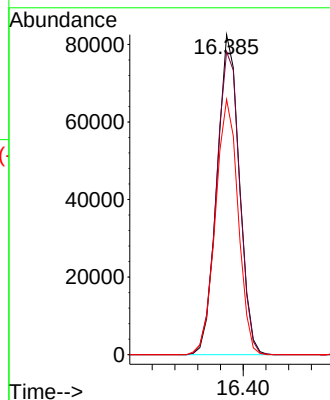
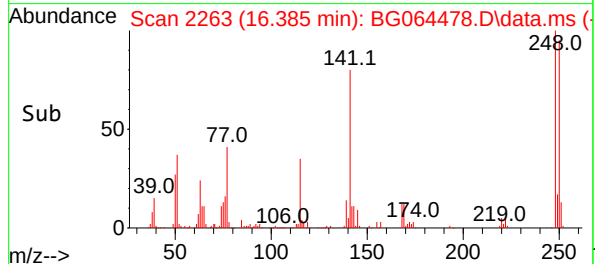


Tgt Ion:248 Resp: 112356
Ion Ratio Lower Upper
248 100
250 94.7 85.3 127.9
141 79.7 66.2 99.2

Manual Integrations

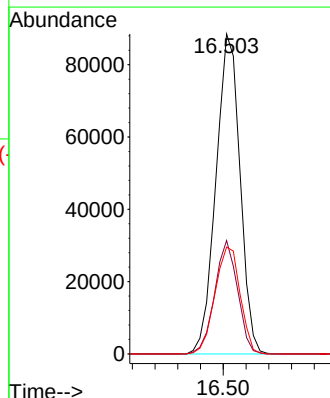
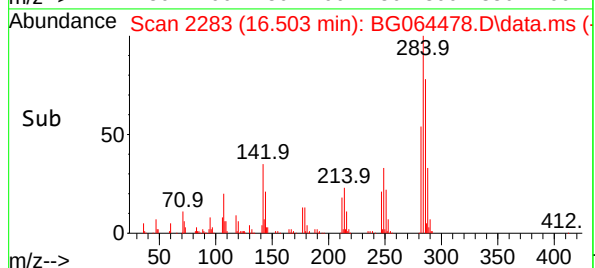
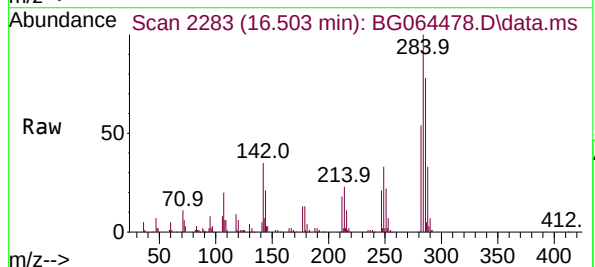
APPROVED

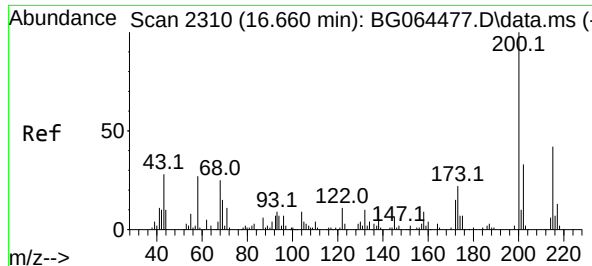
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#68
Hexachlorobenzene
Concen: 48.208 ng
RT: 16.503 min Scan# 2283
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:284 Resp: 130063
Ion Ratio Lower Upper
284 100
142 35.4 26.2 39.2
249 33.4 29.4 44.0





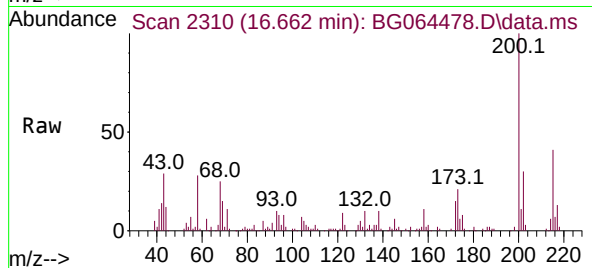
#69
 Atrazine
 Concen: 48.772 ng
 RT: 16.662 min Scan# 2310
 Delta R.T. 0.010 min
 Lab File: BG064478.D
 Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

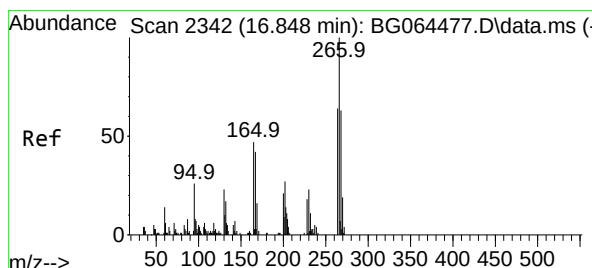
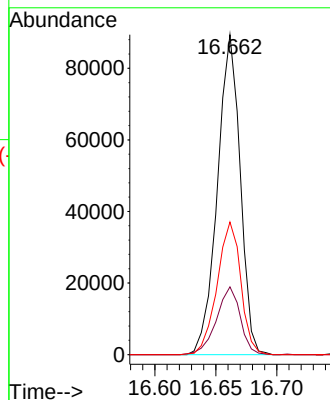
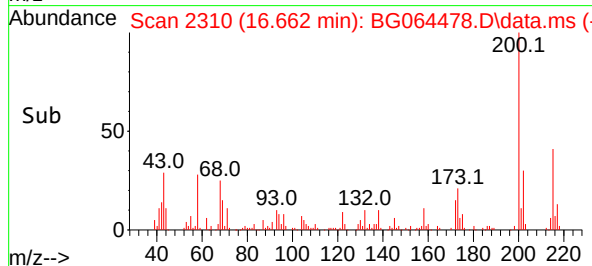


Tgt Ion:200 Resp: 116098
 Ion Ratio Lower Upper
 200 100
 173 21.2 2.5 42.5
 215 41.4 21.5 61.5

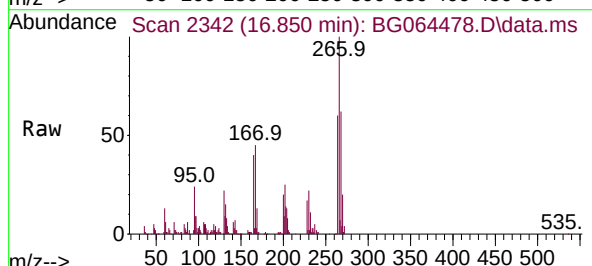
Manual Integrations

APPROVED

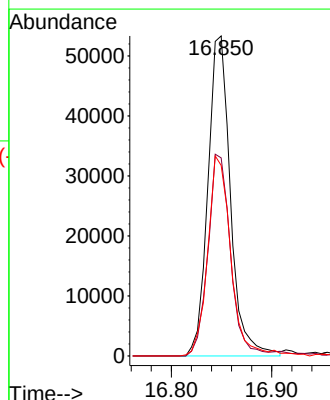
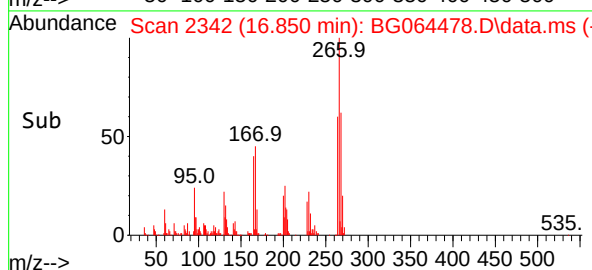
Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

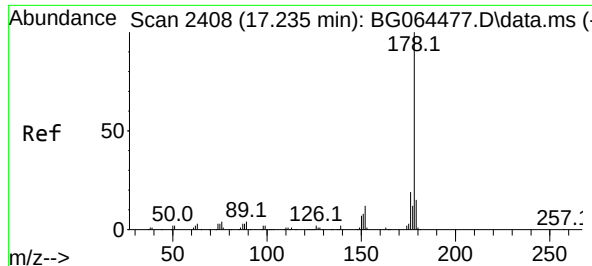


#70
 Pentachlorophenol
 Concen: 52.695 ng
 RT: 16.850 min Scan# 2342
 Delta R.T. 0.004 min
 Lab File: BG064478.D
 Acq: 2 Oct 2025 12:55



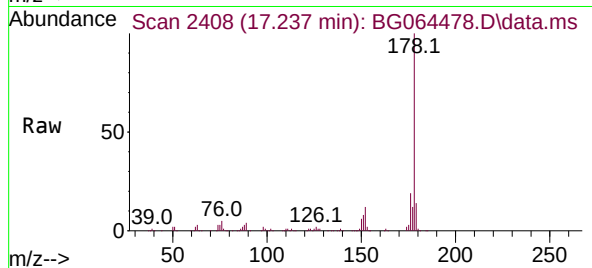
Tgt Ion:266 Resp: 83126
 Ion Ratio Lower Upper
 266 100
 268 61.9 50.6 75.8
 264 59.5 51.2 76.8





#71
Phenanthrene
Concen: 47.904 ng
RT: 17.237 min Scan# 2408
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

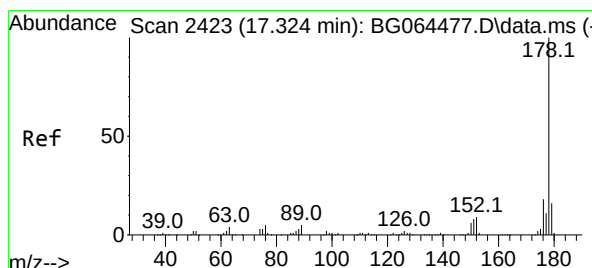
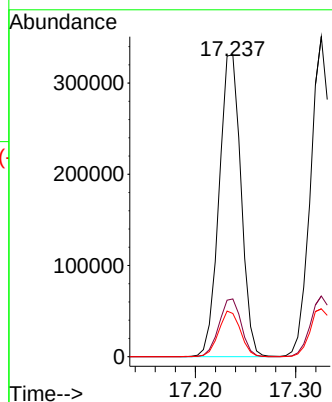
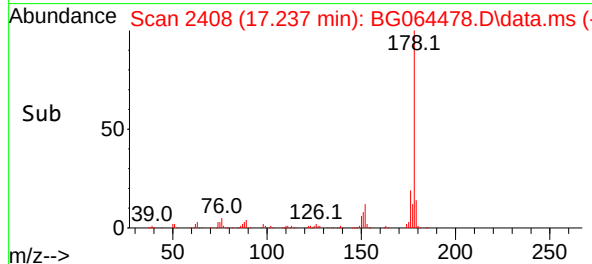
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:178 Resp: 50194
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 14.3 11.8 17.6

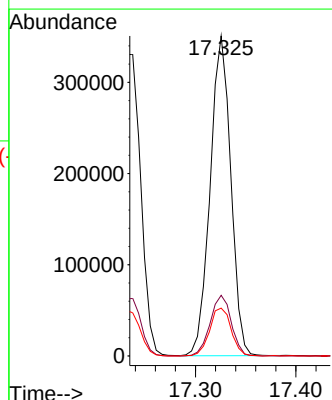
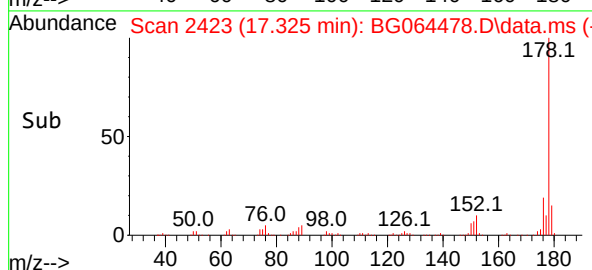
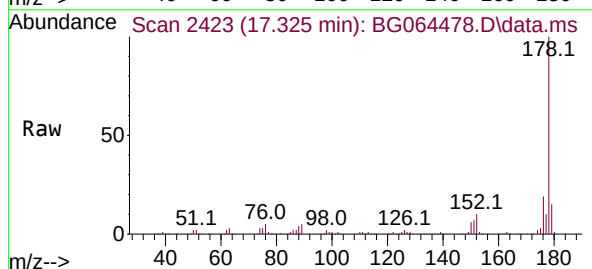
Manual Integrations
APPROVED

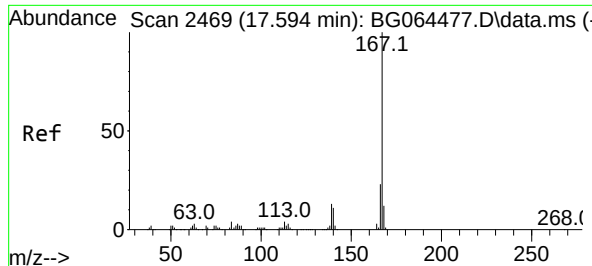
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#72
Anthracene
Concen: 47.688 ng
RT: 17.325 min Scan# 2423
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

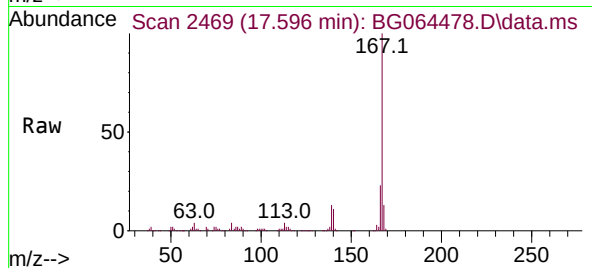
Tgt Ion:178 Resp: 501276
Ion Ratio Lower Upper
178 100
176 18.9 14.6 21.8
179 14.9 12.5 18.7





#73
Carbazole
Concen: 48.370 ng
RT: 17.596 min Scan# 2469
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

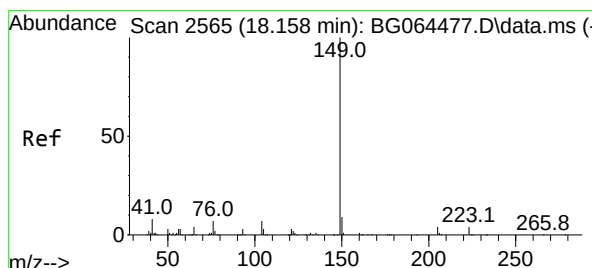
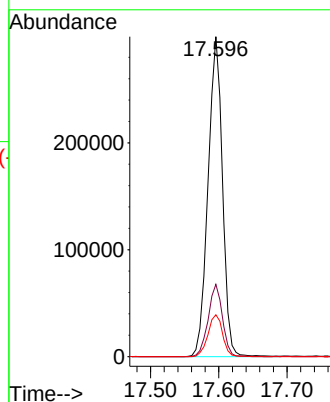
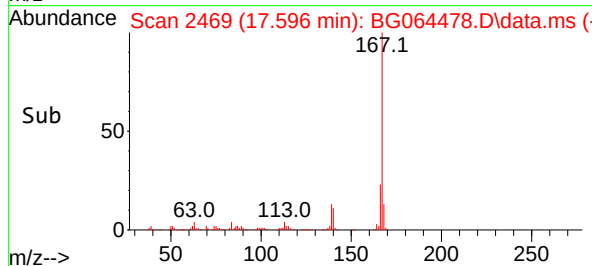
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:167 Resp: 439490
Ion Ratio Lower Upper
167 100
166 22.6 18.6 27.8
139 13.1 10.2 15.4

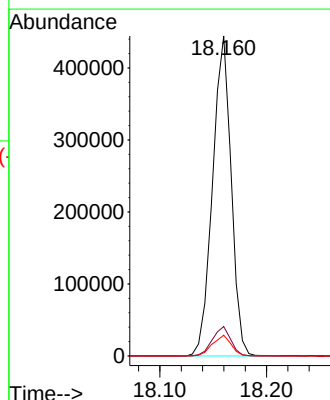
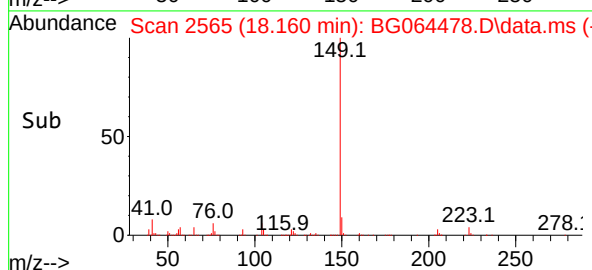
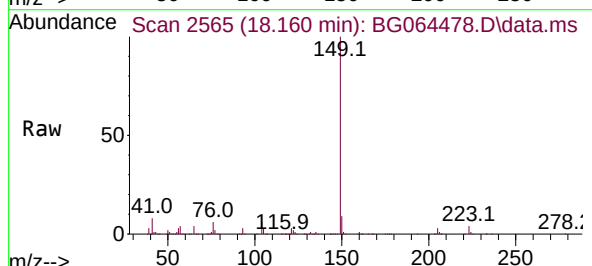
Manual Integrations
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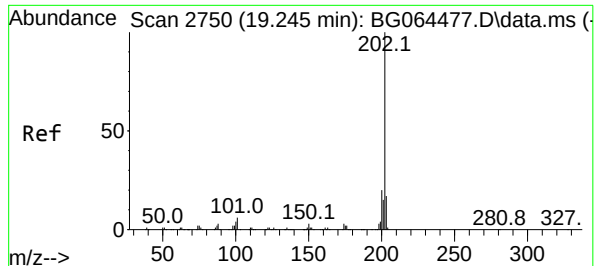
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#74
Di-n-butylphthalate
Concen: 48.585 ng
RT: 18.160 min Scan# 2565
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

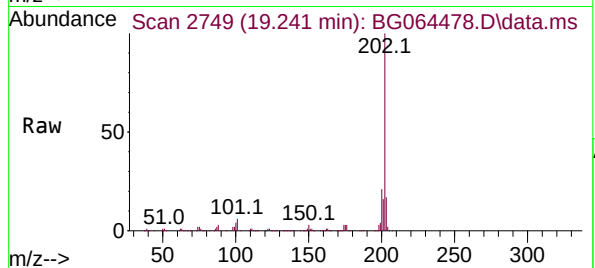
Tgt Ion:149 Resp: 538886
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 6.5 5.3 7.9





#75
Fluoranthene
Concen: 47.718 ng
RT: 19.241 min Scan# 2750
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

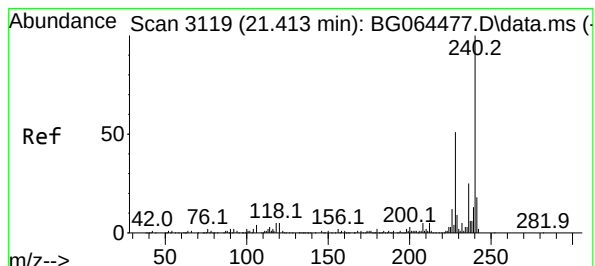
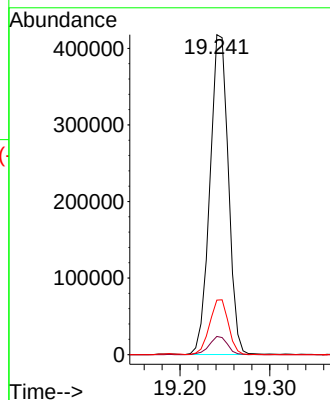
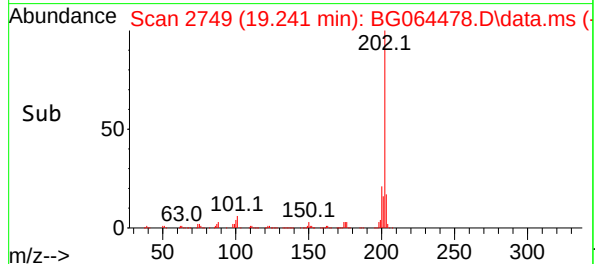
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 597309
Ion Ratio Lower Upper
202 100
101 5.7 0.0 25.7
203 17.0 0.0 36.6

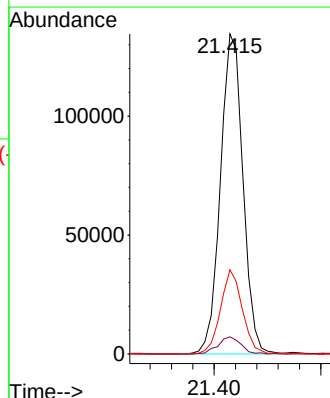
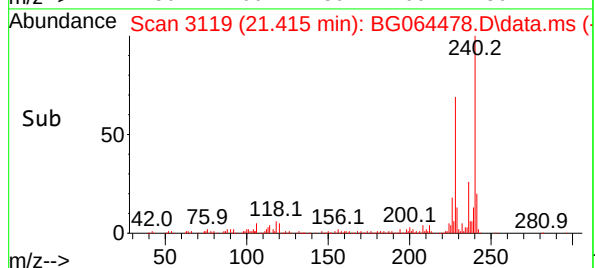
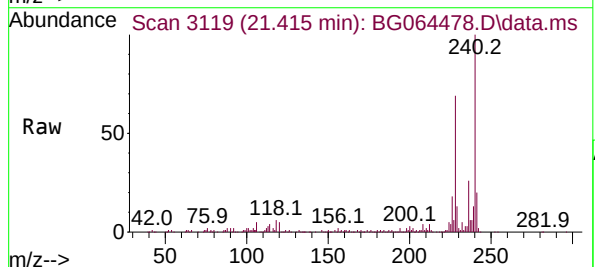
Manual Integrations
APPROVED

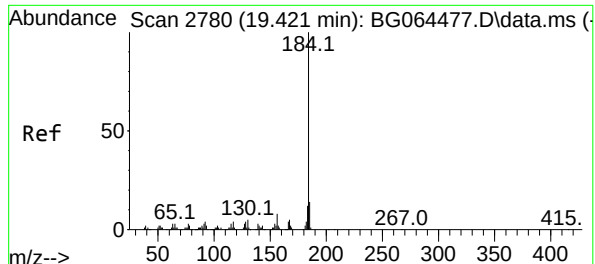
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3119
Delta R.T. 0.005 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

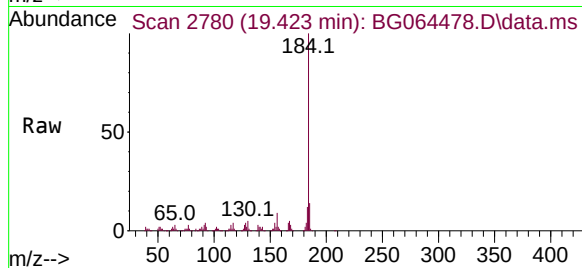
Tgt Ion:240 Resp: 197724
Ion Ratio Lower Upper
240 100
120 5.3 4.3 6.5
236 26.3 20.4 30.6





#77
Benzidine
Concen: 54.213 ng
RT: 19.423 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

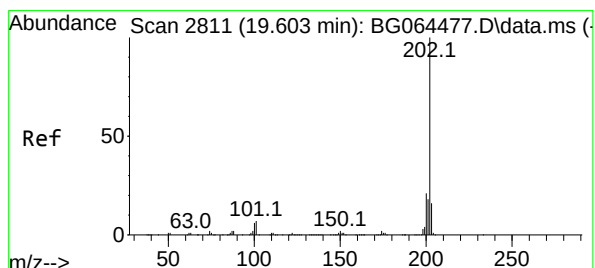
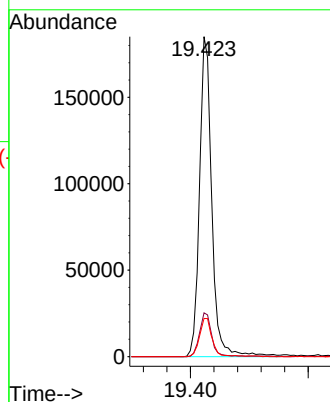
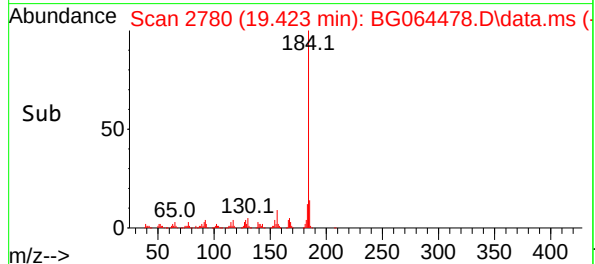
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 266730
Ion Ratio Lower Upper
184 100
185 13.7 10.9 16.3
183 11.9 9.8 14.6

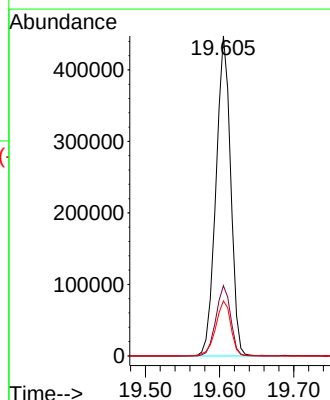
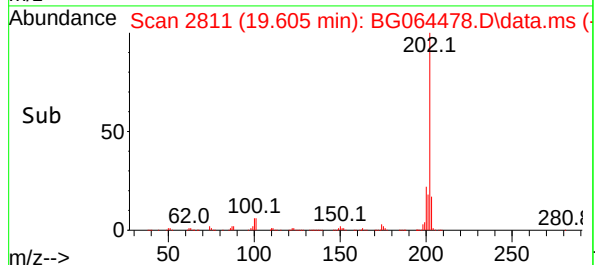
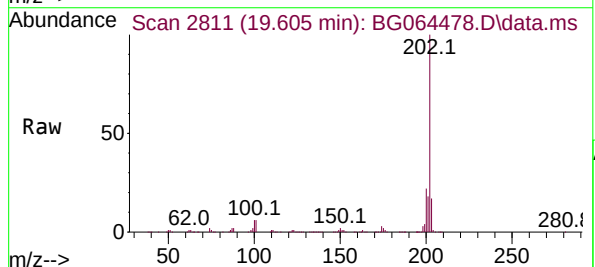
Manual Integrations
APPROVED

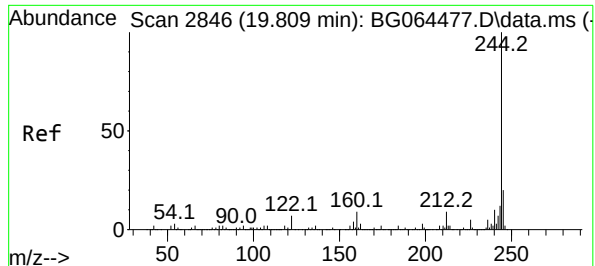
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#78
Pyrene
Concen: 47.828 ng
RT: 19.605 min Scan# 2811
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

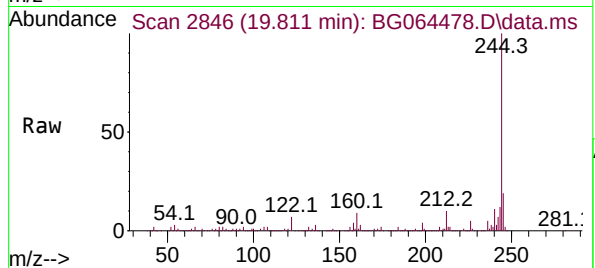
Tgt Ion:202 Resp: 613709
Ion Ratio Lower Upper
202 100
200 21.9 17.0 25.4
203 17.2 13.0 19.4





#79
Terphenyl-d14
Concen: 97.457 ng
RT: 19.811 min Scan# 2846
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

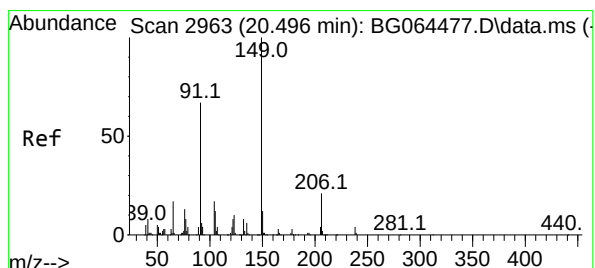
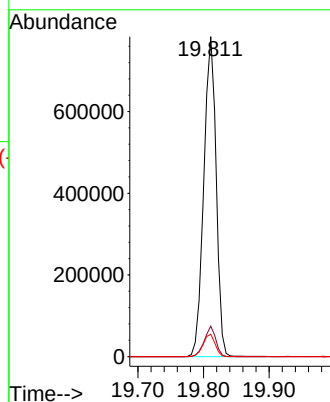
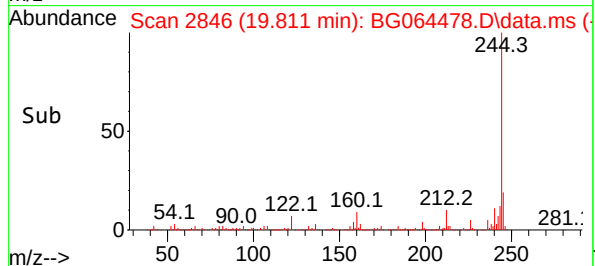
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:244 Resp: 1018211
Ion Ratio Lower Upper
244 100
212 9.5 7.0 10.6
122 7.0 5.6 8.4

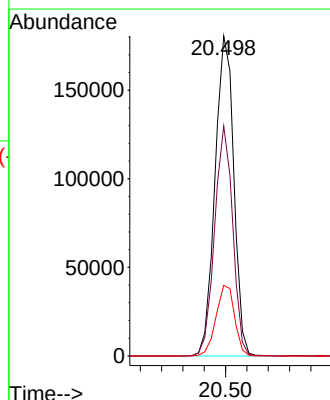
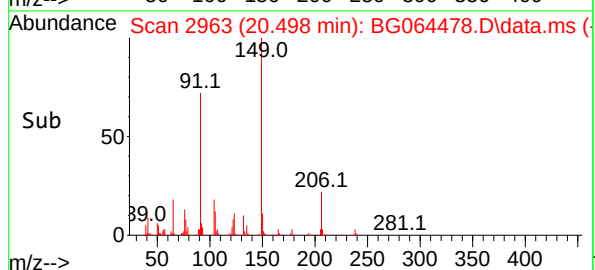
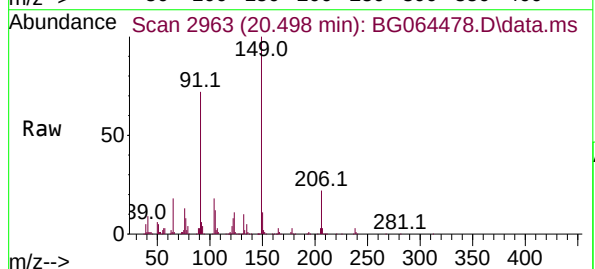
Manual Integrations
APPROVED

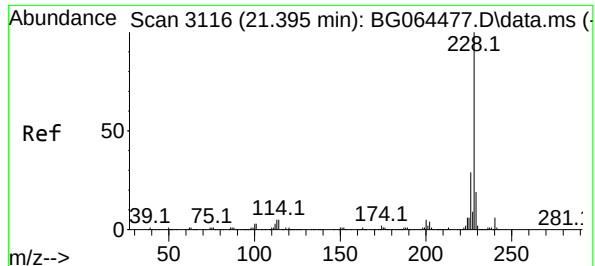
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#80
Butylbenzylphthalate
Concen: 48.623 ng
RT: 20.498 min Scan# 2963
Delta R.T. -0.001 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

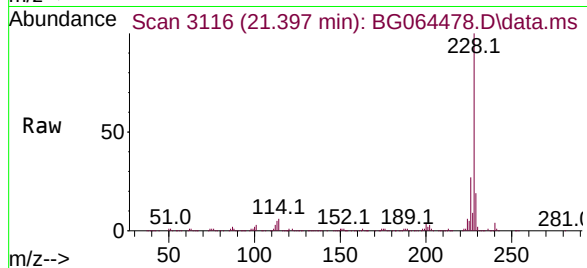
Tgt Ion:149 Resp: 221172
Ion Ratio Lower Upper
149 100
91 71.8 53.7 80.5
206 22.0 16.6 24.8





#81
Benzo(a)anthracene
Concen: 48.464 ng
RT: 21.397 min Scan# 3116
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

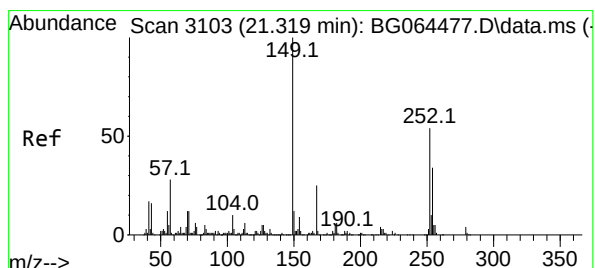
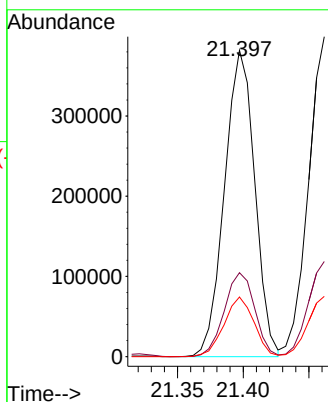
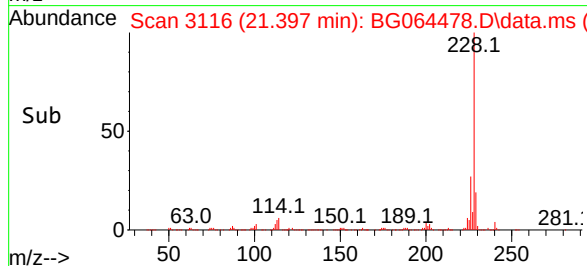
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



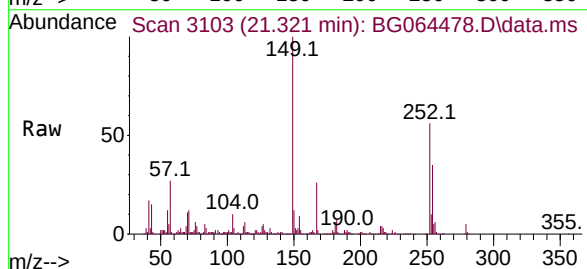
Tgt Ion:228 Resp: 611850
Ion Ratio Lower Upper
228 100
226 27.4 22.8 34.2
229 19.5 15.2 22.8

Manual Integrations
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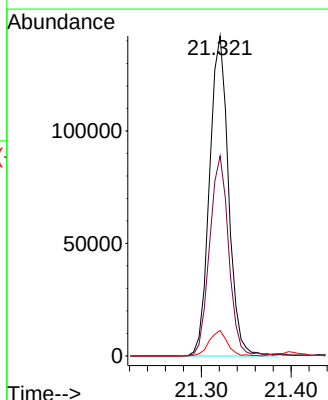
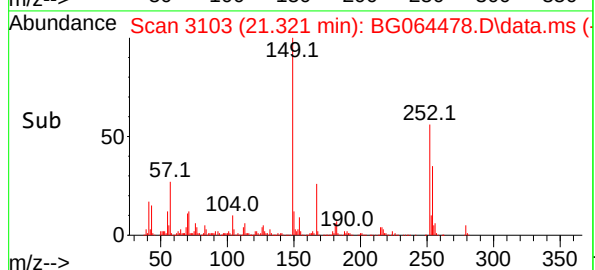
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

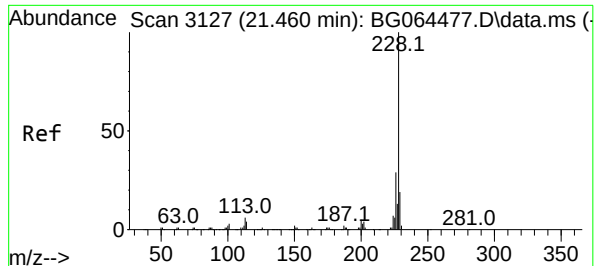


#82
3,3'-Dichlorobenzidine
Concen: 48.899 ng
RT: 21.321 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



Tgt Ion:252 Resp: 208942
Ion Ratio Lower Upper
252 100
254 62.5 50.5 75.7
126 7.9 7.1 10.7





#83

Chrysene

Concen: 48.408 ng

RT: 21.462 min Scan# 3127

Delta R.T. 0.010 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:228 Resp: 579585

Ion Ratio Lower Upper

228 100

226 29.7 22.8 34.2

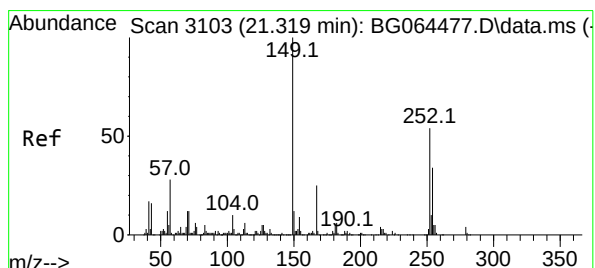
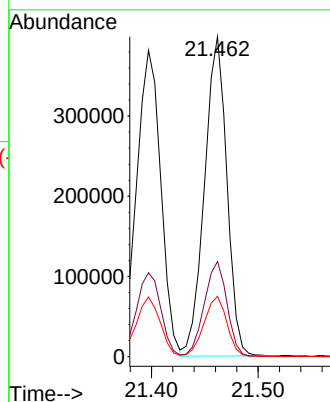
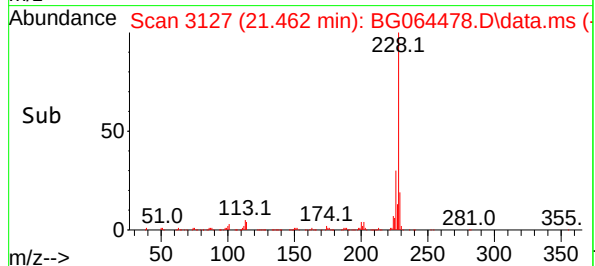
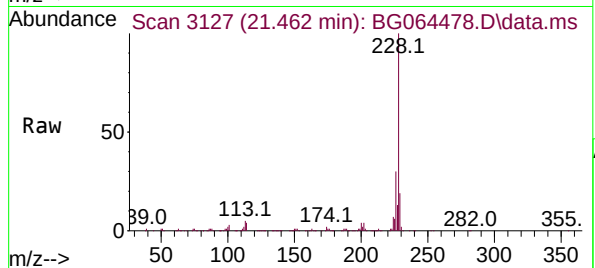
229 18.8 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.393 ng

RT: 21.321 min Scan# 3103

Delta R.T. 0.004 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

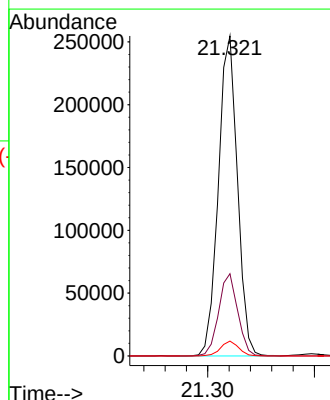
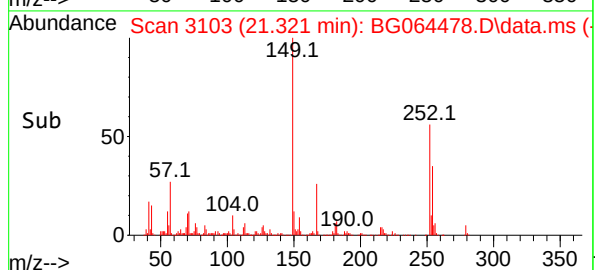
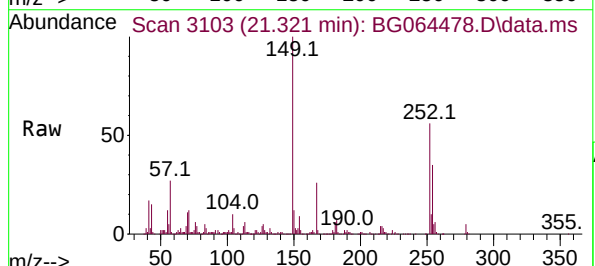
Tgt Ion:149 Resp: 317005

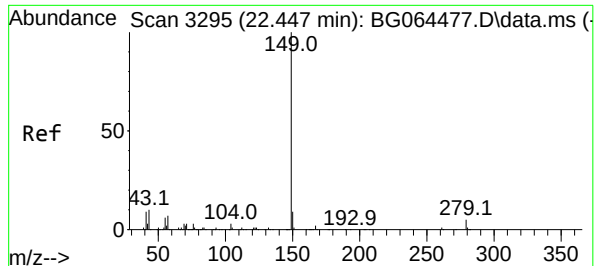
Ion Ratio Lower Upper

149 100

167 25.7 19.7 29.5

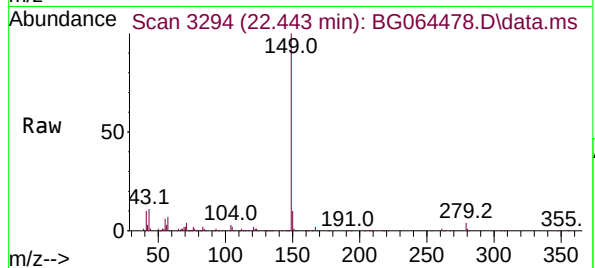
279 4.6 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 49.179 ng
RT: 22.443 min Scan# 3295
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

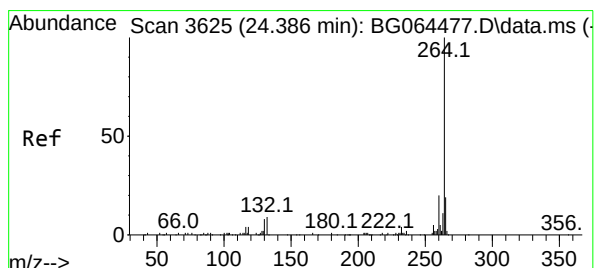
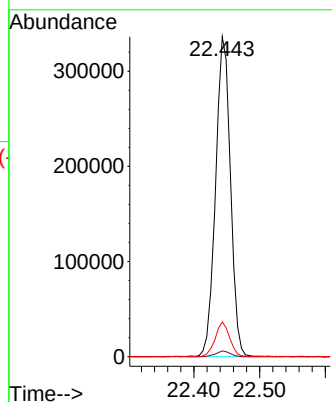
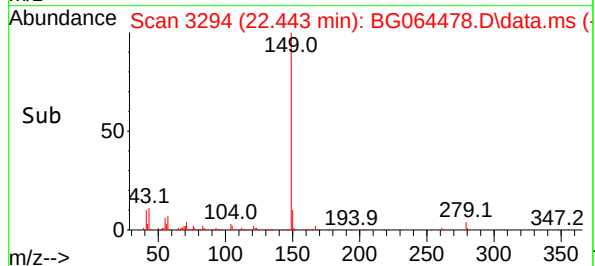
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:149 Resp: 530469
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 10.5 7.9 11.9

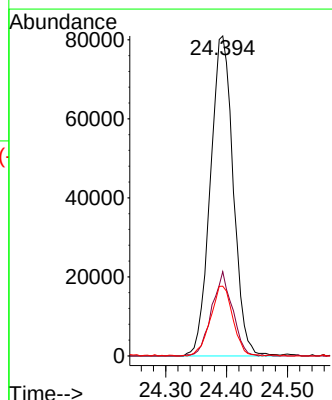
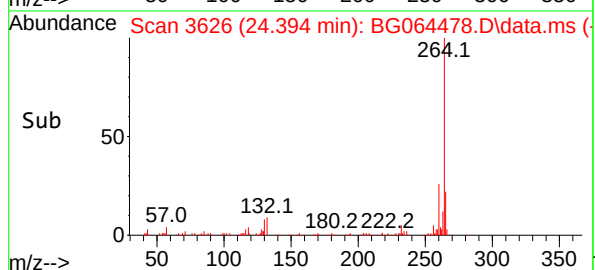
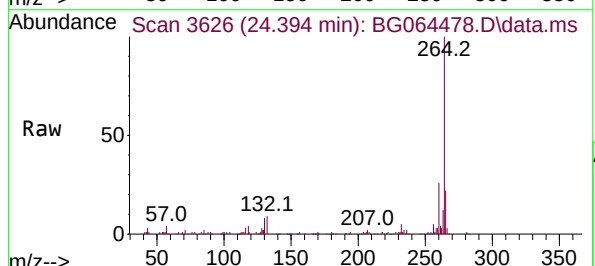
Manual Integrations
APPROVED

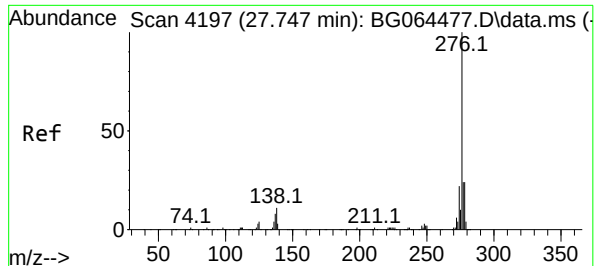
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.394 min Scan# 3626
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

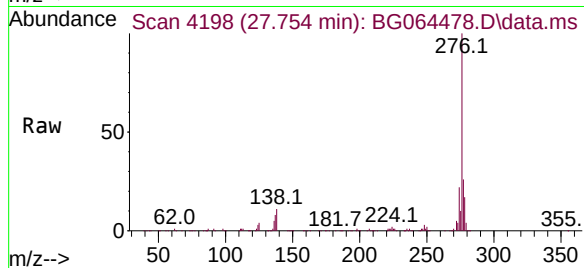
Tgt Ion:264 Resp: 211036
Ion Ratio Lower Upper
264 100
260 26.3 16.2 24.4#
265 21.8 15.0 22.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 49.822 ng
RT: 27.754 min Scan# 4198
Delta R.T. 0.022 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

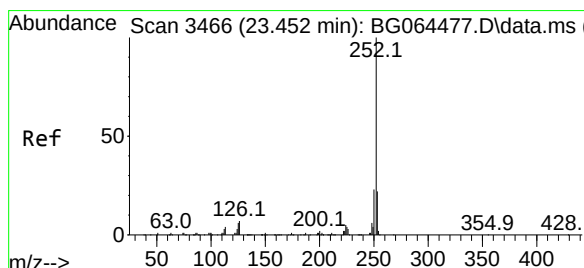
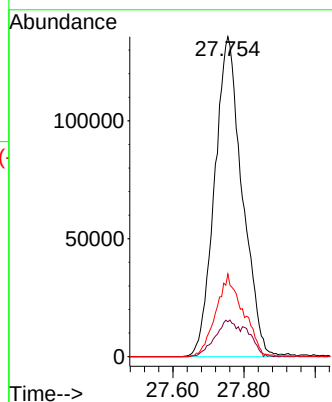
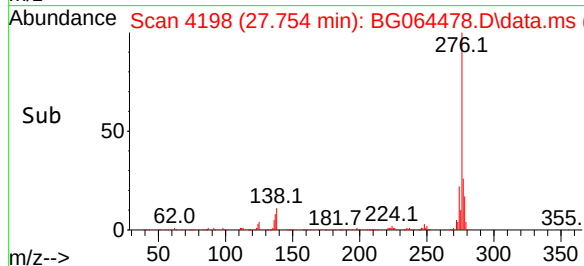
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



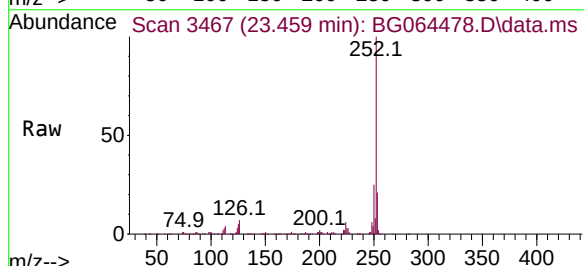
Tgt Ion:276 Resp: 731852
Ion Ratio Lower Upper
276 100
138 9.5 10.8 16.2
277 25.3 20.3 30.5

Manual Integrations
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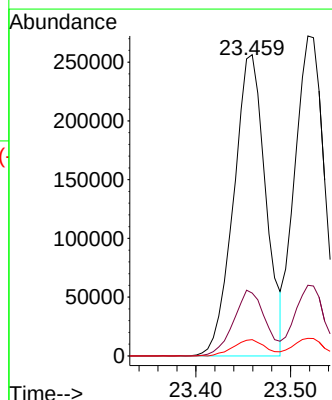
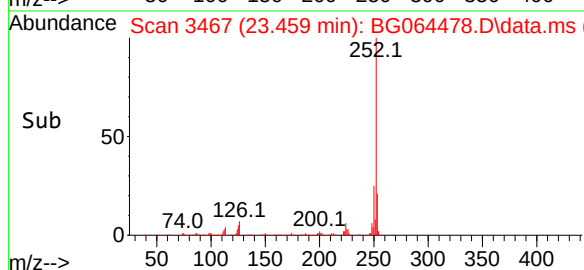
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

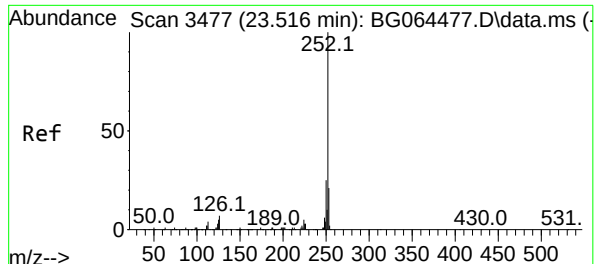


#88
Benzo(b)fluoranthene
Concen: 50.163 ng
RT: 23.459 min Scan# 3467
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55



Tgt Ion:252 Resp: 602249
Ion Ratio Lower Upper
252 100
253 20.8 17.5 26.3
125 5.4 4.5 6.7





#89

Benzo(k)fluoranthene

Concen: 49.006 ng

RT: 23.518 min Scan# 3477

Delta R.T. 0.010 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 592576

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

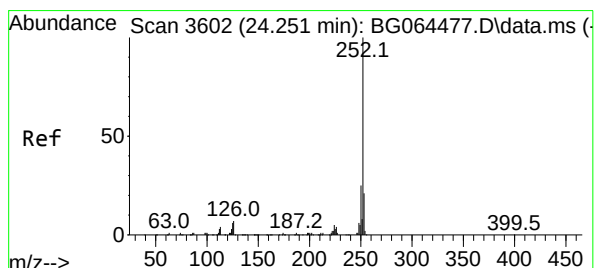
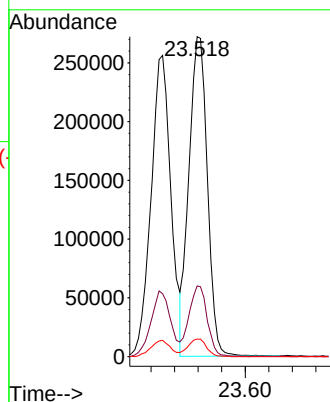
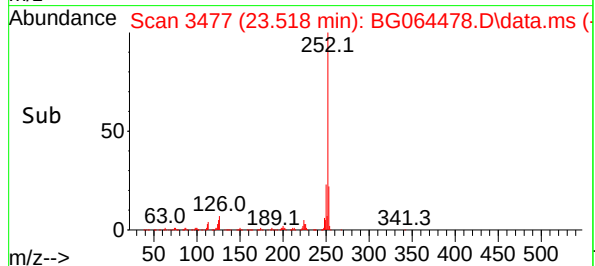
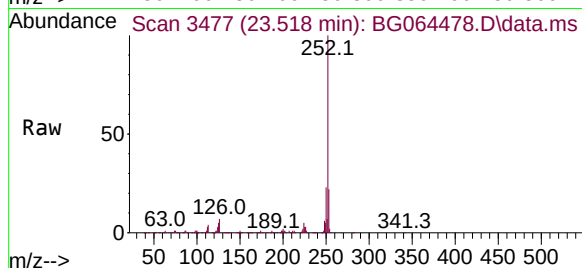
125 5.5 4.0 6.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#90

Benzo(a)pyrene

Concen: 49.152 ng

RT: 24.259 min Scan# 3603

Delta R.T. 0.010 min

Lab File: BG064478.D

Acq: 2 Oct 2025 12:55

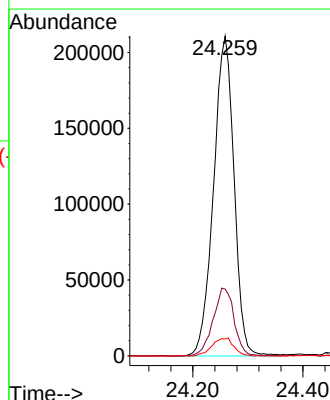
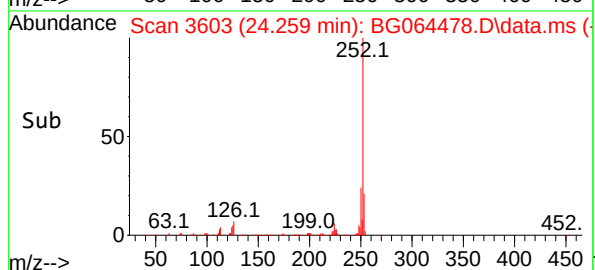
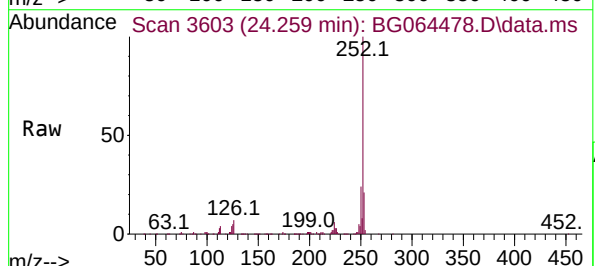
Tgt Ion:252 Resp: 543872

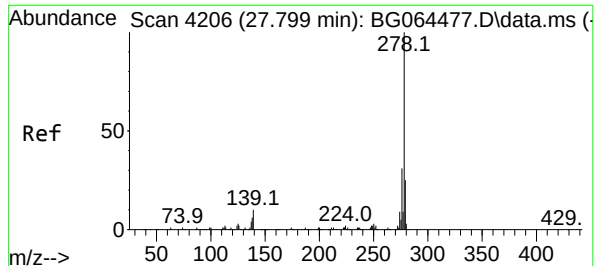
Ion Ratio Lower Upper

252 100

253 20.9 17.1 25.7

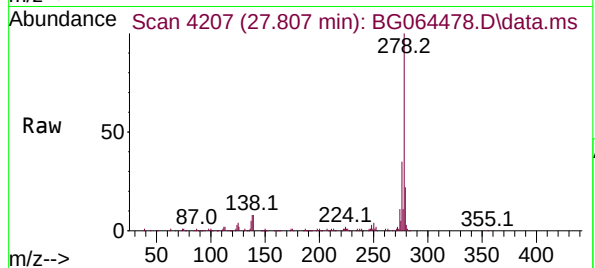
125 5.3 4.6 6.8





#91
Dibenzo(a,h)anthracene
Concen: 50.092 ng
RT: 27.807 min Scan# 41
Delta R.T. 0.028 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

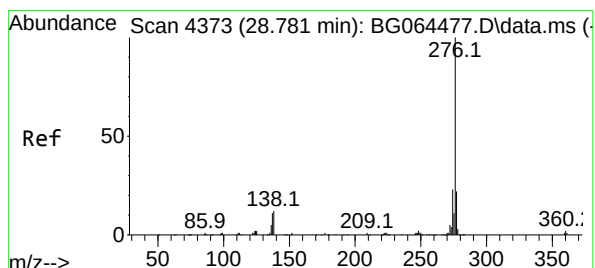
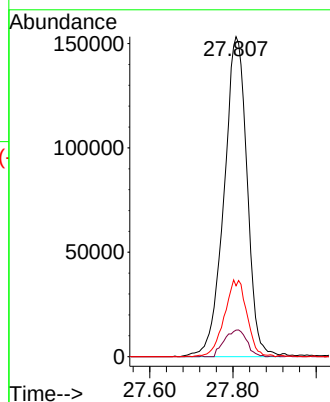
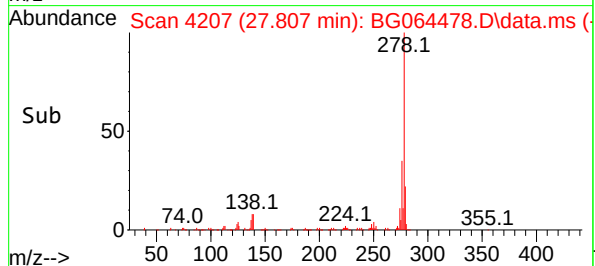
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:278 Resp: 588448
Ion Ratio Lower Upper
278 100
139 8.3 8.2 12.2
279 22.1 19.6 29.4

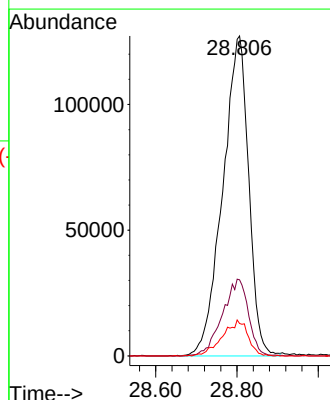
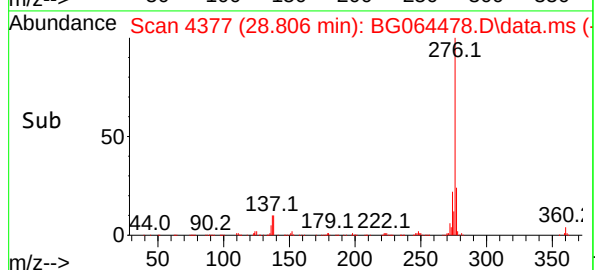
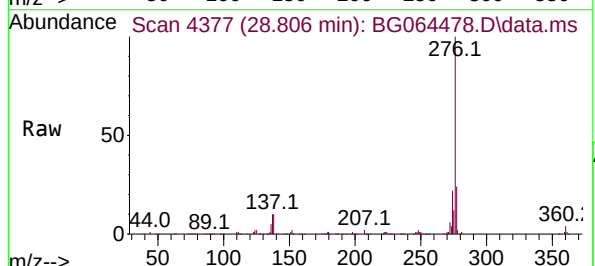
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 49.412 ng
RT: 28.806 min Scan# 4377
Delta R.T. 0.040 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:276 Resp: 564079
Ion Ratio Lower Upper
276 100
277 23.8 17.8 26.6
138 10.1 9.4 14.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064479.D
 Acq On : 2 Oct 2025 13:35
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 16:53:15 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	18157	20.000	ng	# 0.00
21) Naphthalene-d8	10.614	136	79713	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	59222	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	143075	20.000	ng	0.00
76) Chrysene-d12	21.419	240	144920	20.000	ng	0.00
86) Perylene-d12	24.386	264	155027	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	120711	123.037	ng	0.00
7) Phenol-d6	7.001	99	163006	123.636	ng	0.01
23) Nitrobenzene-d5	8.981	82	182017	122.779	ng	0.01
42) 2,4,6-Tribromophenol	15.943	330	128452	119.659	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	493573	122.847	ng	0.00
79) Terphenyl-d14	19.809	244	908174	118.598	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.328	88	21034	54.202	ng	99
3) Pyridine	3.716	79	59671	57.214	ng	90
4) n-Nitrosodimethylamine	3.634	42	45910	60.722	ng	96
6) Aniline	7.153	93	99315	59.718	ng	95
8) 2-Chlorophenol	7.394	128	72763	60.397	ng	95
9) Benzaldehyde	6.965	77	84348	72.070	ng	96
10) Phenol	7.024	94	86206	61.981	ng	96
11) bis(2-Chloroethyl)ether	7.253	93	57983	61.560	ng	92
12) 1,3-Dichlorobenzene	7.712	146	77246	58.613	ng	97
13) 1,4-Dichlorobenzene	7.858	146	77379	58.502	ng	99
14) 1,2-Dichlorobenzene	8.176	146	76212	58.463	ng	90
15) Benzyl Alcohol	8.064	79	76230	62.783	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.346	45	93010	61.262	ng	95
17) 2-Methylphenol	8.270	107	62263	61.823	ng	98
18) Hexachloroethane	8.904	117	30824	59.041	ng	90
19) n-Nitroso-di-n-propyla...	8.634	70	57095	64.752	ng	98
20) 3+4-Methylphenols	8.599	107	88330	62.850	ng	94
22) Acetophenone	8.646	105	118355	61.322	ng	96
24) Nitrobenzene	9.022	77	90145	60.977	ng	99
25) Isophorone	9.545	82	163941	61.043	ng	# 96
26) 2-Nitrophenol	9.727	139	44985	61.140	ng	98
27) 2,4-Dimethylphenol	9.791	122	71145	63.308	ng	97
28) bis(2-Chloroethoxy)met...	10.027	93	84101	61.433	ng	98
29) 2,4-Dichlorophenol	10.262	162	80390	61.860	ng	95
30) 1,2,4-Trichlorobenzene	10.479	180	83491	58.922	ng	94
31) Naphthalene	10.661	128	248965	60.652	ng	99
32) Benzoic acid	9.974	122	57724m	66.902	ng	
33) 4-Chloroaniline	10.767	127	97069	61.625	ng	98
34) Hexachlorobutadiene	10.949	225	71767	59.141	ng	98
35) Caprolactam	11.554	113	26379	59.294	ng	92
36) 4-Chloro-3-methylphenol	11.901	107	96815	61.261	ng	98
37) 2-Methylnaphthalene	12.271	142	190996	60.616	ng	99
38) 1-Methylnaphthalene	12.494	142	187504	59.679	ng	99
40) 1,2,4,5-Tetrachloroben...	12.641	216	120531	63.034	ng	99
41) Hexachlorocyclopentadiene	12.623	237	67135	67.119	ng	92
43) 2,4,6-Trichlorophenol	12.888	196	77492	63.395	ng	94

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064479.D
 Acq On : 2 Oct 2025 13:35
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 16:53:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.958	196	84004	61.556	ng	95
46) 1,1'-Biphenyl	13.287	154	263596	61.885	ng	98
47) 2-Chloronaphthalene	13.329	162	196507	61.791	ng	99
48) 2-Nitroaniline	13.528	65	68465	63.078	ng	96
49) Acenaphthylene	14.175	152	291016	61.645	ng	97
50) Dimethylphthalate	13.910	163	281798	60.755	ng	98
51) 2,6-Dinitrotoluene	14.028	165	61222	63.363	ng	95
52) Acenaphthene	14.515	154	202179	61.643	ng	97
53) 3-Nitroaniline	14.363	138	53857	60.440	ng	94
54) 2,4-Dinitrophenol	14.562	184	40673	58.053	ng	# 84
55) Dibenzofuran	14.850	168	332668	61.429	ng	98
56) 4-Nitrophenol	14.674	139	44975	64.107	ng	89
57) 2,4-Dinitrotoluene	14.821	165	89912	60.873	ng	99
58) Fluorene	15.502	166	272106	60.439	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.079	232	87720	62.984	ng	98
60) Diethylphthalate	15.279	149	295396	59.367	ng	96
61) 4-Chlorophenyl-phenyle...	15.497	204	145541	59.213	ng	97
62) 4-Nitroaniline	15.526	138	60477	65.117	ng	88
63) Azobenzene	15.784	77	229063	59.443	ng	98
65) 4,6-Dinitro-2-methylph...	15.585	198	62295	62.533	ng	94
66) n-Nitrosodiphenylamine	15.708	169	232383	60.822	ng	96
67) 4-Bromophenyl-phenylether	16.384	248	101659	60.380	ng	97
68) Hexachlorobenzene	16.501	284	120060	62.318	ng	96
69) Atrazine	16.660	200	102498	60.299	ng	98
70) Pentachlorophenol	16.848	266	72916	64.730	ng	99
71) Phenanthrene	17.236	178	450582	60.221	ng	98
72) Anthracene	17.324	178	458626	61.100	ng	99
73) Carbazole	17.594	167	395523	60.961	ng	97
74) Di-n-butylphthalate	18.158	149	485256	61.267	ng	100
75) Fluoranthene	19.245	202	537693	60.154	ng	99
77) Benzidine	19.427	184	270028	74.880	ng	100
78) Pyrene	19.604	202	556837	59.207	ng	98
80) Butylbenzylphthalate	20.497	149	208125	62.426	ng	98
81) Benzo(a)anthracene	21.396	228	561451	60.676	ng	99
82) 3,3'-Dichlorobenzidine	21.319	252	192733	61.540	ng	97
83) Chrysene	21.460	228	525893	59.928	ng	97
84) Bis(2-ethylhexyl)phtha...	21.319	149	291329	61.932	ng	95
85) Di-n-octyl phthalate	22.447	149	489220	61.881	ng	99
87) Indeno(1,2,3-cd)pyrene	27.747	276	665573	61.679	ng	# 95
88) Benzo(b)fluoranthene	23.452	252	543592	61.635	ng	99
89) Benzo(k)fluoranthene	23.517	252	537854	60.551	ng	100
90) Benzo(a)pyrene	24.257	252	500159	61.533	ng	98
91) Dibenzo(a,h)anthracene	27.806	278	535408	62.043	ng	97
92) Benzo(g,h,i)perylene	28.799	276	513293	61.207	ng	98

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

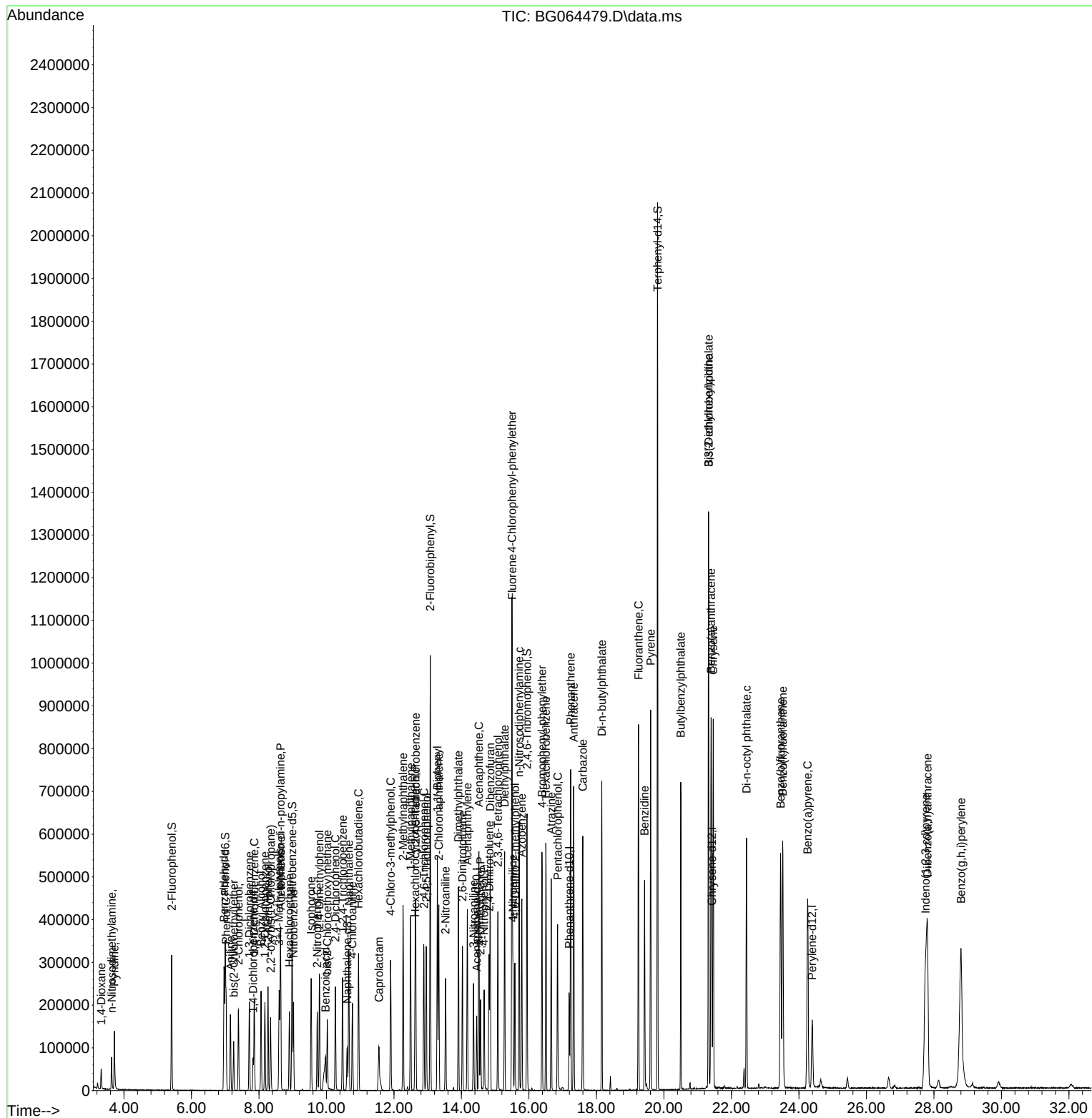
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Data File : BG064479.D
Acq On : 2 Oct 2025 13:35
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

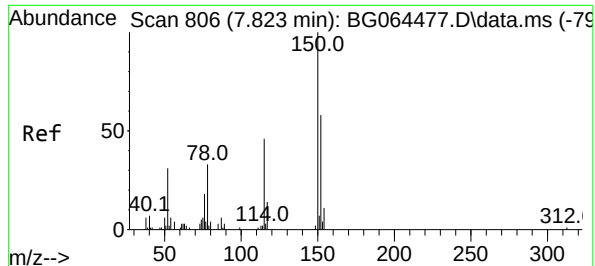
Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

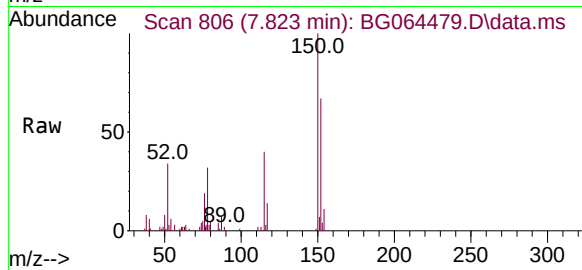
Quant Time: Oct 02 16:53:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

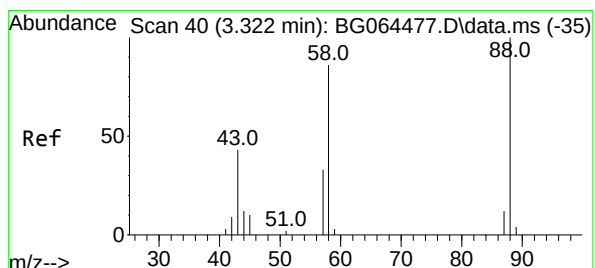
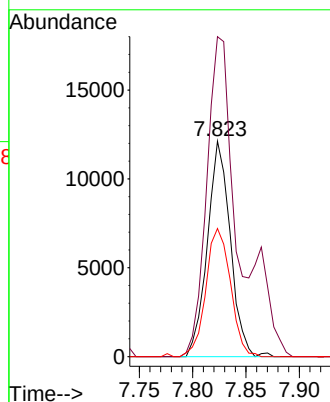
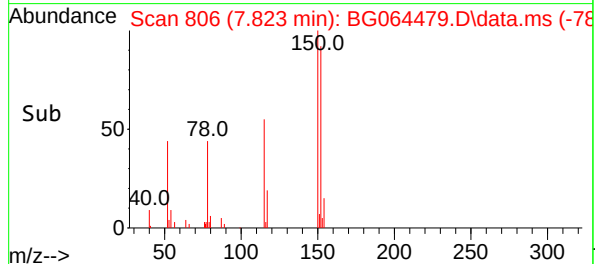
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:152 Resp: 1815
Ion Ratio Lower Upper
152 100
150 148.6 138.6 207.8
115 59.5 63.4 95.2

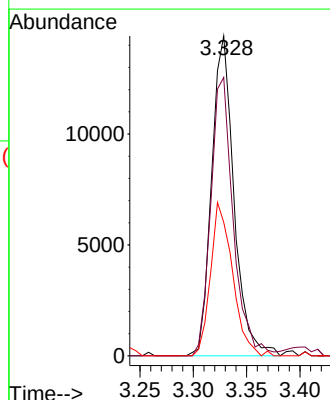
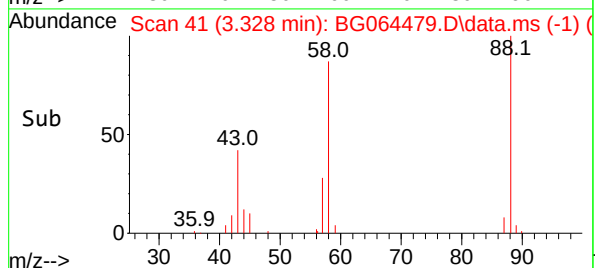
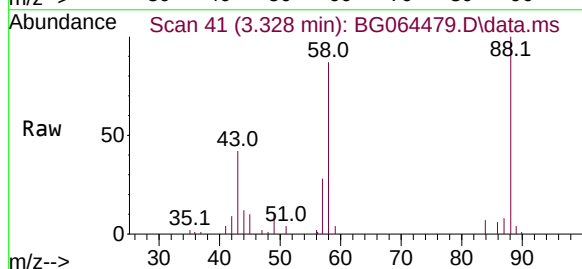
Manual Integrations
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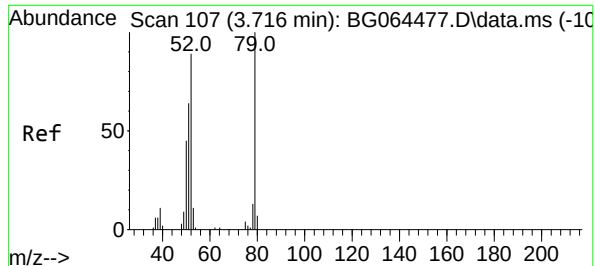
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#2
1,4-Dioxane
Concen: 54.202 ng
RT: 3.328 min Scan# 41
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 88 Resp: 21034
Ion Ratio Lower Upper
88 100
58 87.6 69.8 104.6
43 47.3 37.4 56.0





#3

Pyridine

Concen: 57.214 ng

RT: 3.716 min Scan# 10

Delta R.T. 0.003 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 5967

Ion Ratio Lower Upper

79 100

52 99.0 71.0 106.4

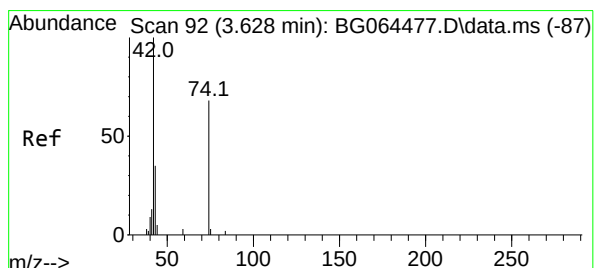
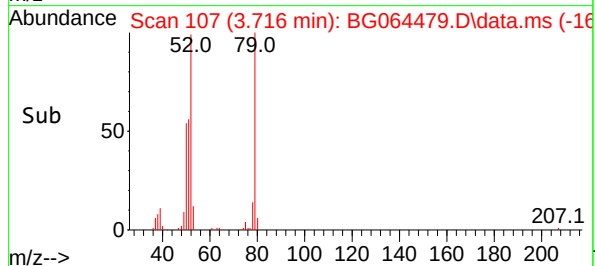
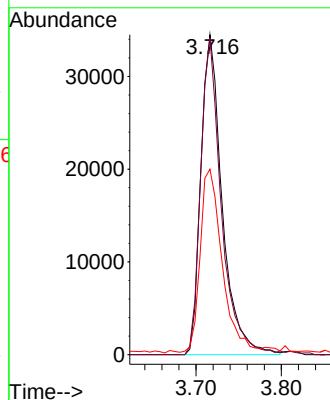
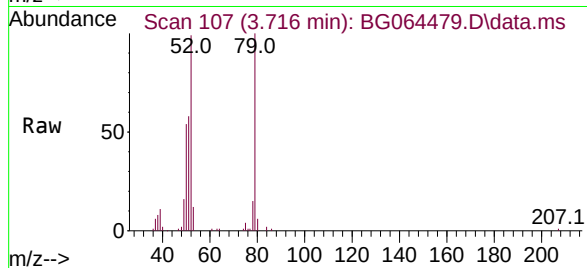
51 58.0 51.0 76.6

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Supervised By :Jagrut Upadhyay 10/03/2025



#4

n-Nitrosodimethylamine

Concen: 60.722 ng

RT: 3.634 min Scan# 93

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

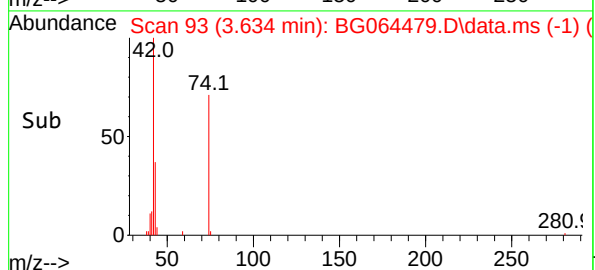
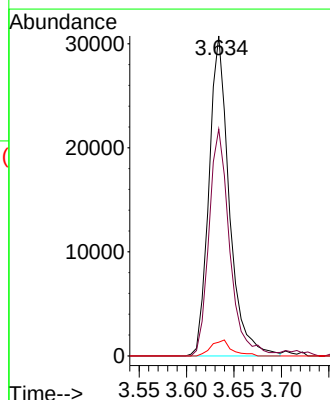
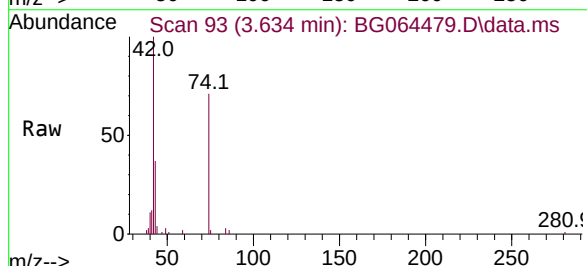
Tgt Ion: 42 Resp: 45910

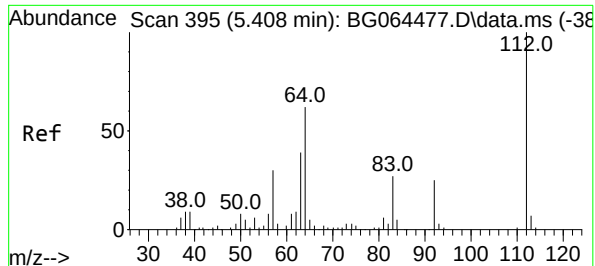
Ion Ratio Lower Upper

42 100

74 70.9 54.2 81.4

44 4.3 4.2 6.2





#5

2-Fluorophenol

Concen: 123.037 ng

RT: 5.414 min Scan# 395

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:112 Resp: 12071

Ion Ratio Lower Upper

112 100

64 57.3 49.8 74.8

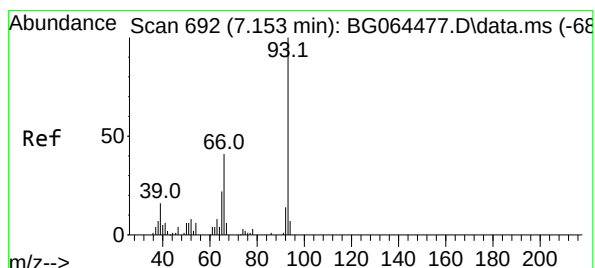
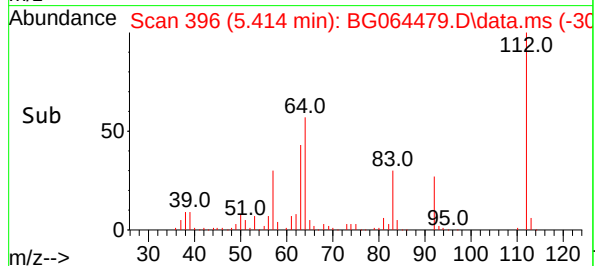
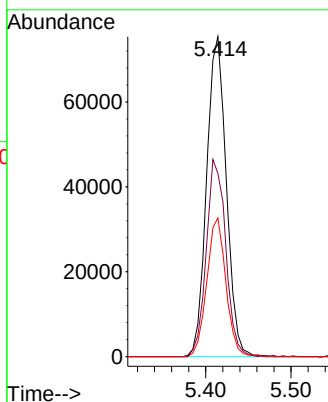
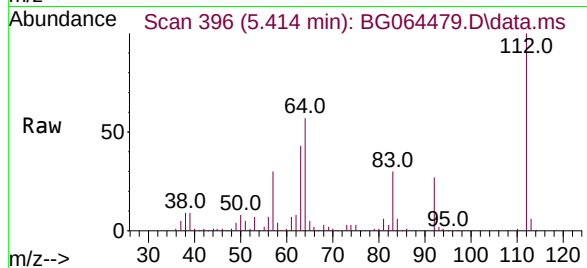
63 43.4 31.3 46.9

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Supervised By :Jagrut Upadhyay 10/03/2025



#6

Aniline

Concen: 59.718 ng

RT: 7.153 min Scan# 692

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

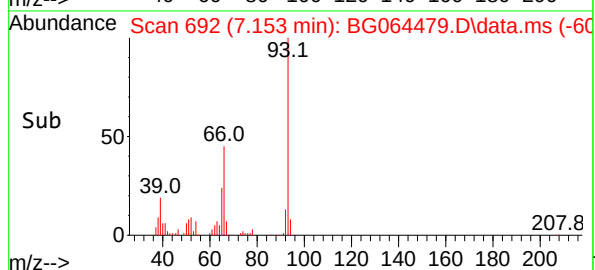
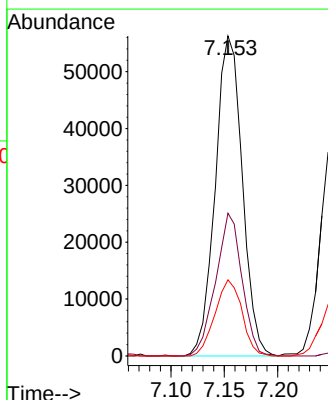
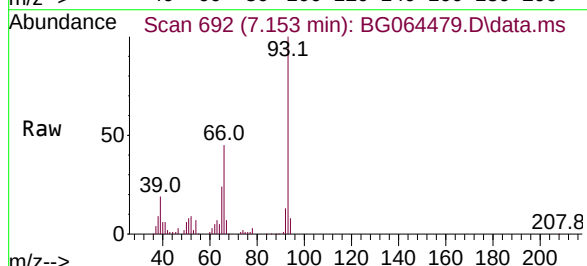
Tgt Ion: 93 Resp: 99315

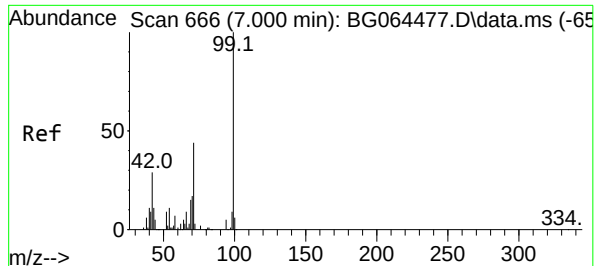
Ion Ratio Lower Upper

93 100

66 44.6 33.0 49.4

65 23.8 17.5 26.3





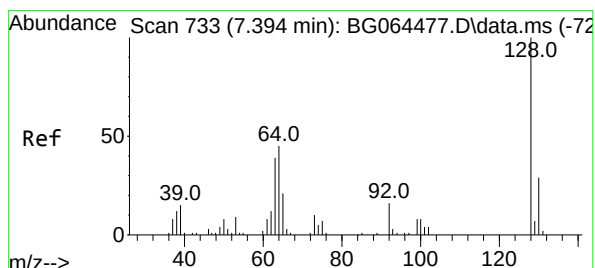
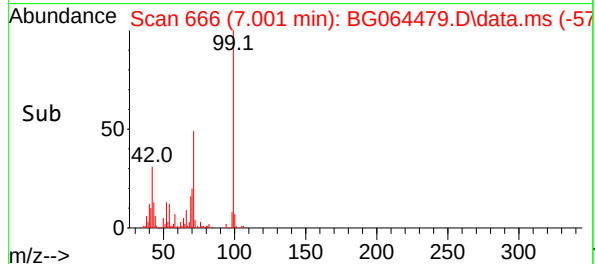
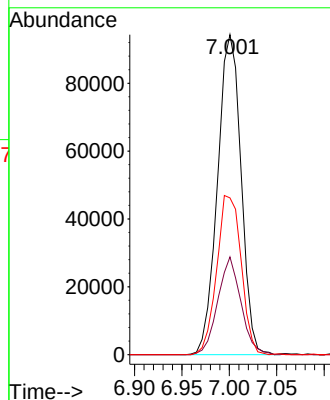
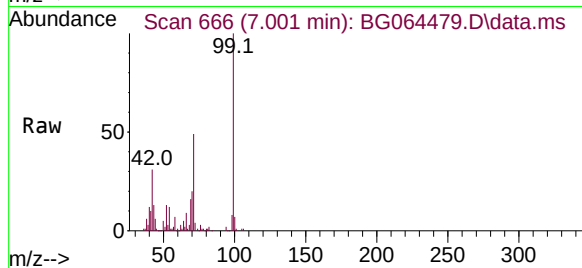
#7
Phenol-d6
Concen: 123.636 ng
RT: 7.001 min Scan# 60
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 163006
Ion Ratio Lower Upper
99 100
42 30.5 22.9 34.3
71 49.0 35.4 53.2

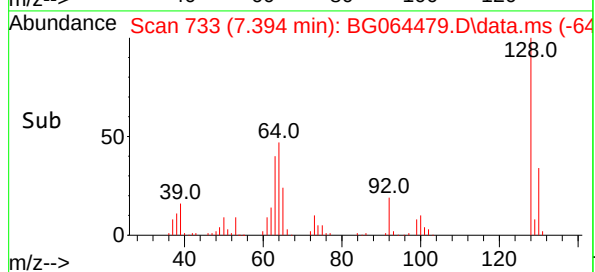
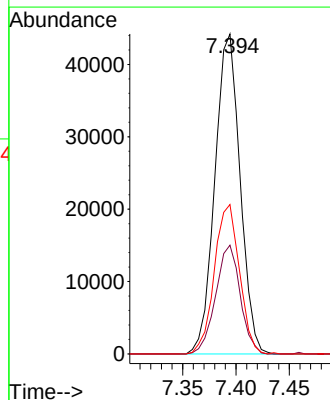
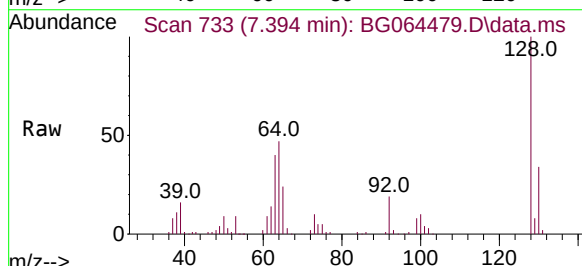
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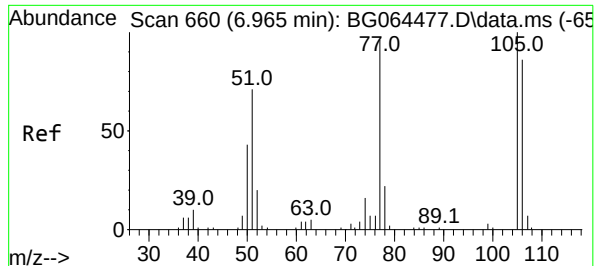
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#8
2-Chlorophenol
Concen: 60.397 ng
RT: 7.394 min Scan# 733
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:128 Resp: 72763
Ion Ratio Lower Upper
128 100
130 34.0 9.2 49.2
64 46.7 25.5 65.5





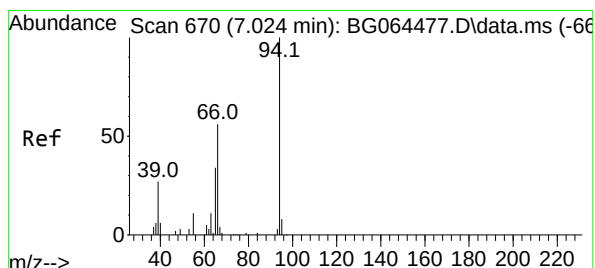
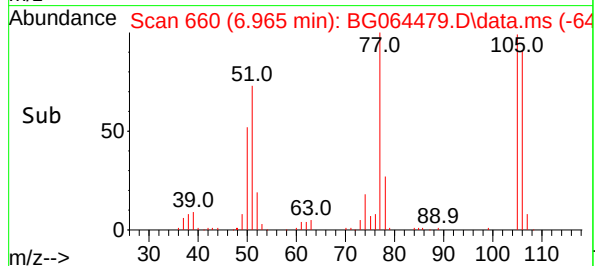
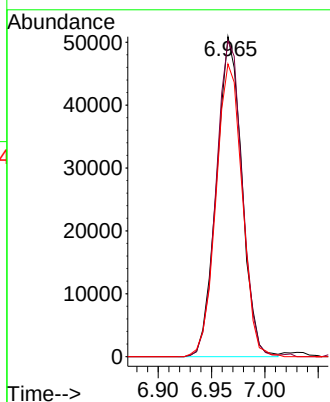
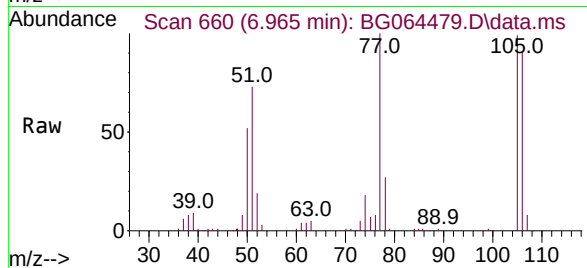
#9
Benzaldehyde
Concen: 72.070 ng
RT: 6.965 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 84348
Ion Ratio Lower Upper
77 100
105 98.6 83.7 123.7
106 91.4 69.4 109.4

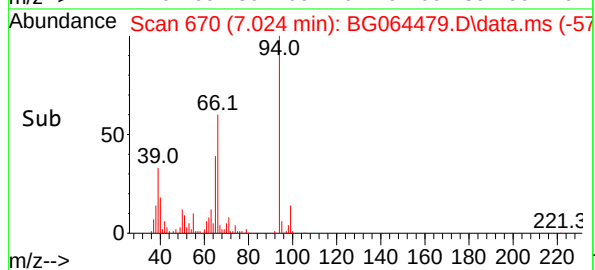
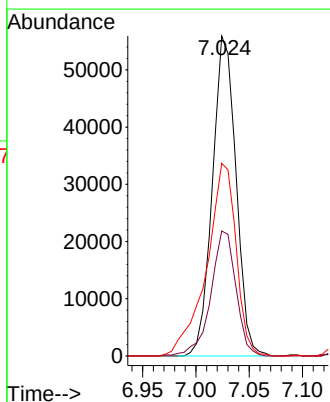
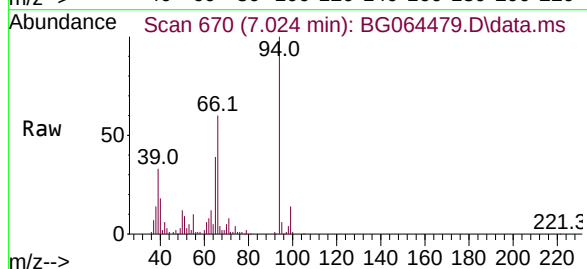
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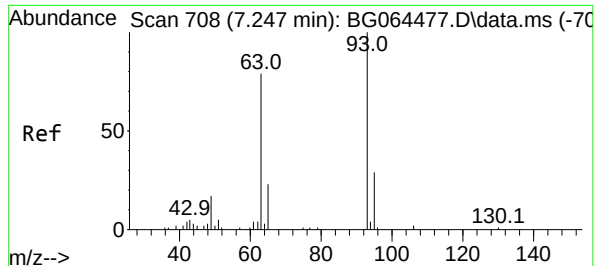
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#10
Phenol
Concen: 61.981 ng
RT: 7.024 min Scan# 670
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 94 Resp: 86206
Ion Ratio Lower Upper
94 100
65 39.0 14.8 54.8
66 60.2 41.4 81.4





#11

bis(2-Chloroethyl)ether

Concen: 61.560 ng

RT: 7.253 min Scan# 708

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion: 93 Resp: 57983

Ion Ratio Lower Upper

93 100

63 70.8 59.5 99.5

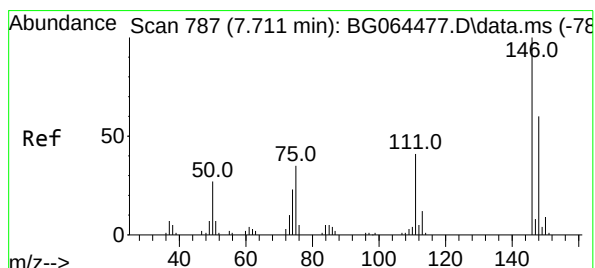
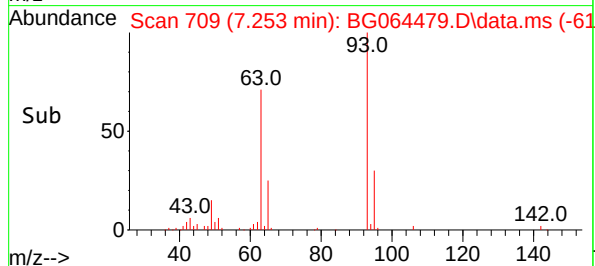
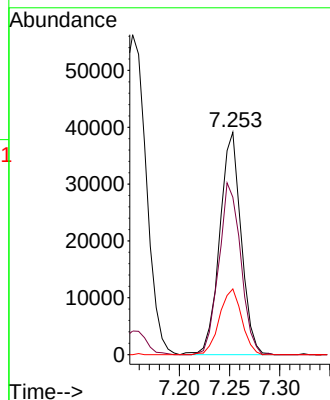
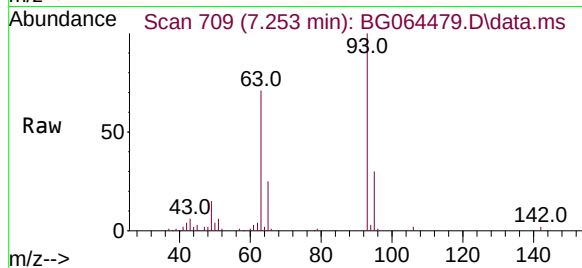
95 29.6 8.8 48.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/03/2025



#12

1,3-Dichlorobenzene

Concen: 58.613 ng

RT: 7.712 min Scan# 787

Delta R.T. 0.003 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

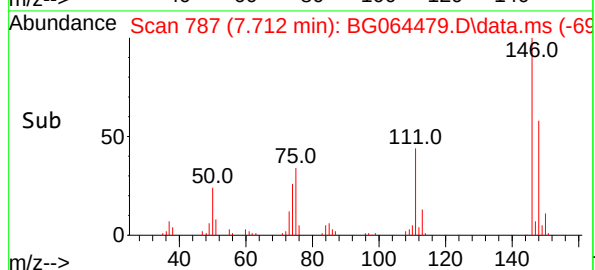
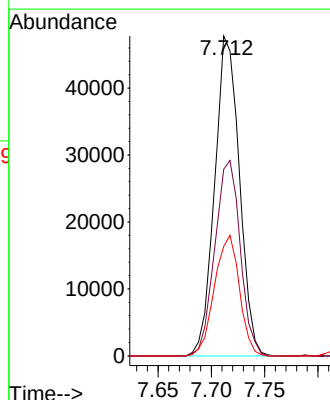
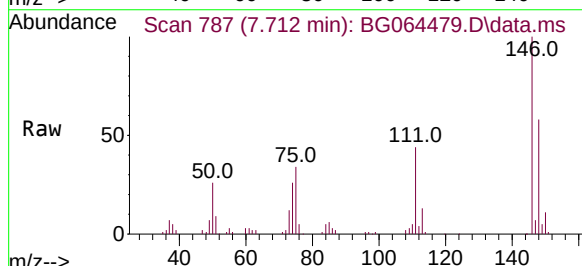
Tgt Ion:146 Resp: 77246

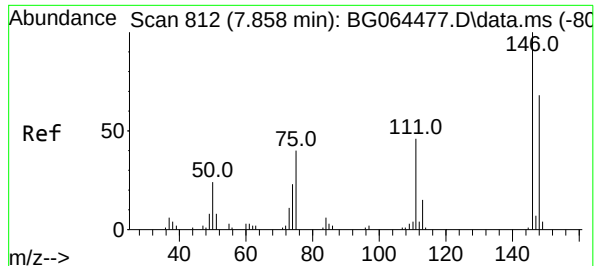
Ion Ratio Lower Upper

146 100

148 58.3 48.4 72.6

75 34.2 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 58.502 ng

RT: 7.858 min Scan# 812

Delta R.T. 0.003 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 77379

Ion Ratio Lower Upper

146 100

148 67.0 54.4 81.6

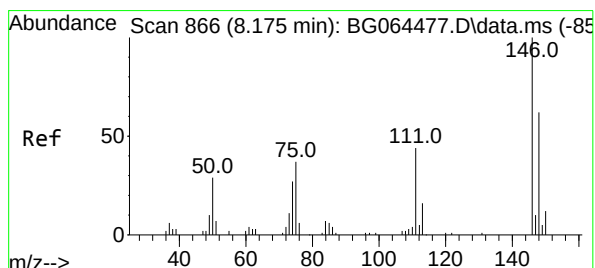
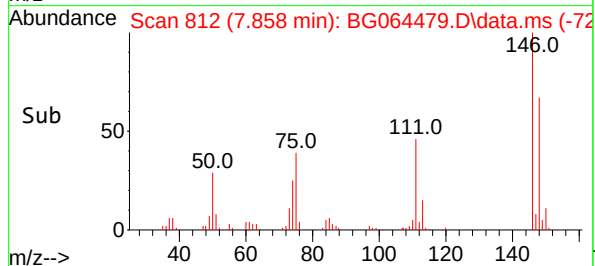
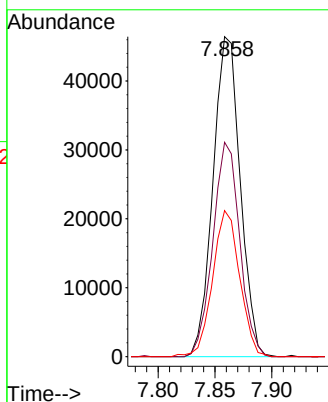
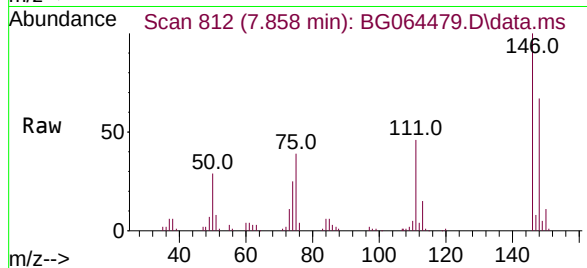
111 45.6 36.5 54.7

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Supervised By :Jagrut Upadhyay 10/03/2025



#14

1,2-Dichlorobenzene

Concen: 58.463 ng

RT: 8.176 min Scan# 866

Delta R.T. 0.003 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

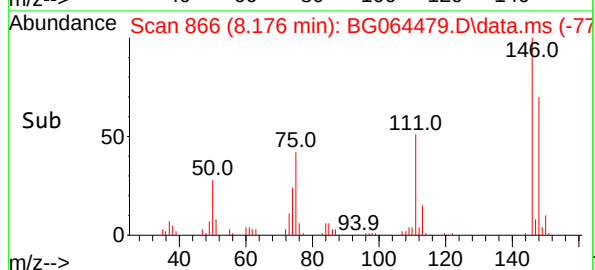
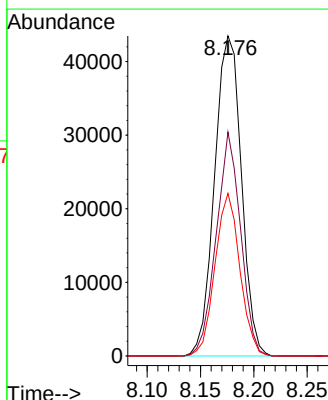
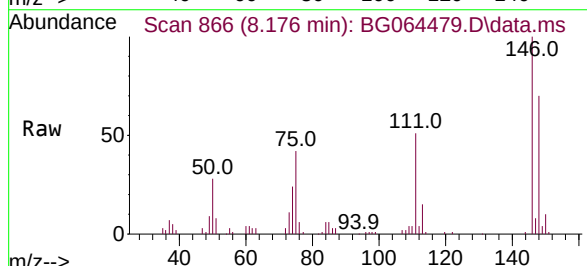
Tgt Ion:146 Resp: 76212

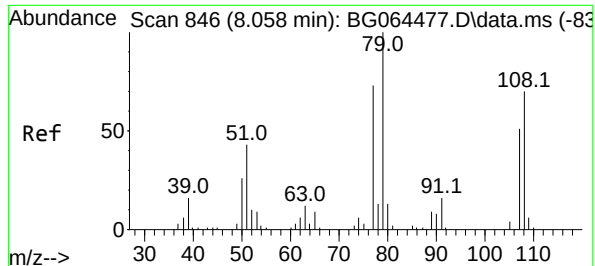
Ion Ratio Lower Upper

146 100

148 69.9 50.0 75.0

111 50.8 35.0 52.4





#15

Benzyl Alcohol

Concen: 62.783 ng

RT: 8.064 min Scan# 846

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

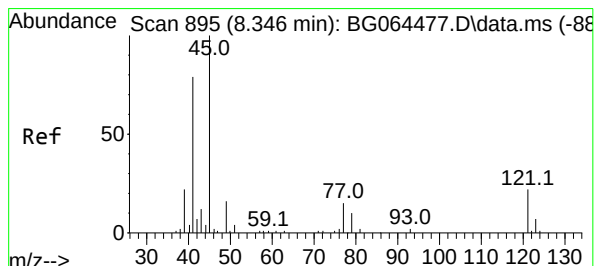
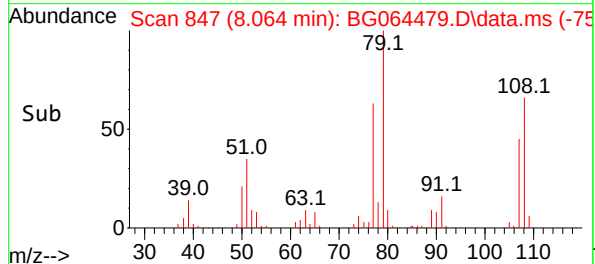
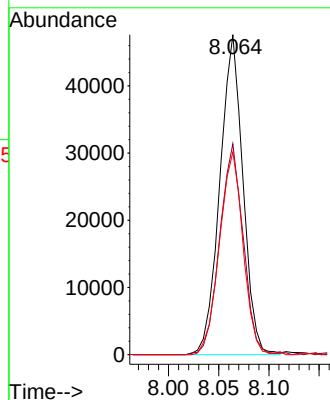
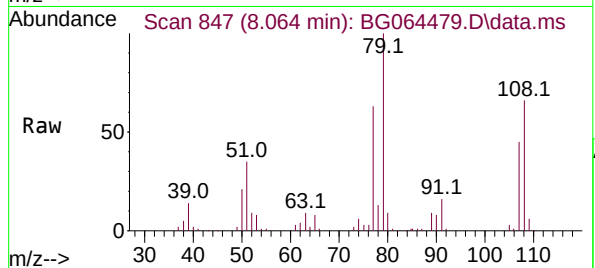
Tgt Ion:	79	Resp:	76230
Ion	Ratio	Lower	Upper
79	100		
108	65.9	56.4	84.6
77	63.3	58.3	87.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/03/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 61.262 ng

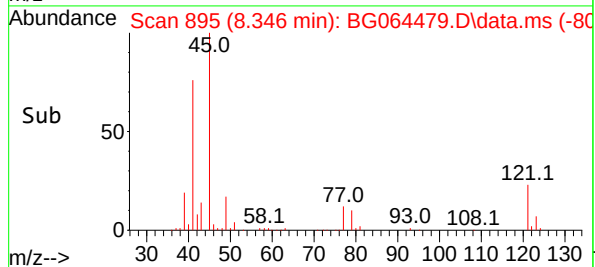
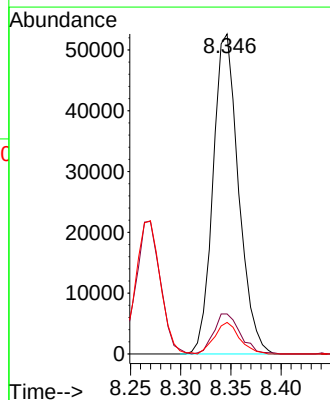
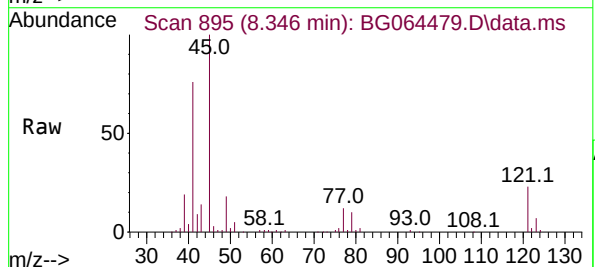
RT: 8.346 min Scan# 895

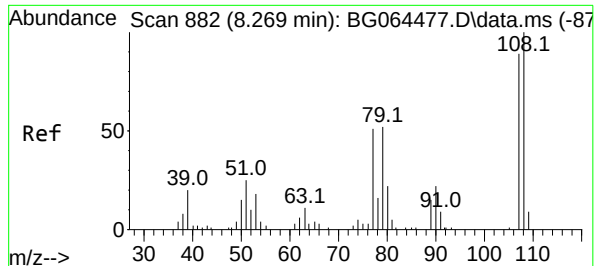
Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Tgt Ion:	45	Resp:	93010
Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	35.6
79	9.8	0.0	30.7





#17

2-Methylphenol

Concen: 61.823 ng

RT: 8.270 min Scan# 882

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:107 Resp: 62263

Ion Ratio Lower Upper

107 100

108 108.3 90.3 135.5

77 57.9 46.0 69.0

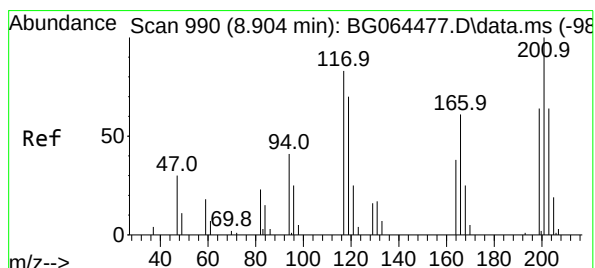
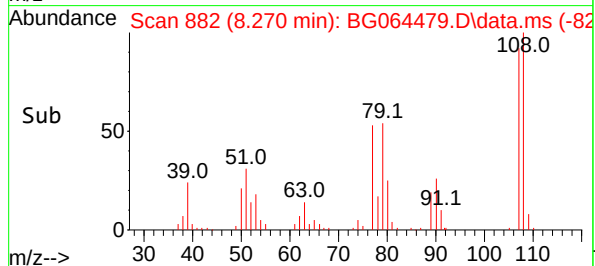
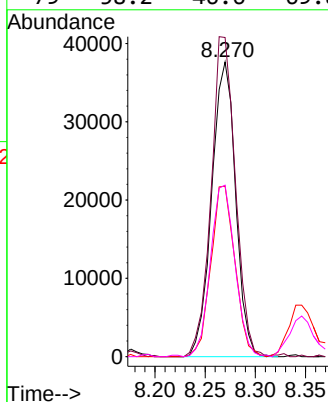
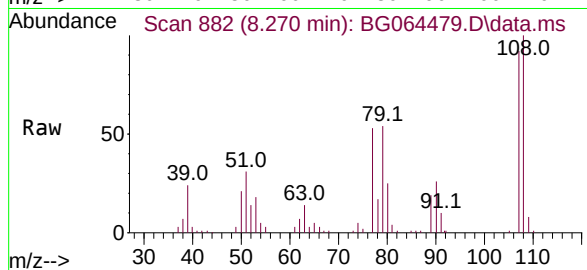
79 58.2 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#18

Hexachloroethane

Concen: 59.041 ng

RT: 8.904 min Scan# 990

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

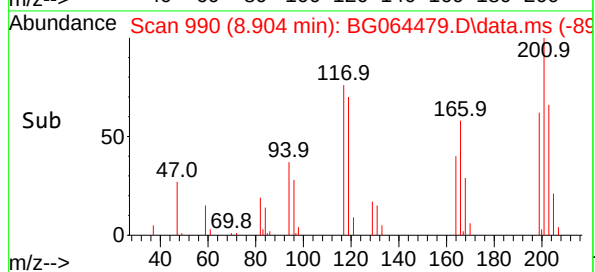
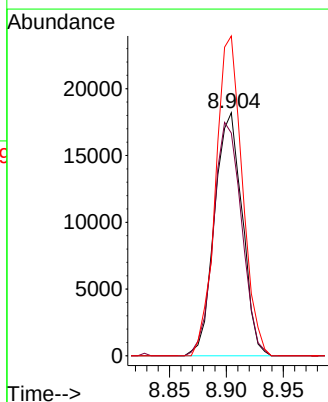
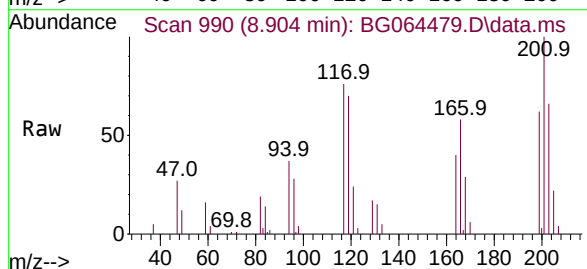
Tgt Ion:117 Resp: 30824

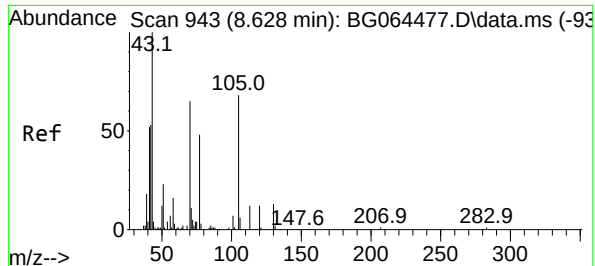
Ion Ratio Lower Upper

117 100

119 91.7 67.4 101.0

201 131.7 95.9 143.9





#19

n-Nitroso-di-n-propylamine

Concen: 64.752 ng

RT: 8.634 min Scan# 94

Delta R.T. 0.020 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 57095

Ion Ratio Lower Upper

70 100

42 81.7 64.9 97.3

101 9.8 8.7 13.1

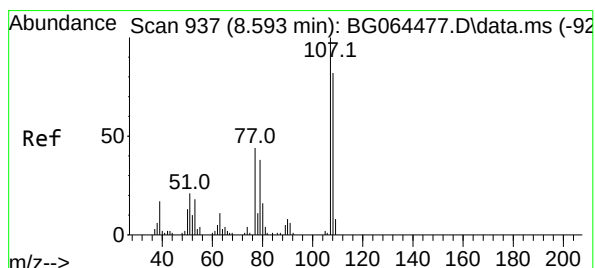
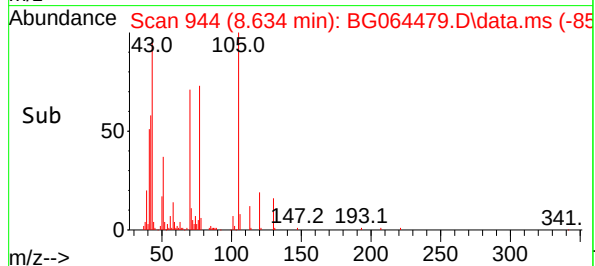
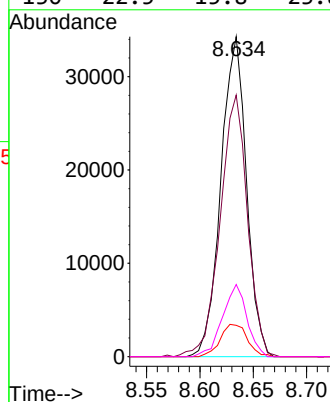
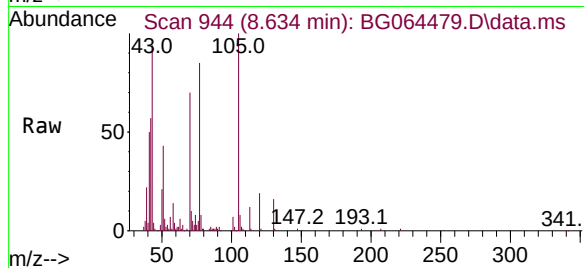
130 22.5 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#20

3+4-Methylphenols

Concen: 62.850 ng

RT: 8.599 min Scan# 938

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Tgt Ion:107 Resp: 88330

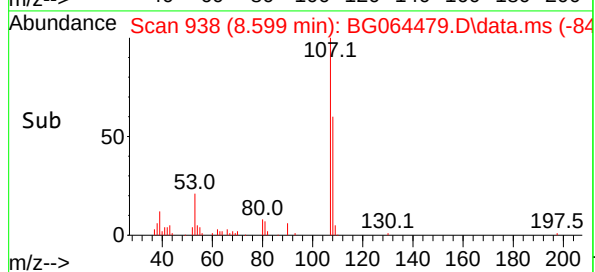
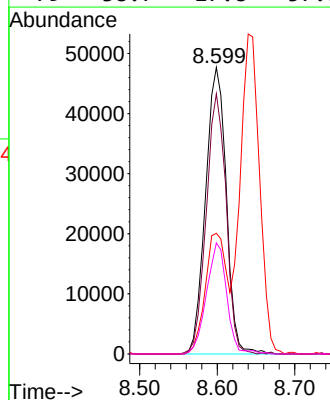
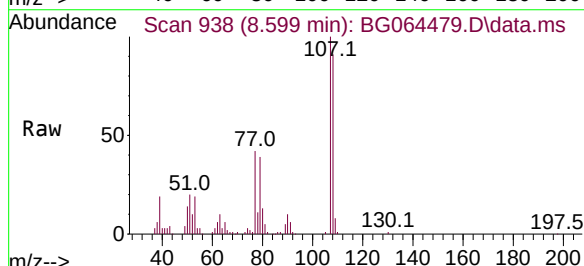
Ion Ratio Lower Upper

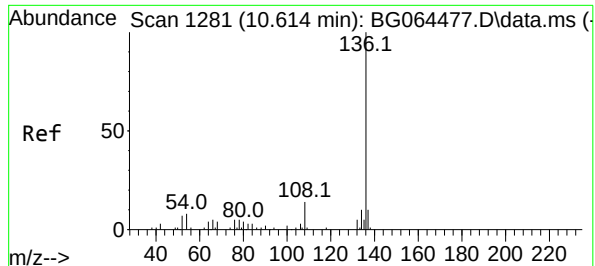
107 100

108 90.8 62.1 102.1

77 42.1 23.5 63.5

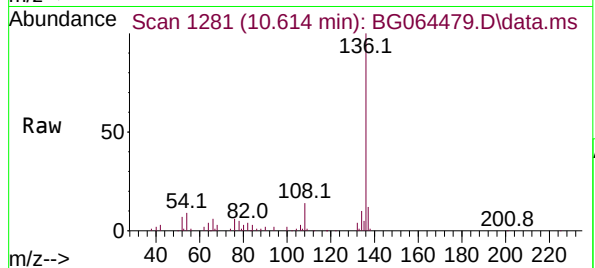
79 38.7 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1281
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

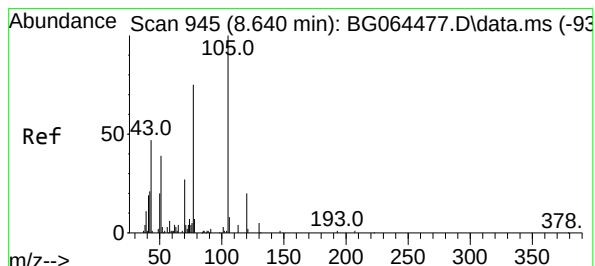
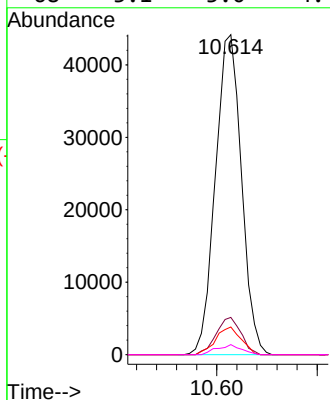
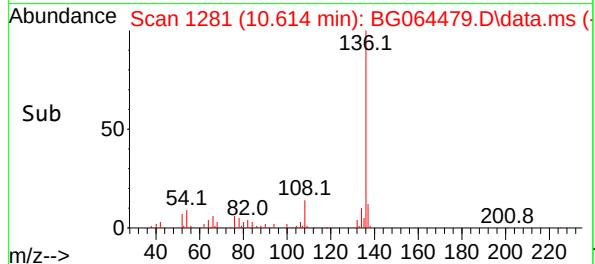
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 79713
Ion Ratio Lower Upper
136 100
137 11.6 8.3 12.5
54 8.6 6.2 9.4
68 3.1 3.0 4.4

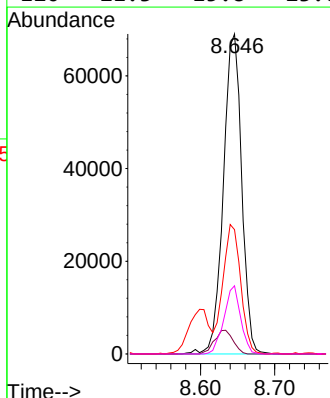
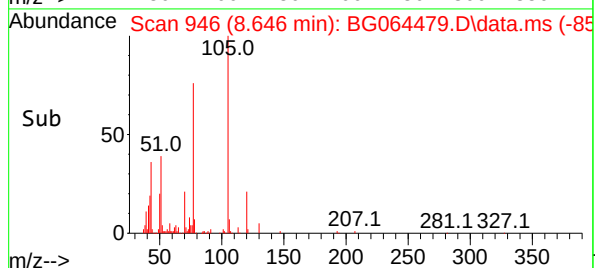
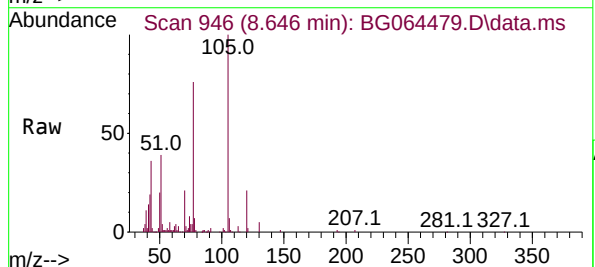
Manual Integrations
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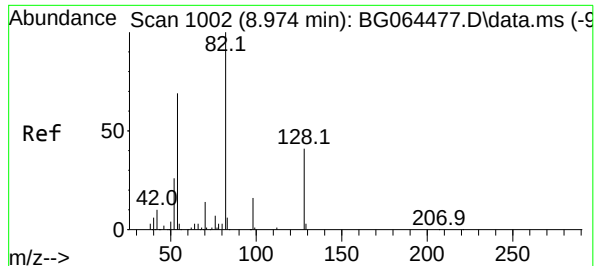
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#22
Acetophenone
Concen: 61.322 ng
RT: 8.646 min Scan# 946
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

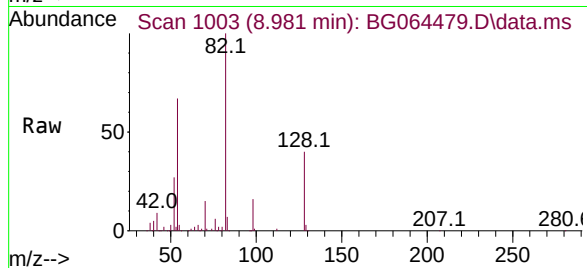
Tgt Ion:105 Resp: 118355
Ion Ratio Lower Upper
105 100
71 3.5 2.8 4.2
51 38.8 33.0 49.4
120 21.3 15.8 23.6





#23
Nitrobenzene-d5
Concen: 122.779 ng
RT: 8.981 min Scan# 1003
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

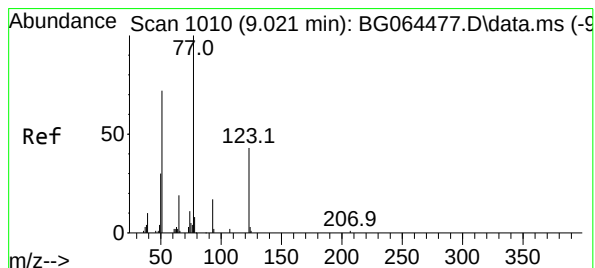
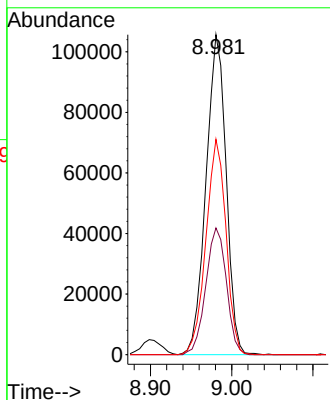
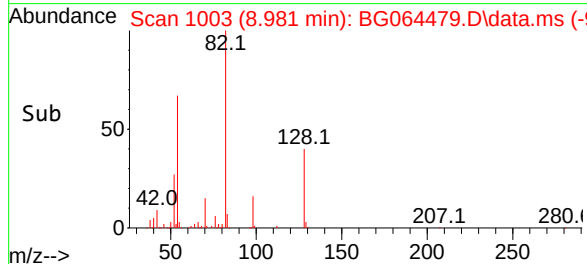
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion: 82 Resp: 182017
Ion Ratio Lower Upper
82 100
128 39.6 33.1 49.7
54 67.3 55.4 83.2

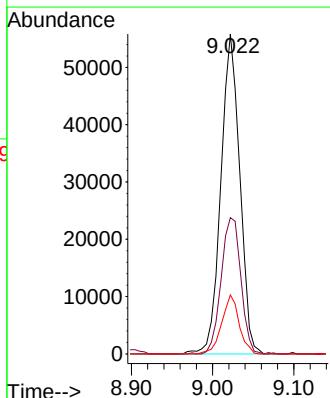
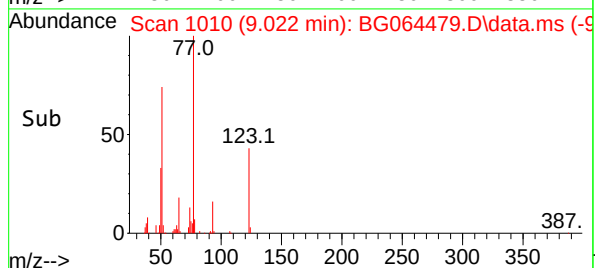
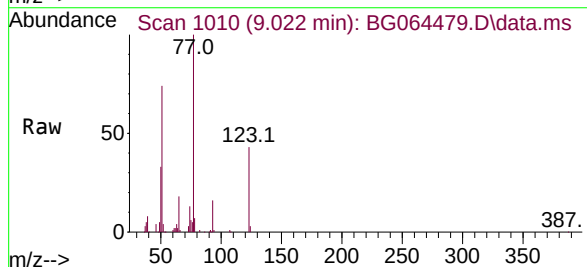
Manual Integrations
APPROVED

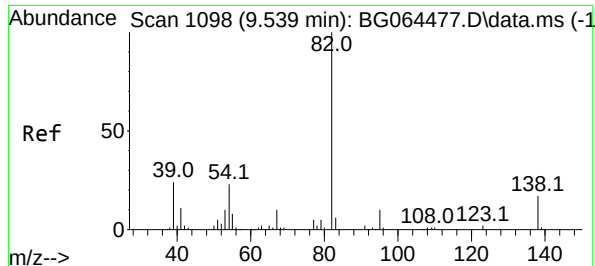
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#24
Nitrobenzene
Concen: 60.977 ng
RT: 9.022 min Scan# 1010
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

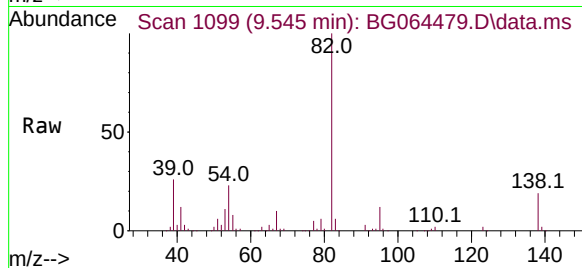
Tgt Ion: 77 Resp: 90145
Ion Ratio Lower Upper
77 100
123 42.6 34.4 51.6
65 18.4 14.8 22.2





#25
Isophorone
Concen: 61.043 ng
RT: 9.545 min Scan# 1099
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

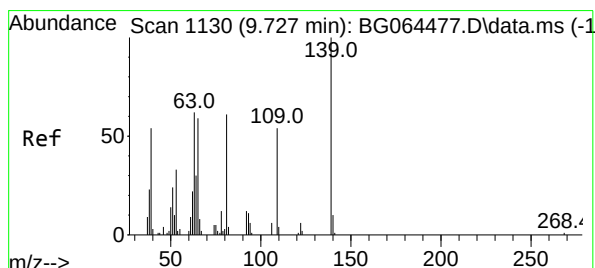
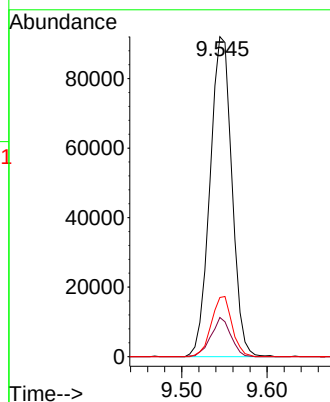
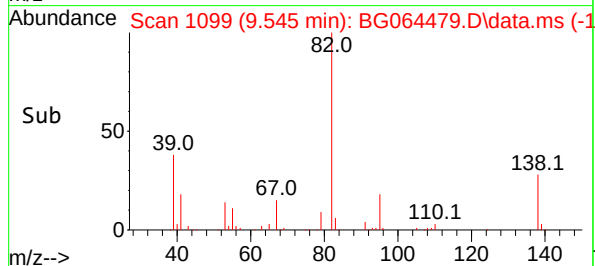
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion: 82 Resp: 16394
Ion Ratio Lower Upper
82 100
95 12.2 7.8 11.8
138 18.5 13.8 20.6

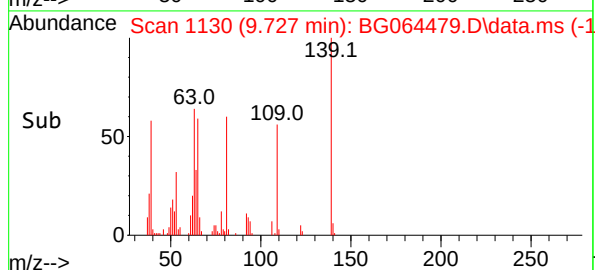
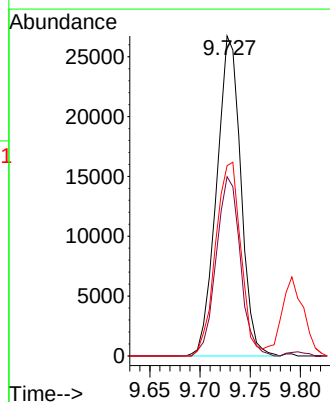
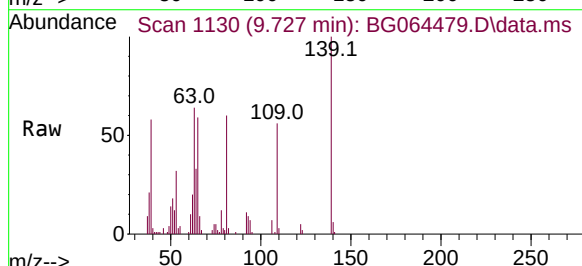
Manual Integrations
APPROVED

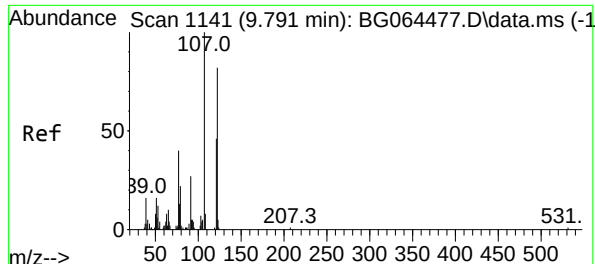
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#26
2-Nitrophenol
Concen: 61.140 ng
RT: 9.727 min Scan# 1130
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:139 Resp: 44985
Ion Ratio Lower Upper
139 100
109 56.0 43.0 64.6
65 59.4 47.4 71.2





#27

2,4-Dimethylphenol

Concen: 63.308 ng

RT: 9.791 min Scan# 1141

Delta R.T. 0.009 min

Lab File: BG064479.D

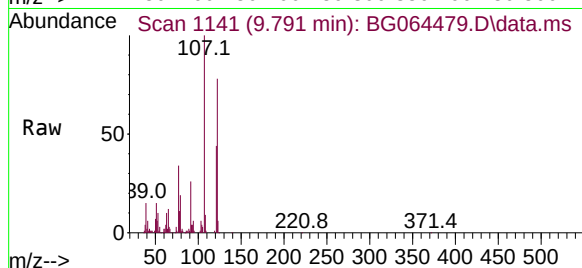
Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060



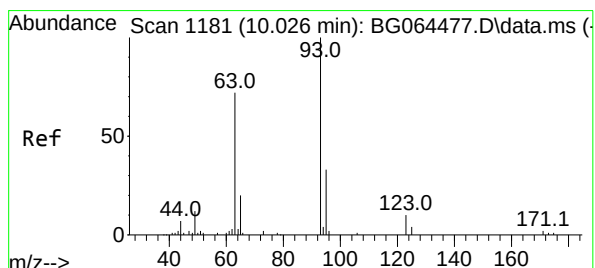
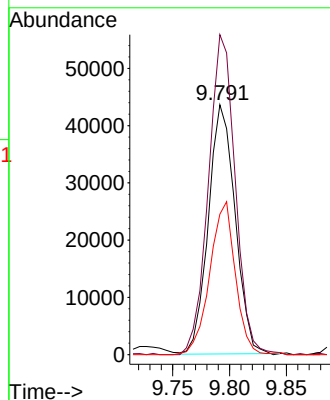
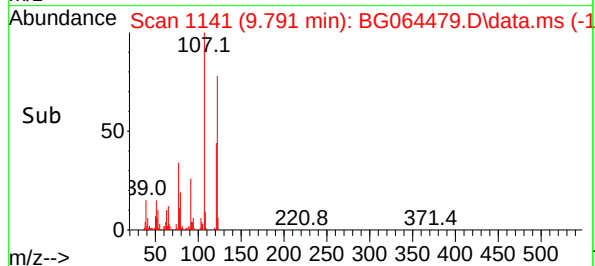
Tgt Ion:	122	Resp:	71145
Ion	Ratio	Lower	Upper
122	100		
107	128.1	98.3	147.5
121	56.2	44.7	67.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#28

bis(2-Chloroethoxy)methane

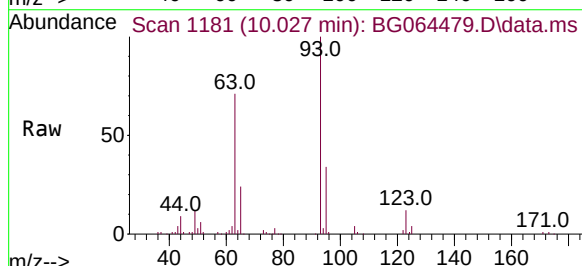
Concen: 61.433 ng

RT: 10.027 min Scan# 1181

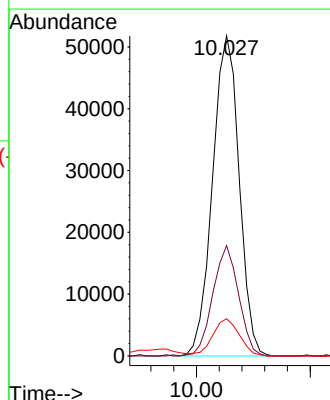
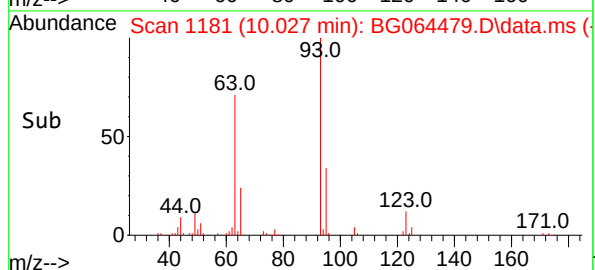
Delta R.T. 0.009 min

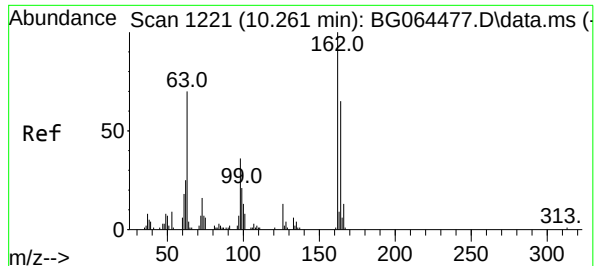
Lab File: BG064479.D

Acq: 2 Oct 2025 13:35



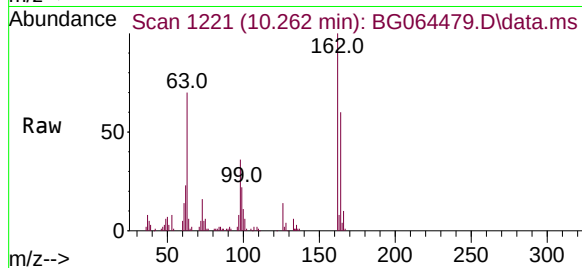
Tgt Ion:	93	Resp:	84101
Ion	Ratio	Lower	Upper
93	100		
95	34.5	26.5	39.7
123	11.6	8.9	13.3





#29
2,4-Dichlorophenol
Concen: 61.860 ng
RT: 10.262 min Scan# 1221
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

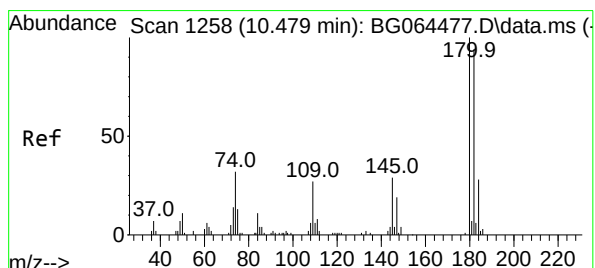
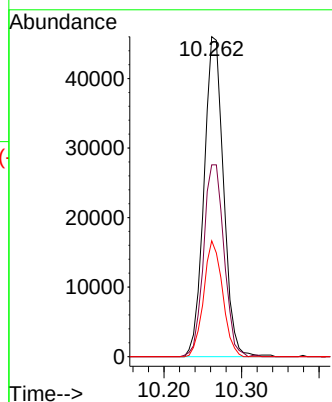
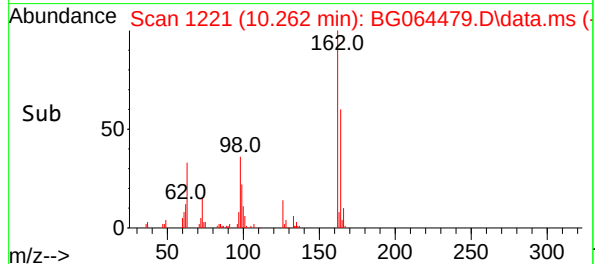
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:162 Resp: 80390
Ion Ratio Lower Upper
162 100
164 59.9 45.4 85.4
98 36.2 16.4 56.4

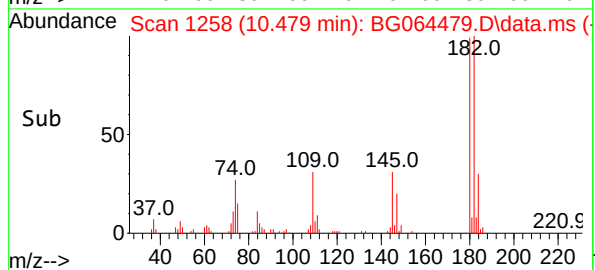
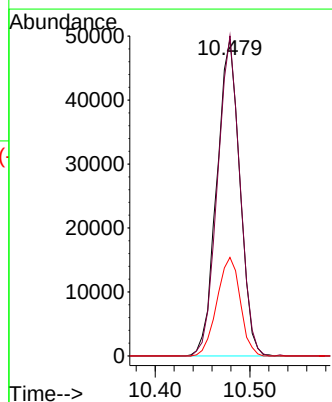
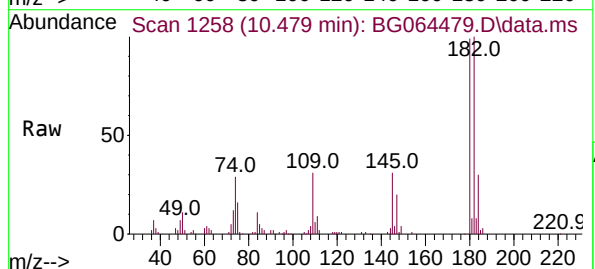
Manual Integrations
APPROVED

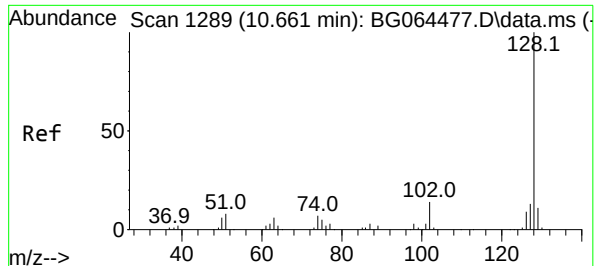
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#30
1,2,4-Trichlorobenzene
Concen: 58.922 ng
RT: 10.479 min Scan# 1258
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

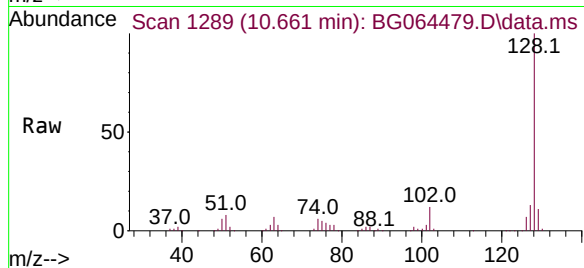
Tgt Ion:180 Resp: 83491
Ion Ratio Lower Upper
180 100
182 101.0 75.4 113.2
145 31.1 23.2 34.8





#31
Naphthalene
Concen: 60.652 ng
RT: 10.661 min Scan# 1172
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

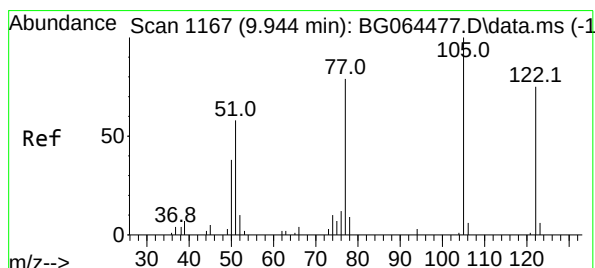
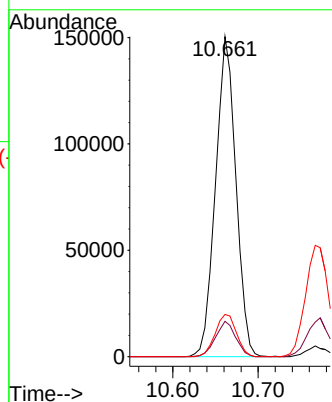
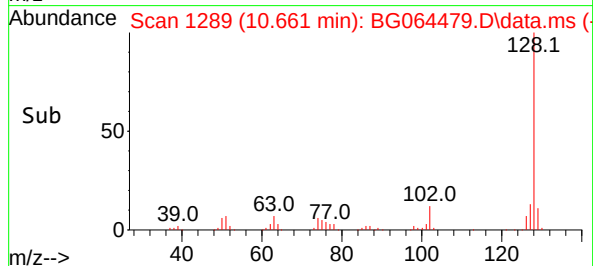
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



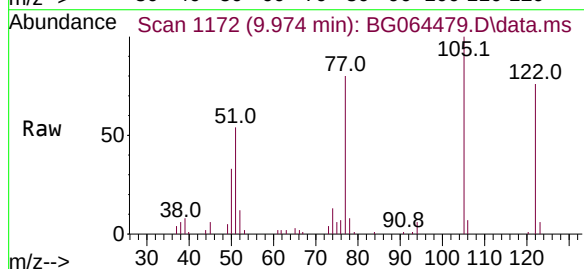
Tgt Ion:128 Resp: 248965
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.2 10.2 15.2

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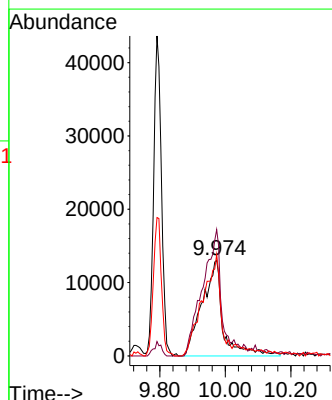
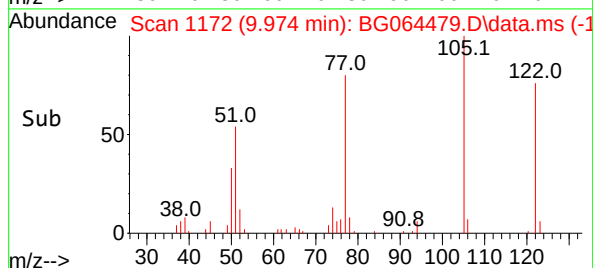
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

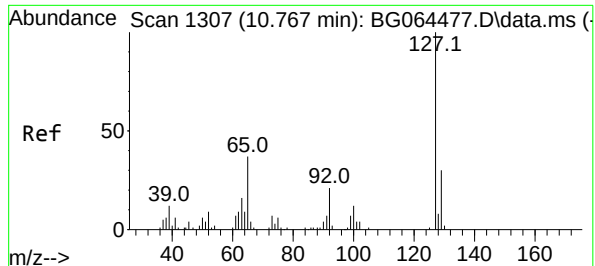


#32
Benzoic acid
Concen: 66.902 ng m
RT: 9.974 min Scan# 1172
Delta R.T. 0.085 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



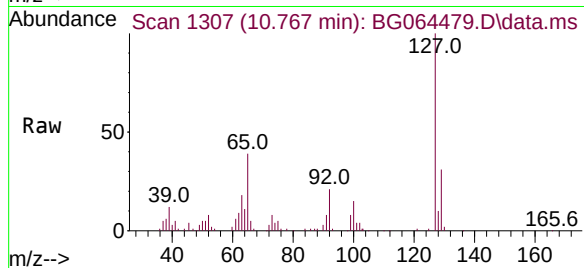
Tgt Ion:122 Resp: 57724
Ion Ratio Lower Upper
122 100
105 132.1 113.9 153.9
77 106.1 86.1 126.1





#33
4-Chloroaniline
Concen: 61.625 ng
RT: 10.767 min Scan# 1307
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

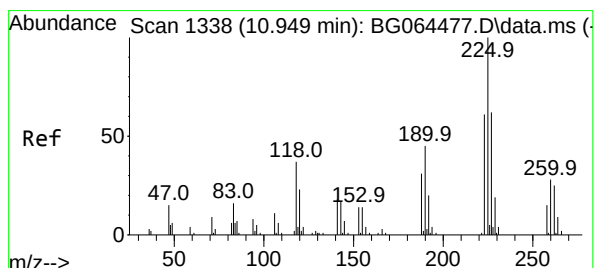
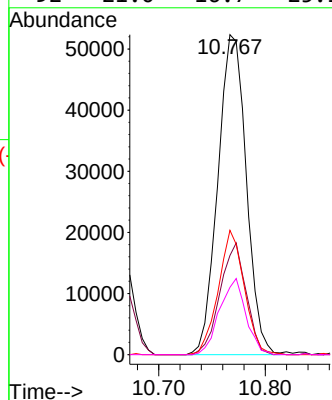
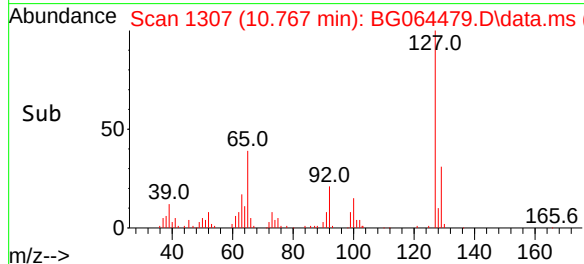
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



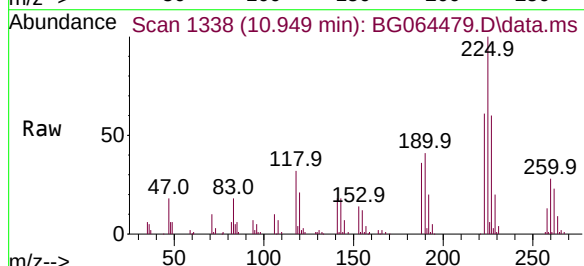
Tgt Ion:127 Resp: 97069
Ion Ratio Lower Upper
127 100
129 31.0 24.2 36.4
65 38.8 29.6 44.4
92 21.0 16.7 25.1

Manual Integrations
APPROVED

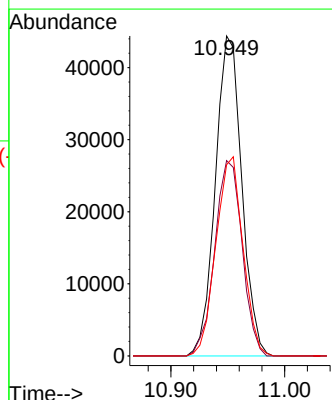
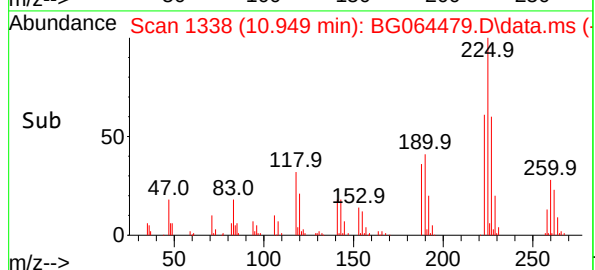
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

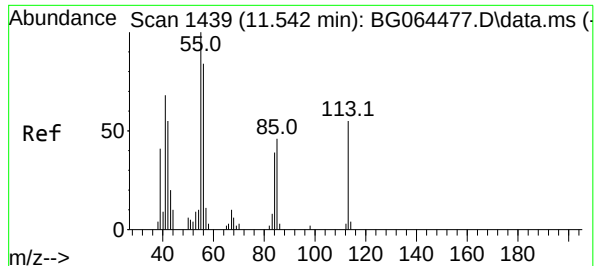


#34
Hexachlorobutadiene
Concen: 59.141 ng
RT: 10.949 min Scan# 1338
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



Tgt Ion:225 Resp: 71767
Ion Ratio Lower Upper
225 100
223 61.0 49.0 73.6
227 59.7 49.9 74.9





#35

Caprolactam

Concen: 59.294 ng

RT: 11.554 min Scan# 1439

Delta R.T. 0.044 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:113 Resp: 26379

Ion Ratio Lower Upper

113 100

55 171.8 162.0 202.0

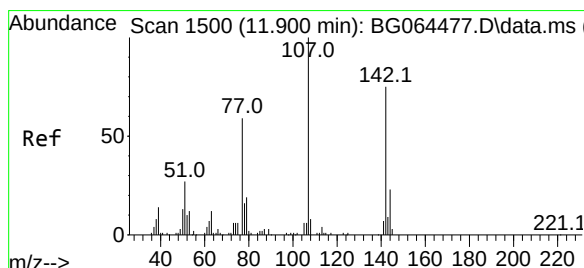
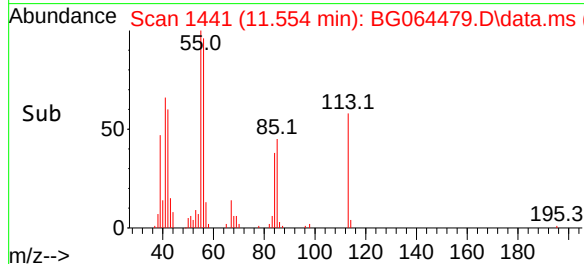
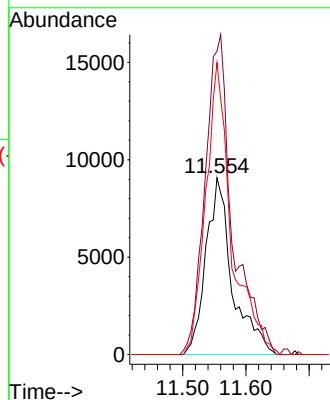
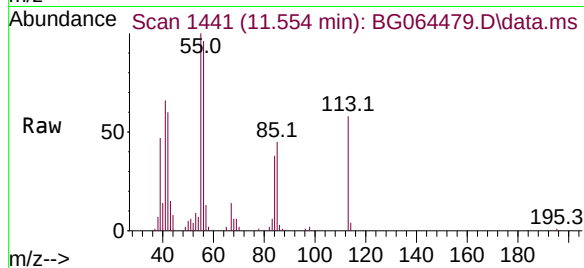
56 165.2 134.6 174.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#36

4-Chloro-3-methylphenol

Concen: 61.261 ng

RT: 11.901 min Scan# 1500

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

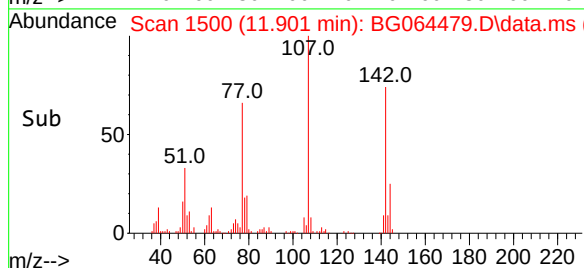
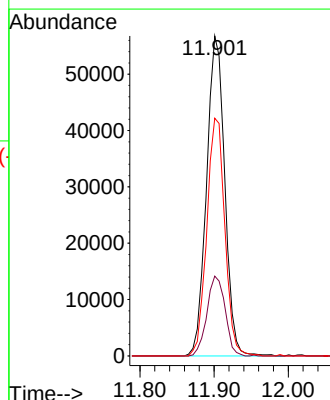
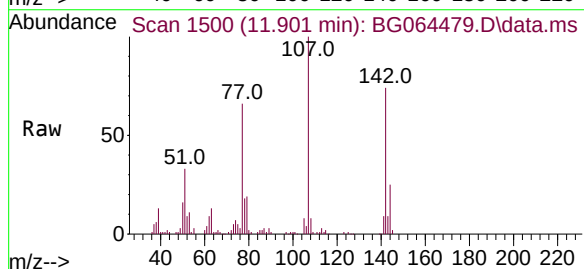
Tgt Ion:107 Resp: 96815

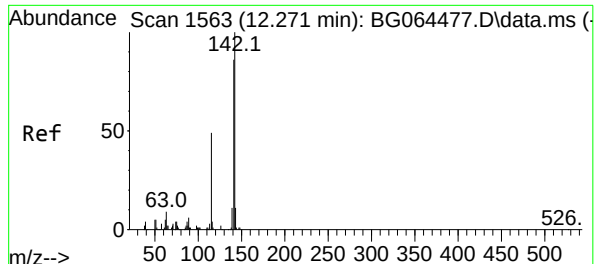
Ion Ratio Lower Upper

107 100

144 24.9 18.7 28.1

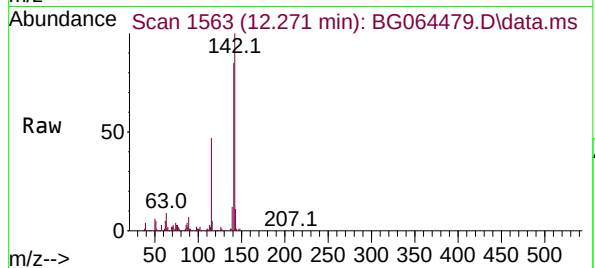
142 74.3 60.2 90.2





#37
2-Methylnaphthalene
Concen: 60.616 ng
RT: 12.271 min Scan# 1563
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

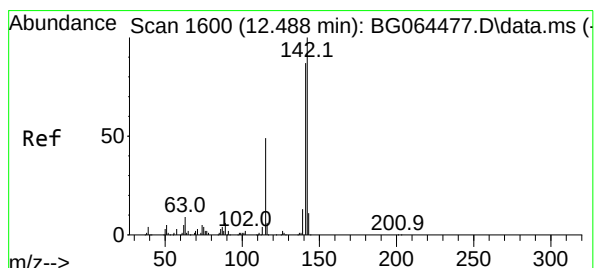
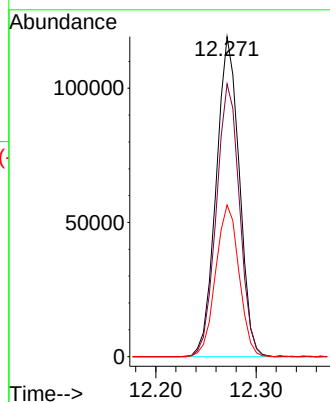
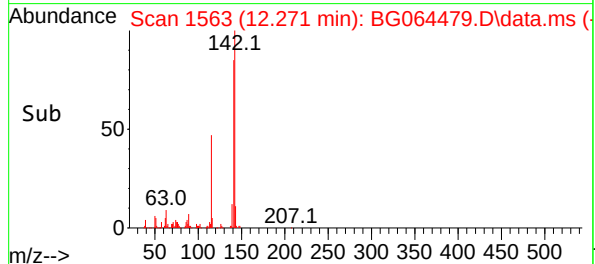
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:142 Resp: 190996
Ion Ratio Lower Upper
142 100
141 85.2 68.7 103.1
115 47.4 39.3 58.9

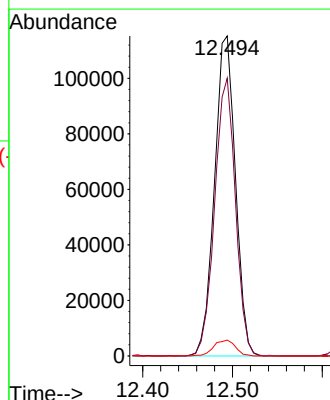
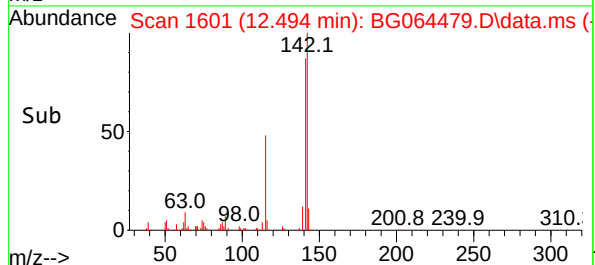
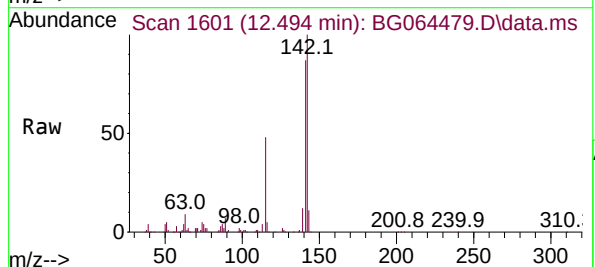
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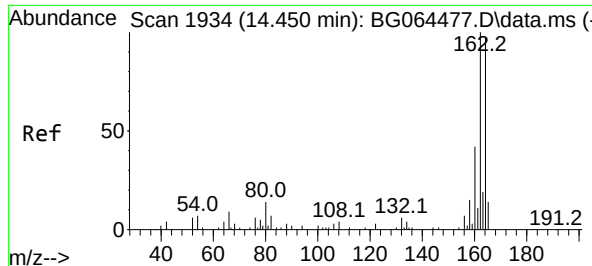
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#38
1-Methylnaphthalene
Concen: 59.679 ng
RT: 12.494 min Scan# 1601
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

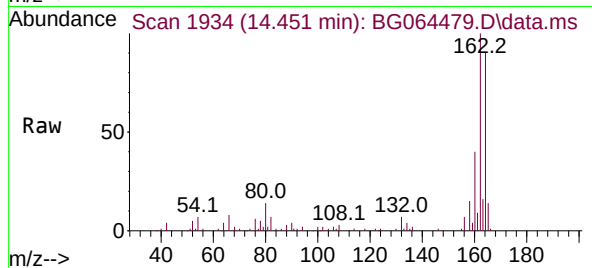
Tgt Ion:142 Resp: 187504
Ion Ratio Lower Upper
142 100
141 86.8 69.8 104.8
116 4.9 4.6 6.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1934
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

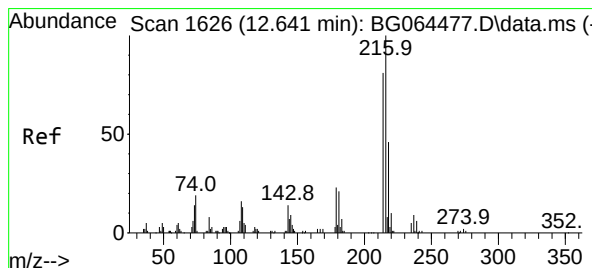
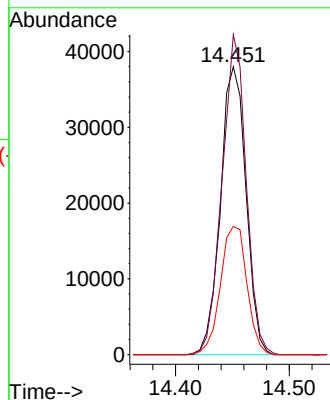
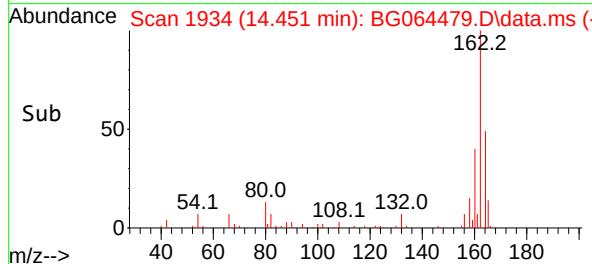
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:164 Resp: 59222
Ion Ratio Lower Upper
164 100
162 111.2 82.2 123.2
160 44.6 34.3 51.5

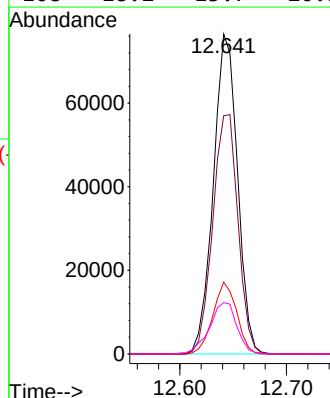
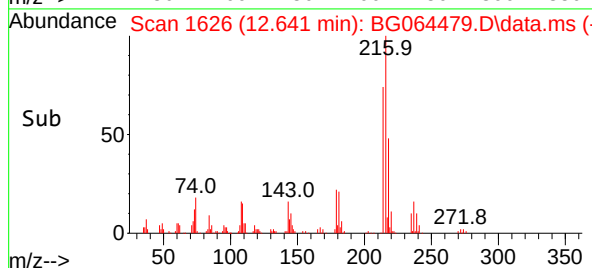
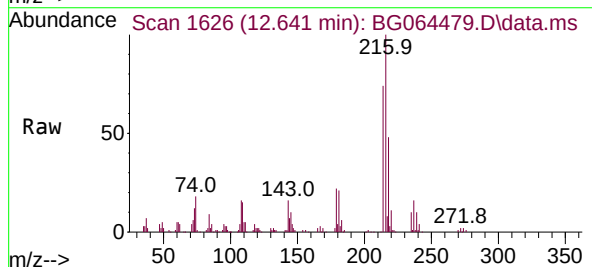
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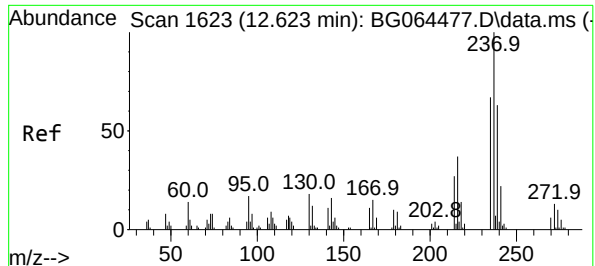
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.034 ng
RT: 12.641 min Scan# 1626
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:216 Resp: 120531
Ion Ratio Lower Upper
216 100
214 78.0 62.5 93.7
179 22.0 17.0 25.6
108 18.2 13.7 20.5





#41

Hexachlorocyclopentadiene

Concen: 67.119 ng

RT: 12.623 min Scan# 1623

Delta R.T. 0.003 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:237 Resp: 67135

Ion Ratio Lower Upper

237 100

235 59.7 46.9 86.9

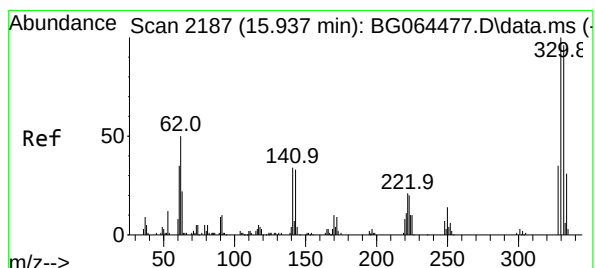
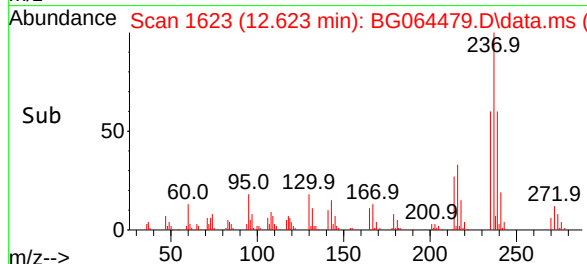
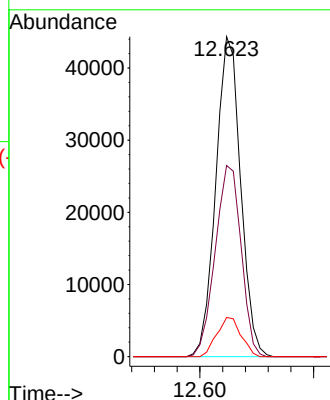
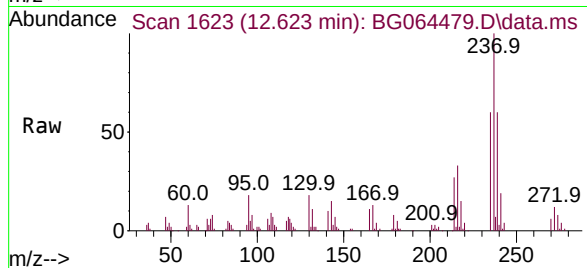
272 12.2 0.0 32.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#42

2,4,6-Tribromophenol

Concen: 119.659 ng

RT: 15.943 min Scan# 2188

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

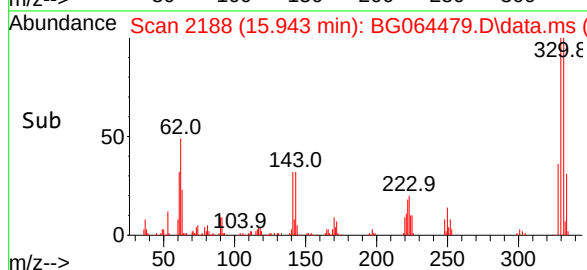
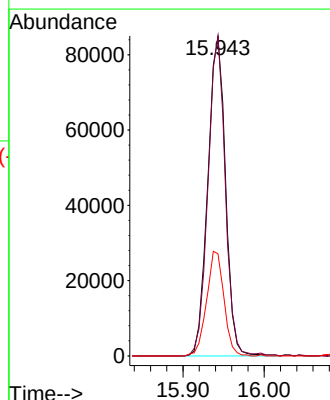
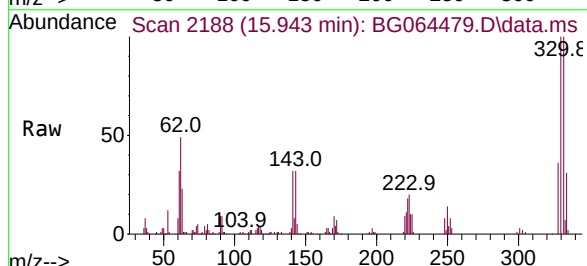
Tgt Ion:330 Resp: 128452

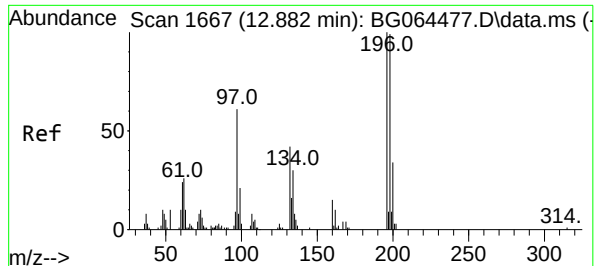
Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.0

141 32.1 25.8 38.6





#43

2,4,6-Trichlorophenol

Concen: 63.395 ng

RT: 12.888 min Scan# 1667

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

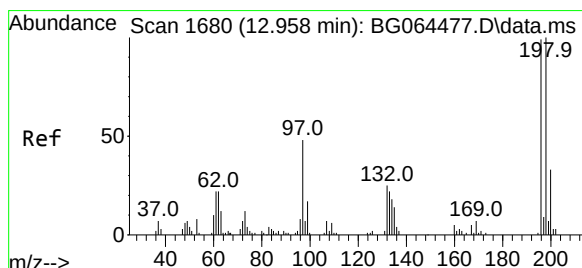
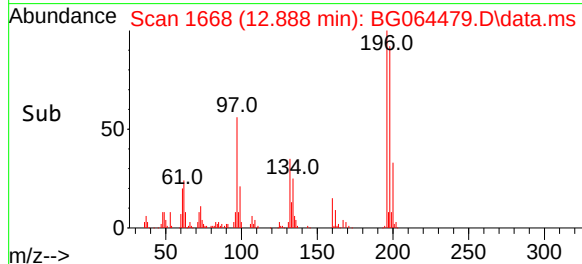
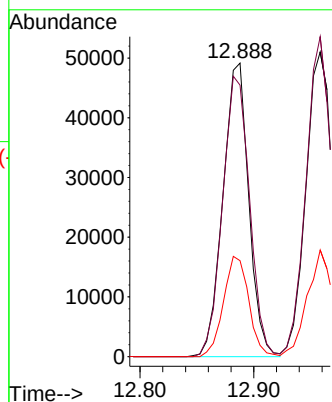
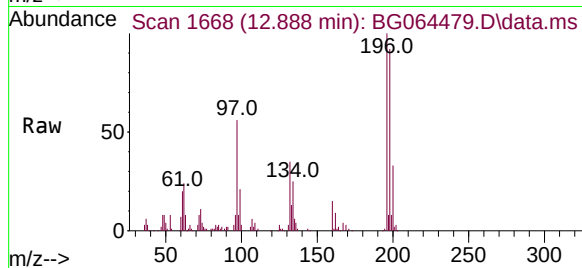
SSTDICC060

Tgt Ion:196	Resp:	77492
Ion Ratio	Lower	Upper
196	100	
198	92.4	79.3 118.9
200	32.7	27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#44

2,4,5-Trichlorophenol

Concen: 61.556 ng

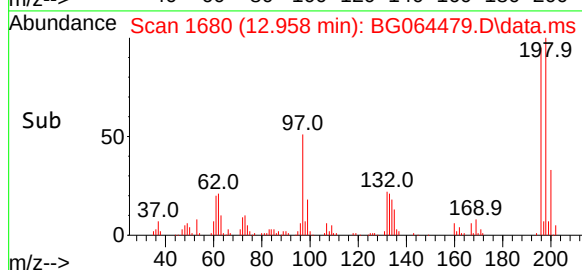
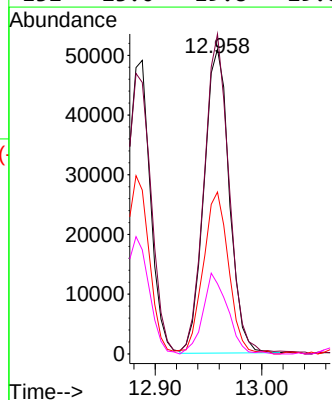
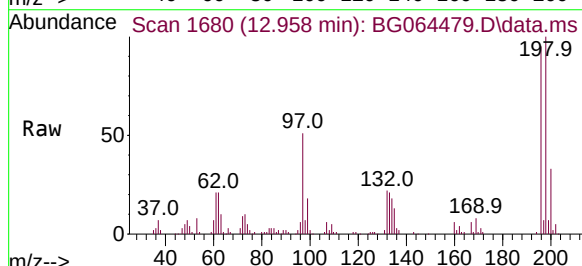
RT: 12.958 min Scan# 1680

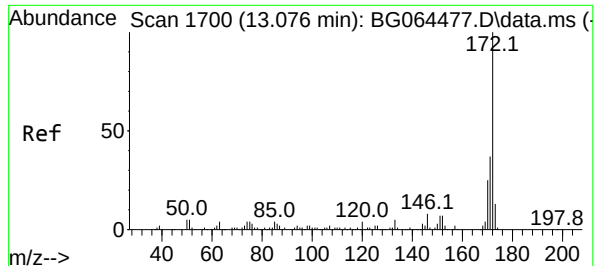
Delta R.T. 0.003 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

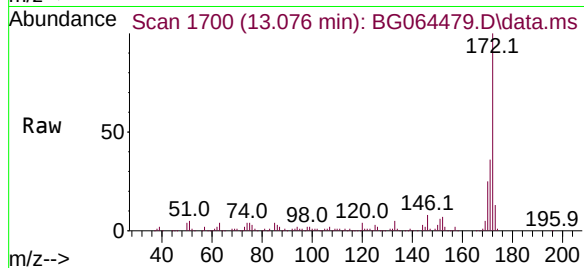
Tgt Ion:196	Resp:	84004
Ion Ratio	Lower	Upper
196	100	
198	105.0	80.3 120.5
97	53.1	39.4 59.0
132	23.0	19.8 29.8





#45
2-Fluorobiphenyl
Concen: 122.847 ng
RT: 13.076 min Scan# 1700
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

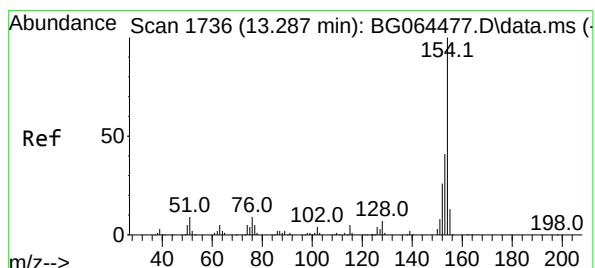
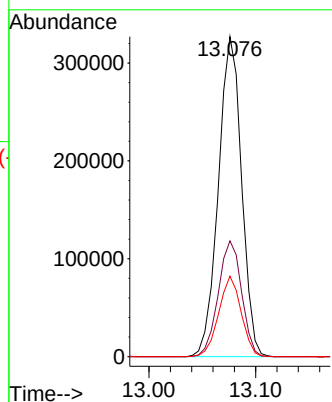
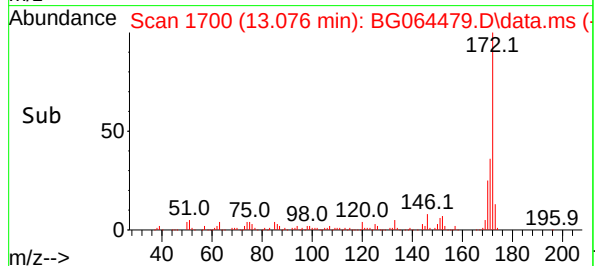
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:172 Resp: 493573
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 25.1 20.2 30.2

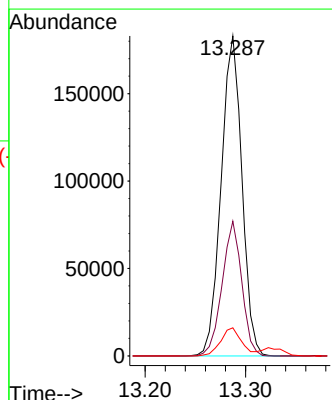
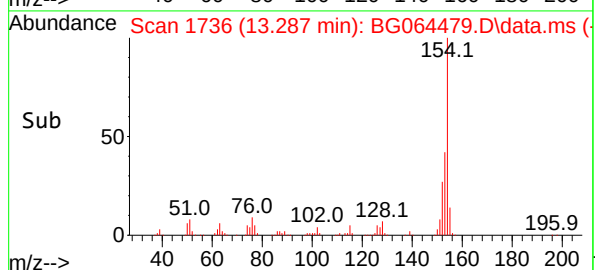
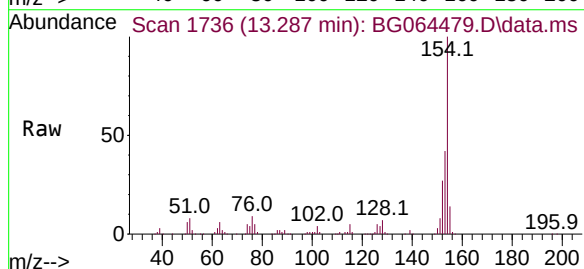
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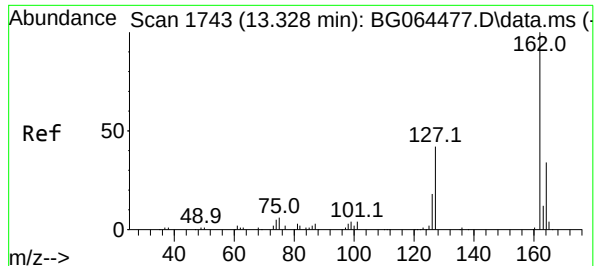
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#46
1,1'-Biphenyl
Concen: 61.885 ng
RT: 13.287 min Scan# 1736
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

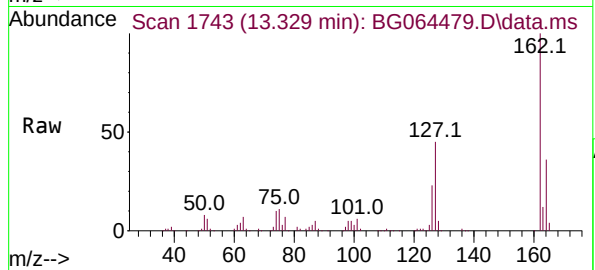
Tgt Ion:154 Resp: 263596
Ion Ratio Lower Upper
154 100
153 42.1 20.7 60.7
76 8.8 0.0 29.3





#47
2-Chloronaphthalene
Concen: 61.791 ng
RT: 13.329 min Scan# 1743
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

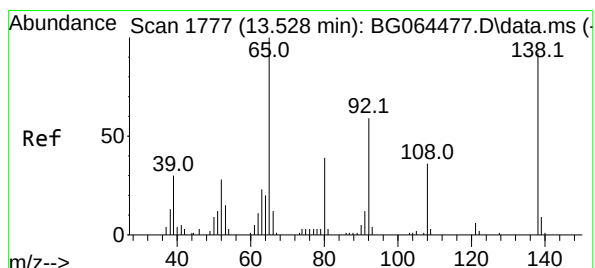
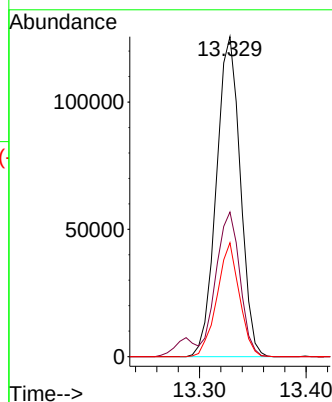
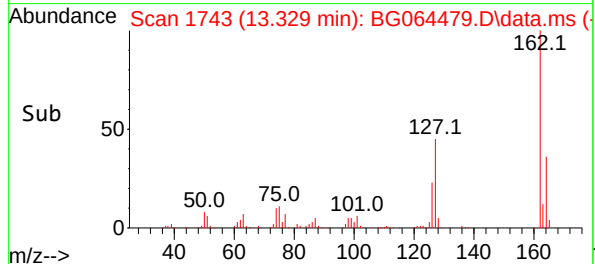
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:162 Resp: 196507
Ion Ratio Lower Upper
162 100
127 45.2 35.8 53.8
164 35.6 27.2 40.8

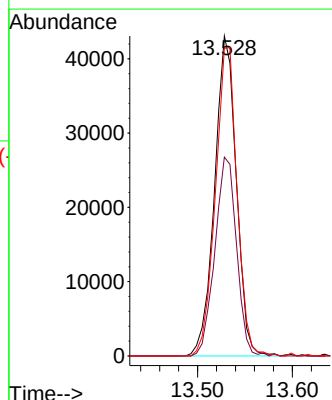
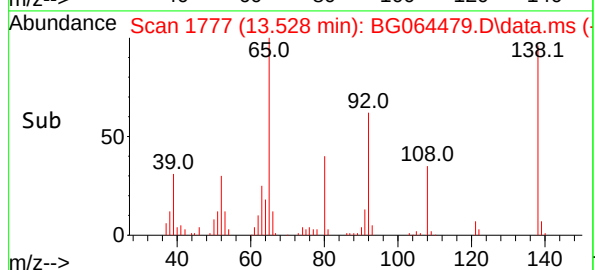
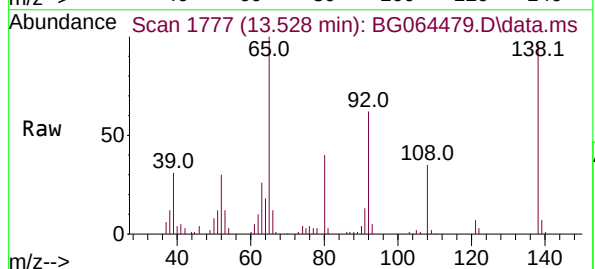
Manual Integrations
APPROVED

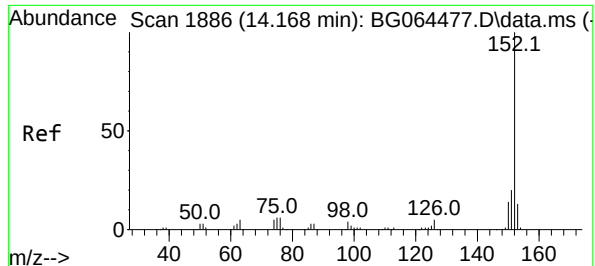
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#48
2-Nitroaniline
Concen: 63.078 ng
RT: 13.528 min Scan# 1777
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 65 Resp: 68465
Ion Ratio Lower Upper
65 100
92 62.1 47.0 70.6
138 96.1 73.5 110.3





#49

Acenaphthylene

Concen: 61.645 ng

RT: 14.175 min Scan# 1887

Delta R.T. 0.003 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:152 Resp: 291016

Ion Ratio Lower Upper

152 100

151 21.2 15.8 23.6

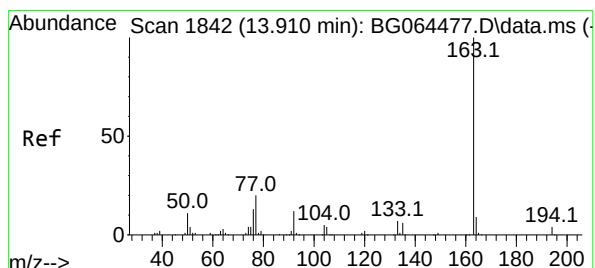
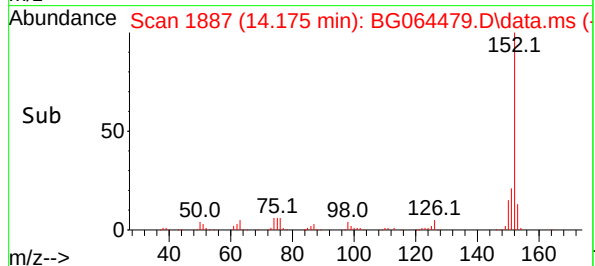
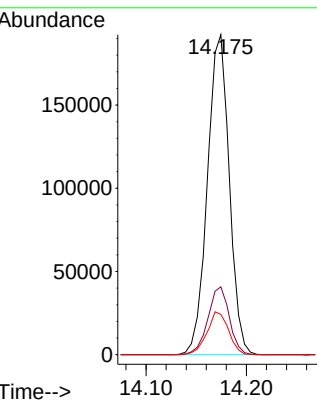
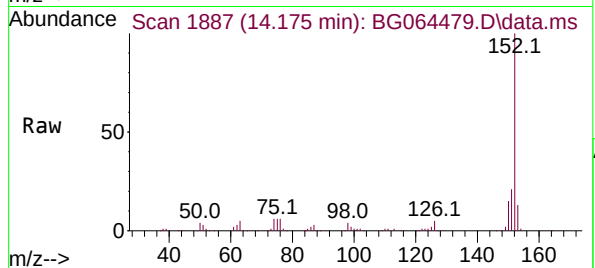
153 12.6 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#50

Dimethylphthalate

Concen: 60.755 ng

RT: 13.910 min Scan# 1842

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

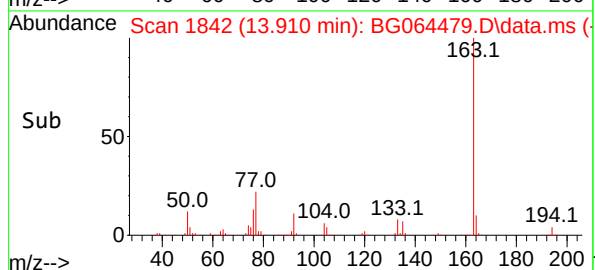
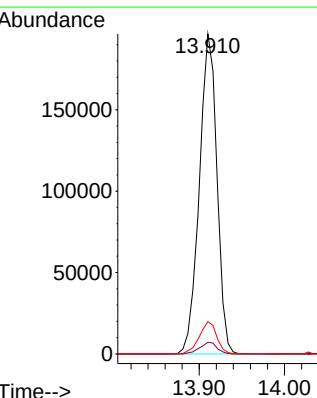
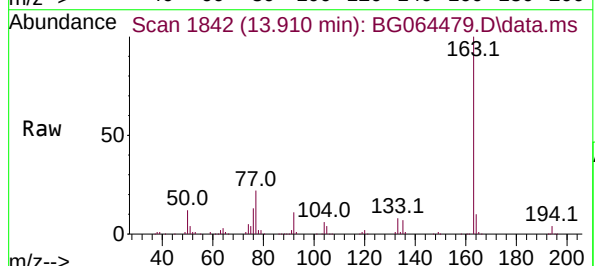
Tgt Ion:163 Resp: 281798

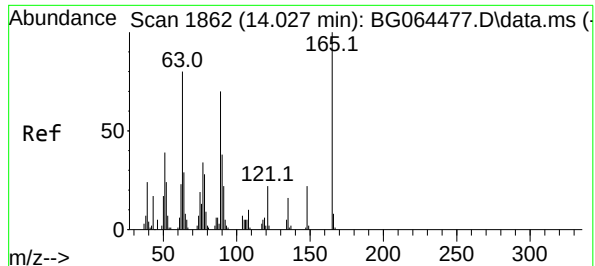
Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

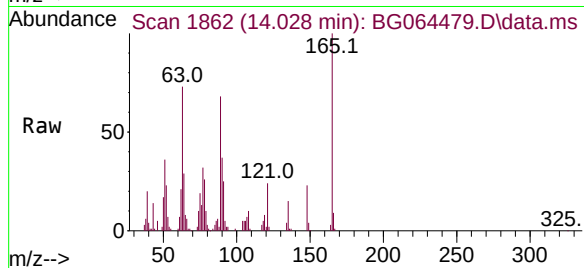
164 10.1 7.4 11.0





#51
2,6-Dinitrotoluene
Concen: 63.363 ng
RT: 14.028 min Scan# 1862
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

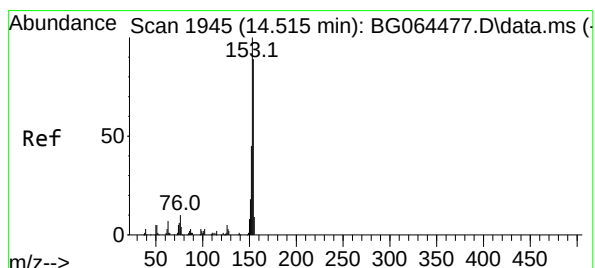
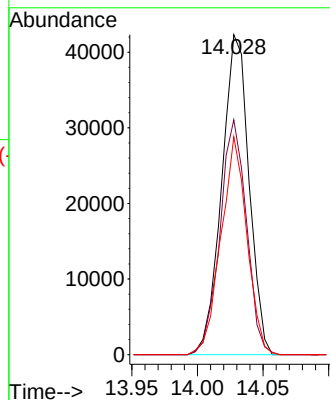
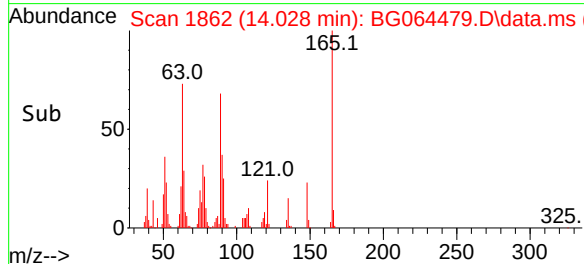
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 61222
Ion Ratio Lower Upper
165 100
63 73.4 63.9 95.9
89 68.1 56.1 84.1

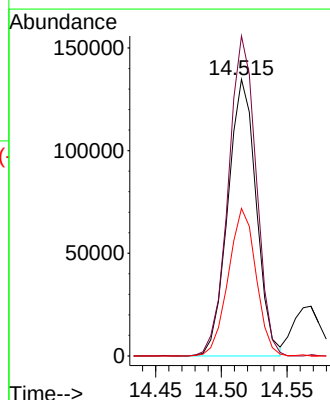
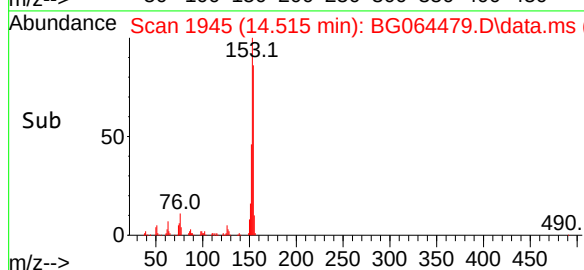
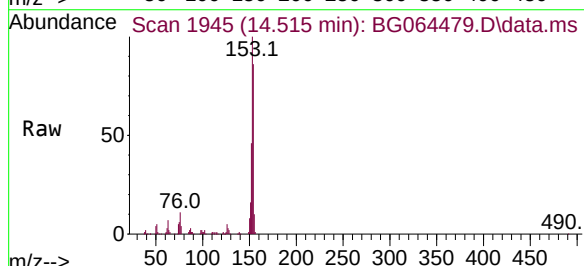
Manual Integrations
APPROVED

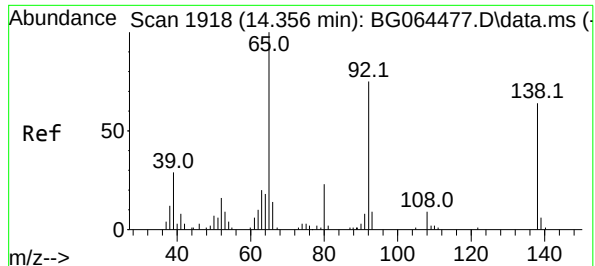
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#52
Acenaphthene
Concen: 61.643 ng
RT: 14.515 min Scan# 1945
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:154 Resp: 202179
Ion Ratio Lower Upper
154 100
153 115.7 90.2 135.4
152 53.3 40.2 60.4





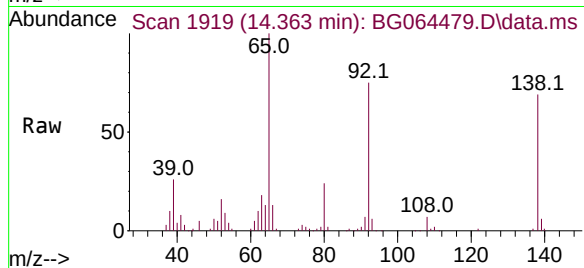
#53
3-Nitroaniline
Concen: 60.440 ng
RT: 14.363 min Scan# 1918
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

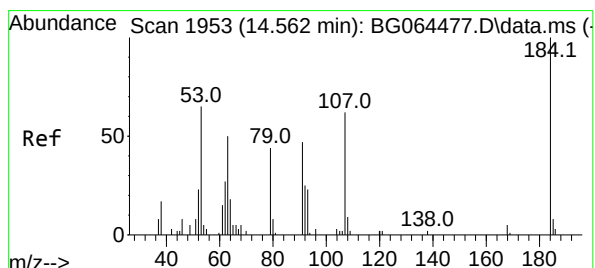
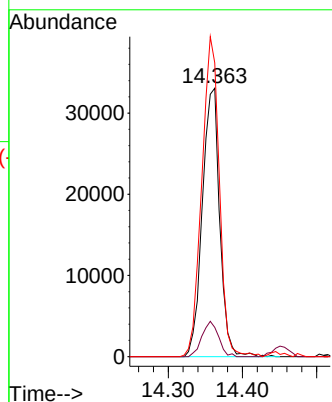
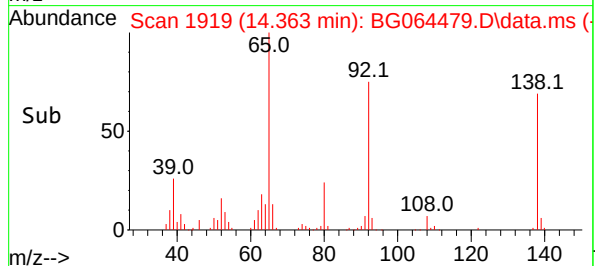


Tgt Ion:138 Resp: 5385
Ion Ratio Lower Upper
138 100
108 10.9 10.6 15.8
92 109.4 93.2 139.8

Manual Integrations

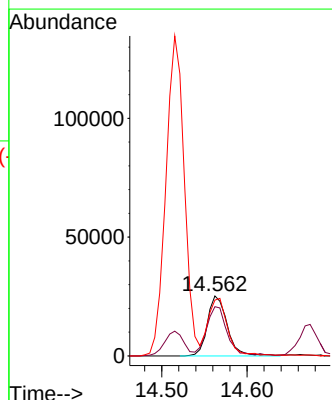
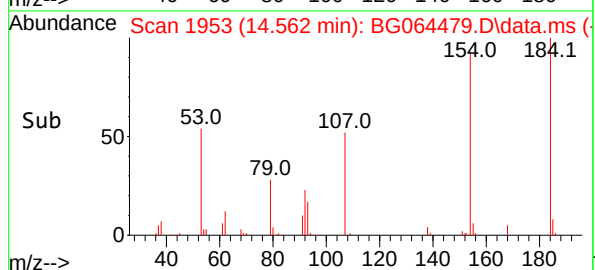
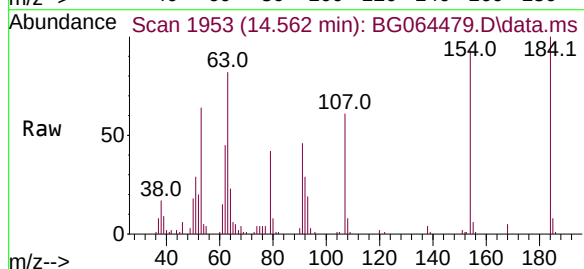
APPROVED

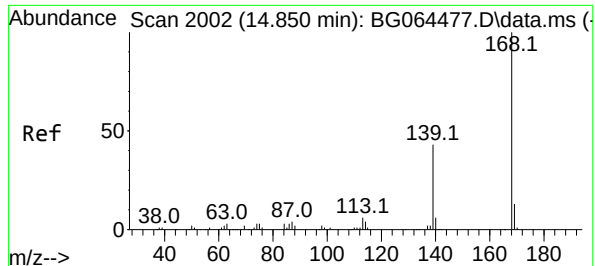
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#54
2,4-Dinitrophenol
Concen: 58.053 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:184 Resp: 40673
Ion Ratio Lower Upper
184 100
63 82.0 69.0 103.4
154 93.0 95.6 143.4#





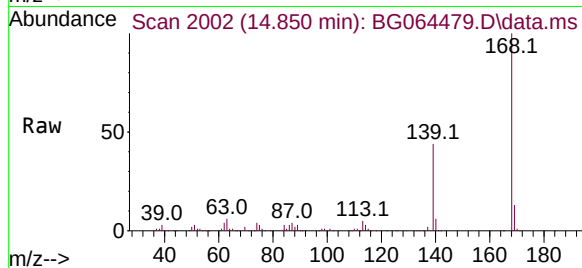
#55
Dibenzofuran
Concen: 61.429 ng
RT: 14.850 min Scan# 2002
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

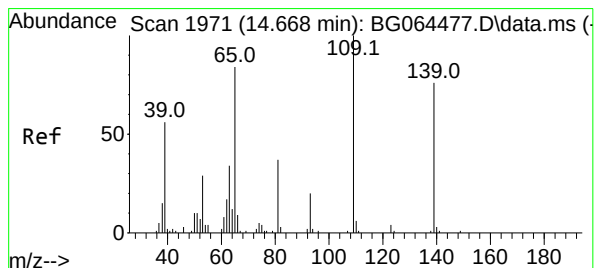
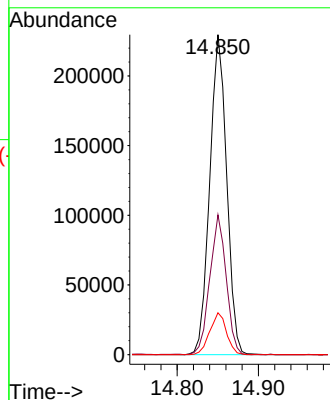
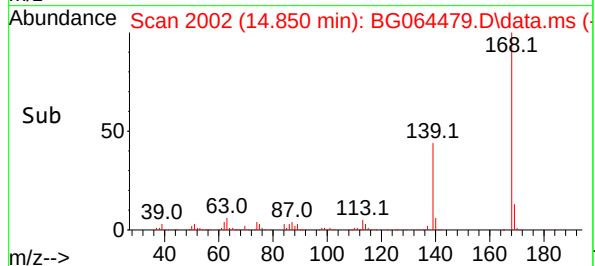


Tgt Ion:168 Resp: 332668
Ion Ratio Lower Upper
168 100
139 43.7 34.0 51.0
169 13.1 10.2 15.2

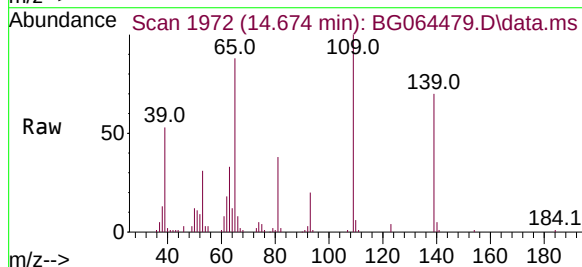
Manual Integrations

APPROVED

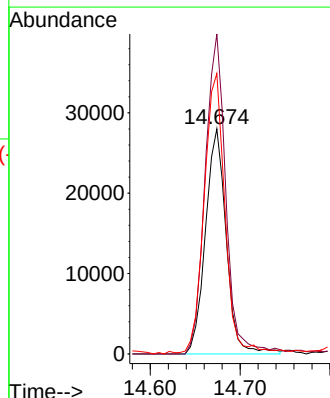
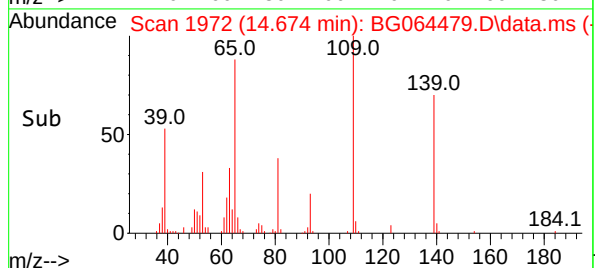
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

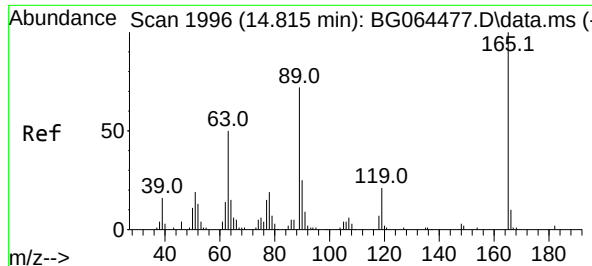


#56
4-Nitrophenol
Concen: 64.107 ng
RT: 14.674 min Scan# 1972
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



Tgt Ion:139 Resp: 44975
Ion Ratio Lower Upper
139 100
109 142.2 111.8 151.8
65 124.7 91.1 131.1





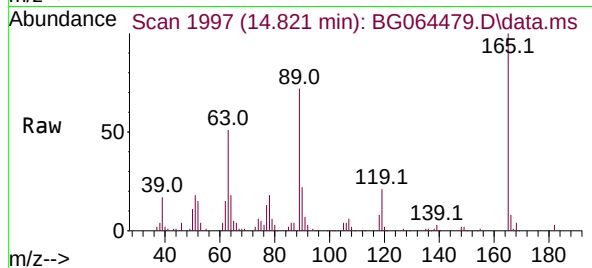
#57
2,4-Dinitrotoluene
Concen: 60.873 ng
RT: 14.821 min Scan# 1996
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

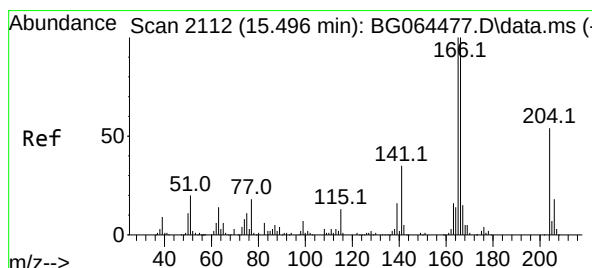
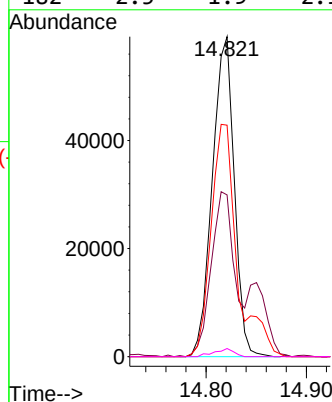
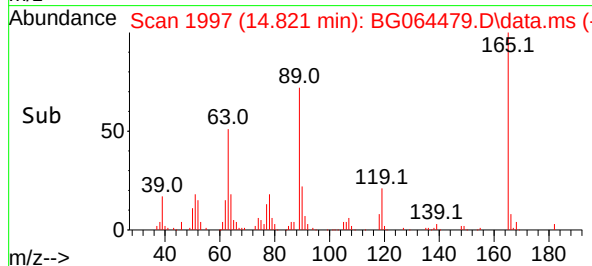


Tgt Ion:165 Resp: 89912
Ion Ratio Lower Upper
165 100
63 50.5 40.4 60.6
89 72.3 57.3 85.9
182 2.5 1.9 2.9

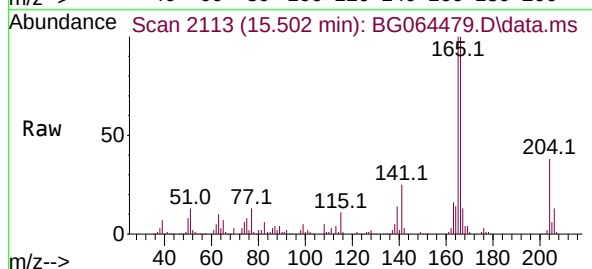
Manual Integrations

APPROVED

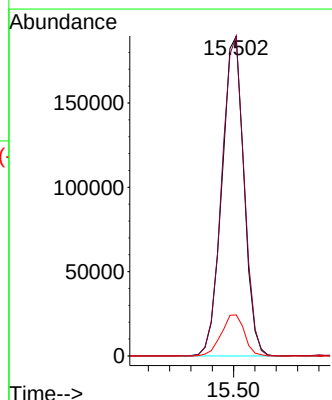
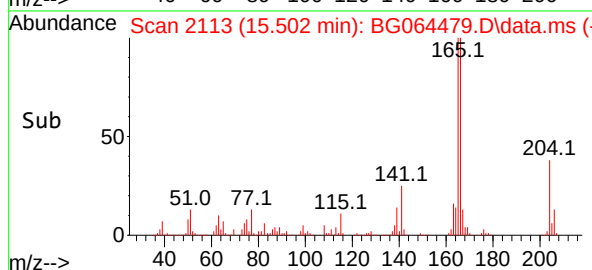
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

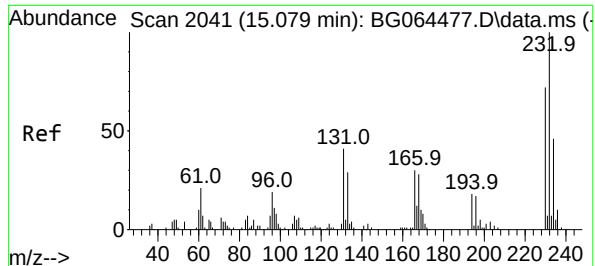


#58
Fluorene
Concen: 60.439 ng
RT: 15.502 min Scan# 2113
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



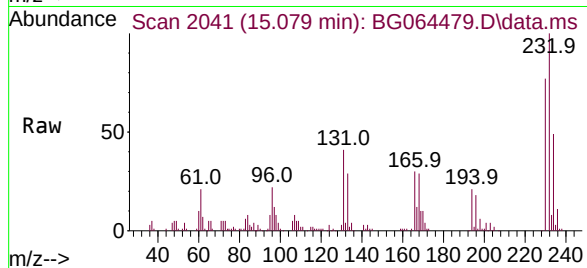
Tgt Ion:166 Resp: 272106
Ion Ratio Lower Upper
166 100
165 100.2 79.8 119.6
167 12.8 11.7 17.5





#59
2,3,4,6-Tetrachlorophenol
Concen: 62.984 ng
RT: 15.079 min Scan# 2041
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

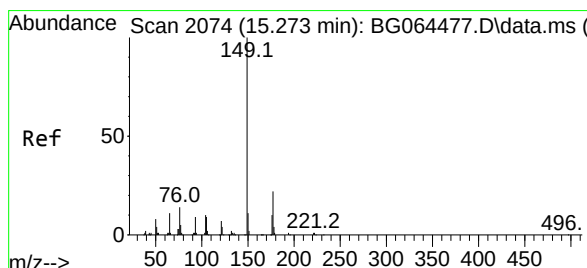
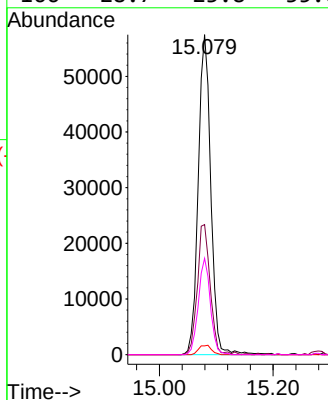
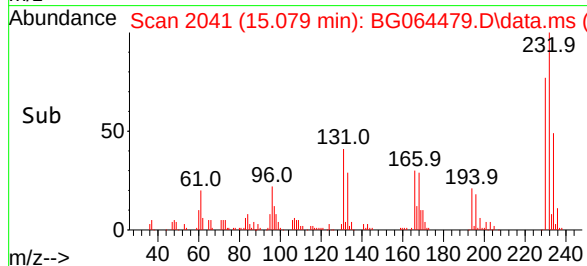
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



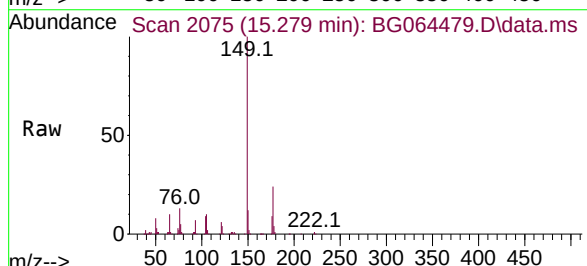
Tgt Ion:232 Resp: 87720
Ion Ratio Lower Upper
232 100
131 41.8 35.0 52.4
130 3.0 2.0 3.0
166 28.7 23.8 35.6

Manual Integrations
APPROVED

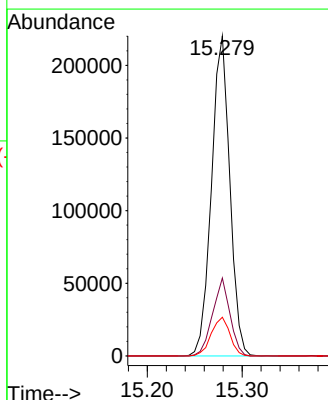
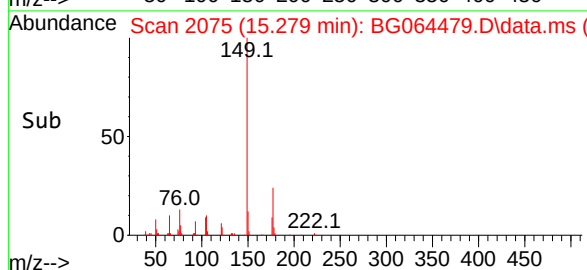
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

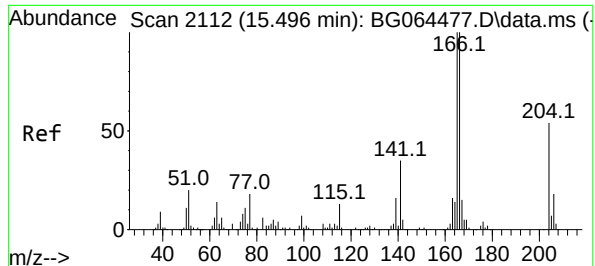


#60
Diethylphthalate
Concen: 59.367 ng
RT: 15.279 min Scan# 2075
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



Tgt Ion:149 Resp: 295396
Ion Ratio Lower Upper
149 100
177 24.3 17.4 26.0
150 12.1 9.1 13.7





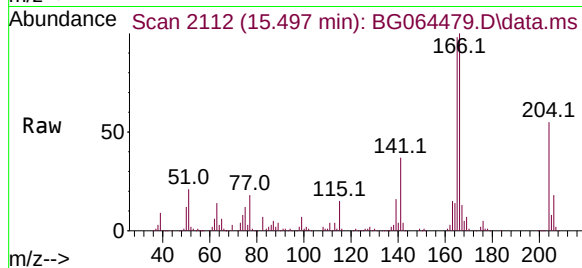
#61
4-Chlorophenyl-phenylether
Concen: 59.213 ng
RT: 15.497 min Scan# 2112
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

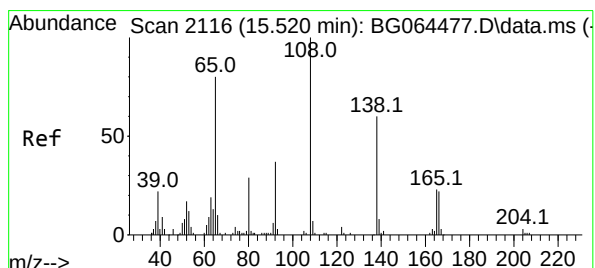
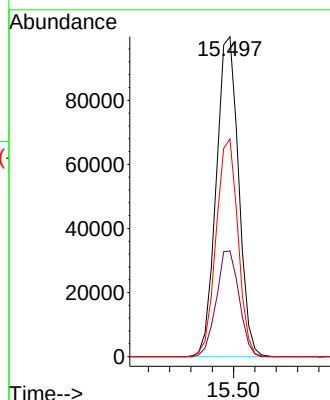
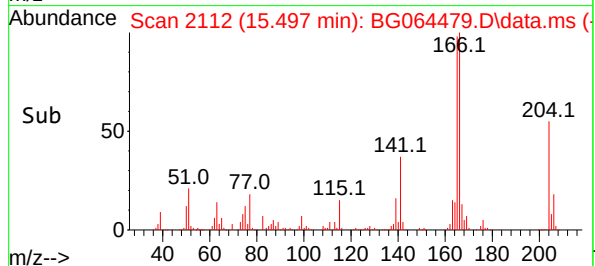


Tgt Ion:204 Resp: 14554
Ion Ratio Lower Upper
204 100
206 33.0 27.1 40.7
141 68.0 51.5 77.3

Manual Integrations

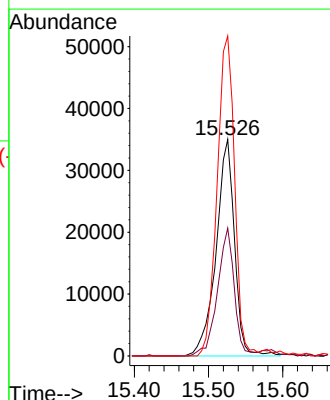
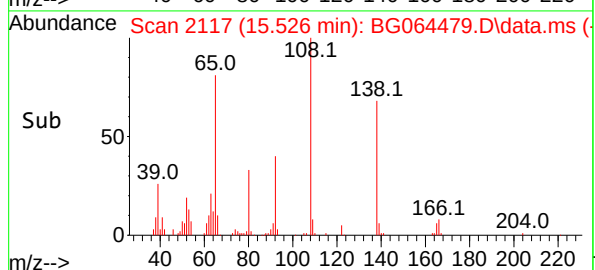
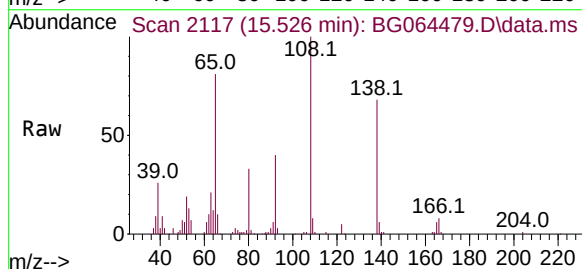
APPROVED

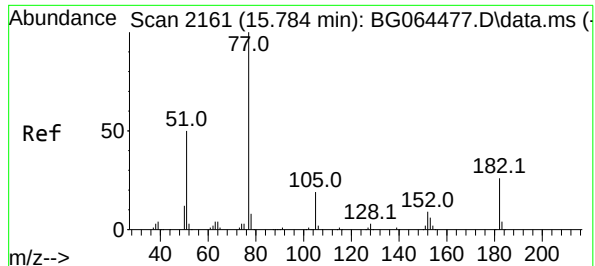
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#62
4-Nitroaniline
Concen: 65.117 ng
RT: 15.526 min Scan# 2117
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

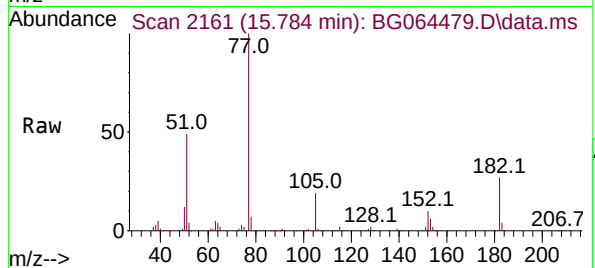
Tgt Ion:138 Resp: 60477
Ion Ratio Lower Upper
138 100
92 59.0 42.3 82.3
108 147.9 147.7 187.7





#63
Azobenzene
Concen: 59.443 ng
RT: 15.784 min Scan# 2161
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

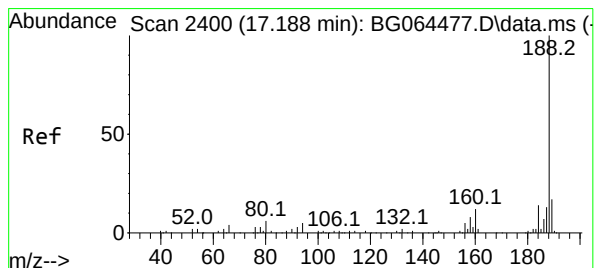
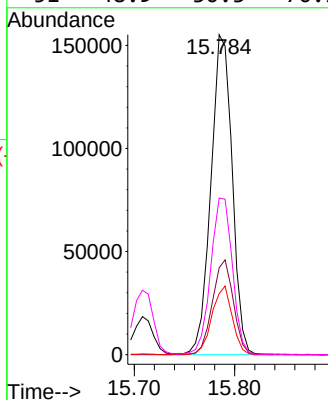
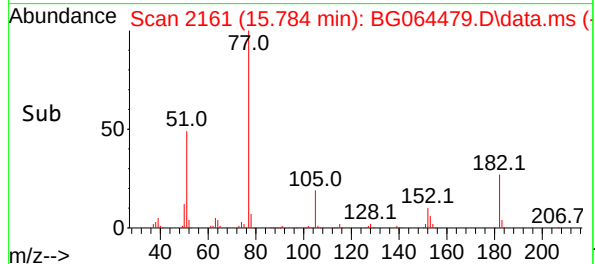
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



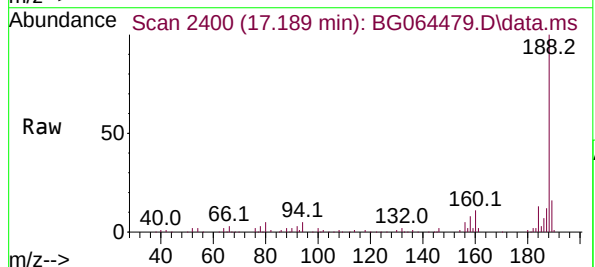
Tgt Ion: 77 Resp: 229063
Ion Ratio Lower Upper
77 100
182 27.1 6.3 46.3
105 19.0 0.0 38.7
51 48.9 30.3 70.3

Manual Integrations
APPROVED

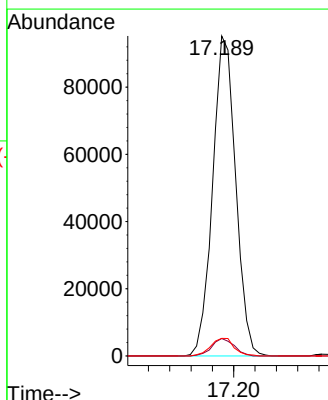
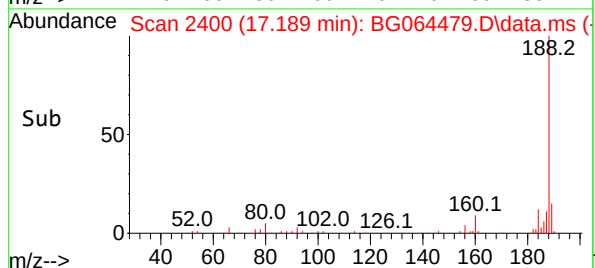
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

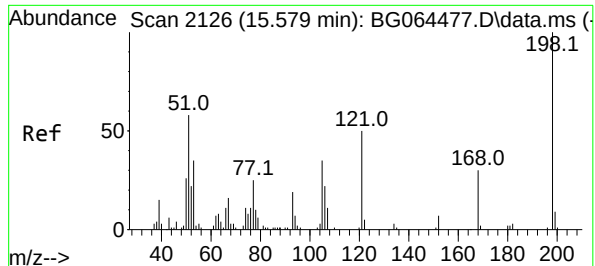


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



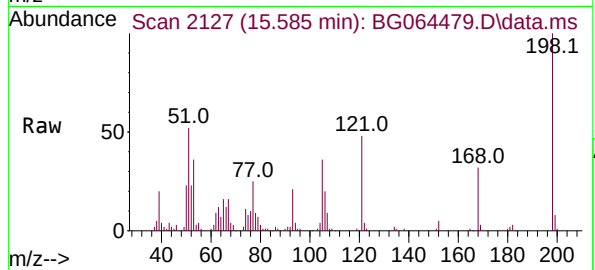
Tgt Ion:188 Resp: 143075
Ion Ratio Lower Upper
188 100
94 5.4 3.7 5.5
80 5.5 4.5 6.7





#65
4,6-Dinitro-2-methylphenol
Concen: 62.533 ng
RT: 15.585 min Scan# 2127
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

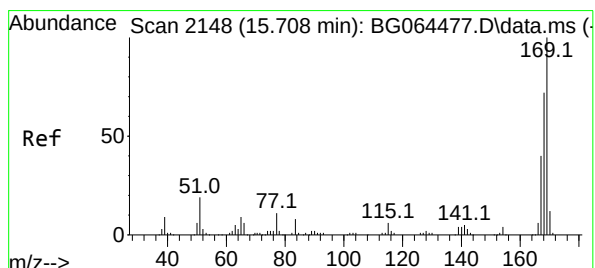
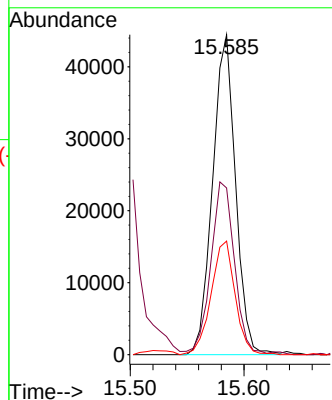
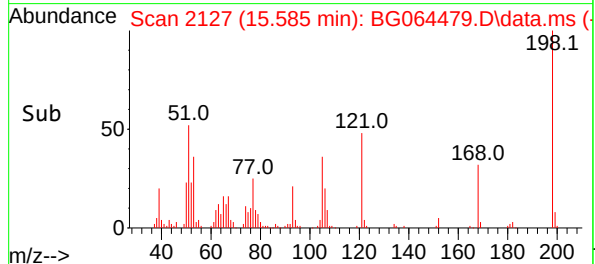
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



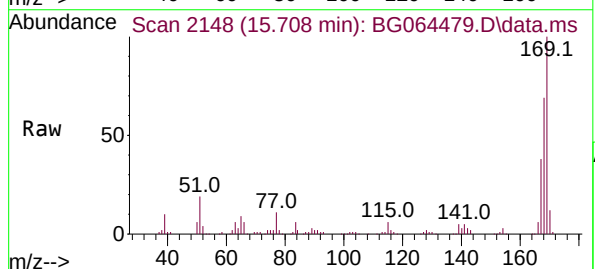
Tgt Ion:198 Resp: 62295
Ion Ratio Lower Upper
198 100
51 52.1 39.0 79.0
105 35.5 15.8 55.8

Manual Integrations
APPROVED

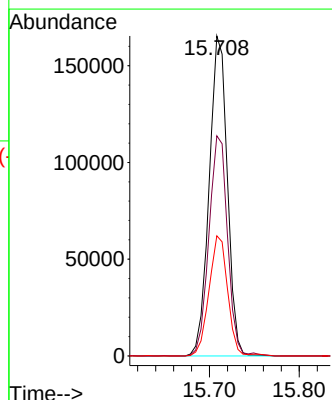
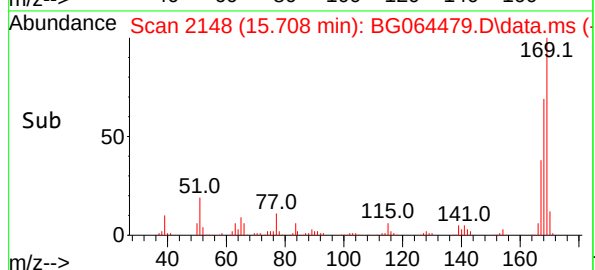
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

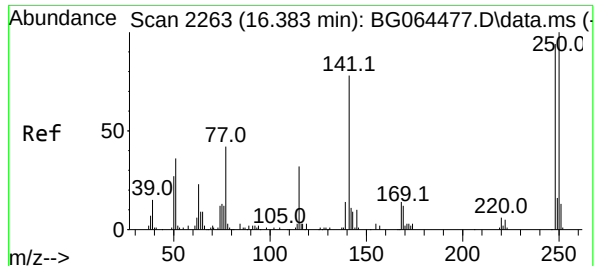


#66
n-Nitrosodiphenylamine
Concen: 60.822 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



Tgt Ion:169 Resp: 232383
Ion Ratio Lower Upper
169 100
168 68.8 57.8 86.6
167 37.5 31.7 47.5





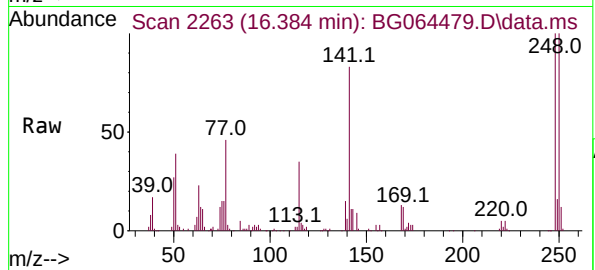
#67
4-Bromophenyl-phenylether
Concen: 60.380 ng
RT: 16.384 min Scan# 2165
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

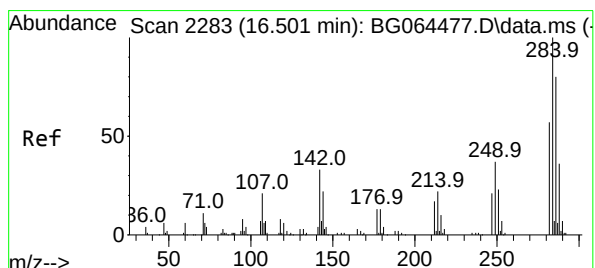
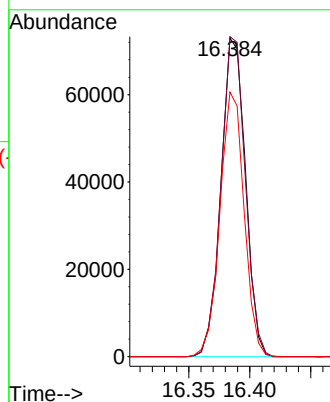
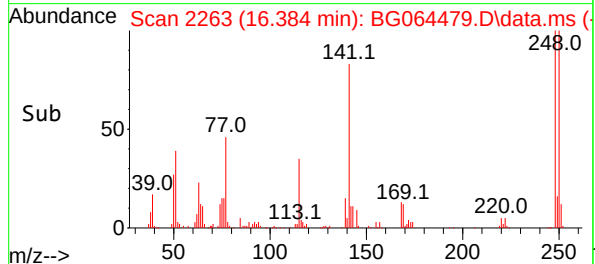


Tgt Ion:248 Resp: 101659
Ion Ratio Lower Upper
248 100
250 100.5 85.3 127.9
141 83.1 66.2 99.2

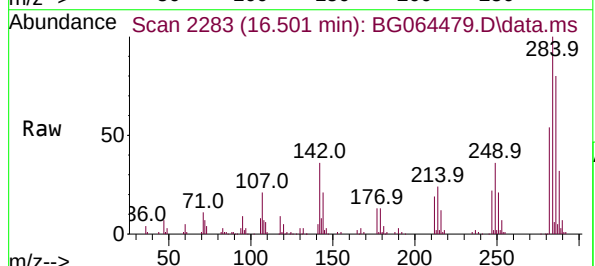
Manual Integrations

APPROVED

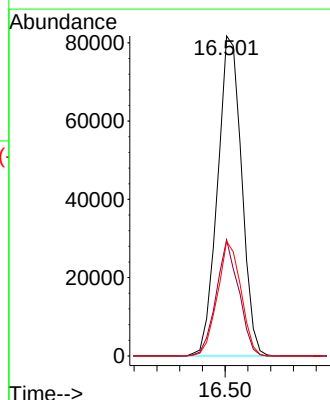
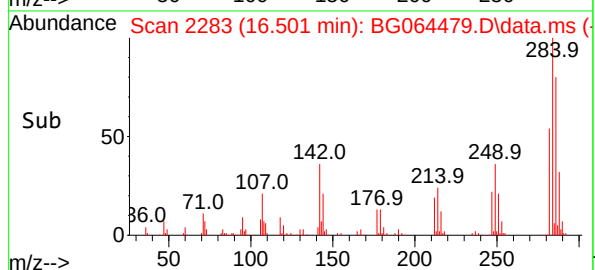
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

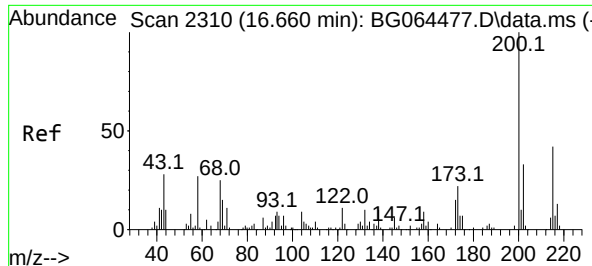


#68
Hexachlorobenzene
Concen: 62.318 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



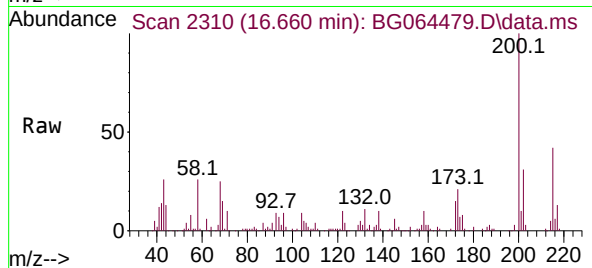
Tgt Ion:284 Resp: 120060
Ion Ratio Lower Upper
284 100
142 36.3 26.2 39.2
249 35.8 29.4 44.0





#69
Atrazine
Concen: 60.299 ng
RT: 16.660 min Scan# 2310
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

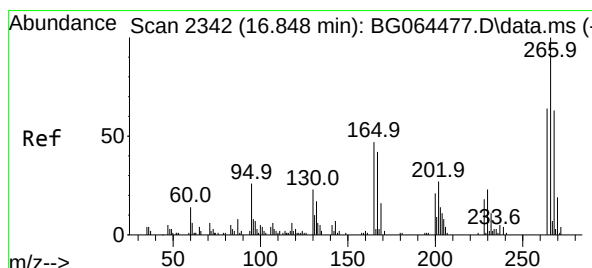
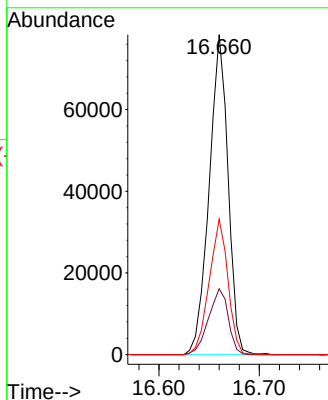
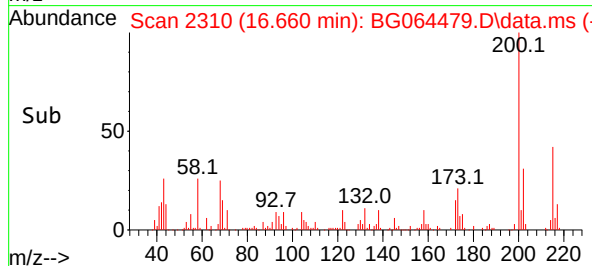
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



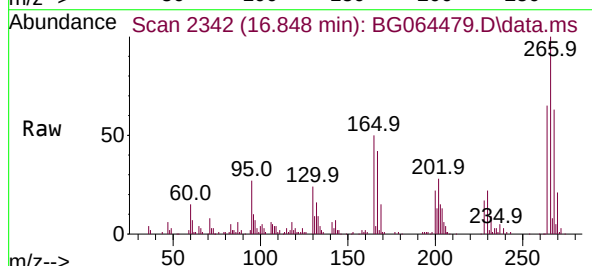
Tgt Ion:200 Resp: 102498
Ion Ratio Lower Upper
200 100
173 20.6 2.5 42.5
215 42.3 21.5 61.5

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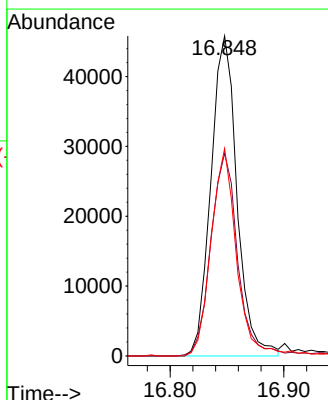
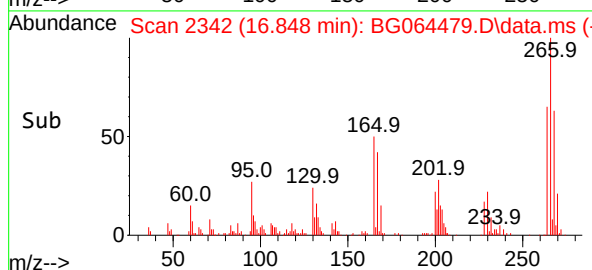
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

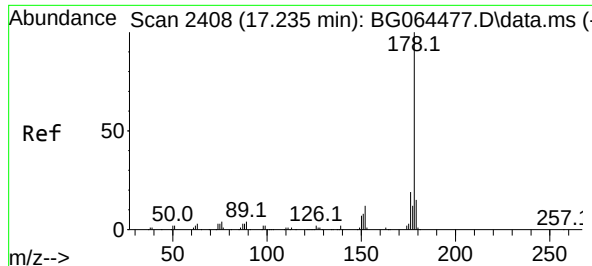


#70
Pentachlorophenol
Concen: 64.730 ng
RT: 16.848 min Scan# 2342
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



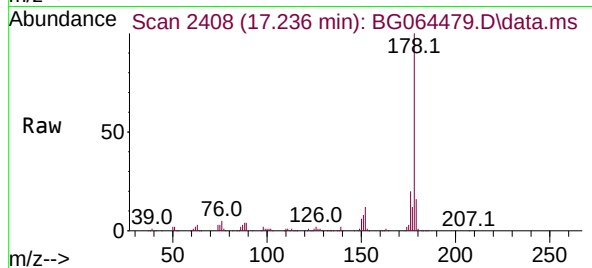
Tgt Ion:266 Resp: 72916
Ion Ratio Lower Upper
266 100
268 63.3 50.6 75.8
264 64.8 51.2 76.8





#71
Phenanthrene
Concen: 60.221 ng
RT: 17.236 min Scan# 2408
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

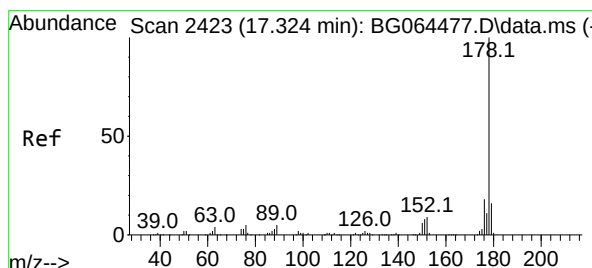
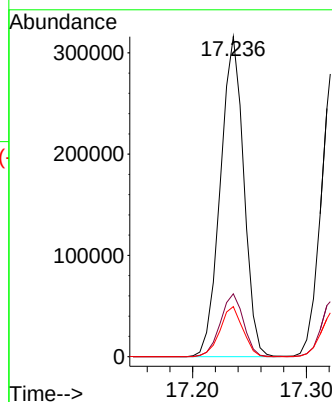
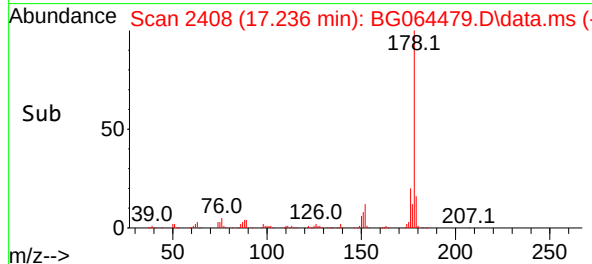
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:178 Resp: 450582
Ion Ratio Lower Upper
178 100
176 19.6 15.2 22.8
179 15.6 11.8 17.6

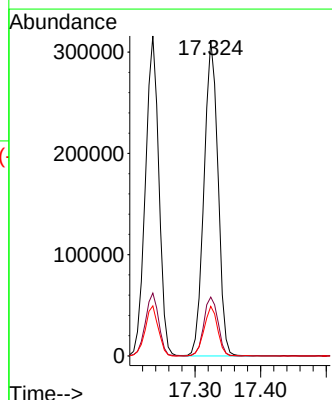
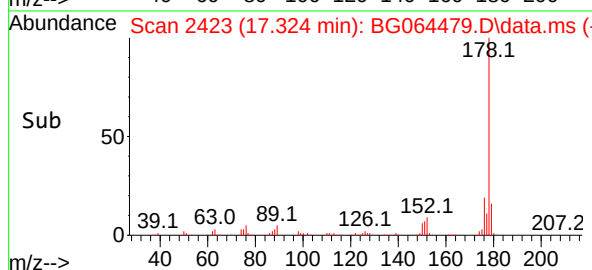
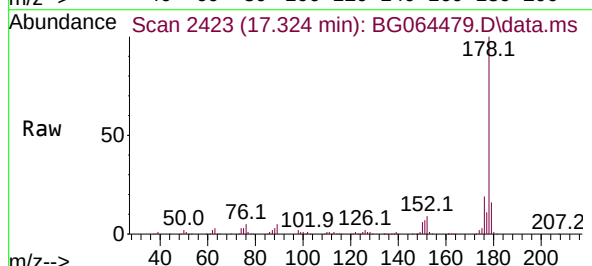
Manual Integrations
APPROVED

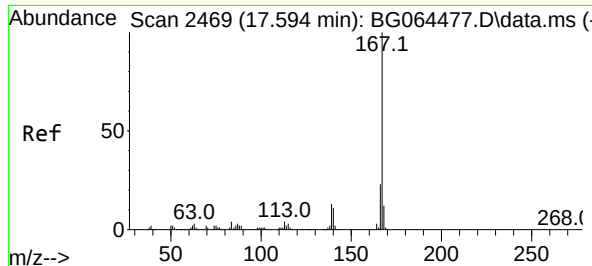
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#72
Anthracene
Concen: 61.100 ng
RT: 17.324 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

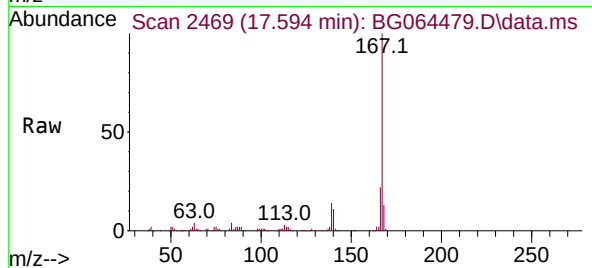
Tgt Ion:178 Resp: 458626
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.7 12.5 18.7





#73
 Carbazole
 Concen: 60.961 ng
 RT: 17.594 min Scan# 2469
 Delta R.T. 0.003 min
 Lab File: BG064479.D
 Acq: 2 Oct 2025 13:35

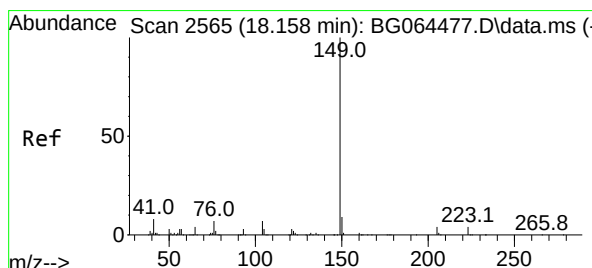
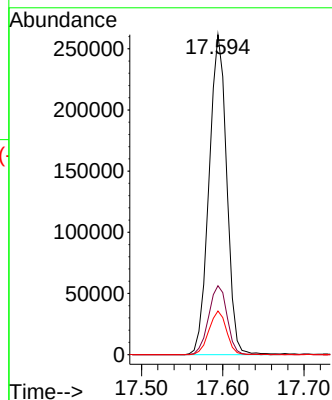
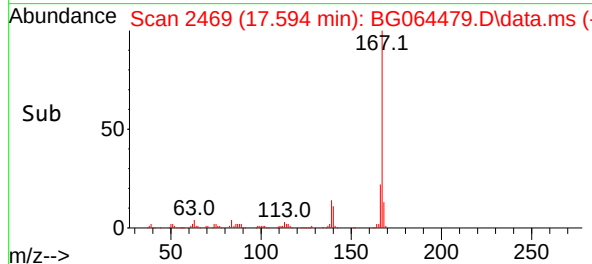
Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC060



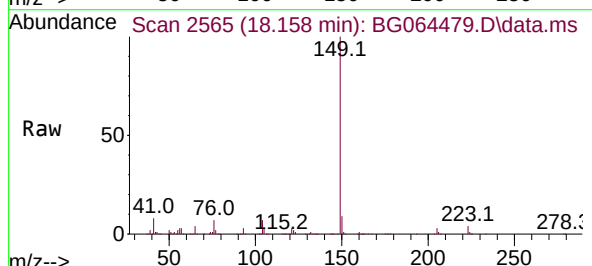
Tgt Ion:167 Resp: 395523
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.6 27.8
 139 13.6 10.2 15.4

Manual Integrations
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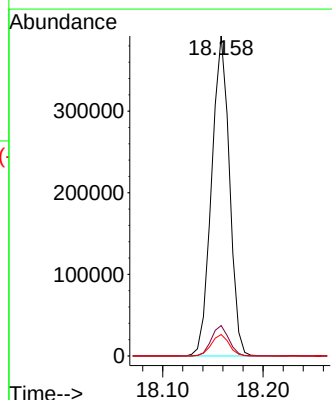
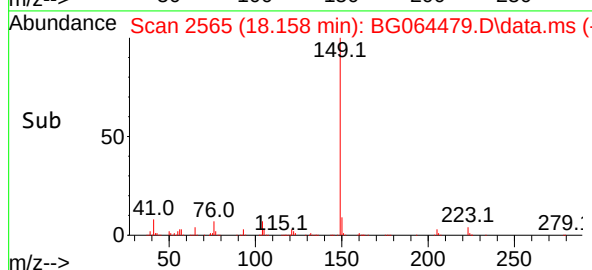
Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

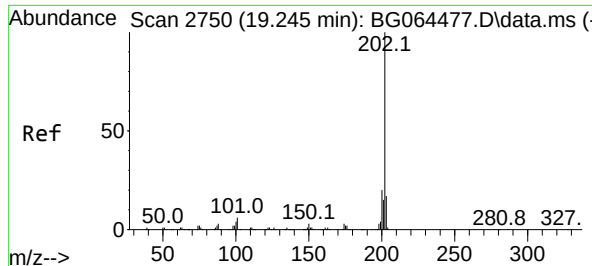


#74
 Di-n-butylphthalate
 Concen: 61.267 ng
 RT: 18.158 min Scan# 2565
 Delta R.T. 0.003 min
 Lab File: BG064479.D
 Acq: 2 Oct 2025 13:35



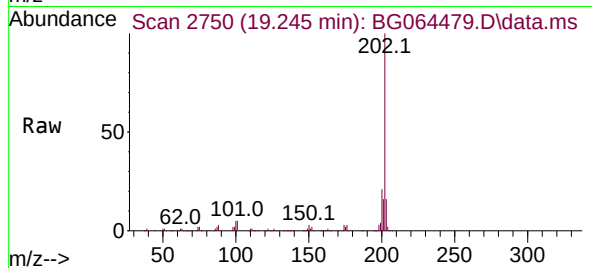
Tgt Ion:149 Resp: 485256
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.4 11.2
 104 6.7 5.3 7.9





#75
Fluoranthene
Concen: 60.154 ng
RT: 19.245 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

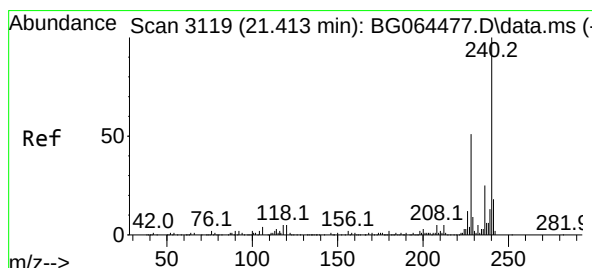
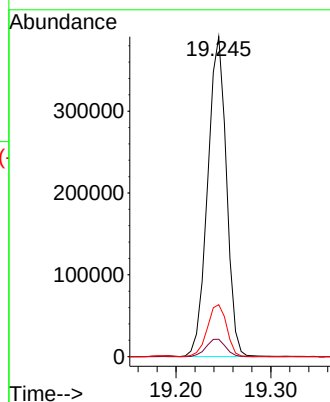
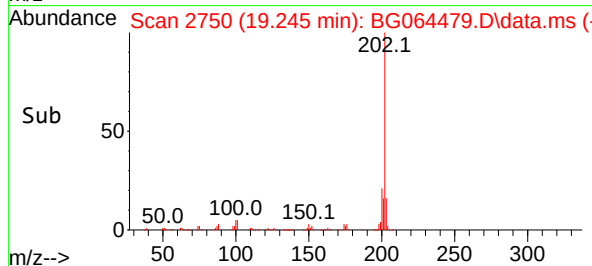
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



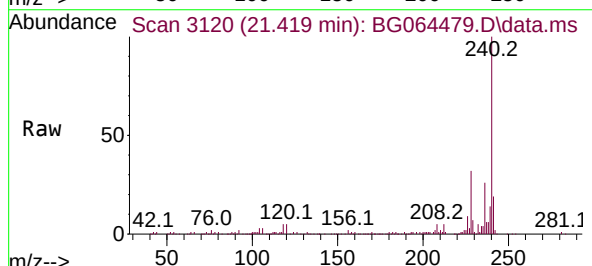
Tgt Ion:202 Resp: 537693
Ion Ratio Lower Upper
202 100
101 5.4 0.0 25.7
203 16.3 0.0 36.6

Manual Integrations
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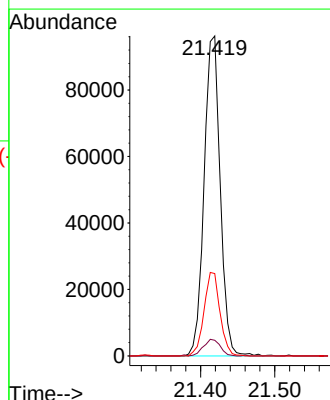
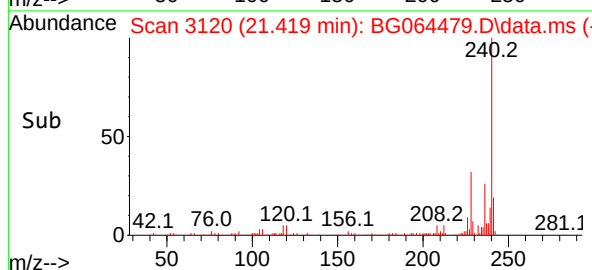
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

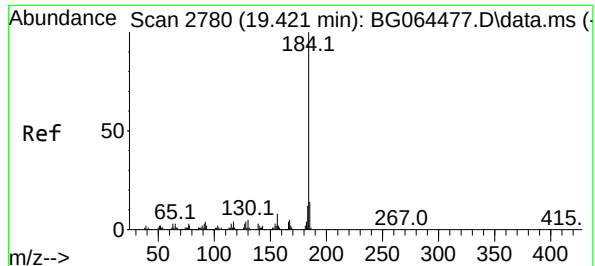


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.419 min Scan# 3120
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



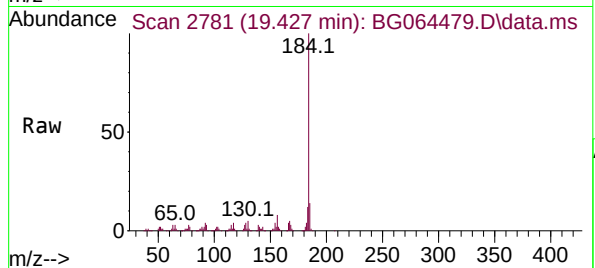
Tgt Ion:240 Resp: 144920
Ion Ratio Lower Upper
240 100
120 4.9 4.3 6.5
236 25.7 20.4 30.6





#77
Benzidine
Concen: 74.880 ng
RT: 19.427 min Scan# 2780
Delta R.T. 0.002 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

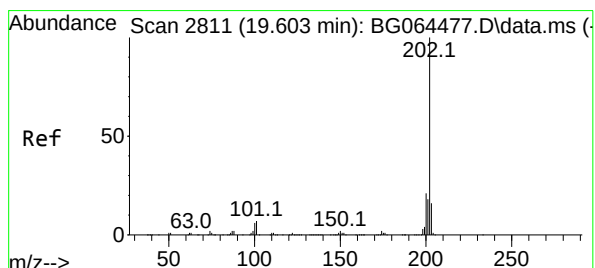
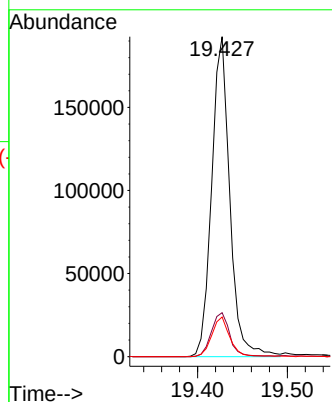
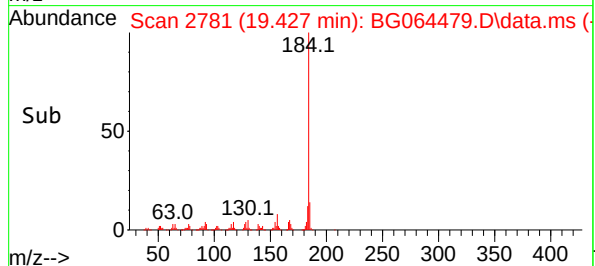
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:184 Resp: 270028
Ion Ratio Lower Upper
184 100
185 13.7 10.9 16.3
183 12.4 9.8 14.6

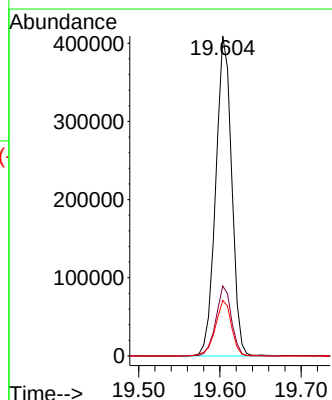
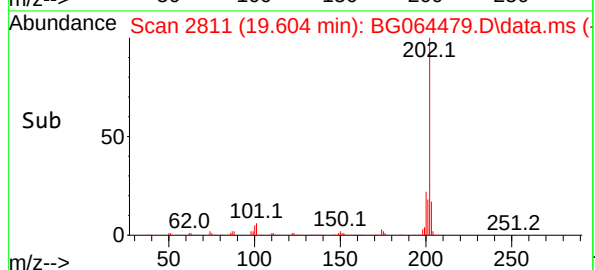
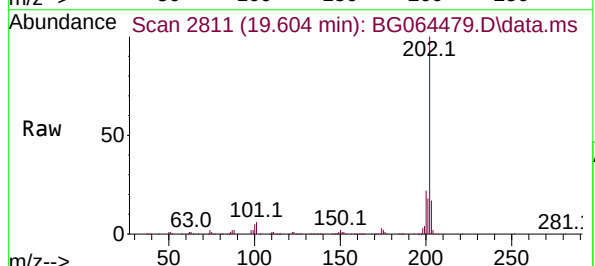
Manual Integrations
APPROVED

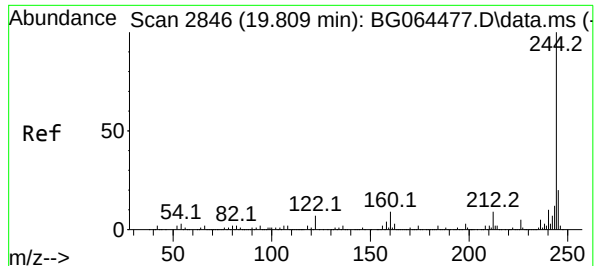
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#78
Pyrene
Concen: 59.207 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

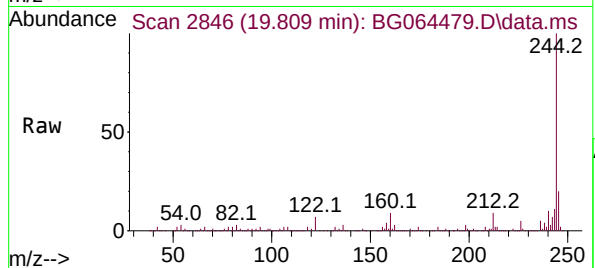
Tgt Ion:202 Resp: 556837
Ion Ratio Lower Upper
202 100
200 21.9 17.0 25.4
203 17.3 13.0 19.4





#79
Terphenyl-d14
Concen: 118.598 ng
RT: 19.809 min Scan# 2846
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

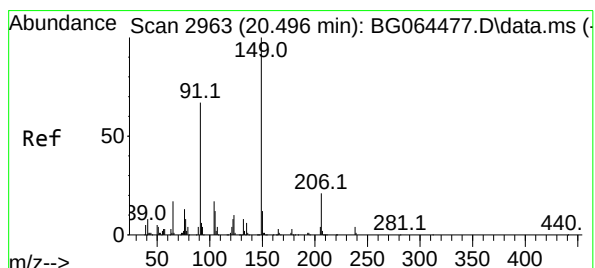
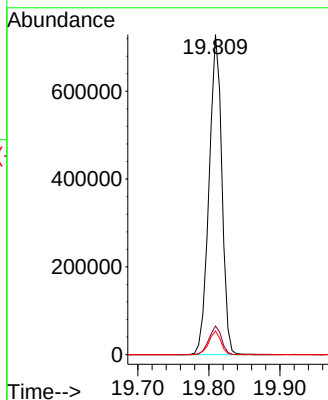
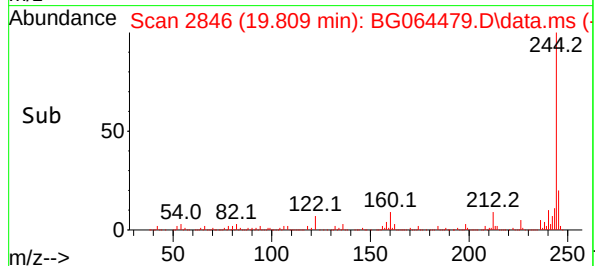
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



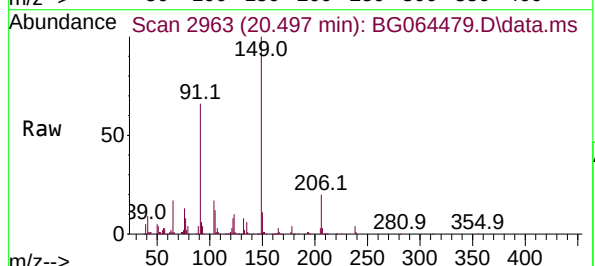
Tgt Ion:244 Resp: 908174
Ion Ratio Lower Upper
244 100
212 8.9 7.0 10.6
122 7.4 5.6 8.4

Manual Integrations
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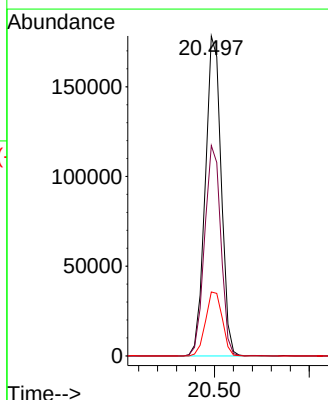
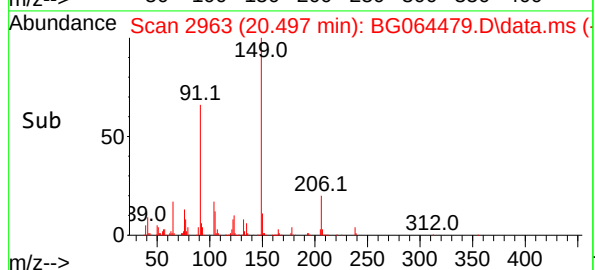
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

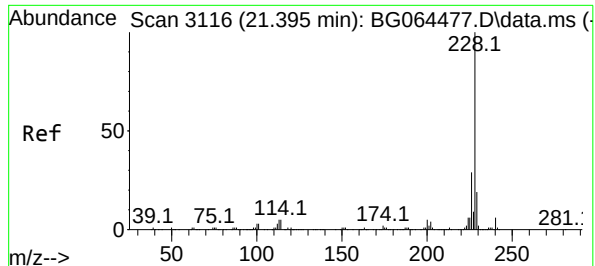


#80
Butylbenzylphthalate
Concen: 62.426 ng
RT: 20.497 min Scan# 2963
Delta R.T. -0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



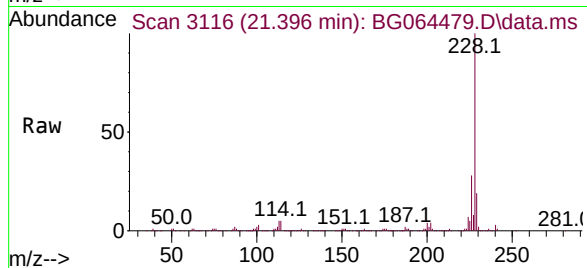
Tgt Ion:149 Resp: 208125
Ion Ratio Lower Upper
149 100
91 65.7 53.7 80.5
206 20.0 16.6 24.8





#81
Benzo(a)anthracene
Concen: 60.676 ng
RT: 21.396 min Scan# 3116
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

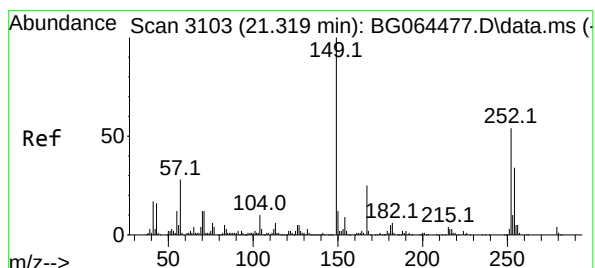
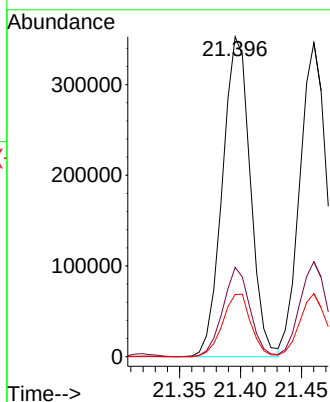
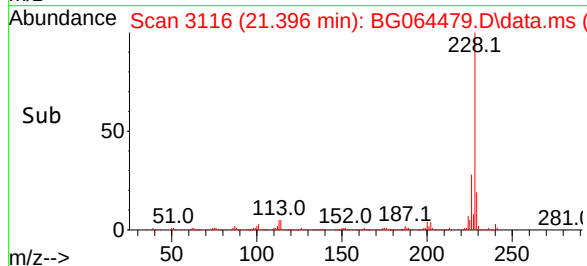
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



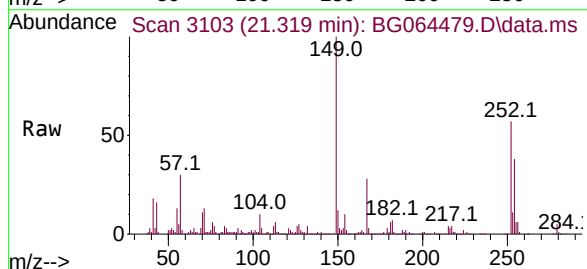
Tgt Ion:228 Resp: 561451
Ion Ratio Lower Upper
228 100
226 27.9 22.8 34.2
229 19.4 15.2 22.8

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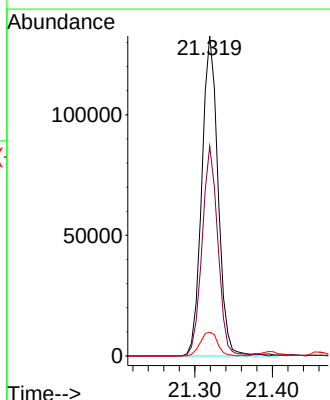
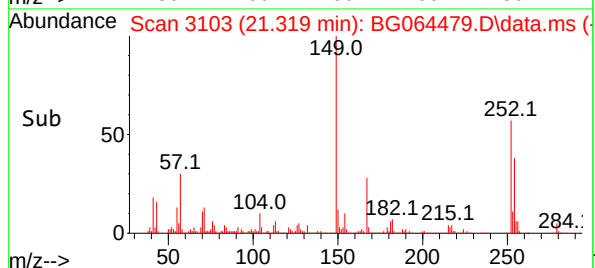
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

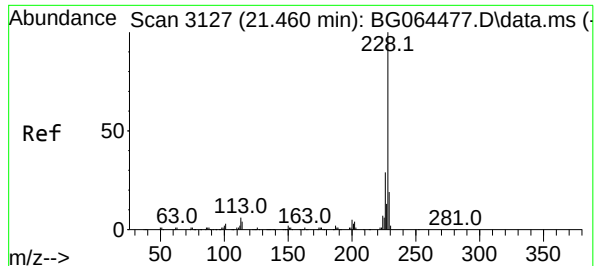


#82
3,3'-Dichlorobenzidine
Concen: 61.540 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



Tgt Ion:252 Resp: 192733
Ion Ratio Lower Upper
252 100
254 65.6 50.5 75.7
126 7.4 7.1 10.7





#83

Chrysene

Concen: 59.928 ng

RT: 21.460 min Scan# 3127

Delta R.T. 0.009 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:228 Resp: 525893

Ion Ratio Lower Upper

228 100

226 30.2 22.8 34.2

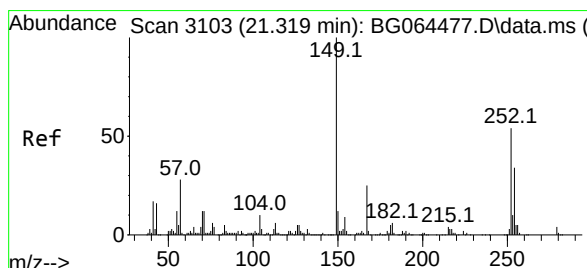
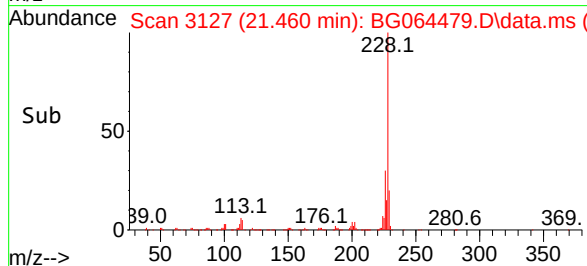
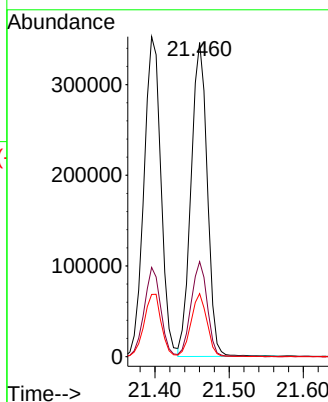
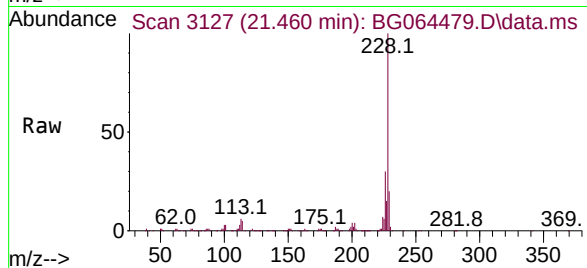
229 20.0 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.932 ng

RT: 21.319 min Scan# 3103

Delta R.T. 0.003 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

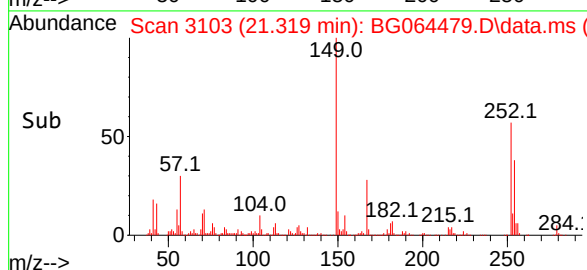
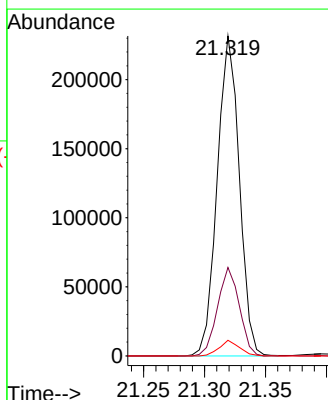
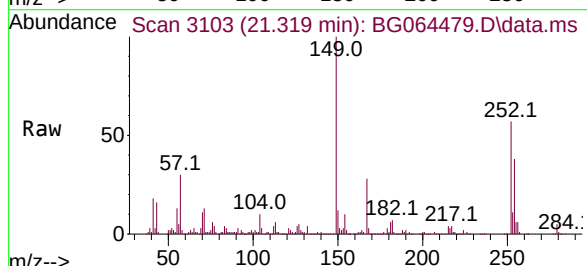
Tgt Ion:149 Resp: 291329

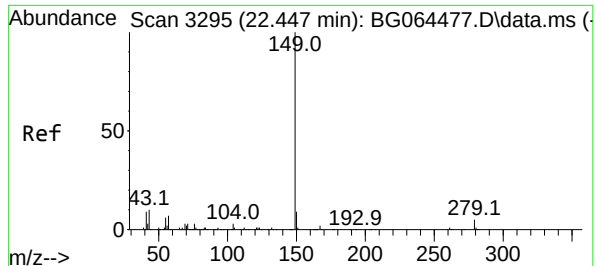
Ion Ratio Lower Upper

149 100

167 27.6 19.7 29.5

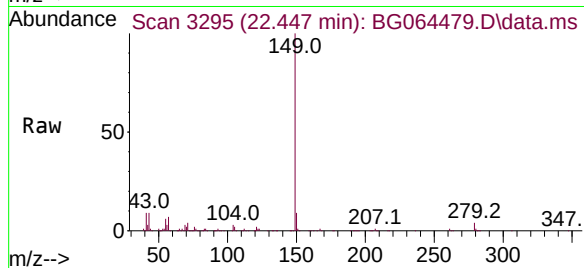
279 4.9 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 61.881 ng
RT: 22.447 min Scan# 3295
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

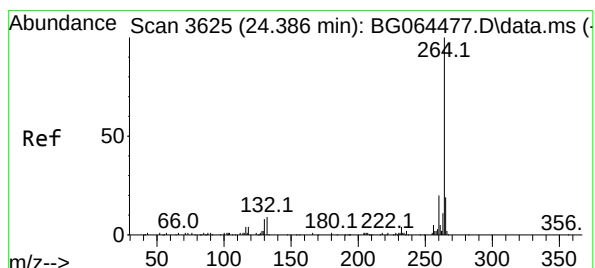
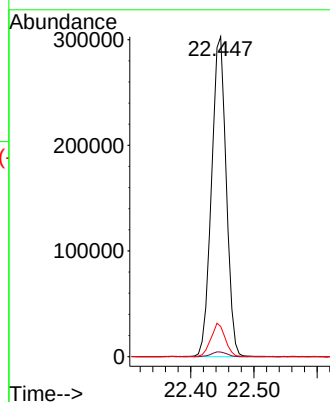
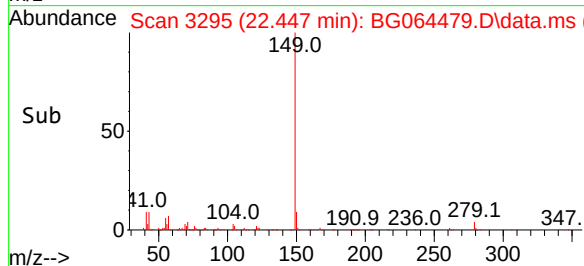
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



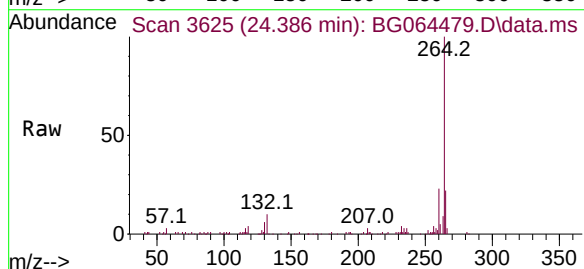
Tgt Ion:149 Resp: 489220
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 10.2 7.9 11.9

Manual Integrations
APPROVED

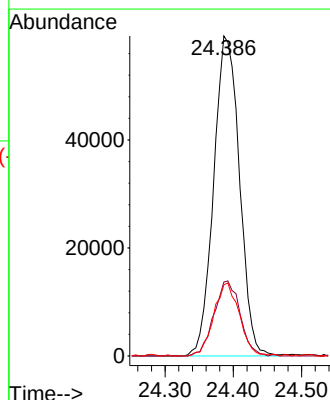
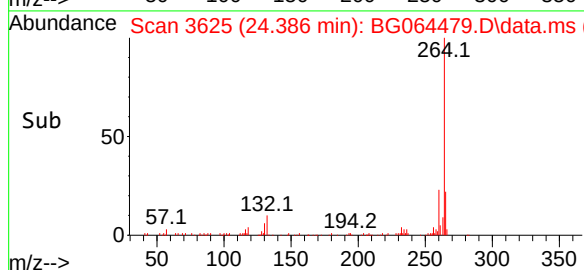
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

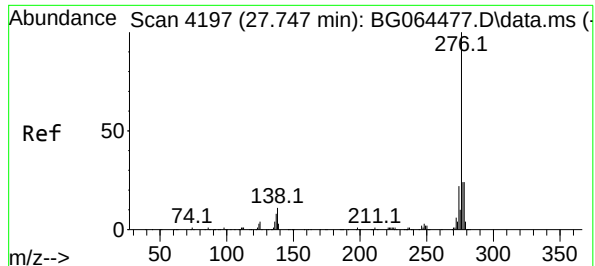


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.386 min Scan# 3625
Delta R.T. -0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35



Tgt Ion:264 Resp: 155027
Ion Ratio Lower Upper
264 100
260 23.1 16.2 24.4
265 22.3 15.0 22.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.679 ng

RT: 27.747 min Scan# 4197

Delta R.T. 0.015 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:276 Resp: 665573

Ion Ratio Lower Upper

276 100

138 7.6 10.8 16.2

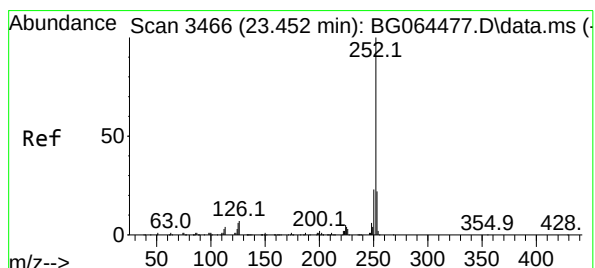
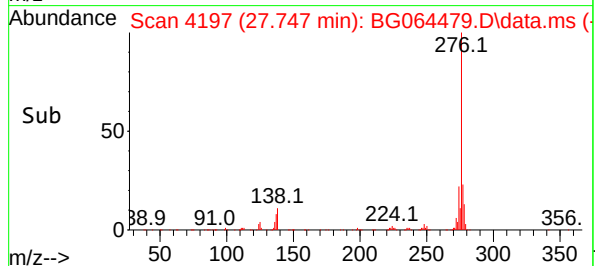
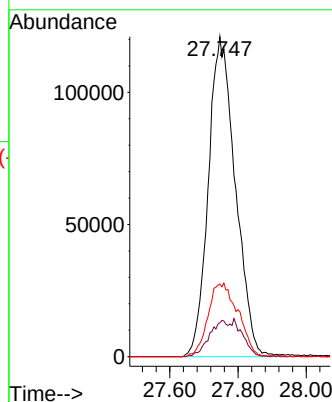
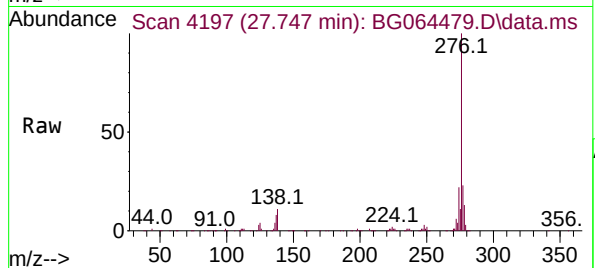
277 25.4 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#88

Benzo(b)fluoranthene

Concen: 61.635 ng

RT: 23.452 min Scan# 3466

Delta R.T. 0.003 min

Lab File: BG064479.D

Acq: 2 Oct 2025 13:35

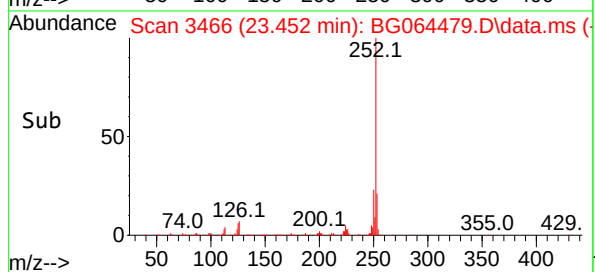
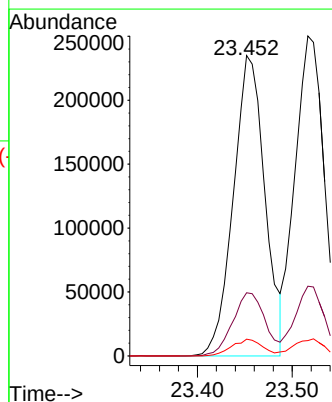
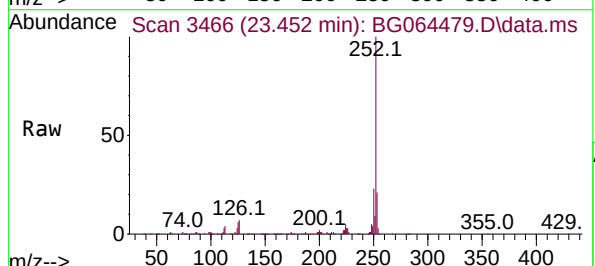
Tgt Ion:252 Resp: 543592

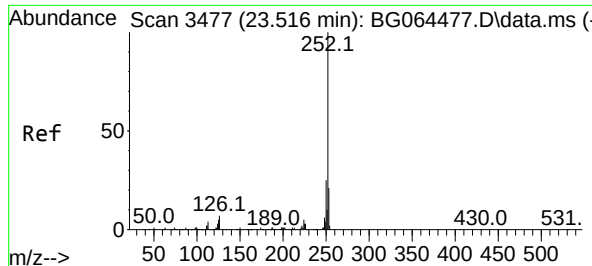
Ion Ratio Lower Upper

252 100

253 21.0 17.5 26.3

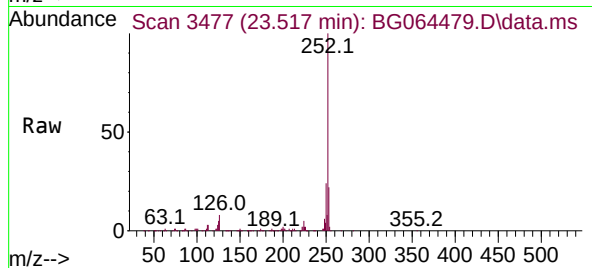
125 5.6 4.5 6.7





#89
Benzo(k)fluoranthene
Concen: 60.551 ng
RT: 23.517 min Scan# 3477
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

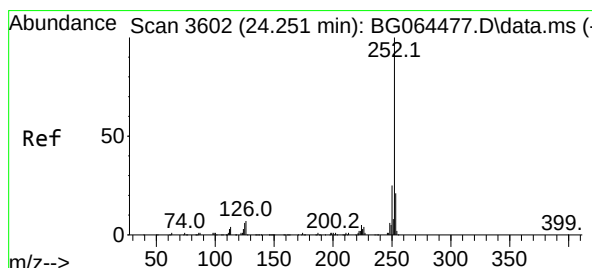
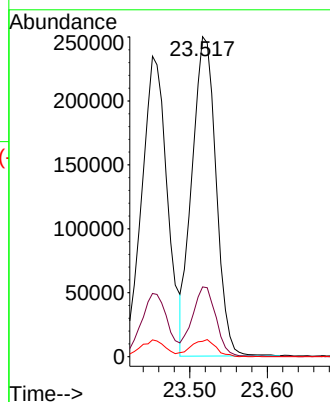
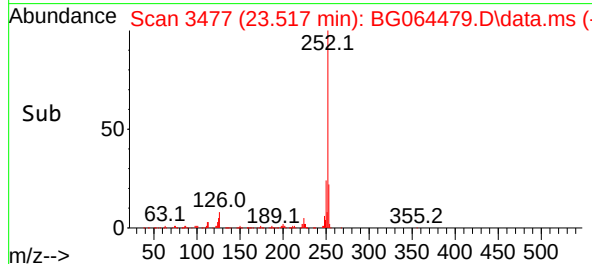
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:252 Resp: 537854
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 4.8 4.0 6.0

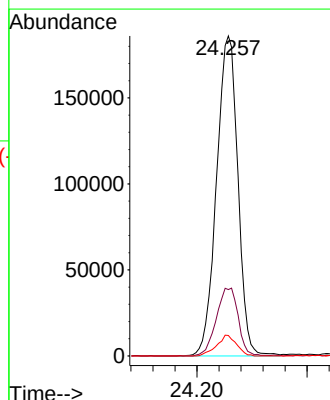
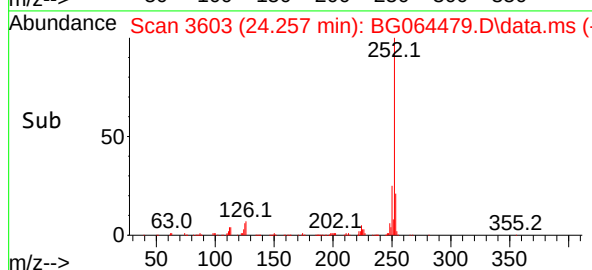
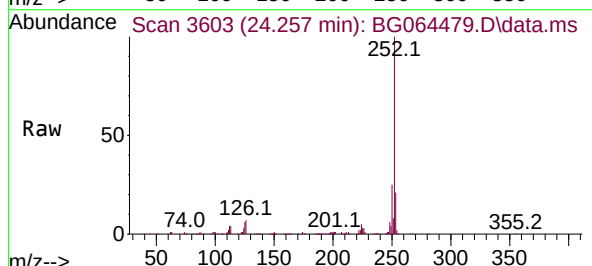
Manual Integrations
APPROVED

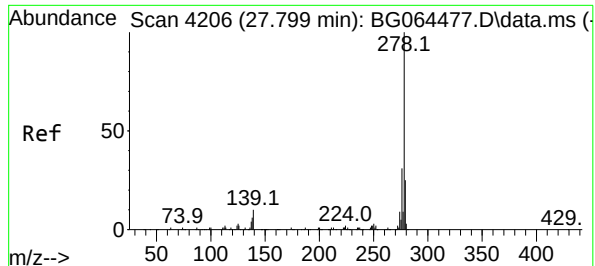
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#90
Benzo(a)pyrene
Concen: 61.533 ng
RT: 24.257 min Scan# 3603
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

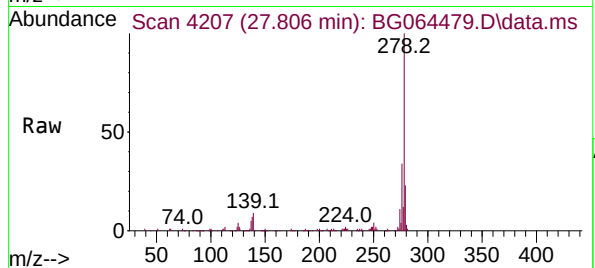
Tgt Ion:252 Resp: 500159
Ion Ratio Lower Upper
252 100
253 20.7 17.1 25.7
125 6.4 4.6 6.8





#91
Dibenzo(a,h)anthracene
Concen: 62.043 ng
RT: 27.806 min Scan# 4376
Delta R.T. 0.026 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

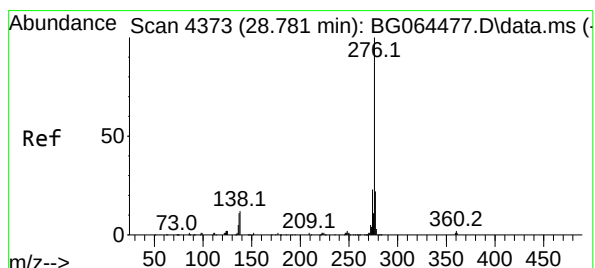
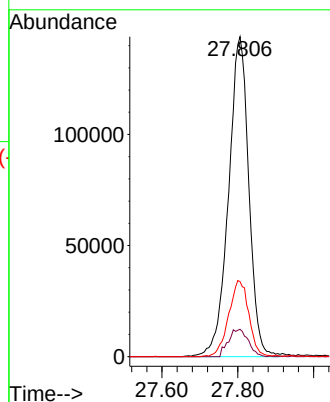
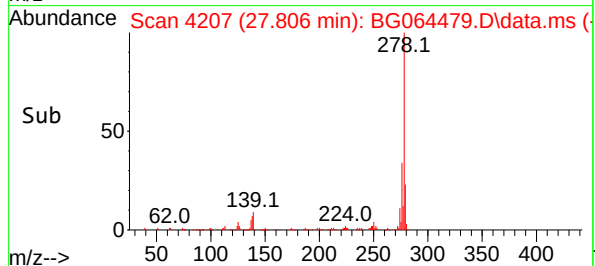
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:278 Resp: 535408
Ion Ratio Lower Upper
278 100
139 8.6 8.2 12.2
279 23.4 19.6 29.4

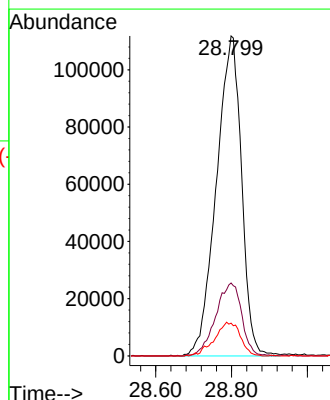
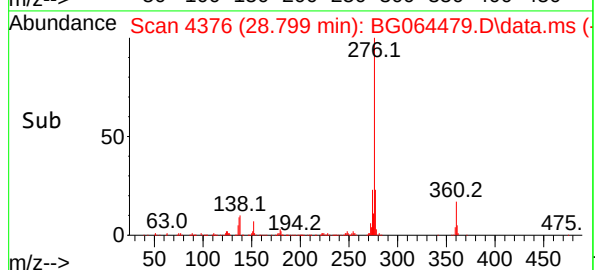
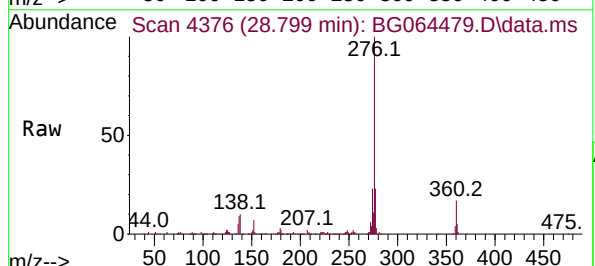
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 61.207 ng
RT: 28.799 min Scan# 4376
Delta R.T. 0.032 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:276 Resp: 513293
Ion Ratio Lower Upper
276 100
277 22.8 17.8 26.6
138 10.2 9.4 14.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064480.D
 Acq On : 2 Oct 2025 14:16
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 16:53:24 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	22534	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	94569	20.000	ng	0.00
39) Acenaphthene-d10	14.453	164	72073	20.000	ng	0.00
64) Phenanthrene-d10	17.191	188	168856	20.000	ng	0.00
76) Chrysene-d12	21.415	240	171497	20.000	ng	0.00
86) Perylene-d12	24.394	264	185893	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	189884	155.949	ng	0.01
7) Phenol-d6	7.009	99	250763	153.254	ng	0.02
23) Nitrobenzene-d5	8.989	82	279078	158.678	ng	0.02
42) 2,4,6-Tribromophenol	15.945	330	200950	153.817	ng	0.01
45) 2-Fluorobiphenyl	13.078	172	755535	154.518	ng	0.01
79) Terphenyl-d14	19.811	244	1375899	151.833	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.325	88	34310	71.240	ng	94
3) Pyridine	3.718	79	97843	75.592	ng	93
4) n-Nitrosodimethylamine	3.636	42	73356	78.177	ng	92
6) Aniline	7.161	93	155867	75.518	ng	98
8) 2-Chlorophenol	7.396	128	114558	76.619	ng	98
9) Benzaldehyde	6.968	77	93496	64.370	ng	96
10) Phenol	7.032	94	134875	78.138	ng	97
11) bis(2-Chloroethyl)ether	7.255	93	89425	76.500	ng	98
12) 1,3-Dichlorobenzene	7.720	146	122844	75.107	ng	98
13) 1,4-Dichlorobenzene	7.861	146	124619	75.917	ng	97
14) 1,2-Dichlorobenzene	8.178	146	120364	74.398	ng	95
15) Benzyl Alcohol	8.066	79	118265	78.483	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.348	45	140388	74.507	ng	96
17) 2-Methylphenol	8.272	107	97064	77.657	ng	97
18) Hexachloroethane	8.901	117	49027	75.666	ng	90
19) n-Nitroso-di-n-propyla...	8.636	70	83485	76.290	ng	91
20) 3+4-Methylphenols	8.607	107	134638	77.191	ng	95
22) Acetophenone	8.648	105	183701	80.227	ng	# 98
24) Nitrobenzene	9.024	77	135264	77.123	ng	97
25) Isophorone	9.553	82	245935	77.188	ng	98
26) 2-Nitrophenol	9.729	139	68332	78.281	ng	93
27) 2,4-Dimethylphenol	9.794	122	106151	79.619	ng	95
28) bis(2-Chloroethoxy)met...	10.029	93	128813	79.313	ng	98
29) 2,4-Dichlorophenol	10.264	162	125552	81.436	ng	96
30) 1,2,4-Trichlorobenzene	10.481	180	131315	78.115	ng	94
31) Naphthalene	10.663	128	382573	78.560	ng	98
32) Benzoic acid	10.011	122	91798m	89.680	ng	
33) 4-Chloroaniline	10.769	127	148423	79.425	ng	97
34) Hexachlorobutadiene	10.951	225	109953	76.374	ng	94
35) Caprolactam	11.580	113	40333	76.417	ng	97
36) 4-Chloro-3-methylphenol	11.909	107	149274	79.618	ng	99
37) 2-Methylnaphthalene	12.273	142	291318	77.931	ng	97
38) 1-Methylnaphthalene	12.496	142	286731	76.924	ng	98
40) 1,2,4,5-Tetrachloroben...	12.643	216	186298	80.056	ng	99
41) Hexachlorocyclopentadiene	12.626	237	102505	84.207	ng	96
43) 2,4,6-Trichlorophenol	12.884	196	119404	80.265	ng	94

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064480.D
 Acq On : 2 Oct 2025 14:16
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 16:53:24 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.961	196	135525	81.602	ng	96
46) 1,1'-Biphenyl	13.290	154	399798	77.125	ng	100
47) 2-Chloronaphthalene	13.331	162	301691	77.951	ng	97
48) 2-Nitroaniline	13.530	65	105087	79.555	ng	97
49) Acenaphthylene	14.177	152	445834	77.600	ng	98
50) Dimethylphthalate	13.912	163	430419	76.251	ng	98
51) 2,6-Dinitrotoluene	14.036	165	91191	77.551	ng	91
52) Acenaphthene	14.518	154	305038	76.421	ng	99
53) 3-Nitroaniline	14.365	138	85333	78.688	ng	100
54) 2,4-Dinitrophenol	14.570	184	63374	74.326	ng	91
55) Dibenzofuran	14.852	168	505395	76.684	ng	99
56) 4-Nitrophenol	14.676	139	66912	78.369	ng	84
57) 2,4-Dinitrotoluene	14.823	165	137560	76.527	ng	96
58) Fluorene	15.505	166	420400	76.728	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.082	232	131866	77.799	ng	99
60) Diethylphthalate	15.281	149	454922	75.126	ng	99
61) 4-Chlorophenyl-phenyle...	15.499	204	228883	76.517	ng	99
62) 4-Nitroaniline	15.534	138	92207	81.579	ng	91
63) Azobenzene	15.793	77	350430	74.723	ng	96
65) 4,6-Dinitro-2-methylph...	15.587	198	97300	82.760	ng	97
66) n-Nitrosodiphenylamine	15.716	169	357258	79.230	ng	96
67) 4-Bromophenyl-phenylether	16.386	248	162931	81.997	ng	95
68) Hexachlorobenzene	16.509	284	182054	80.068	ng	97
69) Atrazine	16.662	200	148051	73.799	ng	99
70) Pentachlorophenol	16.850	266	117991	88.752	ng	97
71) Phenanthrene	17.238	178	682440	77.283	ng	99
72) Anthracene	17.326	178	694820	78.433	ng	99
73) Carbazole	17.596	167	594667	77.661	ng	99
74) Di-n-butylphthalate	18.160	149	726555	77.727	ng	100
75) Fluoranthene	19.247	202	812928	77.060	ng	99
77) Benzidine	19.424	184	246468	57.755	ng	98
78) Pyrene	19.606	202	844065	75.840	ng	99
80) Butylbenzylphthalate	20.499	149	314484	79.710	ng	96
81) Benzo(a)anthracene	21.398	228	859554	78.497	ng	98
82) 3,3'-Dichlorobenzidine	21.321	252	288449	77.829	ng	98
83) Chrysene	21.462	228	807967	77.803	ng	99
84) Bis(2-ethylhexyl)phtha...	21.321	149	451147	81.044	ng	97
85) Di-n-octyl phthalate	22.449	149	747301	79.877	ng	99
87) Indeno(1,2,3-cd)pyrene	27.767	276	1017303	78.621	ng	# 93
88) Benzo(b)fluoranthene	23.460	252	824972	78.008	ng	99
89) Benzo(k)fluoranthene	23.525	252	849303	79.738	ng	99
90) Benzo(a)pyrene	24.265	252	771257	79.130	ng	99
91) Dibenzo(a,h)anthracene	27.820	278	829660	80.178	ng	97
92) Benzo(g,h,i)perylene	28.818	276	778918	77.460	ng	99

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

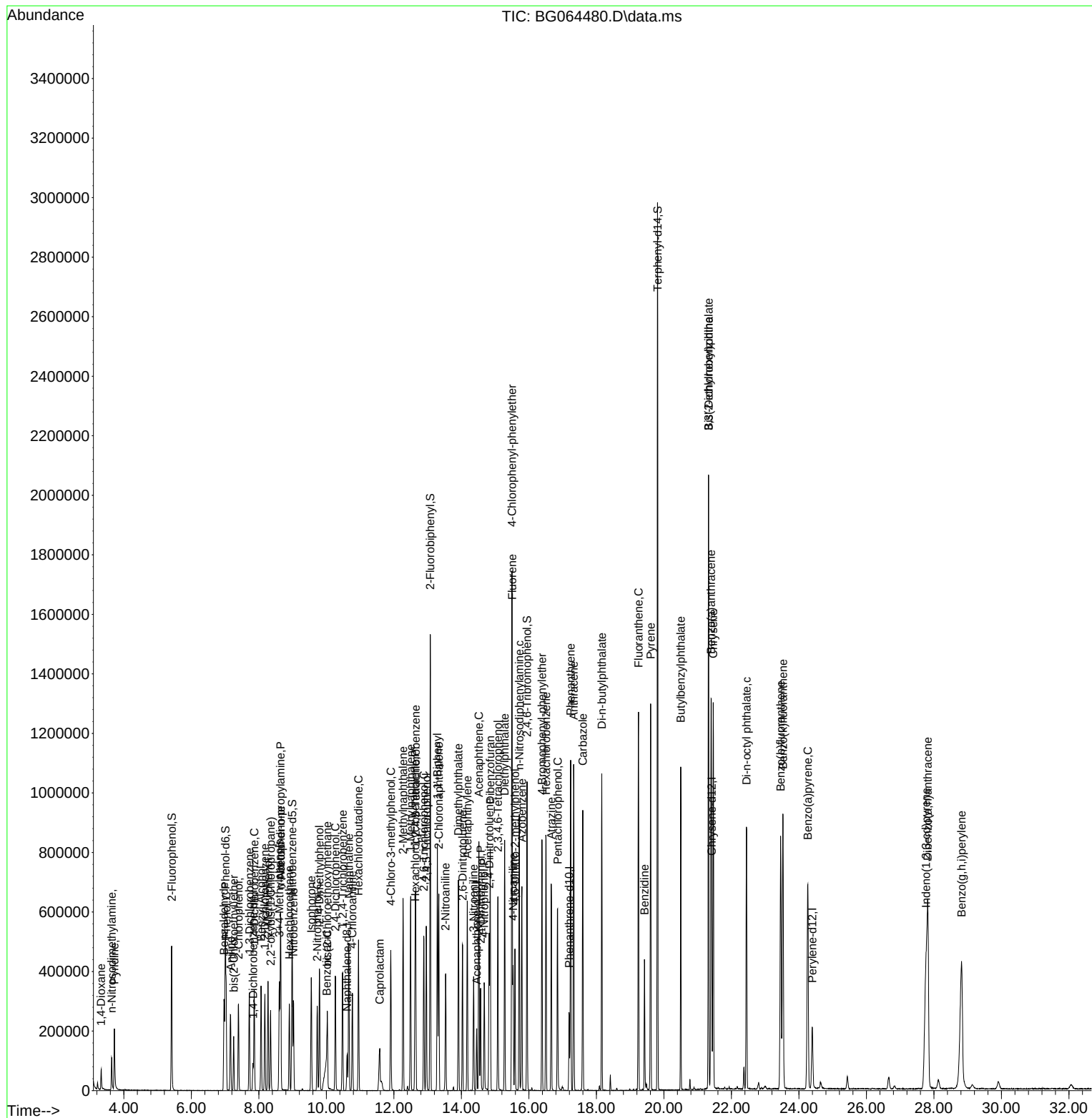
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Data File : BG064480.D  
Acq On    : 2 Oct 2025 14:16  
Operator  : RC/JU  
Sample    : SSTDICC080  
Misc      :  
ALS Vial  : 9 Sample Multiplier: 1
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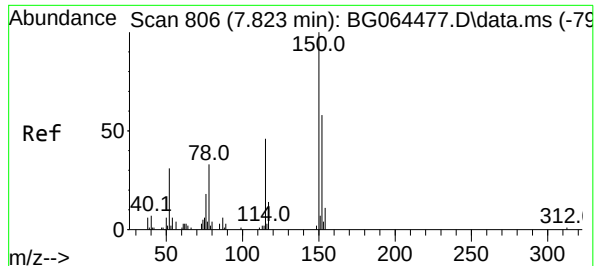
Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

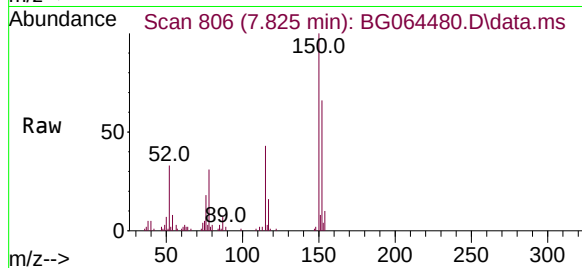
Quant Time: Oct 02 16:53:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.825 min Scan# 80
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

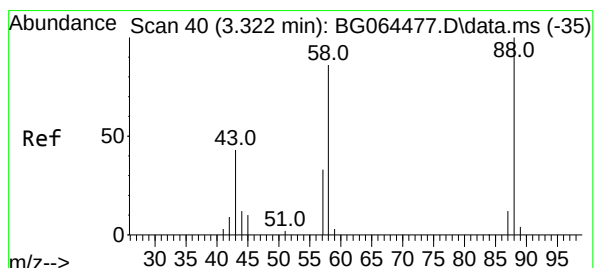
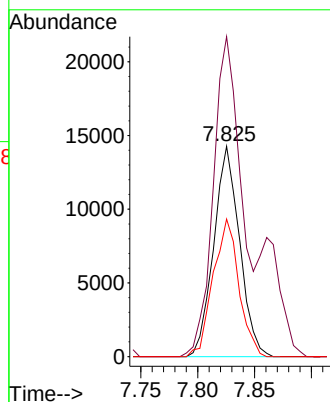
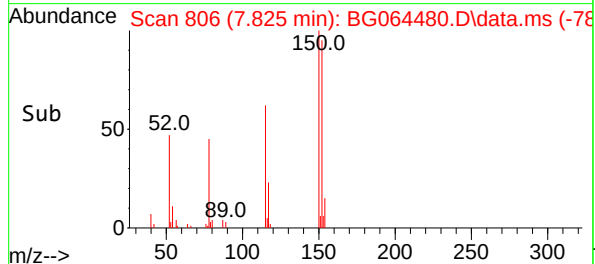
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:152 Resp: 22534
Ion Ratio Lower Upper
152 100
150 152.2 138.6 207.8
115 65.4 63.4 95.2

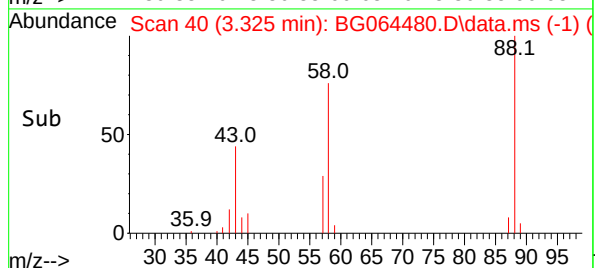
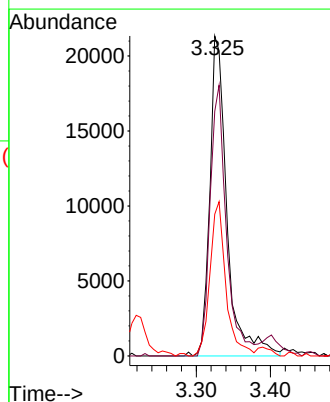
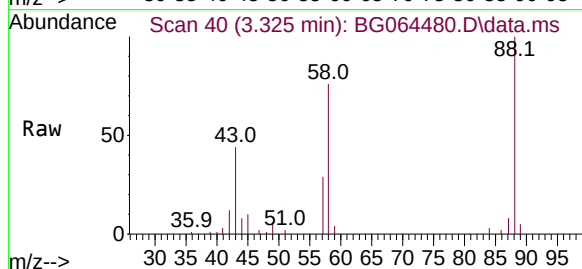
Manual Integrations
APPROVED

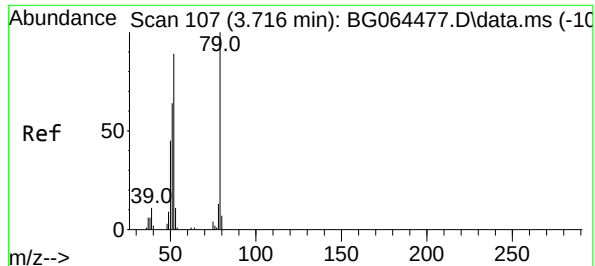
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#2
1,4-Dioxane
Concen: 71.240 ng
RT: 3.325 min Scan# 40
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

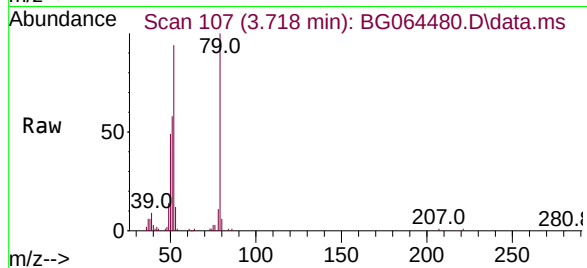
Tgt Ion: 88 Resp: 34310
Ion Ratio Lower Upper
88 100
58 79.9 69.8 104.6
43 44.7 37.4 56.0





#3
Pyridine
Concen: 75.592 ng
RT: 3.718 min Scan# 107
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

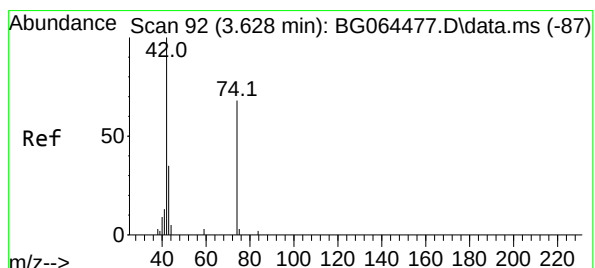
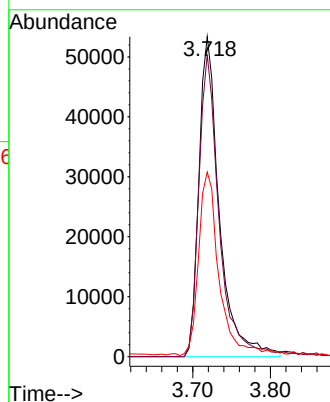
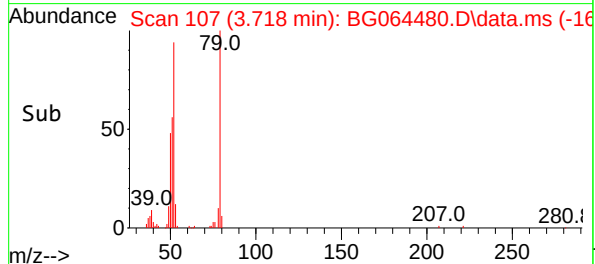
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 79 Resp: 97843
Ion Ratio Lower Upper
79 100
52 94.4 71.0 106.4
51 57.7 51.0 76.6

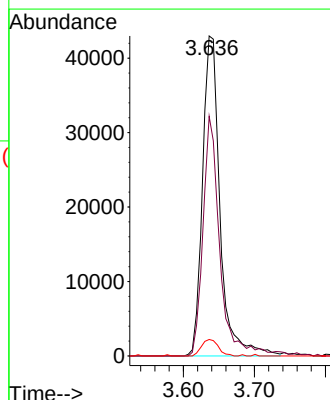
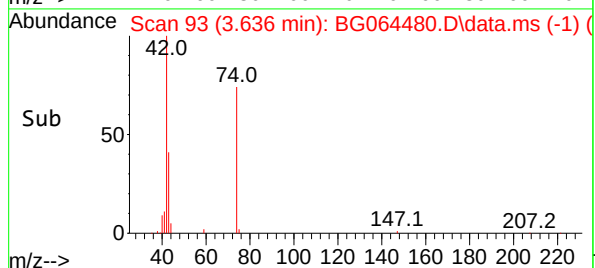
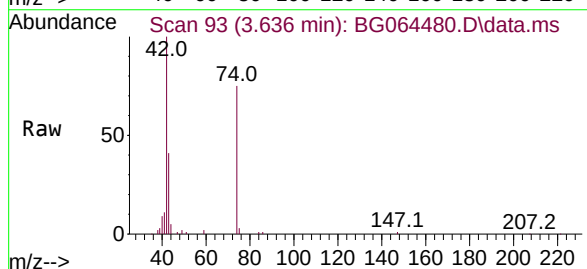
Manual Integrations
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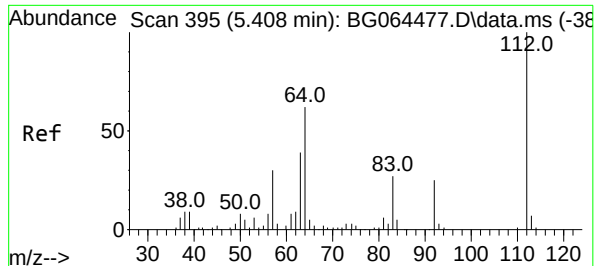
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#4
n-Nitrosodimethylamine
Concen: 78.177 ng
RT: 3.636 min Scan# 93
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

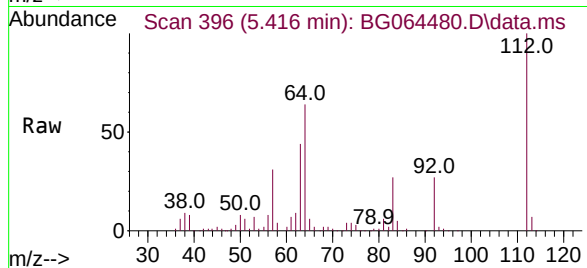
Tgt Ion: 42 Resp: 73356
Ion Ratio Lower Upper
42 100
74 74.9 54.2 81.4
44 5.1 4.2 6.2





#5
2-Fluorophenol
Concen: 155.949 ng
RT: 5.416 min Scan# 395
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

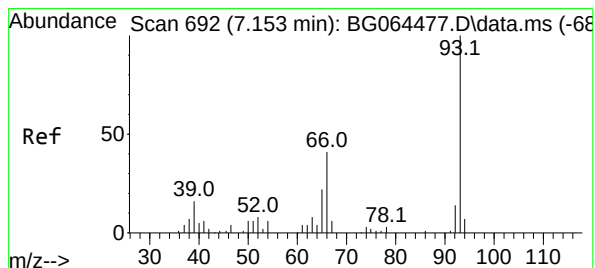
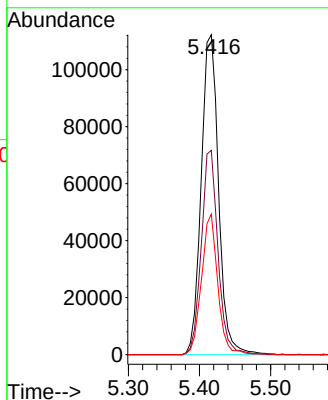
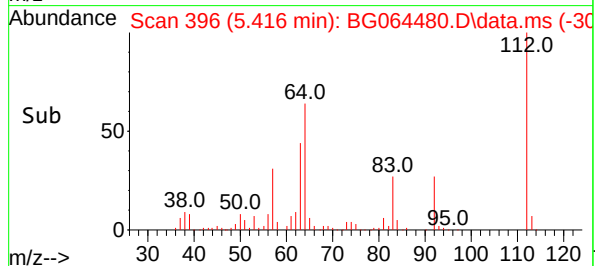
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



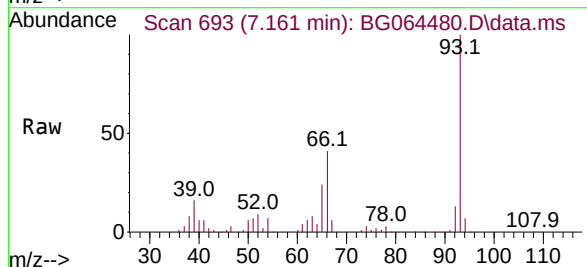
Tgt Ion: 112 Resp: 189884
Ion Ratio Lower Upper
112 100
64 63.8 49.8 74.8
63 43.9 31.3 46.9

Manual Integrations
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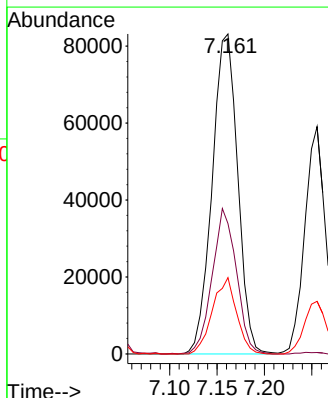
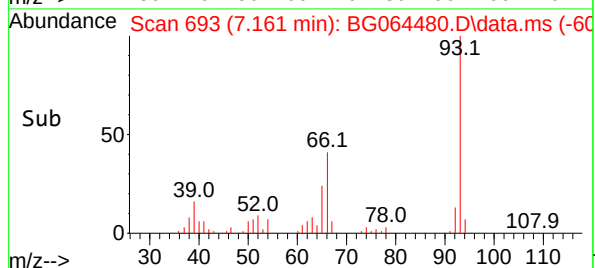
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

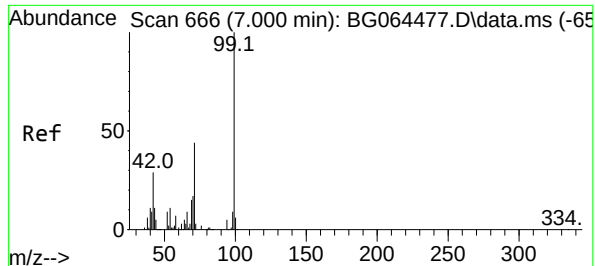


#6
Aniline
Concen: 75.518 ng
RT: 7.161 min Scan# 693
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



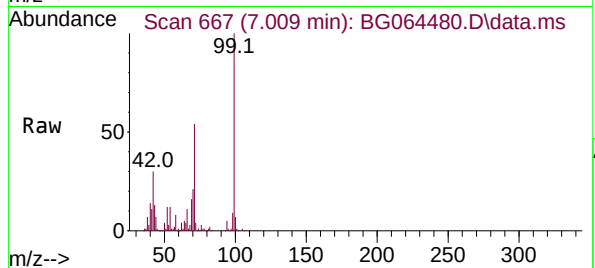
Tgt Ion: 93 Resp: 155867
Ion Ratio Lower Upper
93 100
66 40.7 33.0 49.4
65 23.8 17.5 26.3





#7
Phenol-d6
Concen: 153.254 ng
RT: 7.009 min Scan# 667
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

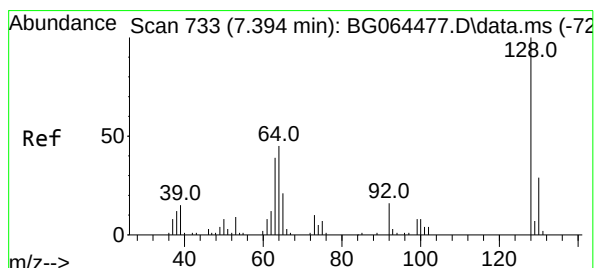
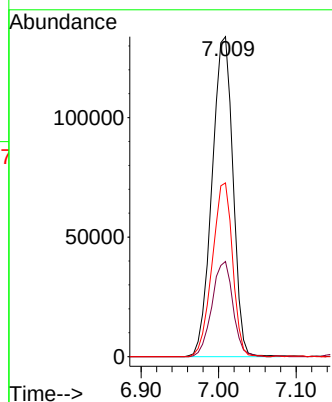
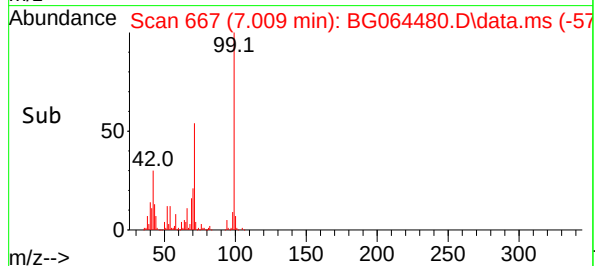
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 99 Resp: 250763
Ion Ratio Lower Upper
99 100
42 29.7 22.9 34.3
71 54.3 35.4 53.2

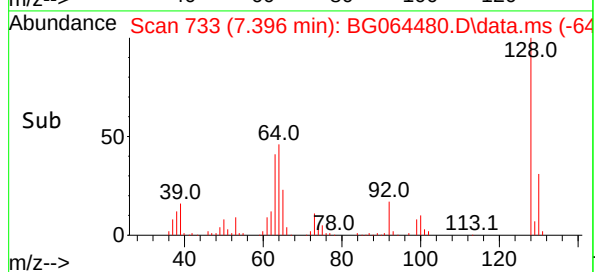
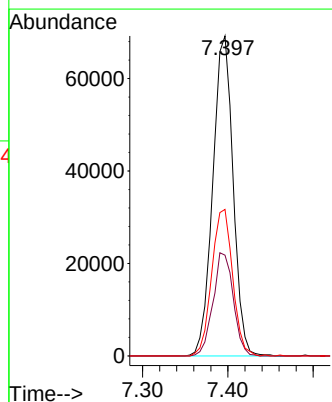
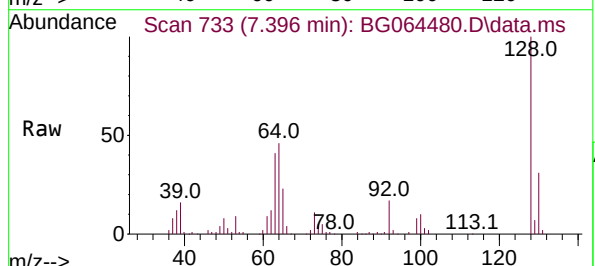
Manual Integrations
APPROVED

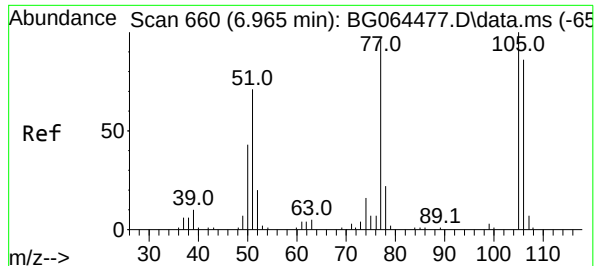
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#8
2-Chlorophenol
Concen: 76.619 ng
RT: 7.396 min Scan# 733
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:128 Resp: 114558
Ion Ratio Lower Upper
128 100
130 31.5 9.2 49.2
64 45.8 25.5 65.5





#9

Benzaldehyde

Concen: 64.370 ng

RT: 6.968 min Scan# 60

Delta R.T. 0.005 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

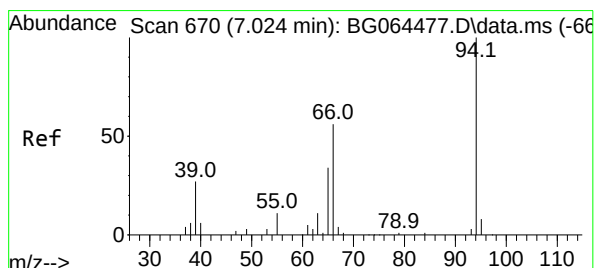
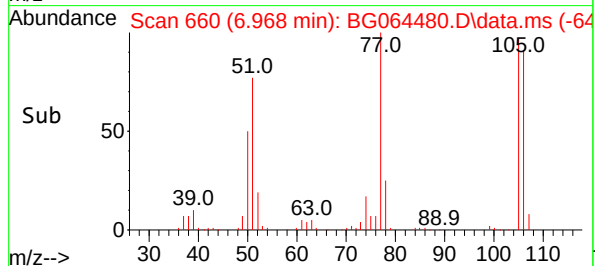
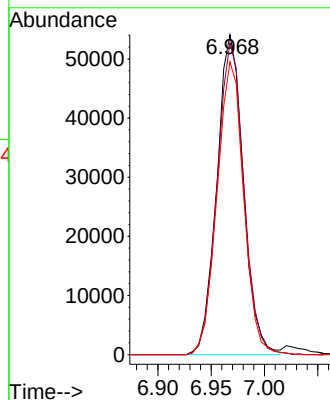
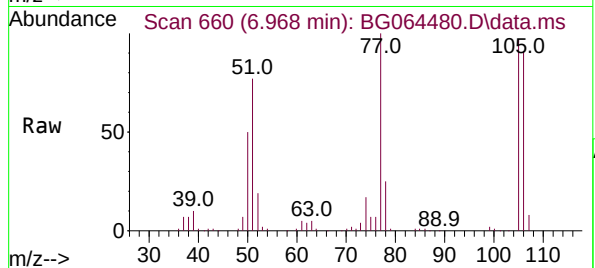
Tgt Ion:	77	Resp:	93496
Ion	Ratio	Lower	Upper
77	100		
105	97.4	83.7	123.7
106	91.5	69.4	109.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#10

Phenol

Concen: 78.138 ng

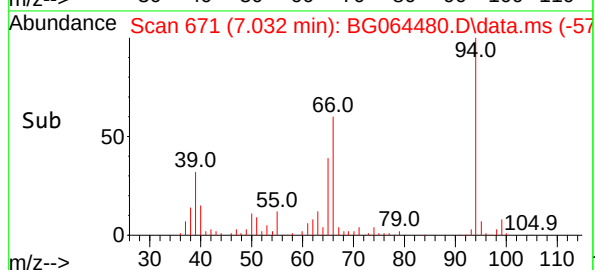
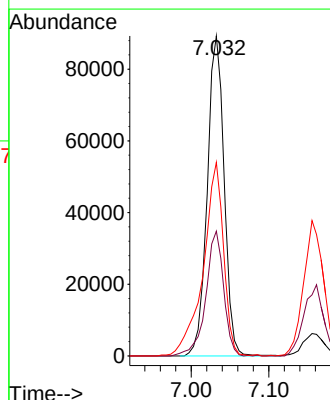
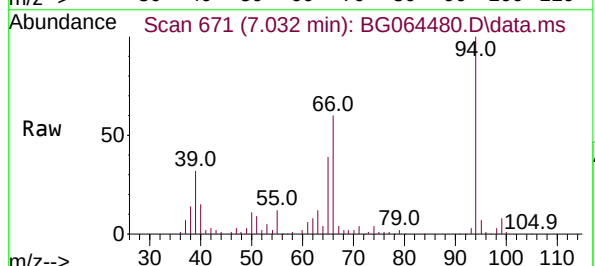
RT: 7.032 min Scan# 671

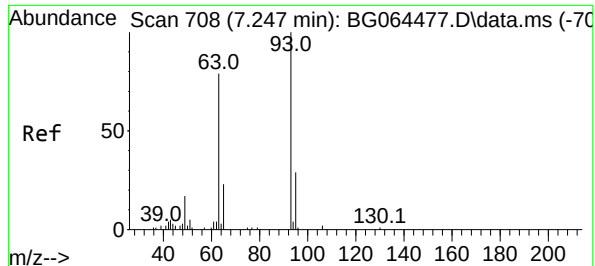
Delta R.T. 0.017 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

Tgt Ion:	94	Resp:	134875
Ion	Ratio	Lower	Upper
94	100		
65	39.0	14.8	54.8
66	60.5	41.4	81.4





#11

bis(2-Chloroethyl)ether

Concen: 76.500 ng

RT: 7.255 min Scan# 708

Delta R.T. 0.011 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion: 93 Resp: 89425

Ion Ratio Lower Upper

93 100

63 79.2 59.5 99.5

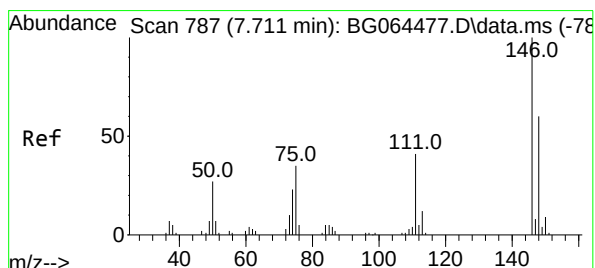
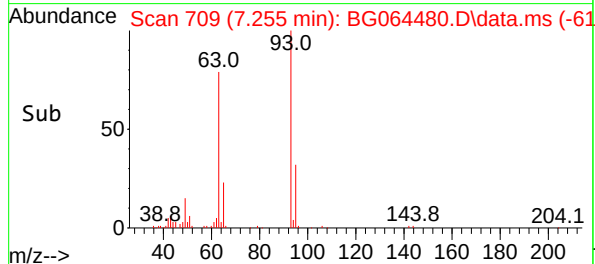
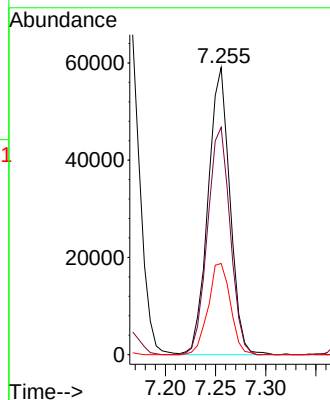
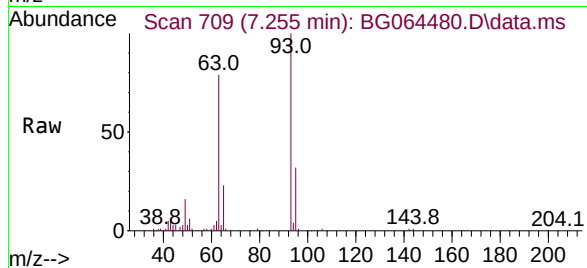
95 31.7 8.8 48.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#12

1,3-Dichlorobenzene

Concen: 75.107 ng

RT: 7.720 min Scan# 788

Delta R.T. 0.011 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

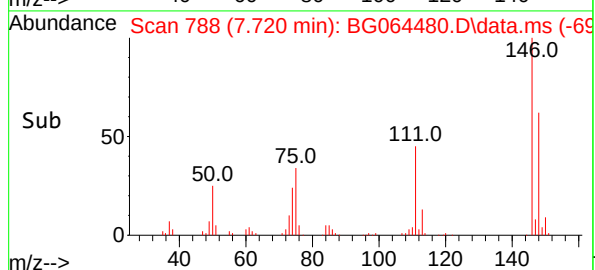
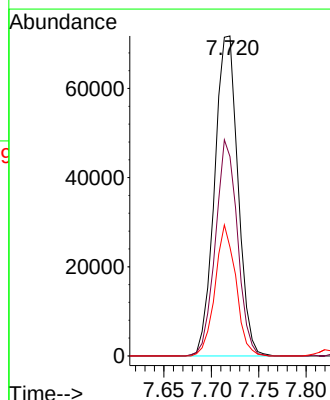
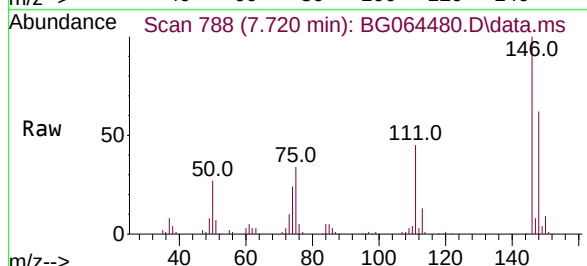
Tgt Ion:146 Resp: 122844

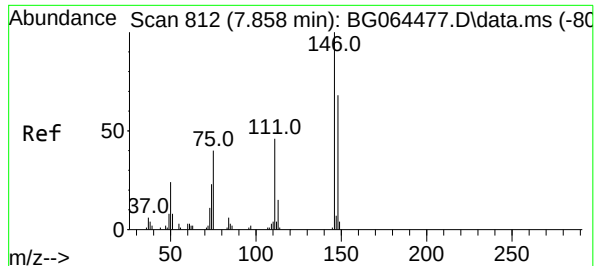
Ion Ratio Lower Upper

146 100

148 62.3 48.4 72.6

75 34.0 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 75.917 ng

RT: 7.861 min Scan# 812

Delta R.T. 0.005 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 124619

Ion Ratio Lower Upper

146 100

148 65.4 54.4 81.6

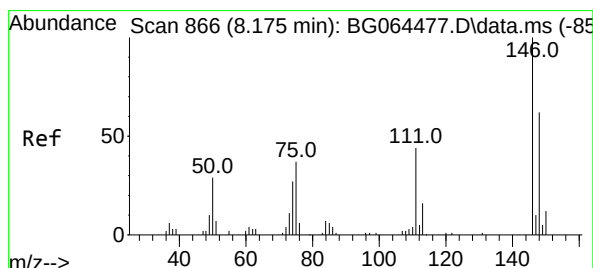
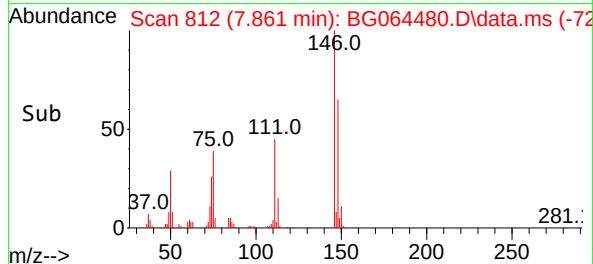
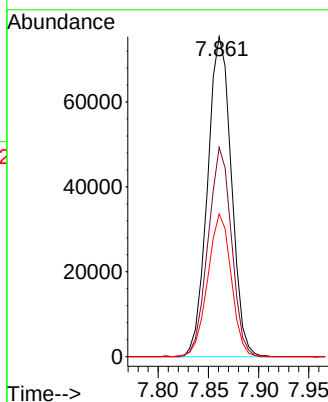
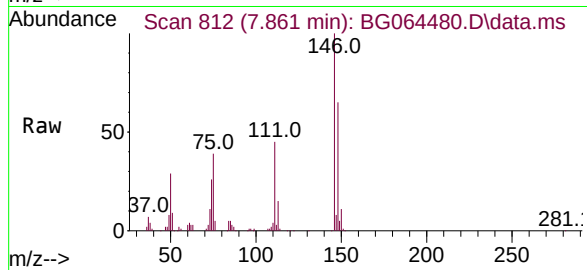
111 44.6 36.5 54.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#14

1,2-Dichlorobenzene

Concen: 74.398 ng

RT: 8.178 min Scan# 866

Delta R.T. 0.005 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

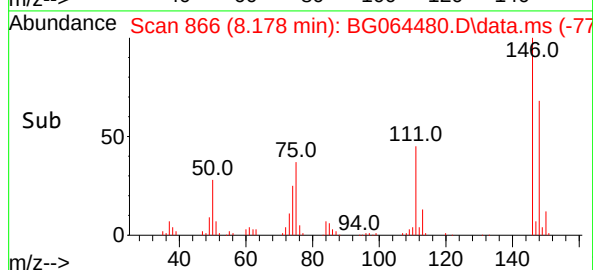
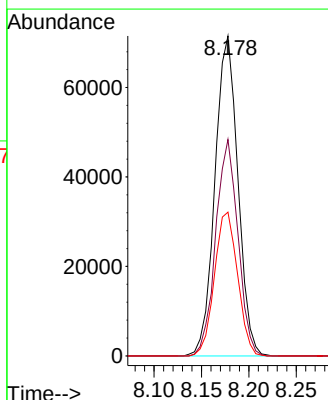
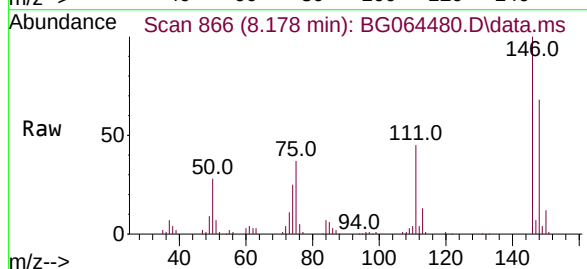
Tgt Ion:146 Resp: 120364

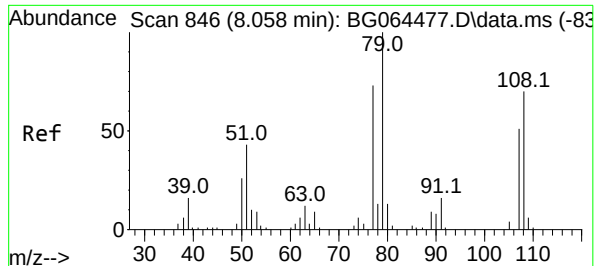
Ion Ratio Lower Upper

146 100

148 67.6 50.0 75.0

111 44.9 35.0 52.4





#15

Benzyl Alcohol

Concen: 78.483 ng

RT: 8.066 min Scan# 84

Delta R.T. 0.011 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 11826

Ion Ratio Lower Upper

79 100

108 72.7 56.4 84.6

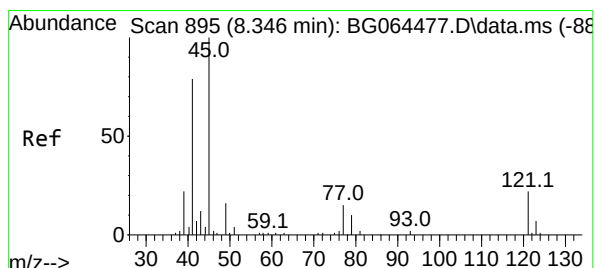
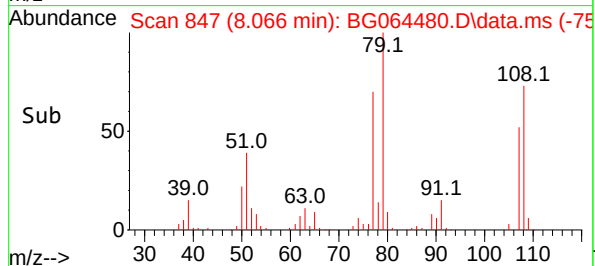
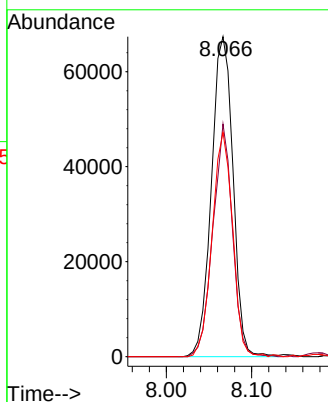
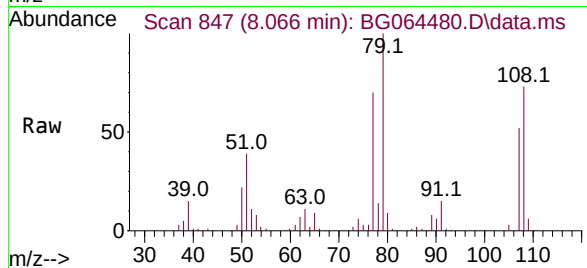
77 70.1 58.3 87.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 74.507 ng

RT: 8.348 min Scan# 895

Delta R.T. 0.011 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

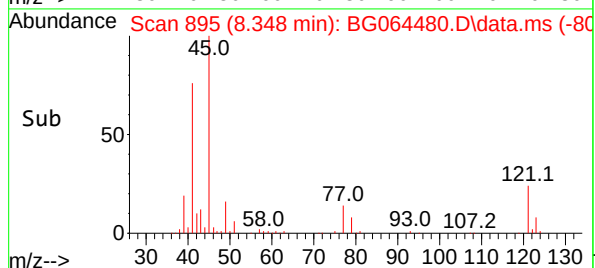
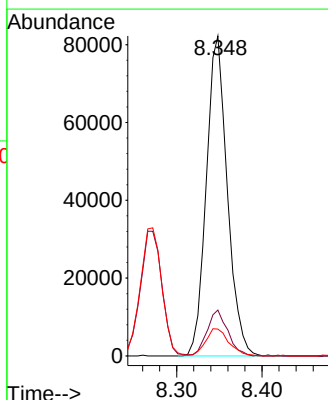
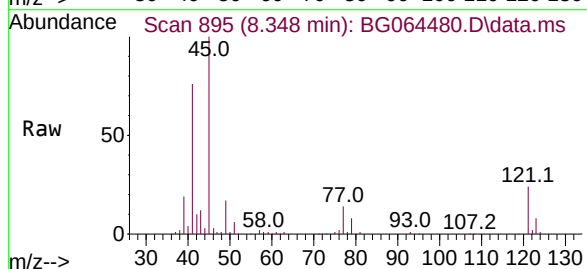
Tgt Ion: 45 Resp: 140388

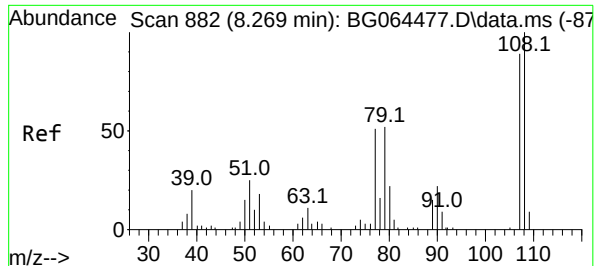
Ion Ratio Lower Upper

45 100

77 14.3 0.0 35.6

79 8.4 0.0 30.7





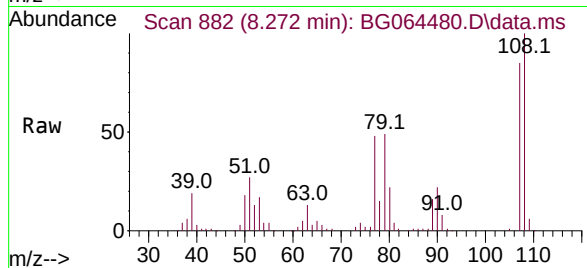
#17
2-Methylphenol
Concen: 77.657 ng
RT: 8.272 min Scan# 882
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

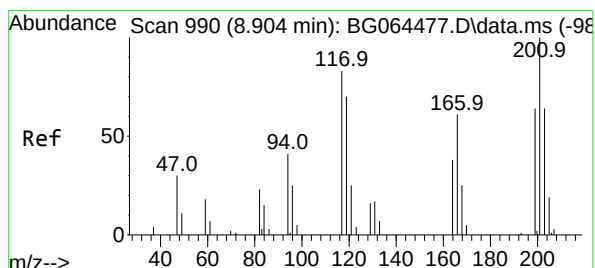
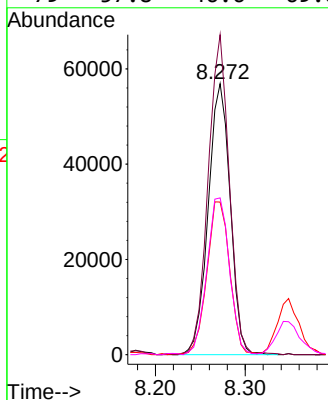
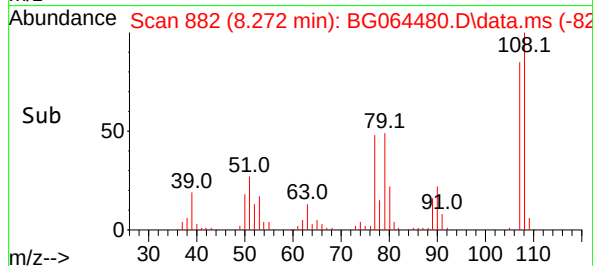


Tgt Ion:107 Resp: 97064
Ion Ratio Lower Upper
107 100
108 118.1 90.3 135.5
77 56.3 46.0 69.0
79 57.8 46.6 69.8

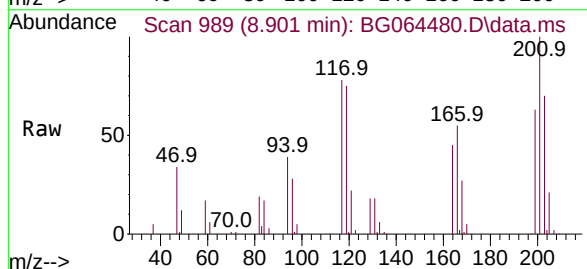
Manual Integrations

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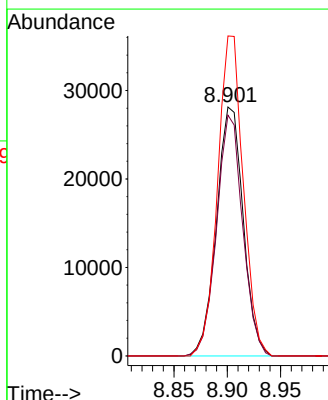
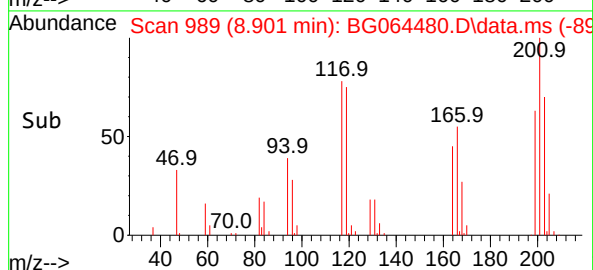
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

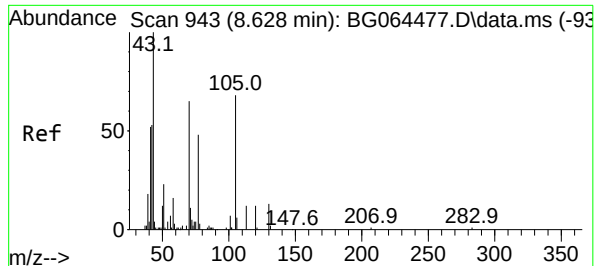


#18
Hexachloroethane
Concen: 75.666 ng
RT: 8.901 min Scan# 989
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



Tgt Ion:117 Resp: 49027
Ion Ratio Lower Upper
117 100
119 96.7 67.4 101.0
201 128.6 95.9 143.9





#19

n-Nitroso-di-n-propylamine

Concen: 76.290 ng

RT: 8.636 min Scan# 94

Delta R.T. 0.023 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 83485

Ion Ratio Lower Upper

70 100

42 90.4 64.9 97.3

101 10.3 8.7 13.1

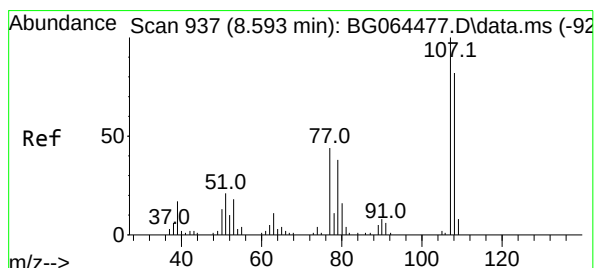
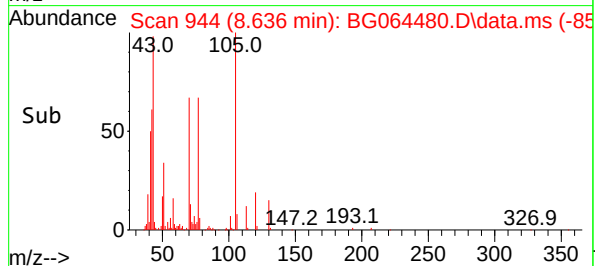
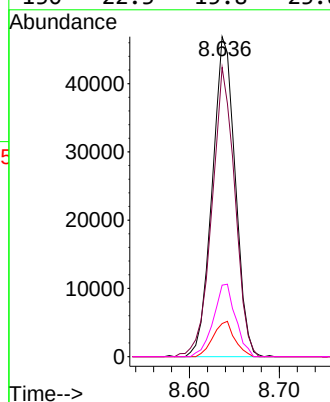
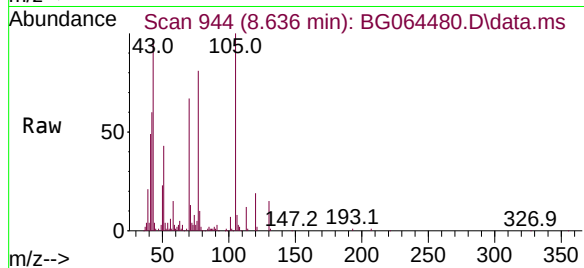
130 22.3 15.8 23.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#20

3+4-Methylphenols

Concen: 77.191 ng

RT: 8.607 min Scan# 939

Delta R.T. 0.017 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

Tgt Ion:107 Resp: 134638

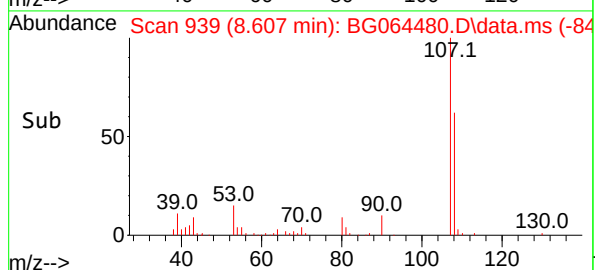
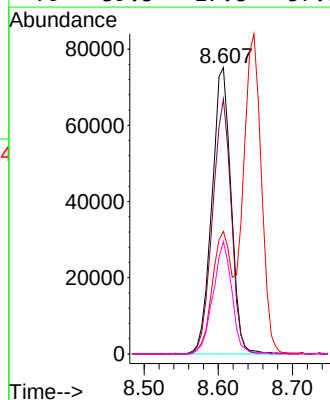
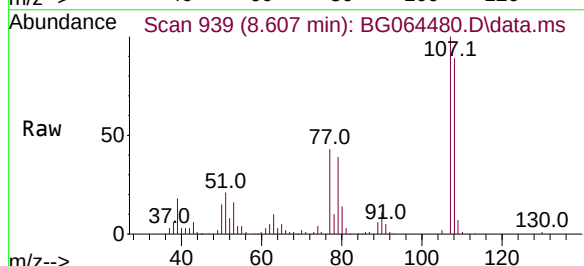
Ion Ratio Lower Upper

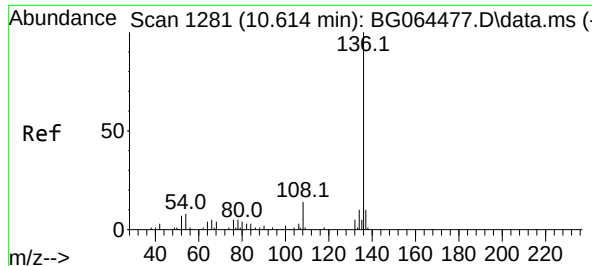
107 100

108 89.1 62.1 102.1

77 42.8 23.5 63.5

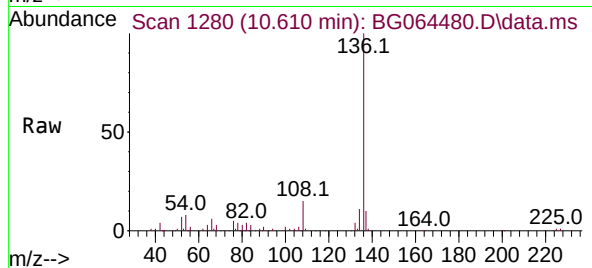
79 39.3 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1281
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

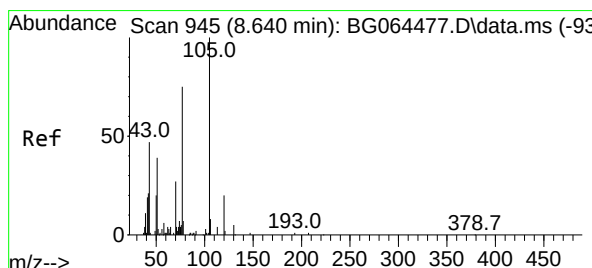
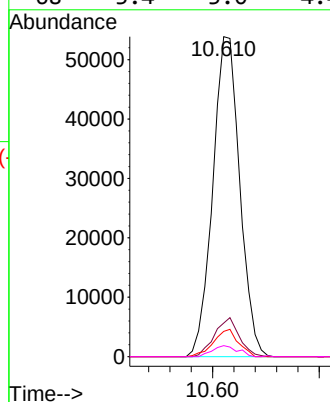
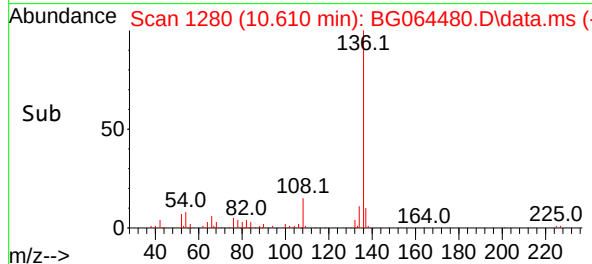
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:136 Resp: 94569
Ion Ratio Lower Upper
136 100
137 10.5 8.3 12.5
54 7.9 6.2 9.4
68 3.4 3.0 4.4

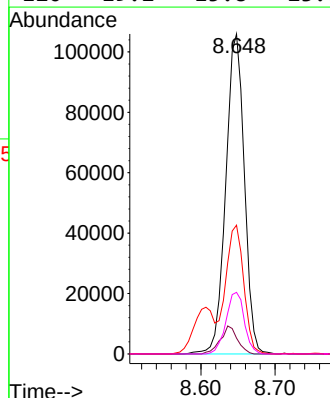
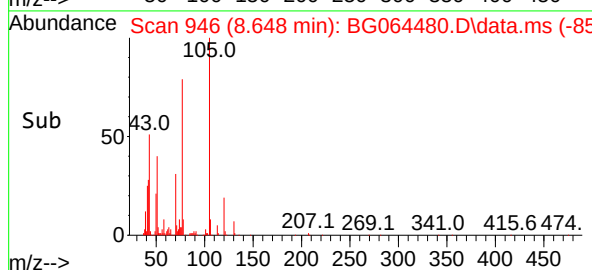
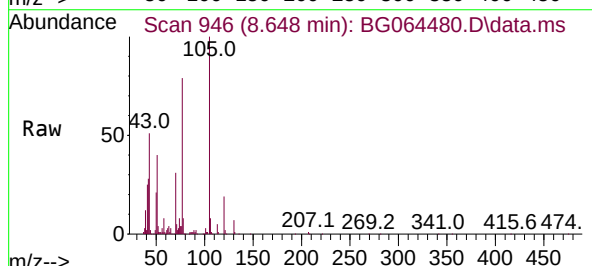
Manual Integrations
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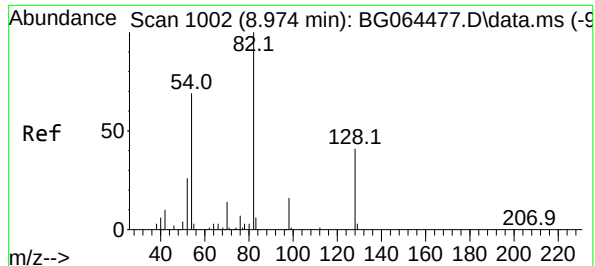
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#22
Acetophenone
Concen: 80.227 ng
RT: 8.648 min Scan# 946
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:105 Resp: 183701
Ion Ratio Lower Upper
105 100
71 4.9 2.8 4.2#
51 40.2 33.0 49.4
120 19.2 15.8 23.6





#23

Nitrobenzene-d5

Concen: 158.678 ng

RT: 8.989 min Scan# 1004

Delta R.T. 0.023 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 279078

Ion Ratio Lower Upper

82 100

128 41.3 33.1 49.7

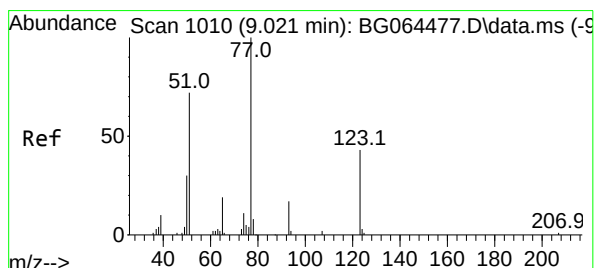
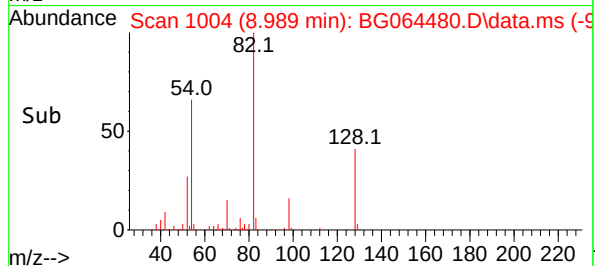
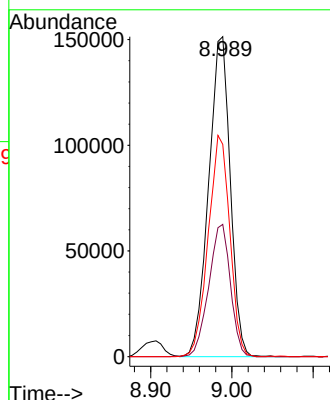
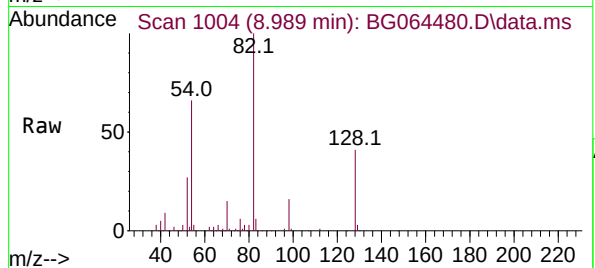
54 66.3 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#24

Nitrobenzene

Concen: 77.123 ng

RT: 9.024 min Scan# 1010

Delta R.T. 0.011 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

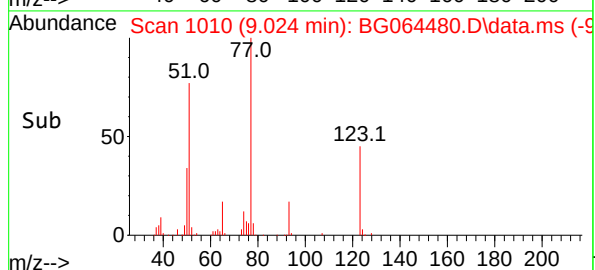
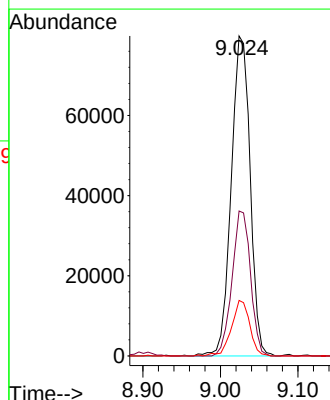
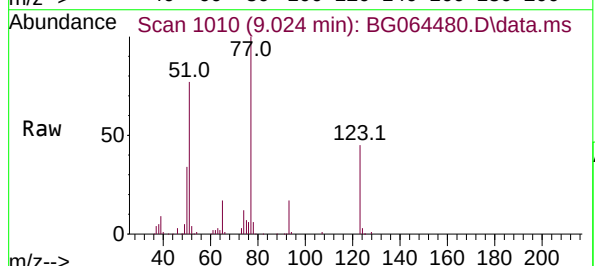
Tgt Ion: 77 Resp: 135264

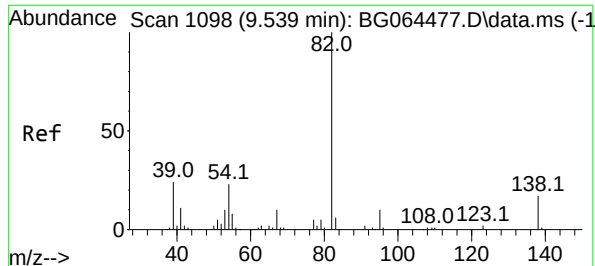
Ion Ratio Lower Upper

77 100

123 45.3 34.4 51.6

65 17.3 14.8 22.2





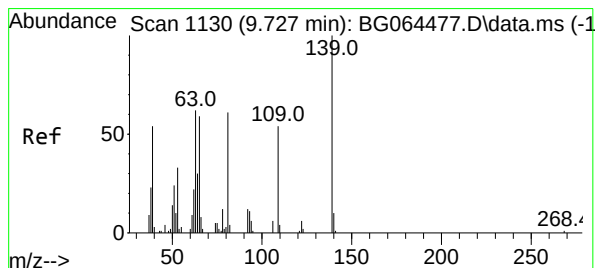
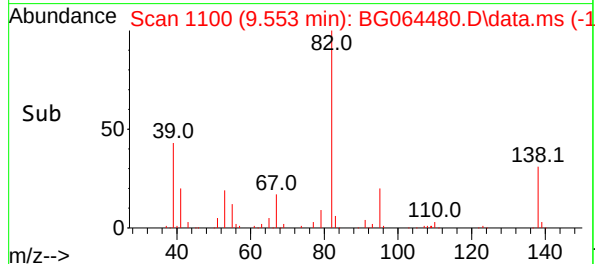
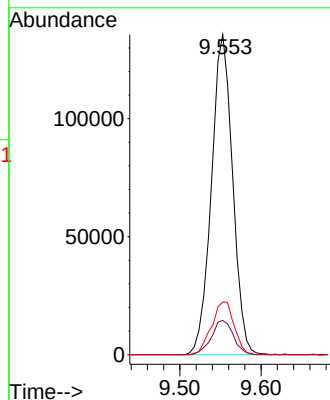
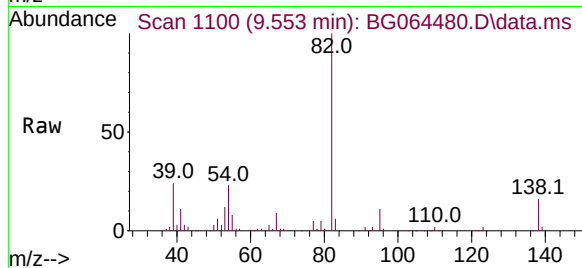
#25
Isophorone
Concen: 77.188 ng
RT: 9.553 min Scan# 1100
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 245935
Ion Ratio Lower Upper
82 100
95 10.7 7.8 11.8
138 16.5 13.8 20.6

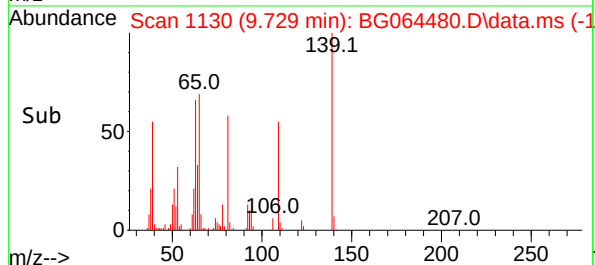
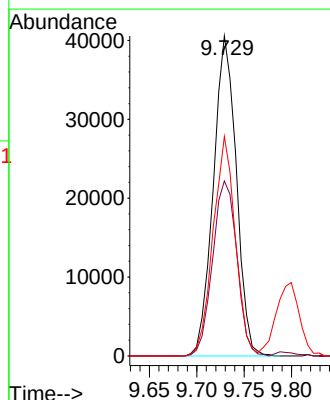
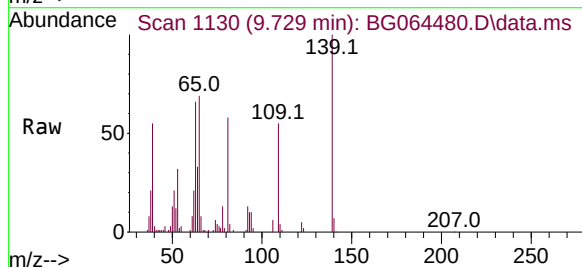
Manual Integrations
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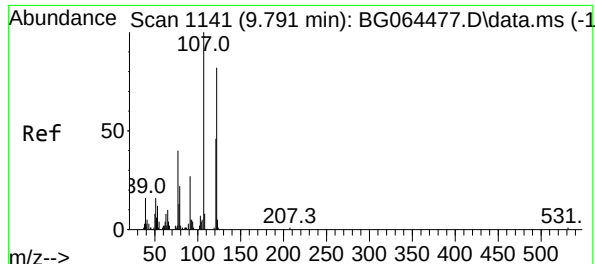
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#26
2-Nitrophenol
Concen: 78.281 ng
RT: 9.729 min Scan# 1130
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

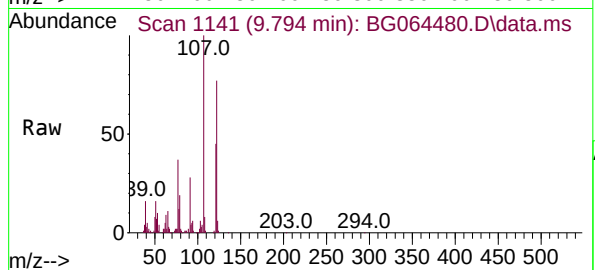
Tgt Ion:139 Resp: 68332
Ion Ratio Lower Upper
139 100
109 54.7 43.0 64.6
65 68.6 47.4 71.2





#27
2,4-Dimethylphenol
Concen: 79.619 ng
RT: 9.794 min Scan# 1141
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

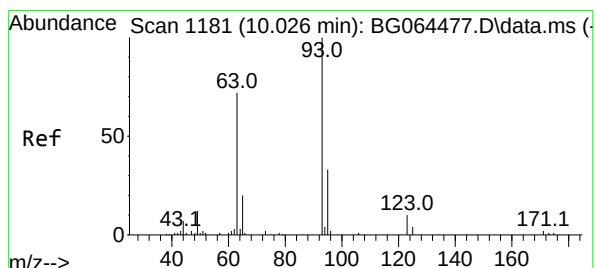
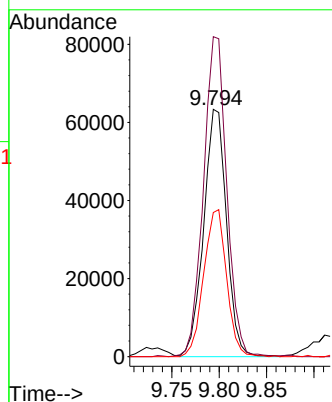
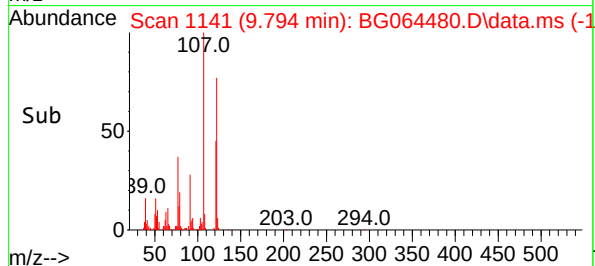
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 122 Resp: 10615
Ion Ratio Lower Upper
122 100
107 129.4 98.3 147.5
121 58.2 44.7 67.1

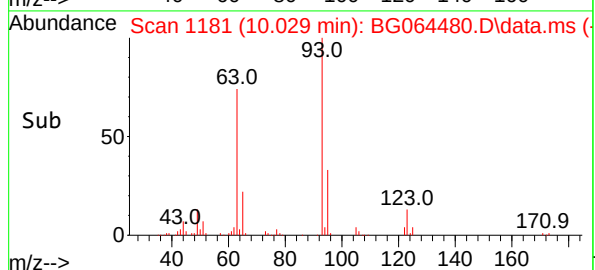
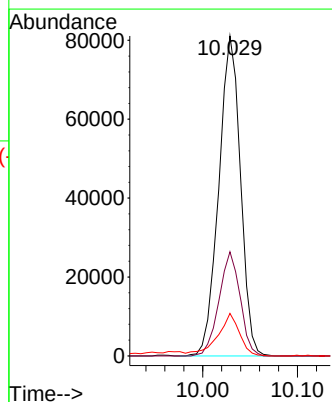
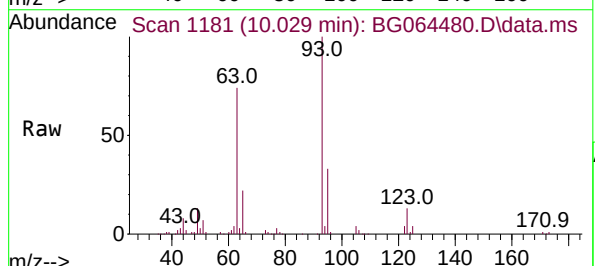
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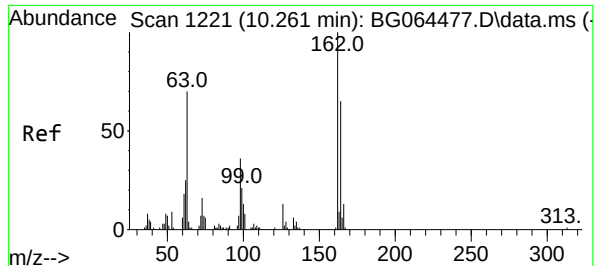
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#28
bis(2-Chloroethoxy)methane
Concen: 79.313 ng
RT: 10.029 min Scan# 1181
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 93 Resp: 128813
Ion Ratio Lower Upper
93 100
95 32.6 26.5 39.7
123 13.3 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 81.436 ng

RT: 10.264 min Scan# 1221

Delta R.T. 0.005 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 125552

Ion Ratio Lower Upper

162 100

164 62.5 45.4 85.4

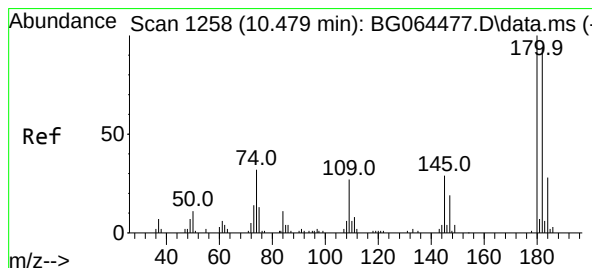
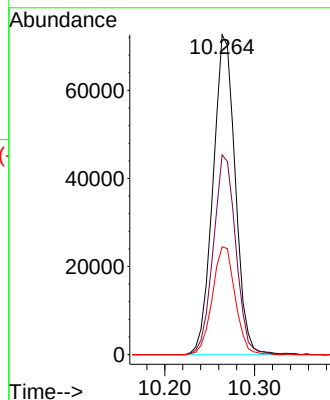
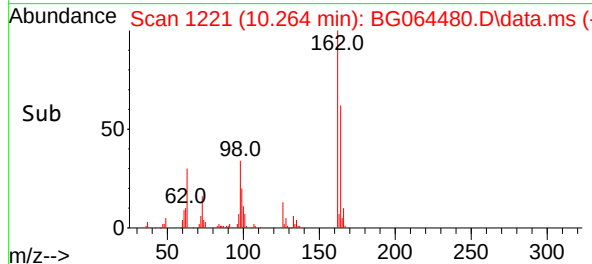
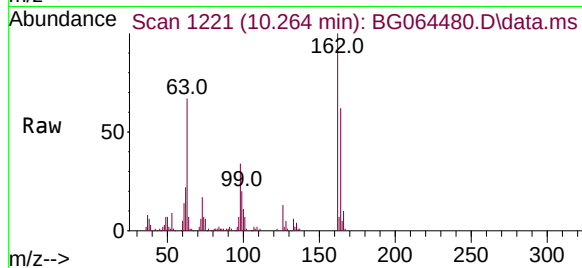
98 33.7 16.4 56.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#30

1,2,4-Trichlorobenzene

Concen: 78.115 ng

RT: 10.481 min Scan# 1258

Delta R.T. 0.011 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

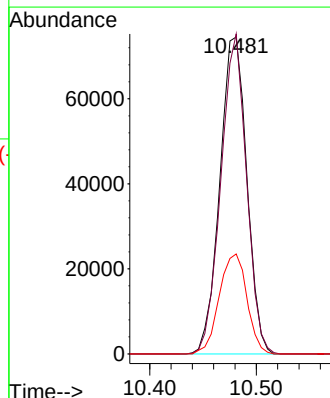
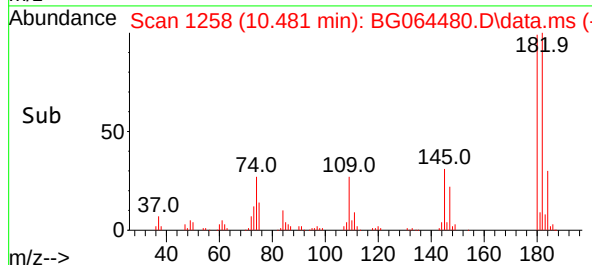
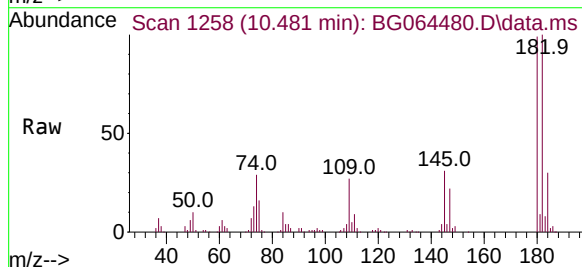
Tgt Ion:180 Resp: 131315

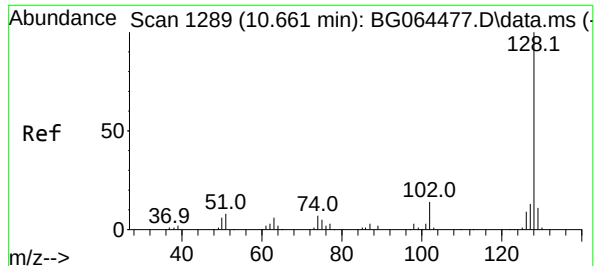
Ion Ratio Lower Upper

180 100

182 101.0 75.4 113.2

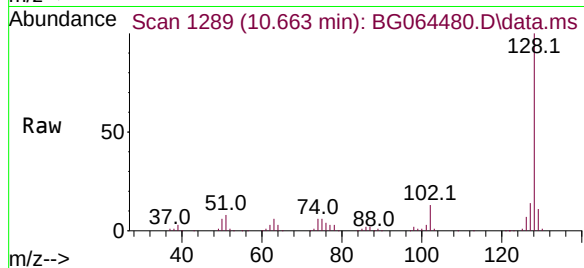
145 31.5 23.2 34.8





#31
Naphthalene
Concen: 78.560 ng
RT: 10.663 min Scan# 1178
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

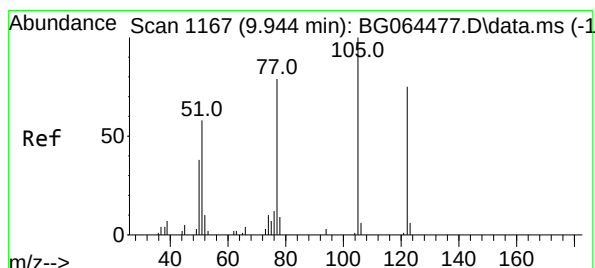
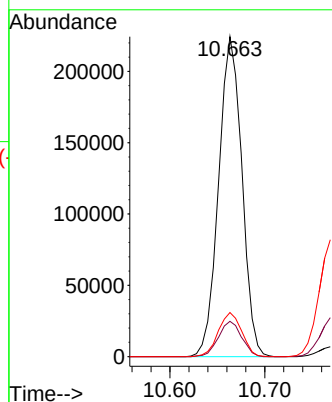
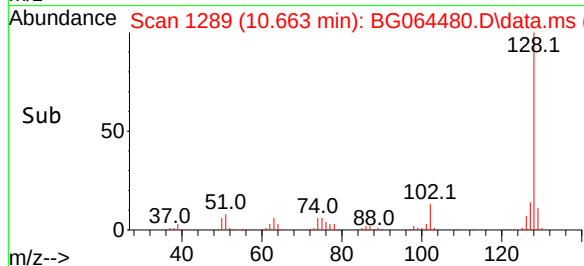
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:128 Resp: 382573
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.8 10.2 15.2

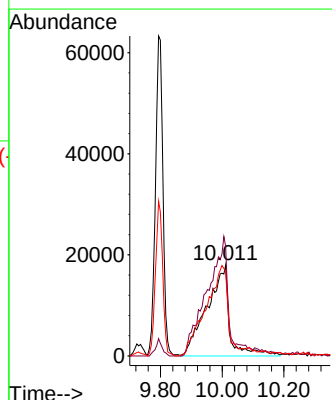
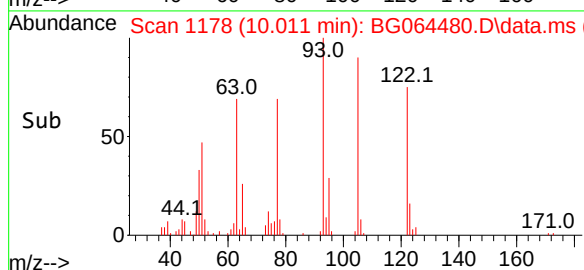
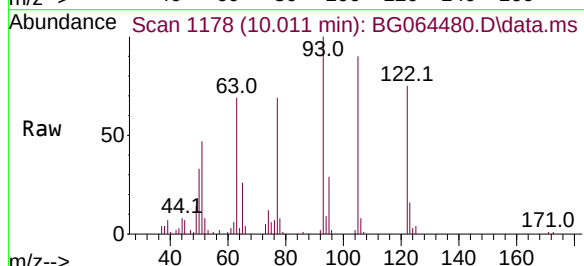
Manual Integrations
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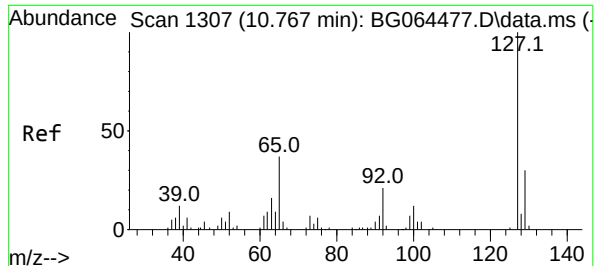
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#32
Benzoic acid
Concen: 89.680 ng m
RT: 10.011 min Scan# 1178
Delta R.T. 0.122 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

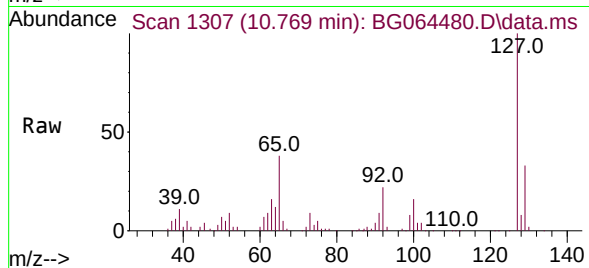
Tgt Ion:122 Resp: 91798
Ion Ratio Lower Upper
122 100
105 120.9 113.9 153.9
77 92.4 86.1 126.1





#33
4-Chloroaniline
Concen: 79.425 ng
RT: 10.769 min Scan# 1307
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

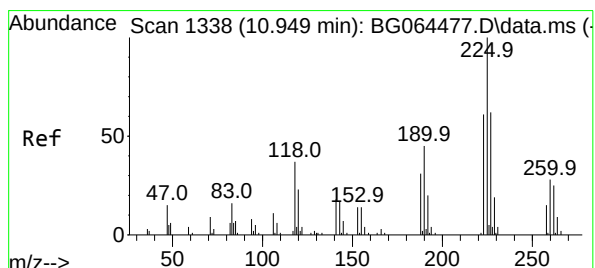
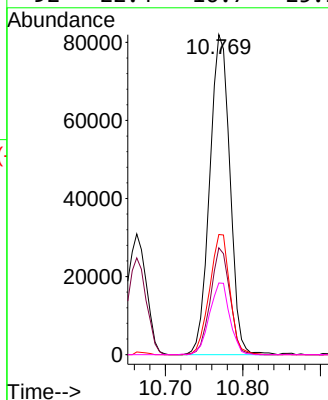
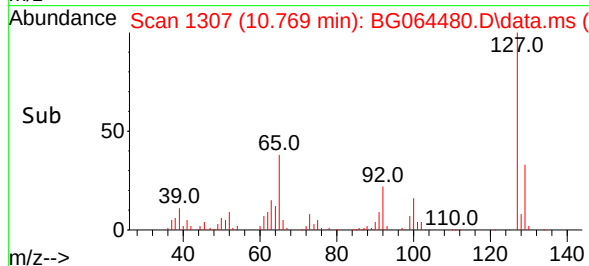
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



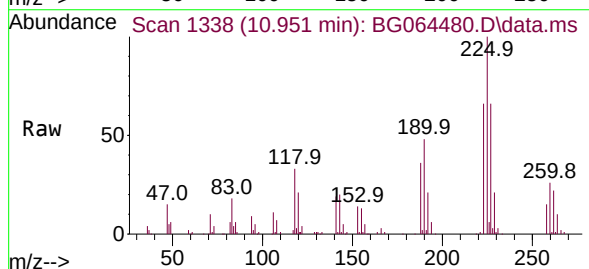
Tgt Ion:127 Resp: 148423
Ion Ratio Lower Upper
127 100
129 33.4 24.2 36.4
65 37.5 29.6 44.4
92 22.4 16.7 25.1

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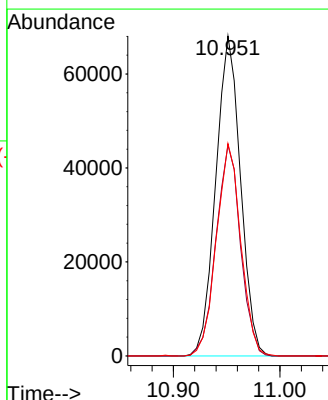
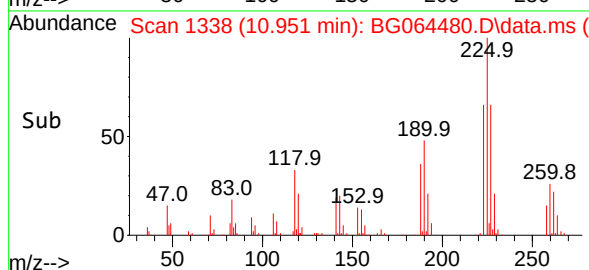
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

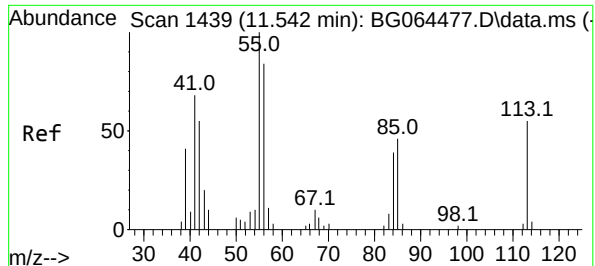


#34
Hexachlorobutadiene
Concen: 76.374 ng
RT: 10.951 min Scan# 1338
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



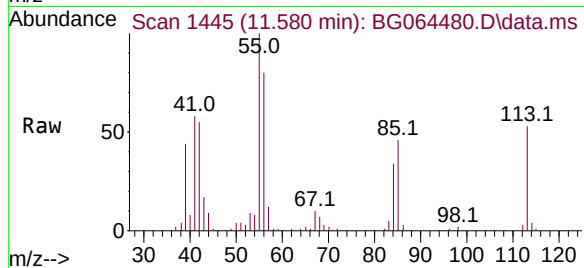
Tgt Ion:225 Resp: 109953
Ion Ratio Lower Upper
225 100
223 65.9 49.0 73.6
227 66.3 49.9 74.9





#35
 Caprolactam
 Concen: 76.417 ng
 RT: 11.580 min Scan# 1439
 Delta R.T. 0.070 min
 Lab File: BG064480.D
 Acq: 2 Oct 2025 14:16

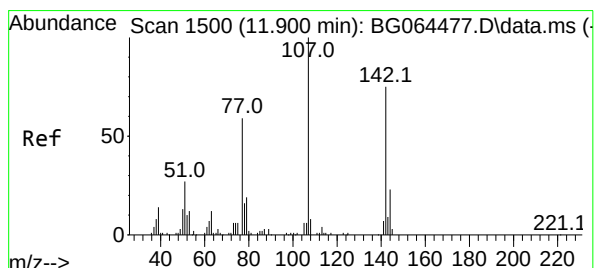
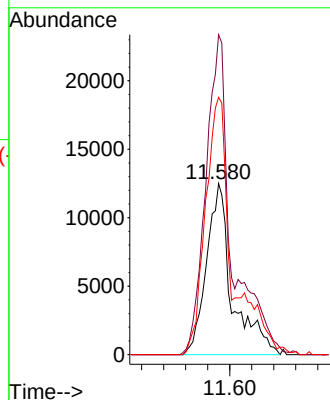
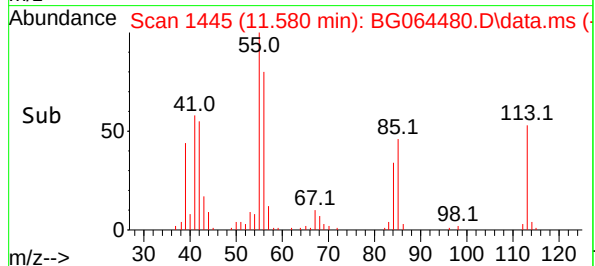
Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC080



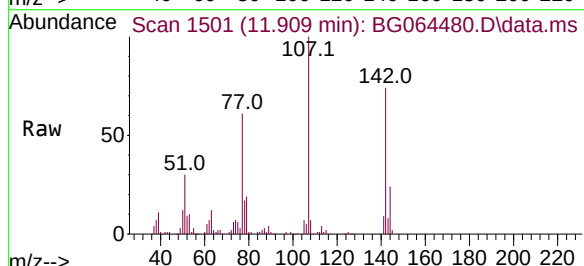
Tgt Ion:113 Resp: 40333
 Ion Ratio Lower Upper
 113 100
 55 187.1 162.0 202.0
 56 150.3 134.6 174.6

Manual Integrations
 APPROVED

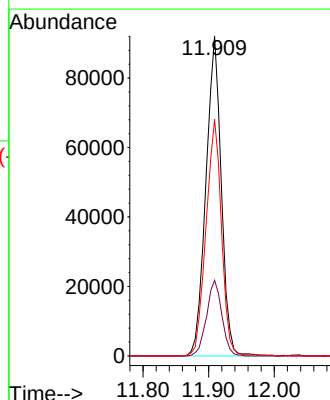
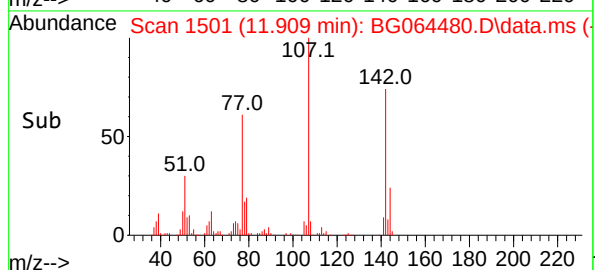
Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

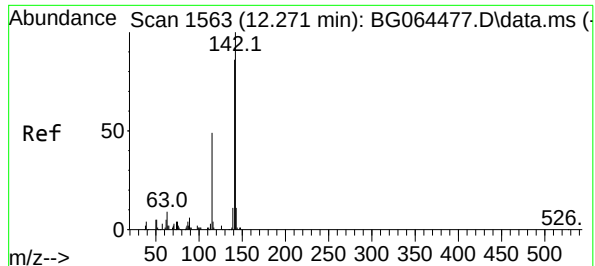


#36
 4-Chloro-3-methylphenol
 Concen: 79.618 ng
 RT: 11.909 min Scan# 1501
 Delta R.T. 0.017 min
 Lab File: BG064480.D
 Acq: 2 Oct 2025 14:16



Tgt Ion:107 Resp: 149274
 Ion Ratio Lower Upper
 107 100
 144 23.6 18.7 28.1
 142 73.9 60.2 90.2





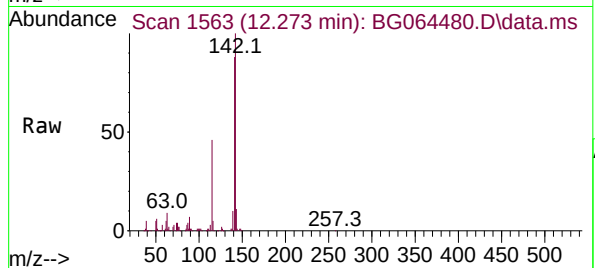
#37
2-Methylnaphthalene
Concen: 77.931 ng
RT: 12.273 min Scan# 1563
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

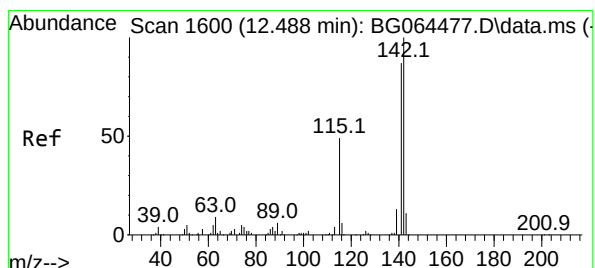
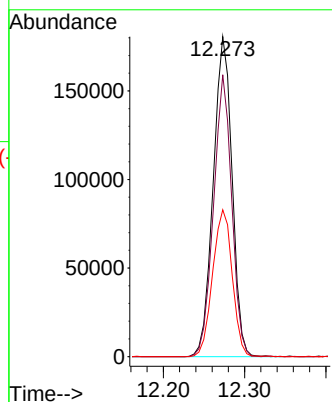
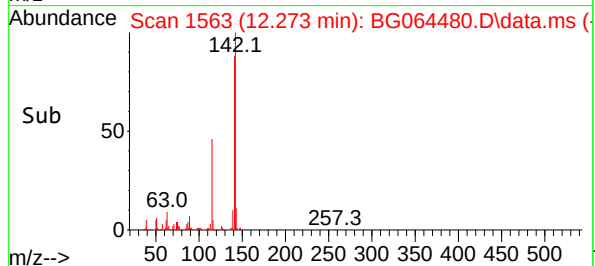


Tgt Ion:142 Resp: 291318
Ion Ratio Lower Upper
142 100
141 88.1 68.7 103.1
115 45.9 39.3 58.9

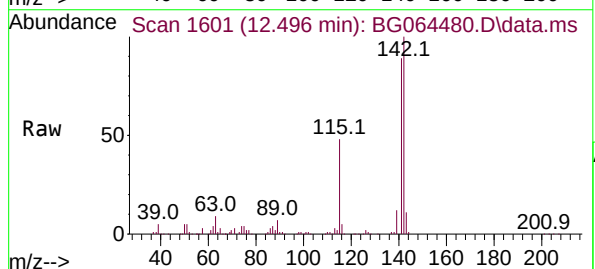
Manual Integrations

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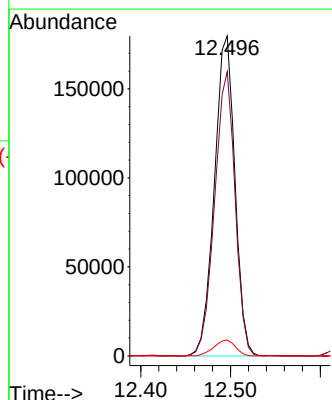
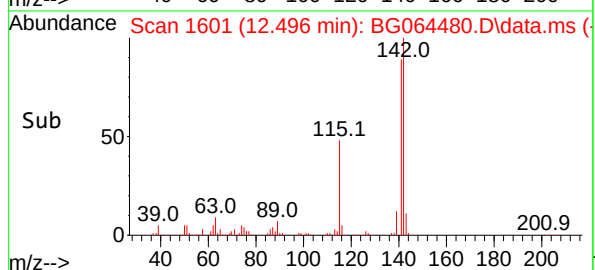
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

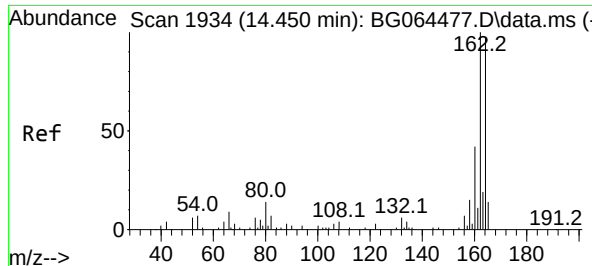


#38
1-Methylnaphthalene
Concen: 76.924 ng
RT: 12.496 min Scan# 1601
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



Tgt Ion:142 Resp: 286731
Ion Ratio Lower Upper
142 100
141 88.8 69.8 104.8
116 5.0 4.6 6.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.453 min Scan# 1934

Delta R.T. 0.005 min

Lab File: BG064480.D

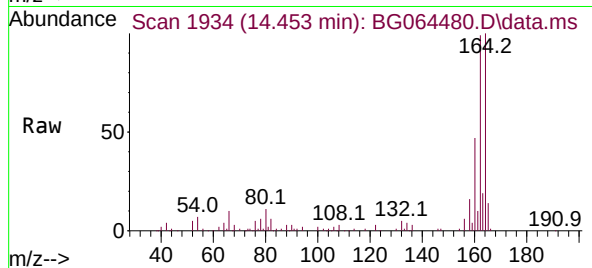
Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080



Tgt Ion:164 Resp: 72073

Ion Ratio Lower Upper

164 100

162 98.7 82.2 123.2

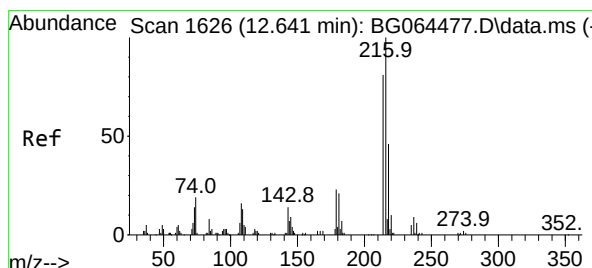
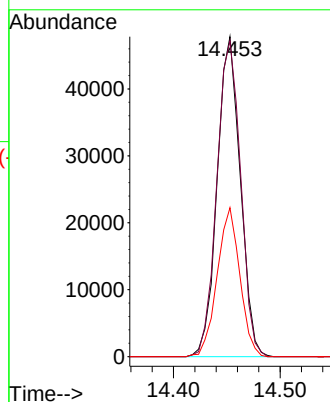
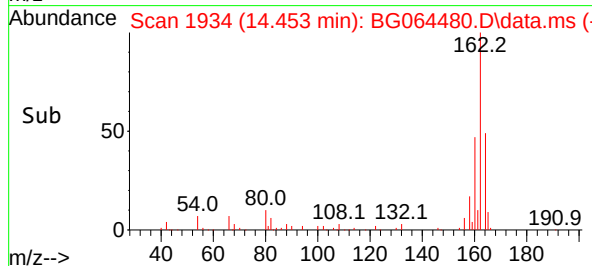
160 46.5 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#40

1,2,4,5-Tetrachlorobenzene

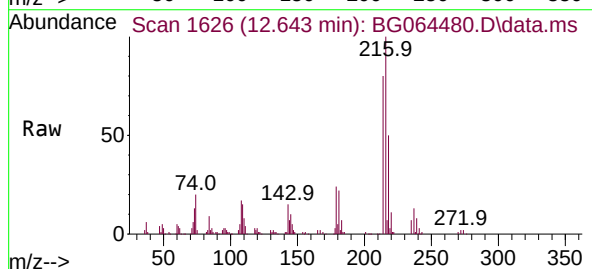
Concen: 80.056 ng

RT: 12.643 min Scan# 1626

Delta R.T. 0.005 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16



Tgt Ion:216 Resp: 186298

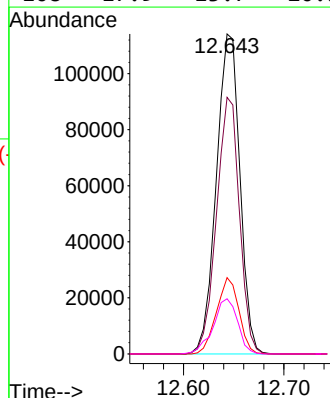
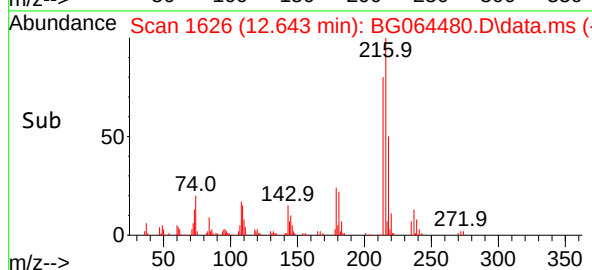
Ion Ratio Lower Upper

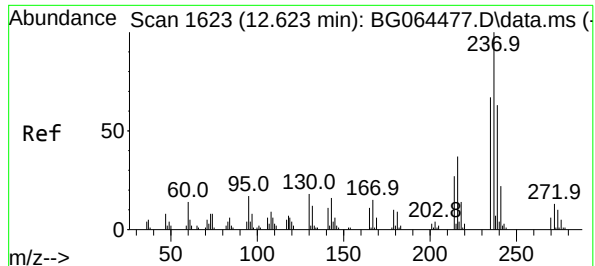
216 100

214 78.0 62.5 93.7

179 22.7 17.0 25.6

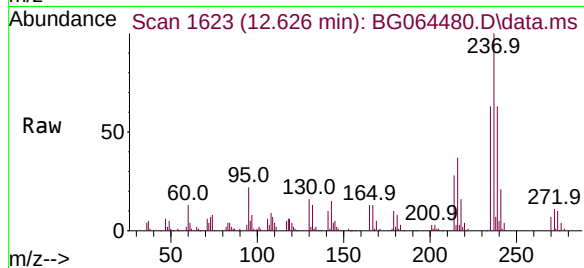
108 17.9 13.7 20.5





#41
Hexachlorocyclopentadiene
Concen: 84.207 ng
RT: 12.626 min Scan# 1623
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

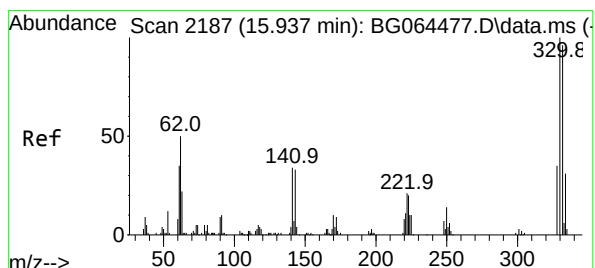
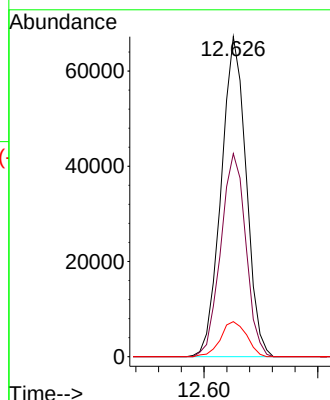
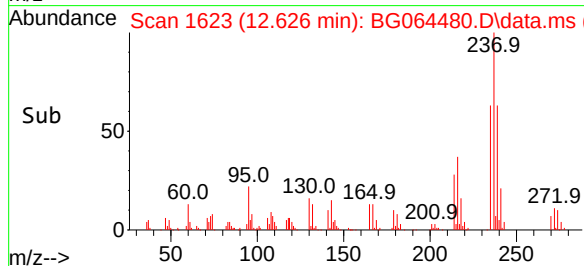
Instrument :
BNA_G
Client Sample Id :
SSTDICC080



Tgt Ion: 237 Resp: 102505
Ion Ratio Lower Upper
237 100
235 63.4 46.9 86.9
272 10.9 0.0 32.6

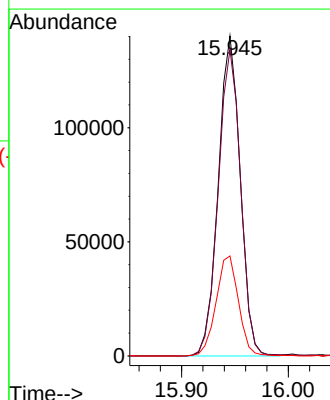
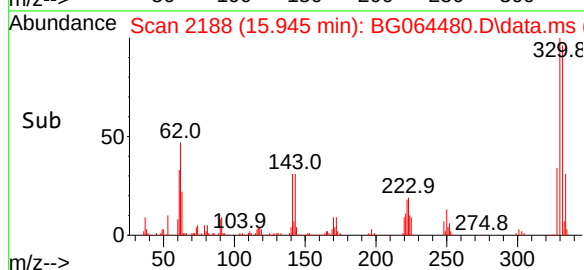
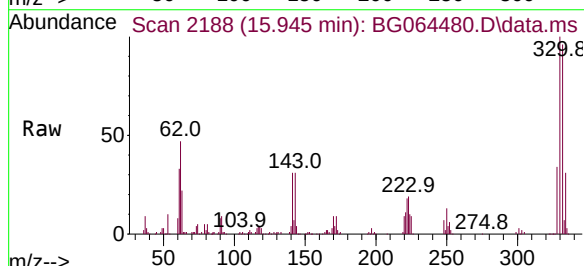
Manual Integrations
APPROVED

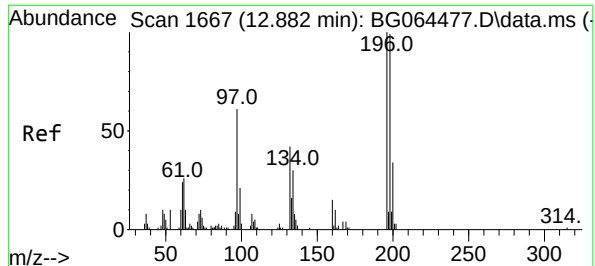
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#42
2,4,6-Tribromophenol
Concen: 153.817 ng
RT: 15.945 min Scan# 2188
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

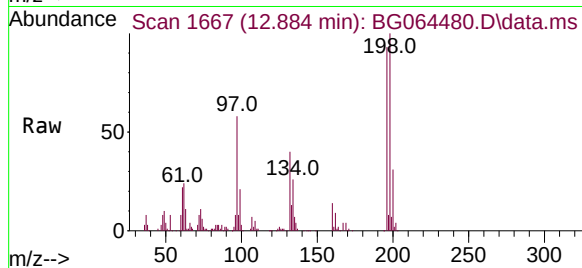
Tgt Ion: 330 Resp: 200950
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 31.9 25.8 38.6





#43
2,4,6-Trichlorophenol
Concen: 80.265 ng
RT: 12.884 min Scan# 1667
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

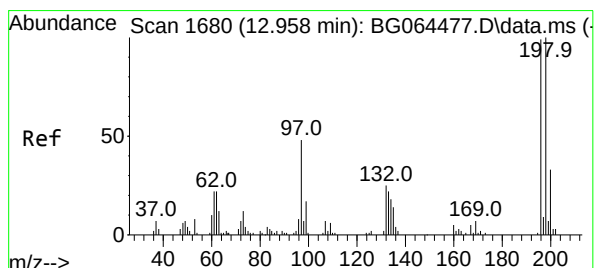
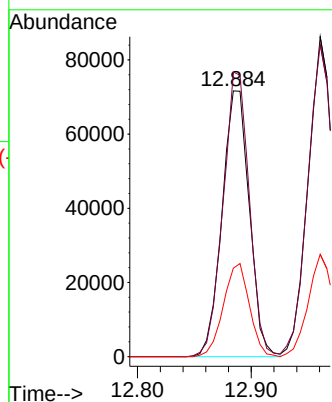
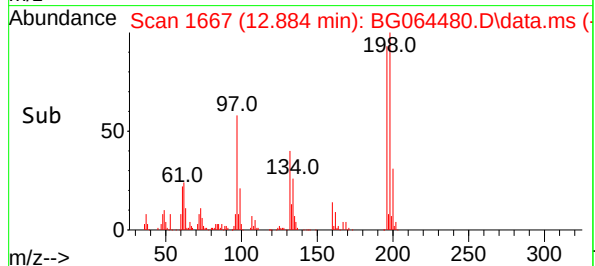
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:196 Resp: 119404
Ion Ratio Lower Upper
196 100
198 107.1 79.3 118.9
200 33.3 27.4 41.2

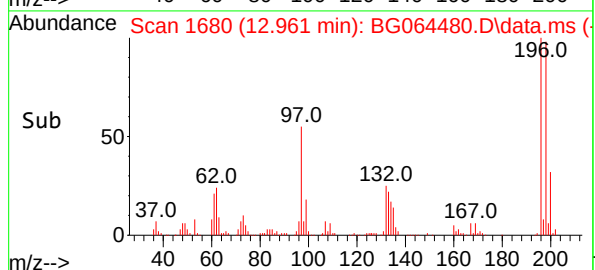
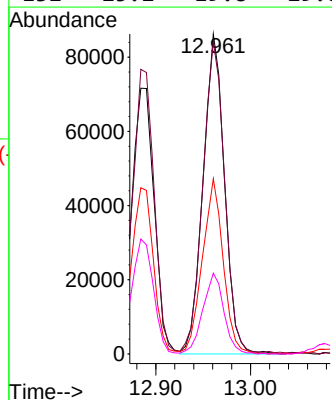
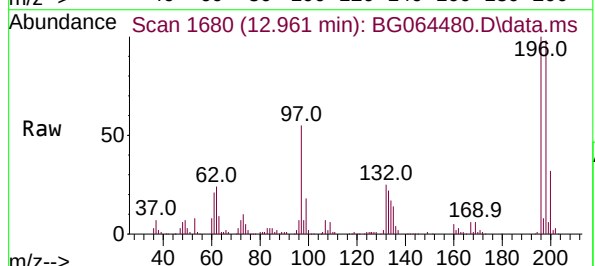
Manual Integrations
APPROVED

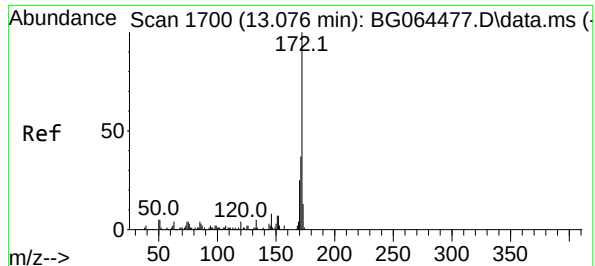
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#44
2,4,5-Trichlorophenol
Concen: 81.602 ng
RT: 12.961 min Scan# 1680
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

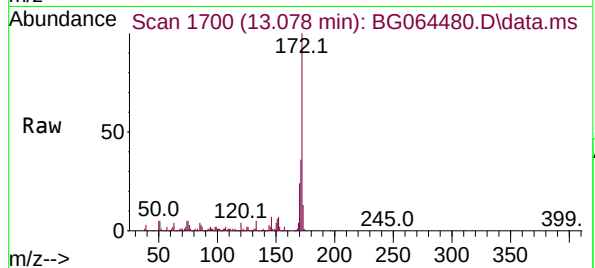
Tgt Ion:196 Resp: 135525
Ion Ratio Lower Upper
196 100
198 97.6 80.3 120.5
97 54.8 39.4 59.0
132 25.2 19.8 29.8





#45
2-Fluorobiphenyl
Concen: 154.518 ng
RT: 13.078 min Scan# 1700
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

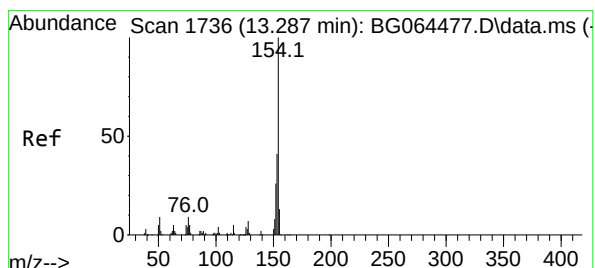
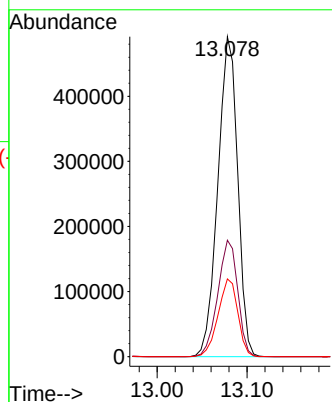
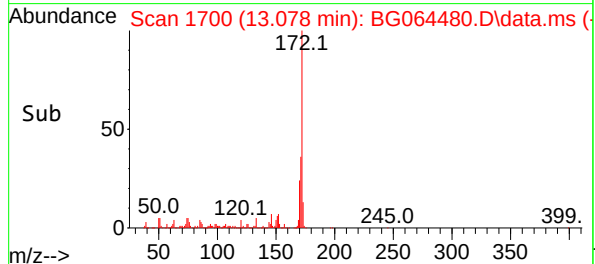
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:172 Resp: 755535
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.3 20.2 30.2

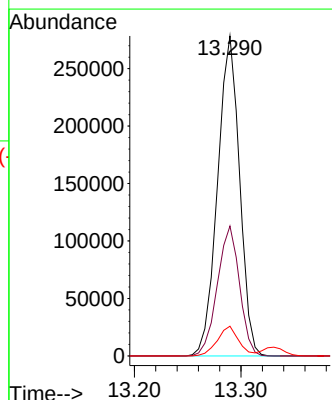
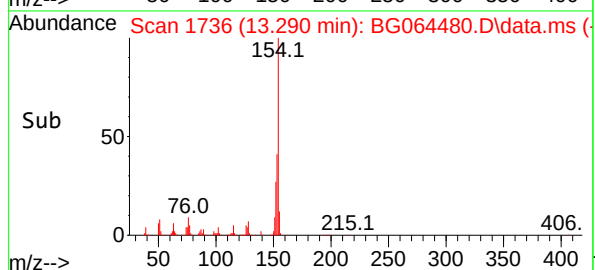
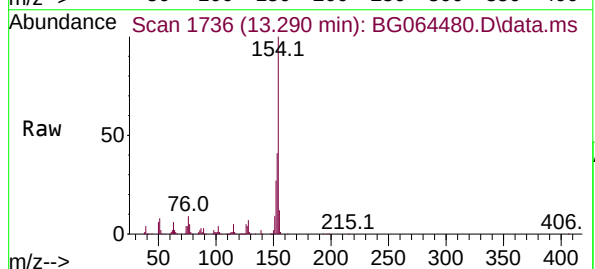
Manual Integrations
APPROVED

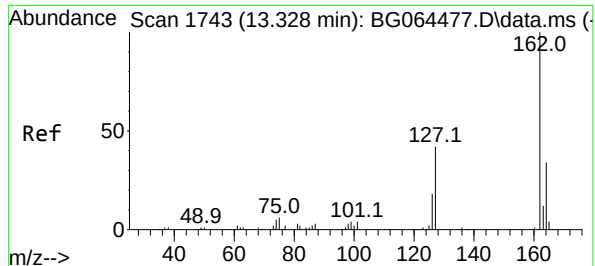
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#46
1,1'-Biphenyl
Concen: 77.125 ng
RT: 13.290 min Scan# 1736
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

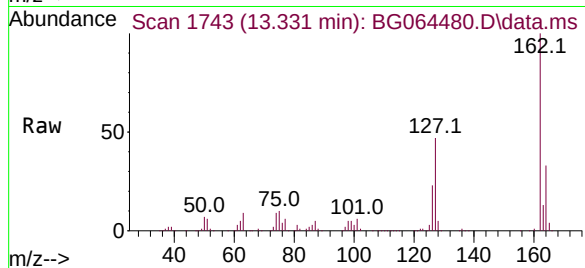
Tgt Ion:154 Resp: 399798
Ion Ratio Lower Upper
154 100
153 40.6 20.7 60.7
76 9.3 0.0 29.3





#47
2-Chloronaphthalene
Concen: 77.951 ng
RT: 13.331 min Scan# 1743
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

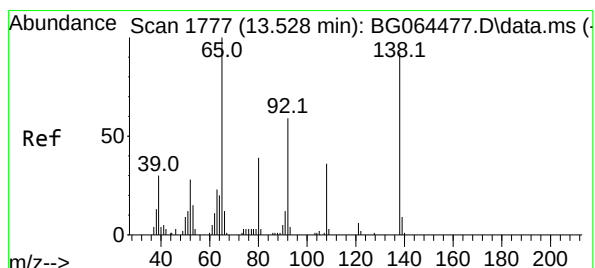
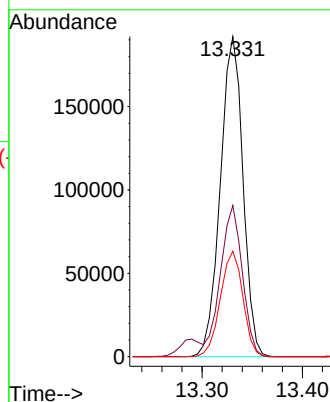
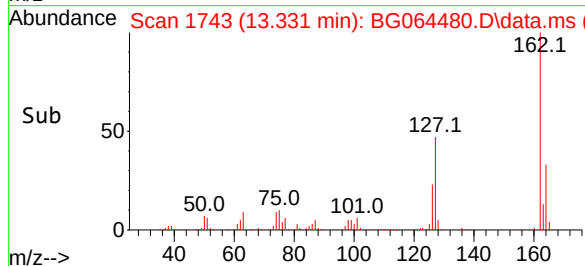
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



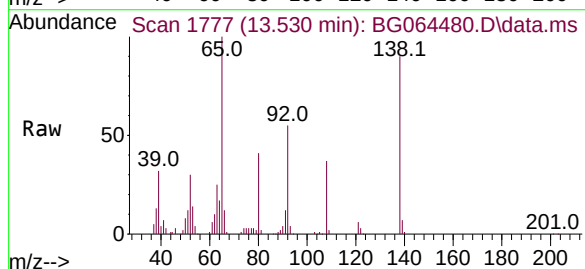
Tgt Ion:162 Resp: 301691
Ion Ratio Lower Upper
162 100
127 47.2 35.8 53.8
164 32.9 27.2 40.8

Manual Integrations
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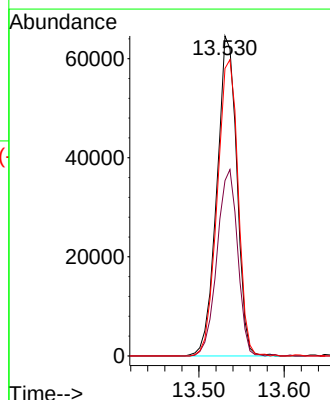
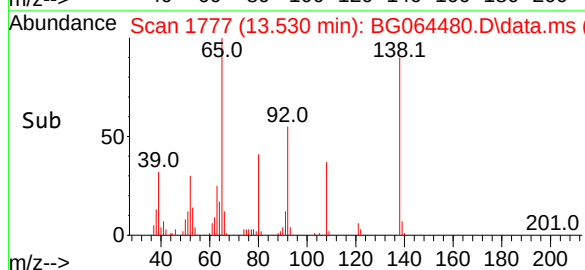
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

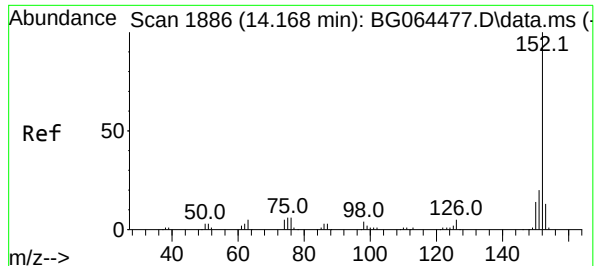


#48
2-Nitroaniline
Concen: 79.555 ng
RT: 13.530 min Scan# 1777
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



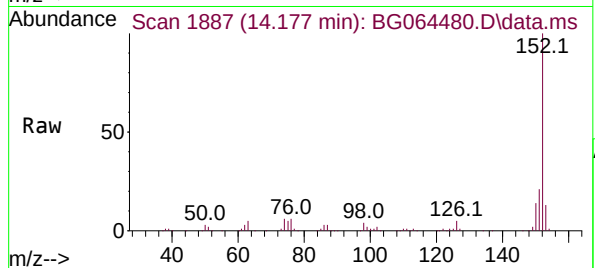
Tgt Ion: 65 Resp: 105087
Ion Ratio Lower Upper
65 100
92 54.8 47.0 70.6
138 89.8 73.5 110.3





#49
Acenaphthylene
Concen: 77.600 ng
RT: 14.177 min Scan# 1887
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

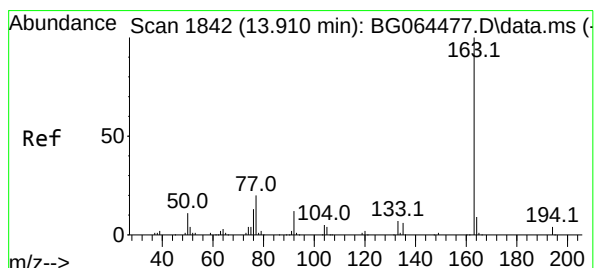
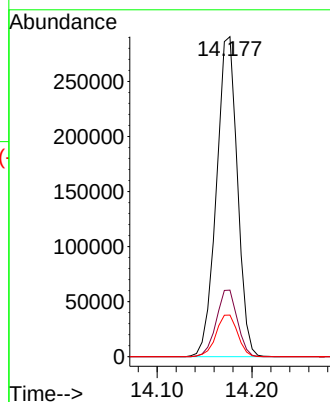
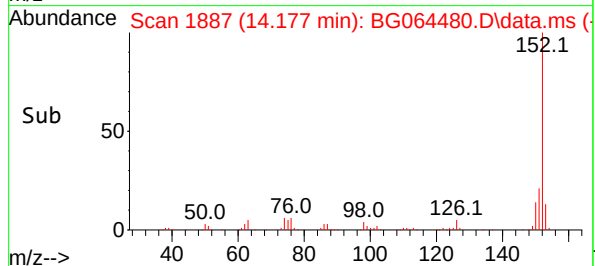
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:152 Resp: 445834
Ion Ratio Lower Upper
152 100
151 20.8 15.8 23.6
153 13.0 10.6 15.8

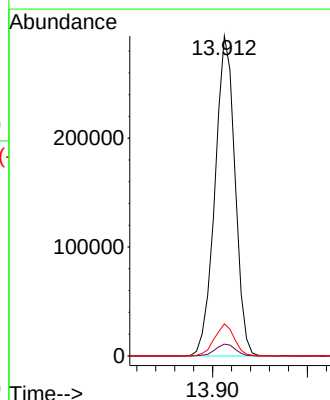
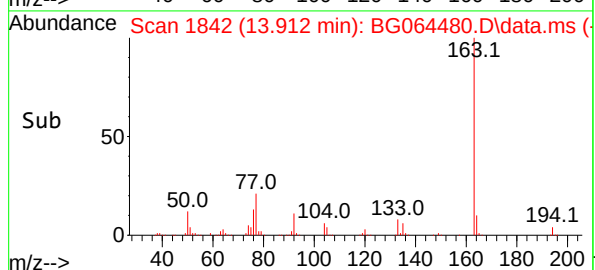
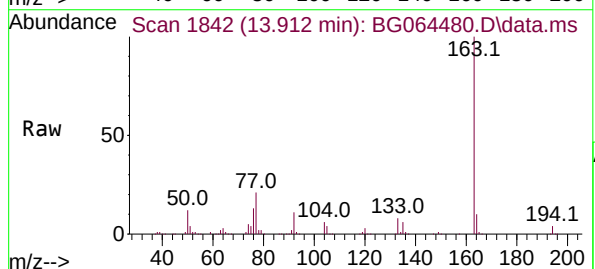
Manual Integrations
APPROVED

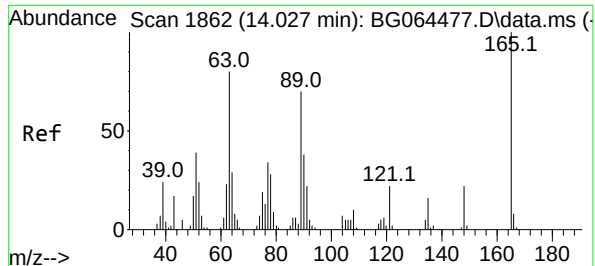
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#50
Dimethylphthalate
Concen: 76.251 ng
RT: 13.912 min Scan# 1842
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

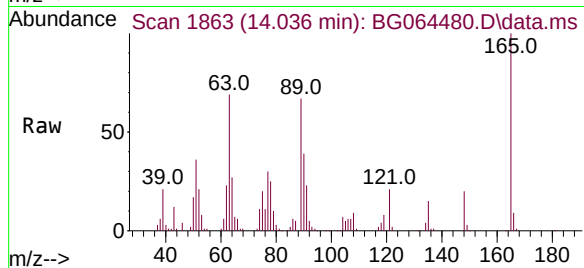
Tgt Ion:163 Resp: 430419
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.0 7.4 11.0





#51
2,6-Dinitrotoluene
Concen: 77.551 ng
RT: 14.036 min Scan# 1863
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

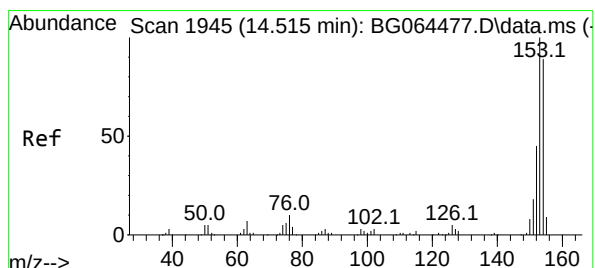
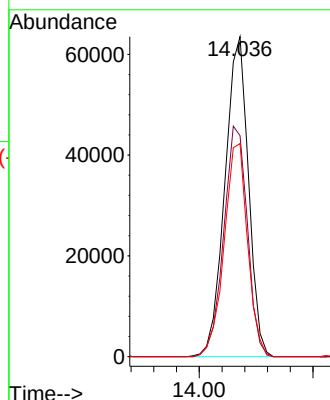
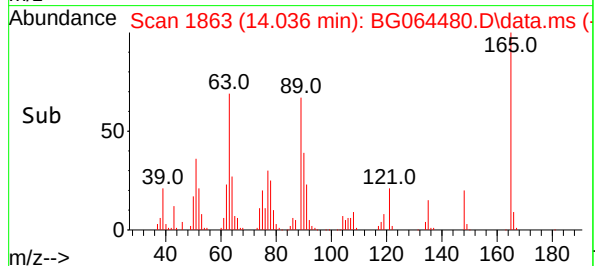
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 91191
Ion Ratio Lower Upper
165 100
63 69.0 63.9 95.9
89 66.6 56.1 84.1

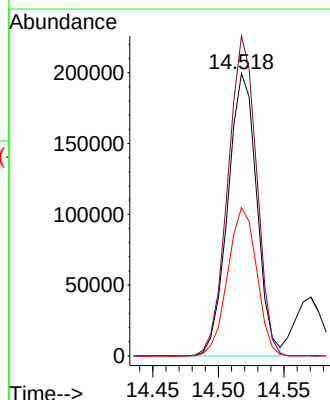
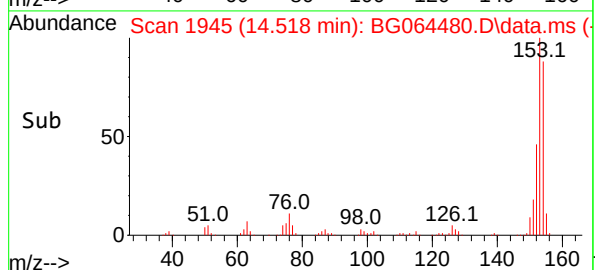
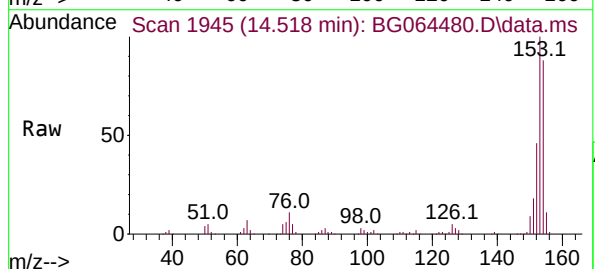
Manual Integrations
APPROVED

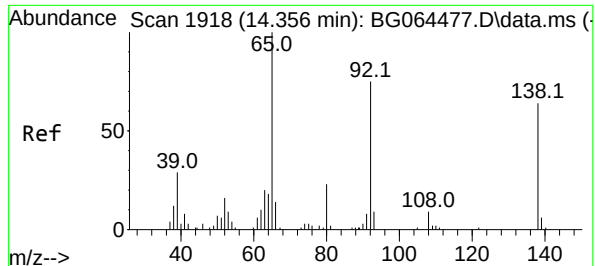
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#52
Acenaphthene
Concen: 76.421 ng
RT: 14.518 min Scan# 1945
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

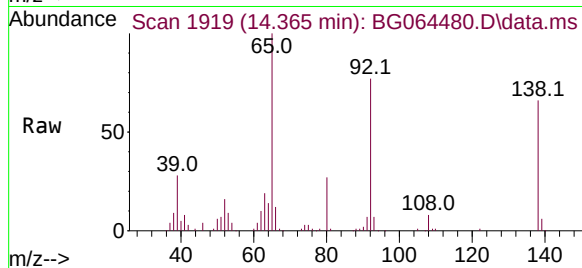
Tgt Ion:154 Resp: 305038
Ion Ratio Lower Upper
154 100
153 113.3 90.2 135.4
152 52.5 40.2 60.4





#53
3-Nitroaniline
Concen: 78.688 ng
RT: 14.365 min Scan# 1918
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

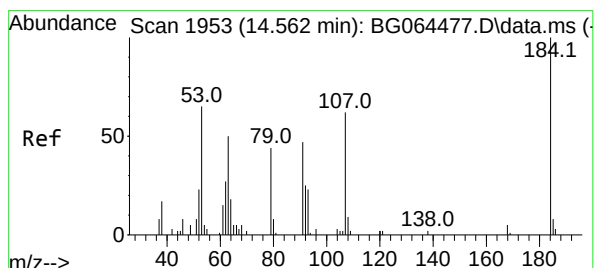
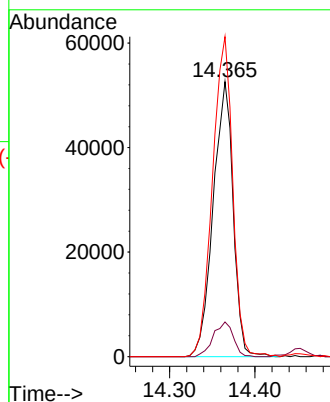
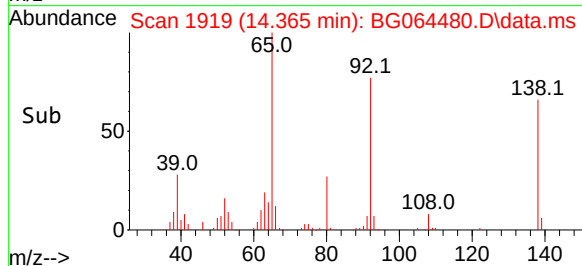
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



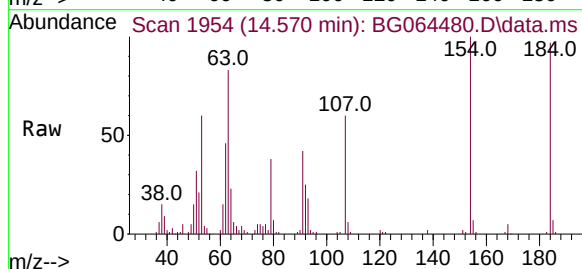
Tgt Ion:138 Resp: 85333
Ion Ratio Lower Upper
138 100
108 12.6 10.6 15.8
92 116.4 93.2 139.8

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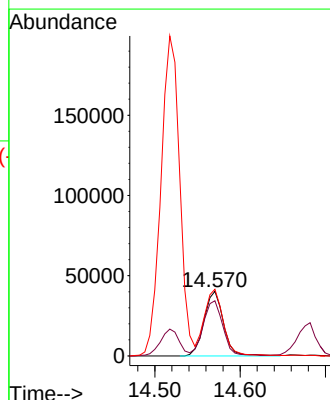
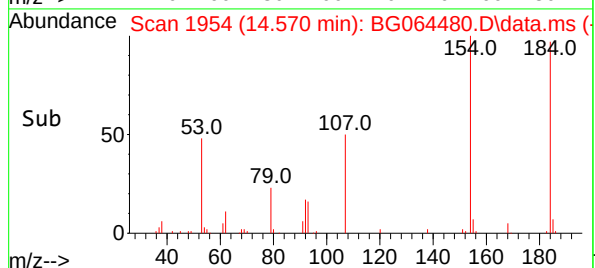
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

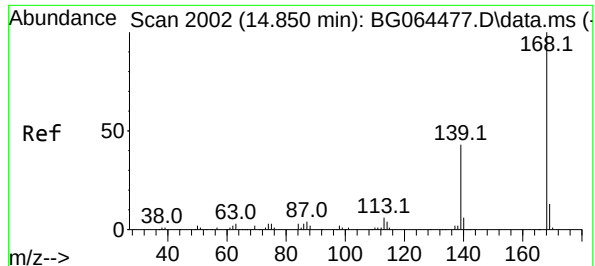


#54
2,4-Dinitrophenol
Concen: 74.326 ng
RT: 14.570 min Scan# 1954
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



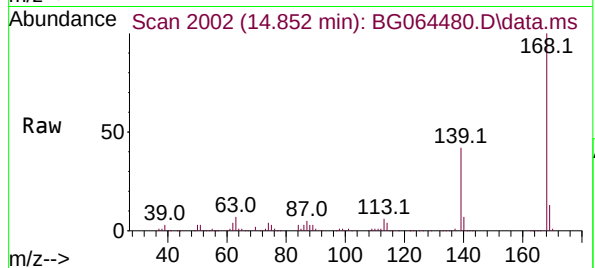
Tgt Ion:184 Resp: 63374
Ion Ratio Lower Upper
184 100
63 85.4 69.0 103.4
154 103.1 95.6 143.4





#55
Dibenzenofuran
Concen: 76.684 ng
RT: 14.852 min Scan# 2002
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

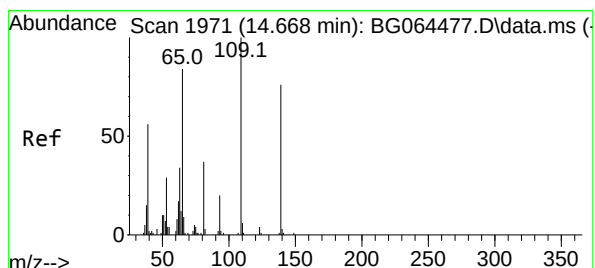
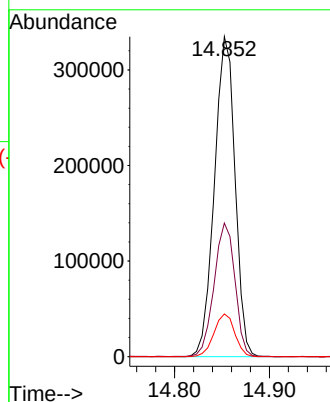
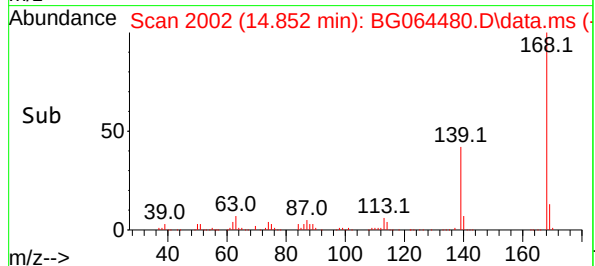
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:168 Resp: 505395
Ion Ratio Lower Upper
168 100
139 41.7 34.0 51.0
169 13.3 10.2 15.2

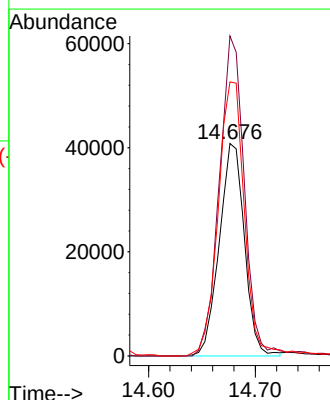
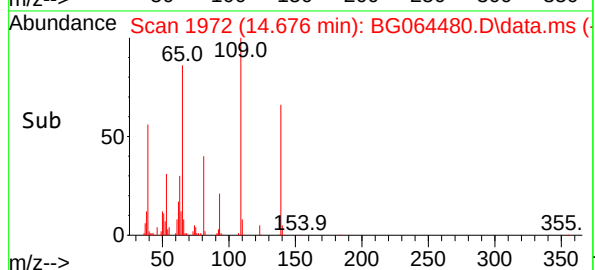
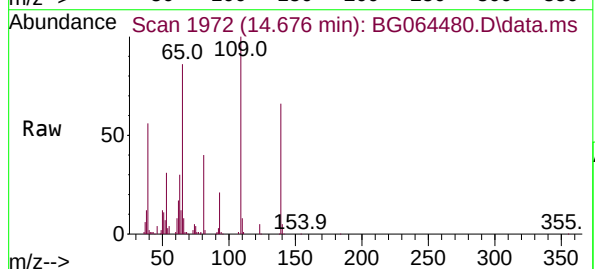
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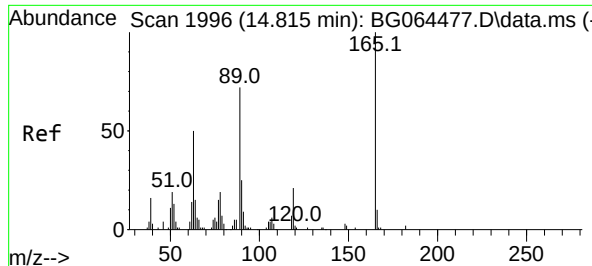
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#56
4-Nitrophenol
Concen: 78.369 ng
RT: 14.676 min Scan# 1972
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

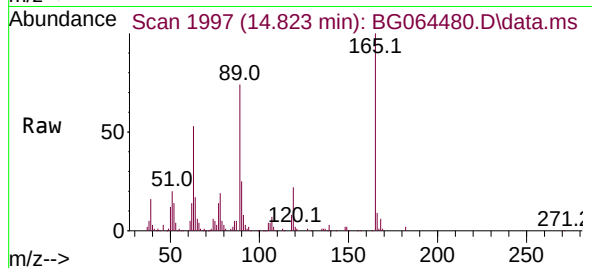
Tgt Ion:139 Resp: 66912
Ion Ratio Lower Upper
139 100
109 150.7 111.8 151.8
65 129.0 91.1 131.1





#57
2,4-Dinitrotoluene
Concen: 76.527 ng
RT: 14.823 min Scan# 1996
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

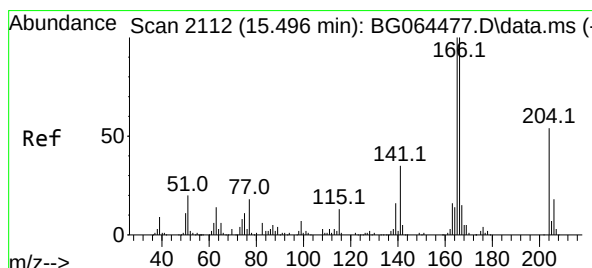
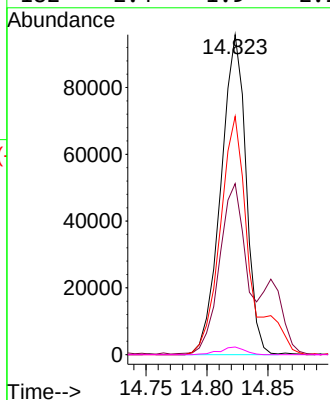
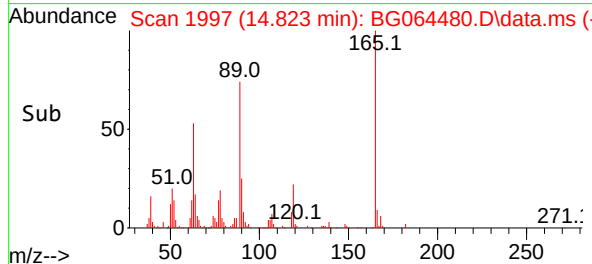
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 137560
Ion Ratio Lower Upper
165 100
63 53.4 40.4 60.6
89 74.4 57.3 85.9
182 2.4 1.9 2.9

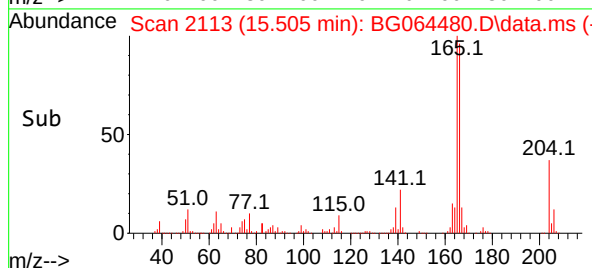
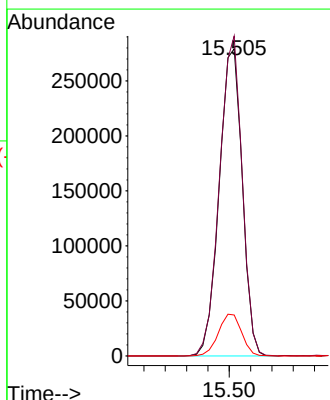
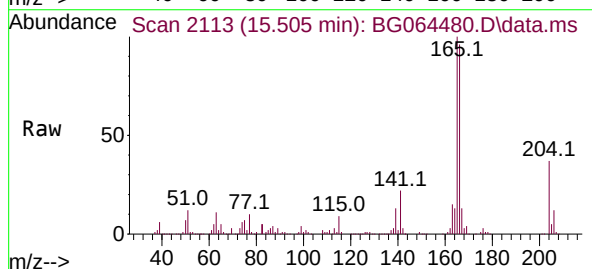
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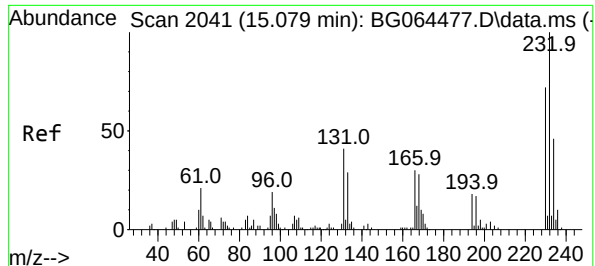
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#58
Fluorene
Concen: 76.728 ng
RT: 15.505 min Scan# 2113
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:166 Resp: 420400
Ion Ratio Lower Upper
166 100
165 104.2 79.8 119.6
167 13.3 11.7 17.5





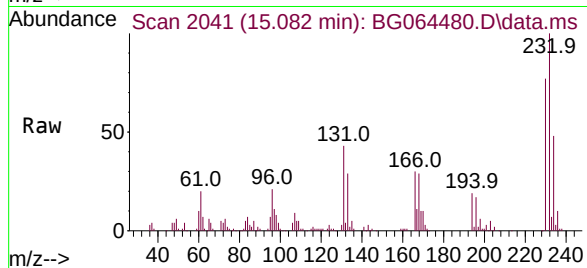
#59
2,3,4,6-Tetrachlorophenol
Concen: 77.799 ng
RT: 15.082 min Scan# 2041
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

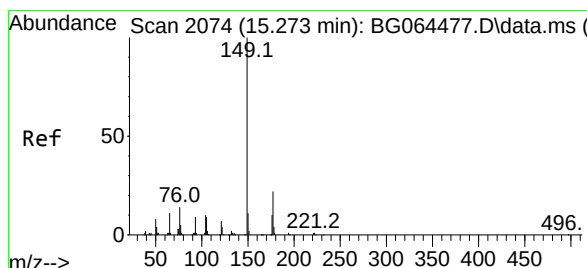
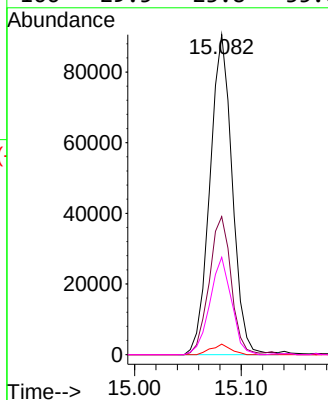
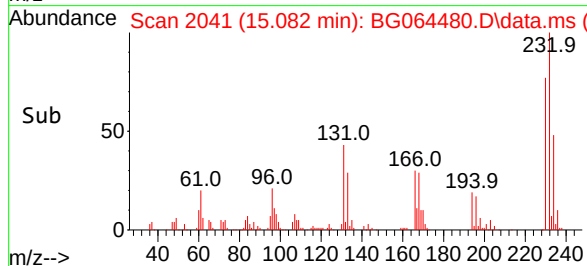


Tgt Ion:232 Resp: 131866
Ion Ratio Lower Upper
232 100
131 43.0 35.0 52.4
130 2.8 2.0 3.0
166 29.5 23.8 35.6

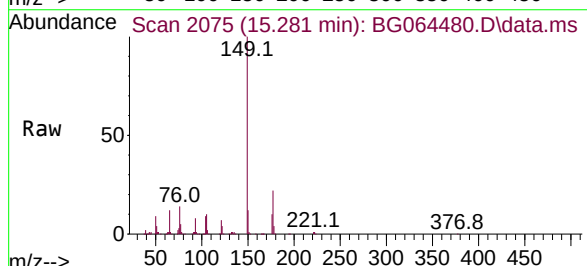
Manual Integrations

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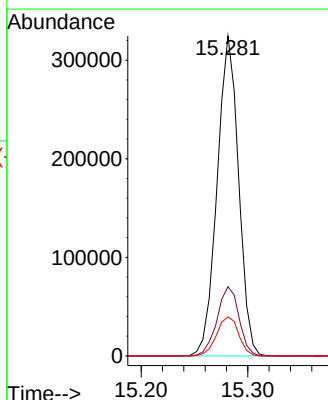
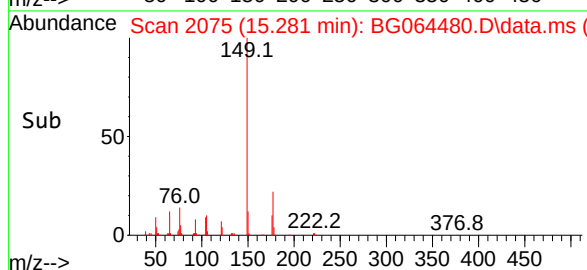
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

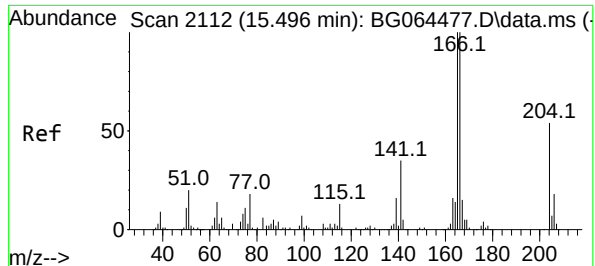


#60
Diethylphthalate
Concen: 75.126 ng
RT: 15.281 min Scan# 2075
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



Tgt Ion:149 Resp: 454922
Ion Ratio Lower Upper
149 100
177 21.6 17.4 26.0
150 12.2 9.1 13.7





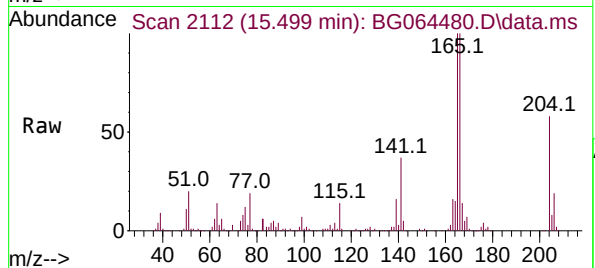
#61
4-Chlorophenyl-phenylether
Concen: 76.517 ng
RT: 15.499 min Scan# 2112
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

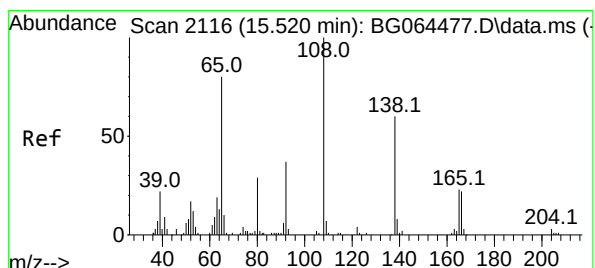
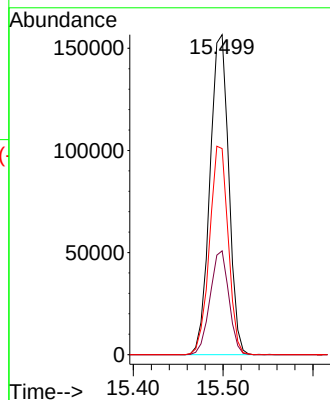
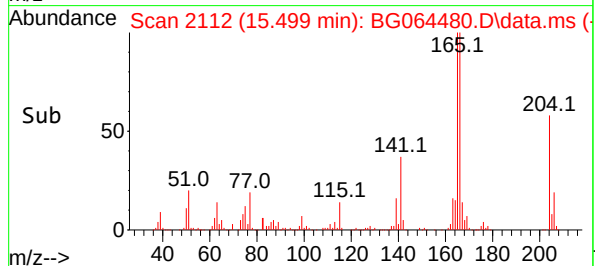


Tgt Ion:204 Resp: 228883
Ion Ratio Lower Upper
204 100
206 32.5 27.1 40.7
141 64.4 51.5 77.3

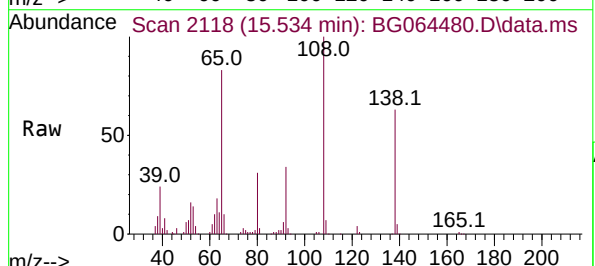
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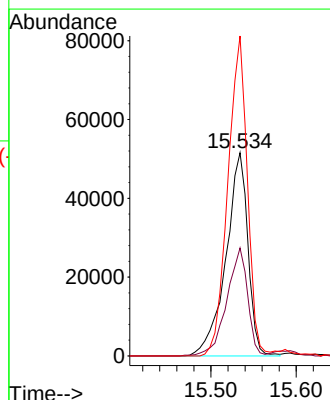
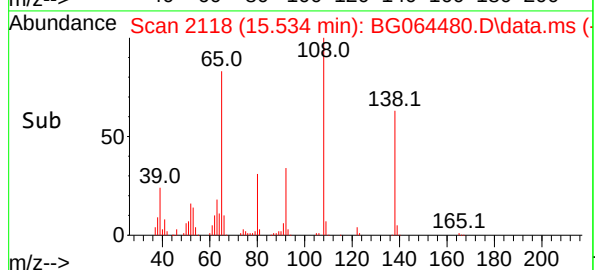
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

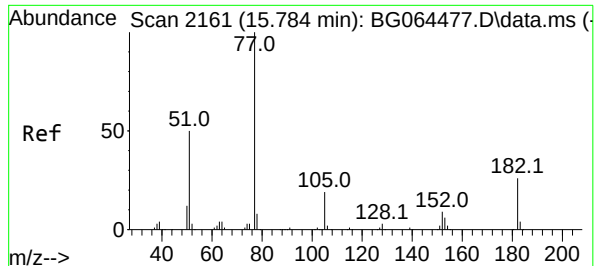


#62
4-Nitroaniline
Concen: 81.579 ng
RT: 15.534 min Scan# 2118
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



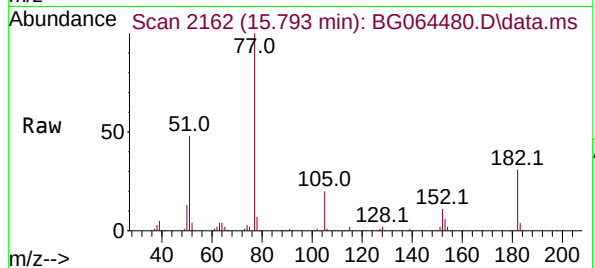
Tgt Ion:138 Resp: 92207
Ion Ratio Lower Upper
138 100
92 53.1 42.3 82.3
108 157.6 147.7 187.7





#63
Azobenzene
Concen: 74.723 ng
RT: 15.793 min Scan# 2161
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

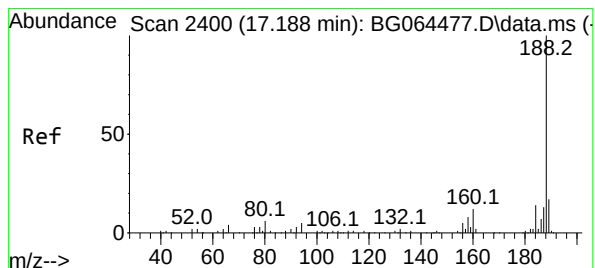
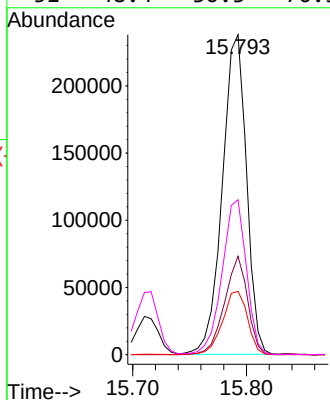
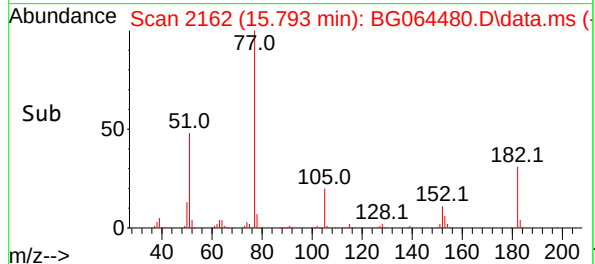
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 350430
Ion Ratio Lower Upper
77 100
182 30.7 6.3 46.3
105 19.8 0.0 38.7
51 48.4 30.3 70.3

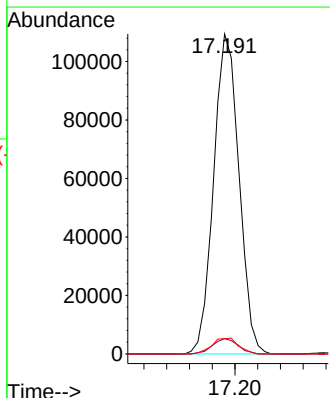
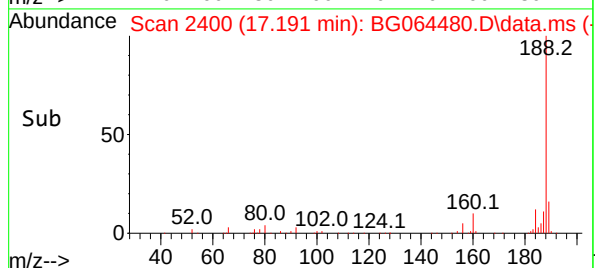
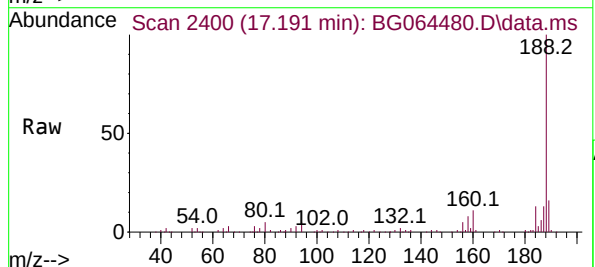
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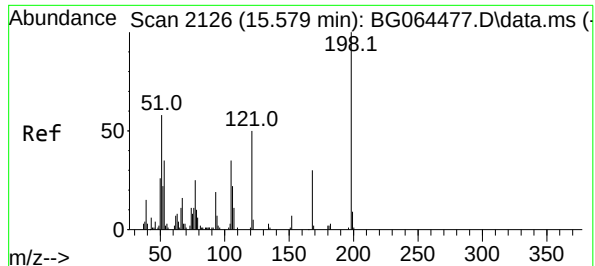
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.191 min Scan# 2400
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:188 Resp: 168856
Ion Ratio Lower Upper
188 100
94 4.8 3.7 5.5
80 4.7 4.5 6.7





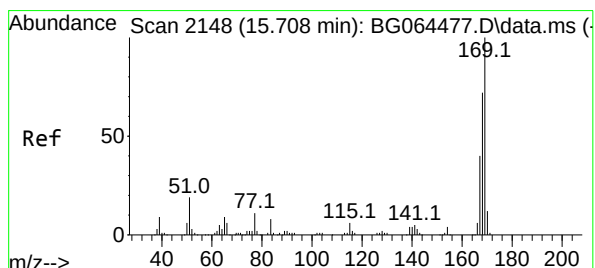
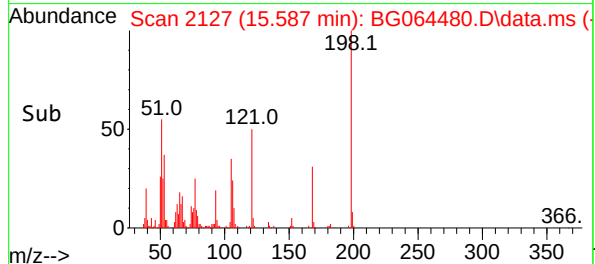
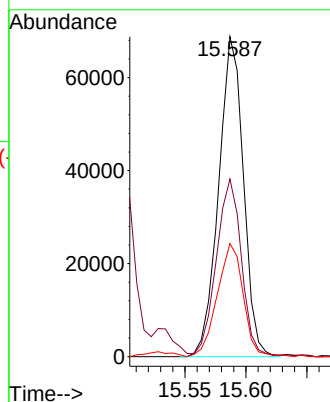
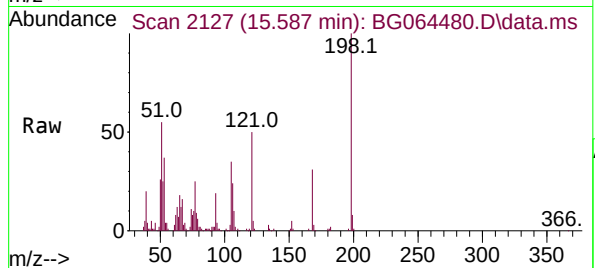
#65
4,6-Dinitro-2-methylphenol
Concen: 82.760 ng
RT: 15.587 min Scan# 2126
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 97300
Ion Ratio Lower Upper
198 100
51 55.5 39.0 79.0
105 35.3 15.8 55.8

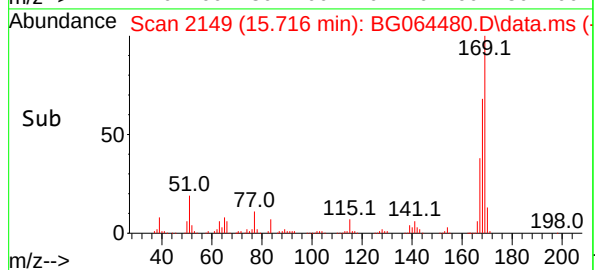
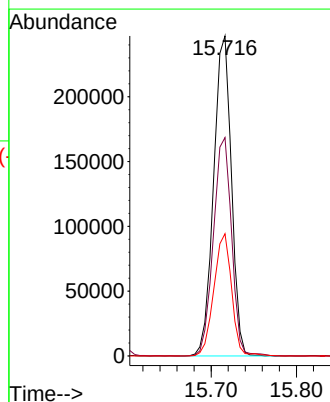
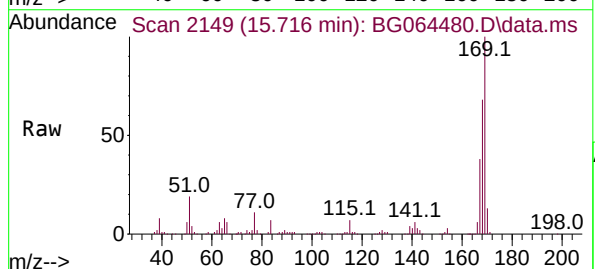
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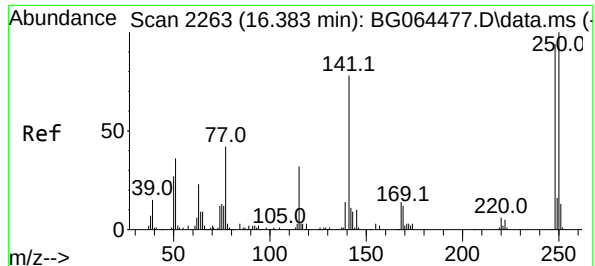
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#66
n-Nitrosodiphenylamine
Concen: 79.230 ng
RT: 15.716 min Scan# 2149
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

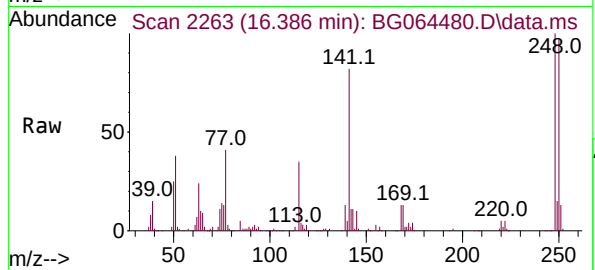
Tgt Ion:169 Resp: 357258
Ion Ratio Lower Upper
169 100
168 68.2 57.8 86.6
167 38.2 31.7 47.5





#67
4-Bromophenyl-phenylether
Concen: 81.997 ng
RT: 16.386 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

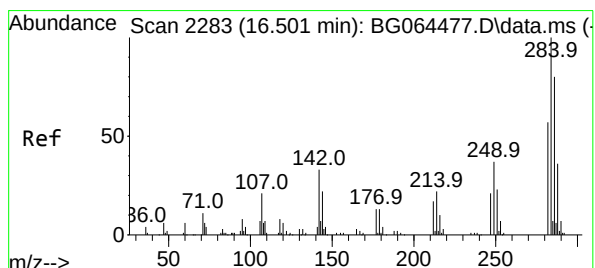
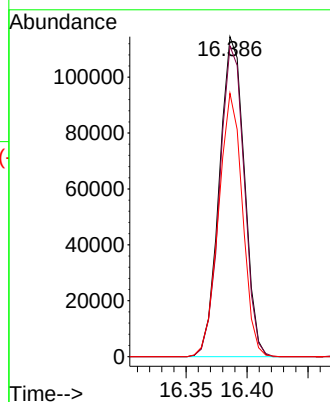
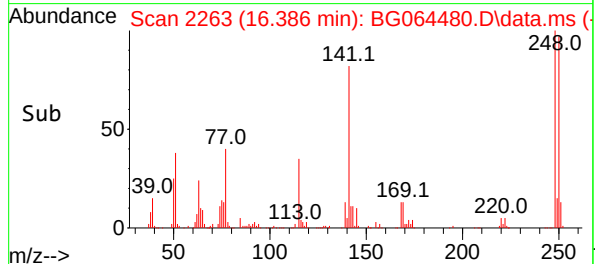
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



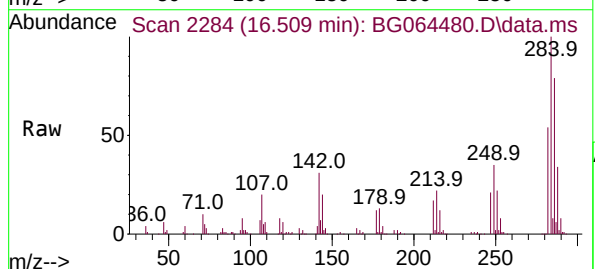
Tgt Ion:248 Resp: 162931
Ion Ratio Lower Upper
248 100
250 97.1 85.3 127.9
141 82.3 66.2 99.2

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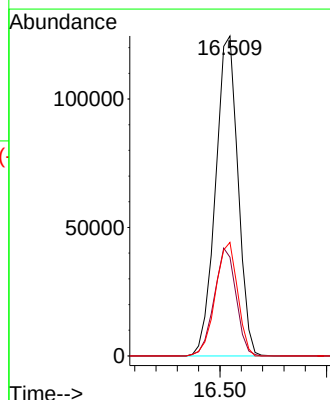
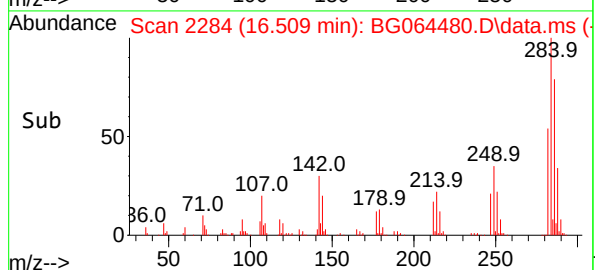
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

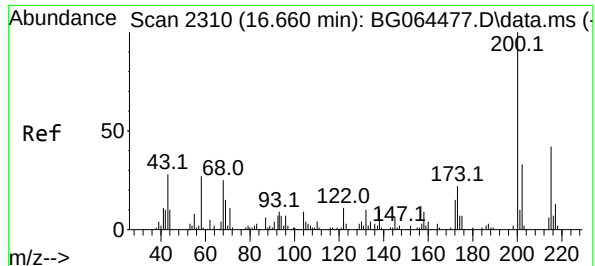


#68
Hexachlorobenzene
Concen: 80.068 ng
RT: 16.509 min Scan# 2284
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



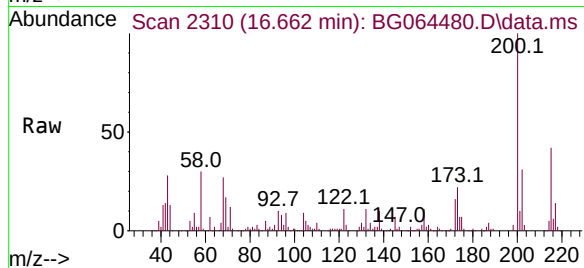
Tgt Ion:284 Resp: 182054
Ion Ratio Lower Upper
284 100
142 30.8 26.2 39.2
249 35.5 29.4 44.0





#69
Atrazine
Concen: 73.799 ng
RT: 16.662 min Scan# 2310
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

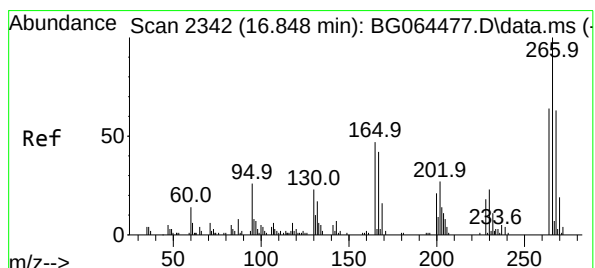
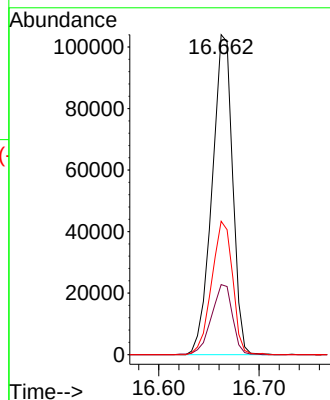
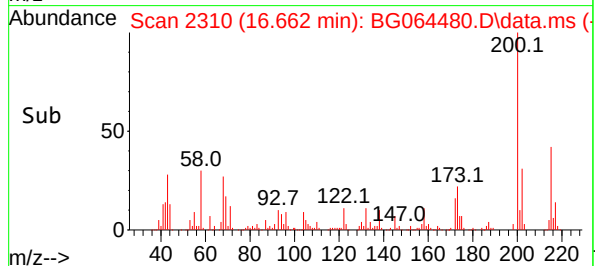
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



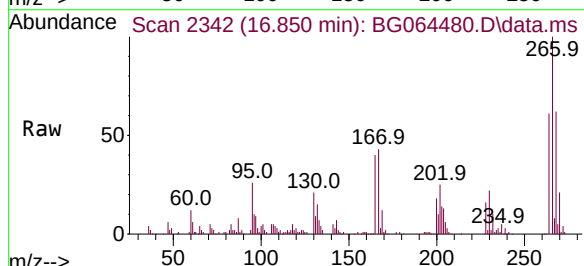
Tgt Ion:200 Resp: 148051
Ion Ratio Lower Upper
200 100
173 21.9 2.5 42.5
215 41.7 21.5 61.5

Manual Integrations
APPROVED

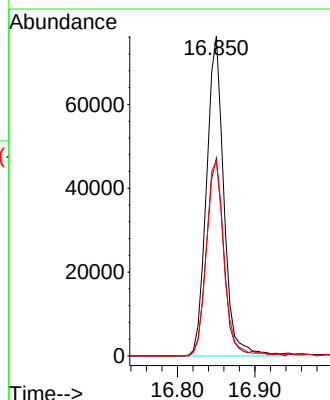
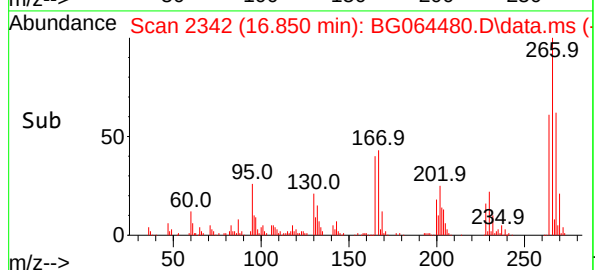
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

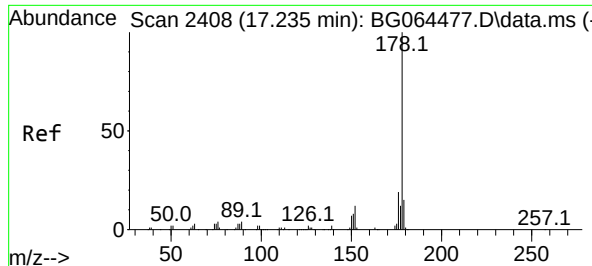


#70
Pentachlorophenol
Concen: 88.752 ng
RT: 16.850 min Scan# 2342
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



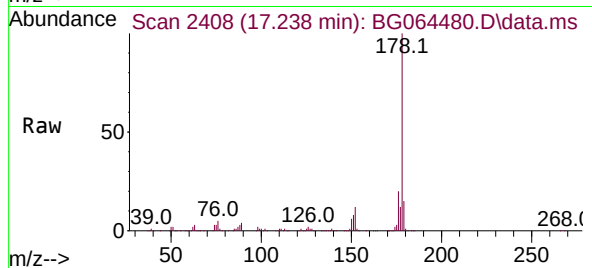
Tgt Ion:266 Resp: 117991
Ion Ratio Lower Upper
266 100
268 61.7 50.6 75.8
264 60.9 51.2 76.8





#71
Phenanthrene
Concen: 77.283 ng
RT: 17.238 min Scan# 2408
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

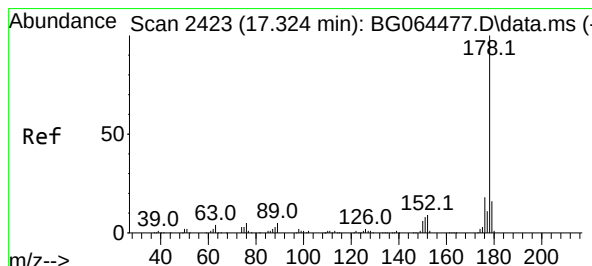
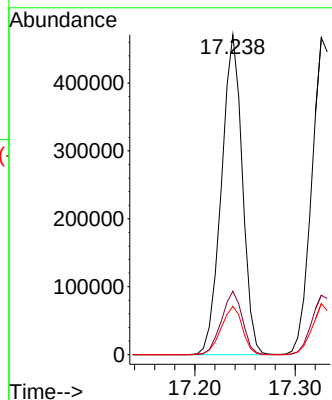
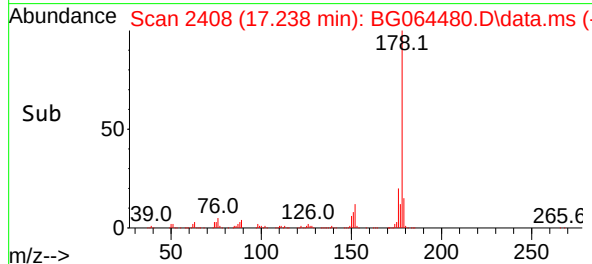
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 682440
Ion Ratio Lower Upper
178 100
176 19.8 15.2 22.8
179 15.1 11.8 17.6

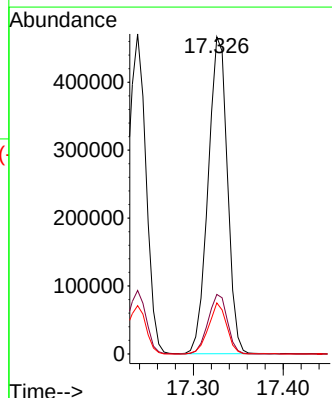
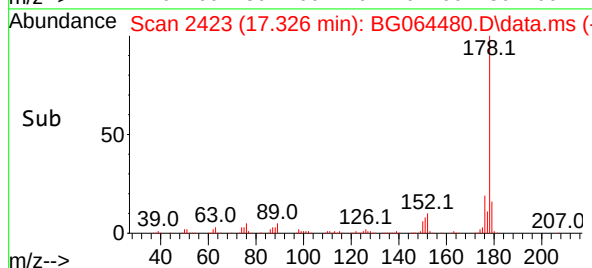
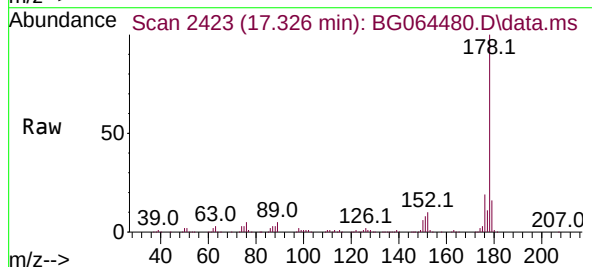
Manual Integrations
APPROVED

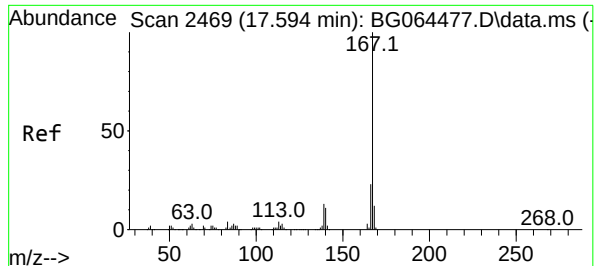
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#72
Anthracene
Concen: 78.433 ng
RT: 17.326 min Scan# 2423
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

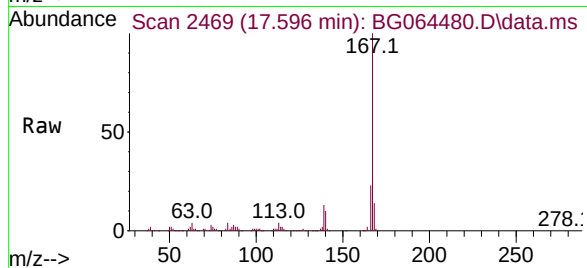
Tgt Ion:178 Resp: 694820
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 16.1 12.5 18.7





#73
Carbazole
Concen: 77.661 ng
RT: 17.596 min Scan# 2469
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

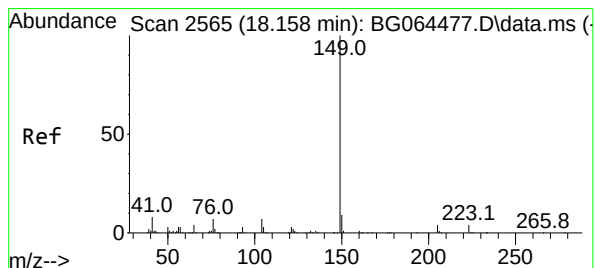
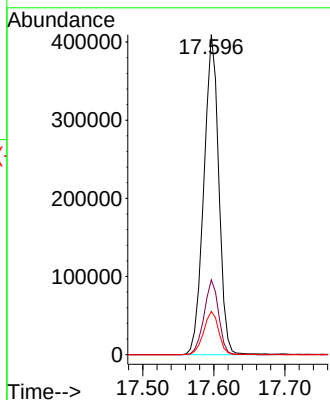
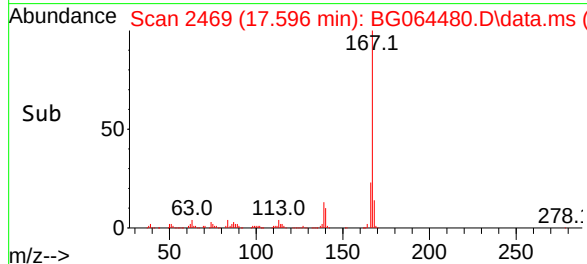
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:167 Resp: 594662
Ion Ratio Lower Upper
167 100
166 23.4 18.6 27.8
139 13.5 10.2 15.4

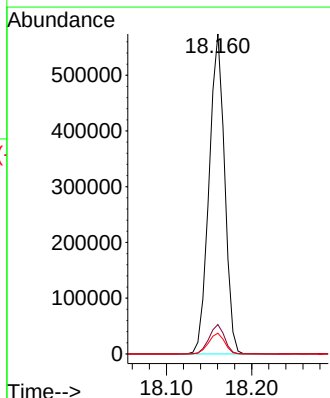
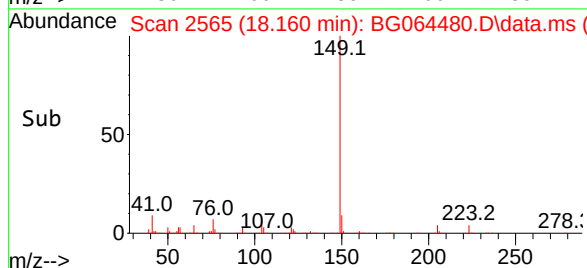
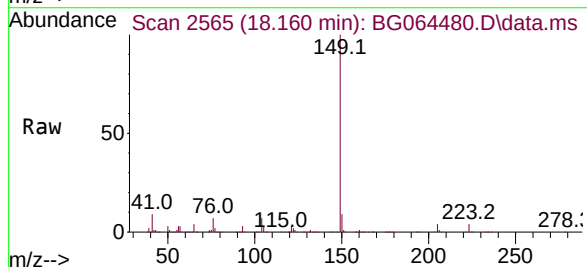
Manual Integrations
APPROVED

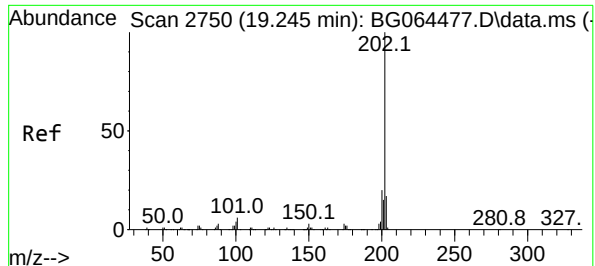
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#74
Di-n-butylphthalate
Concen: 77.727 ng
RT: 18.160 min Scan# 2565
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

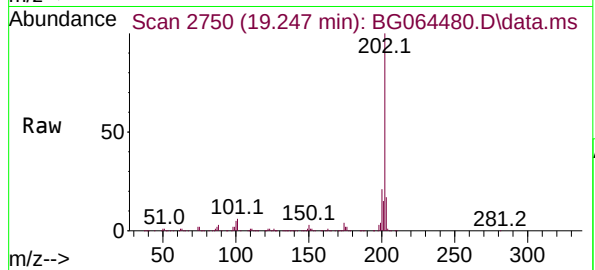
Tgt Ion:149 Resp: 726555
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 6.5 5.3 7.9





#75
Fluoranthene
Concen: 77.060 ng
RT: 19.247 min Scan# 2750
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

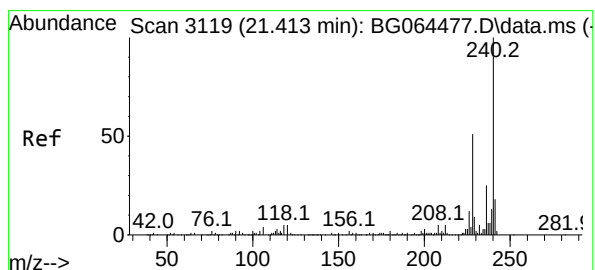
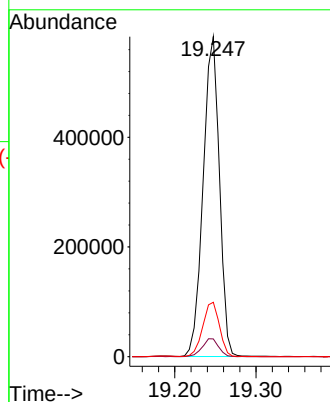
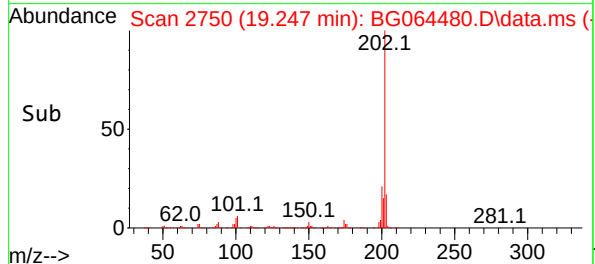
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



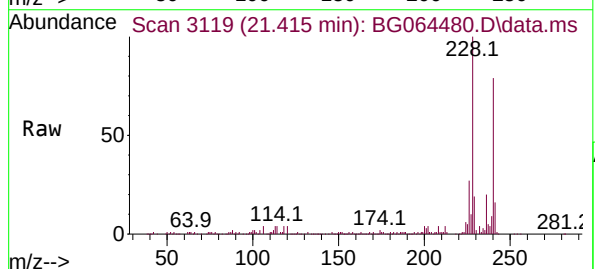
Tgt Ion:202 Resp: 812928
Ion Ratio Lower Upper
202 100
101 5.5 0.0 25.7
203 17.0 0.0 36.6

Manual Integrations
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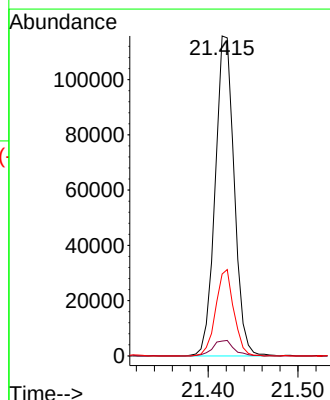
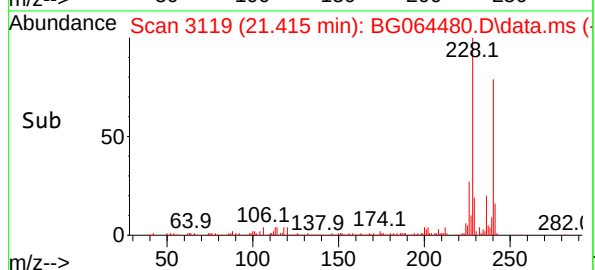
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

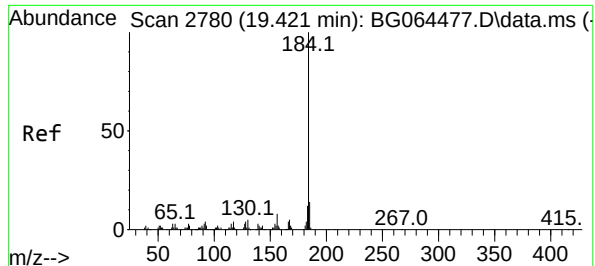


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3119
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



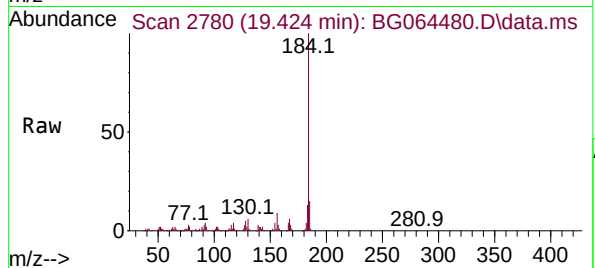
Tgt Ion:240 Resp: 171497
Ion Ratio Lower Upper
240 100
120 4.6 4.3 6.5
236 25.6 20.4 30.6





#77
Benzidine
Concen: 57.755 ng
RT: 19.424 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

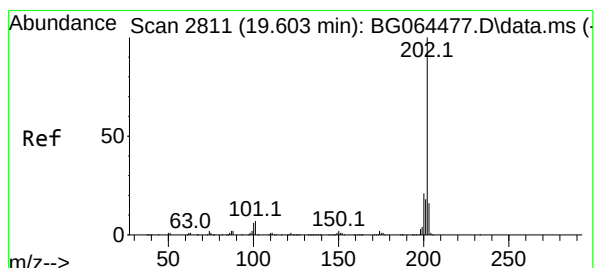
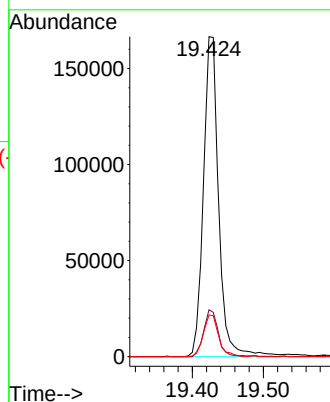
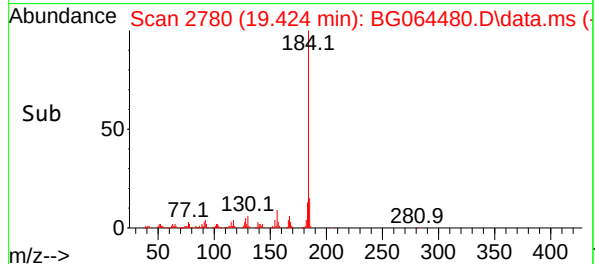
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:184 Resp: 246468
Ion Ratio Lower Upper
184 100
185 14.6 10.9 16.3
183 13.0 9.8 14.6

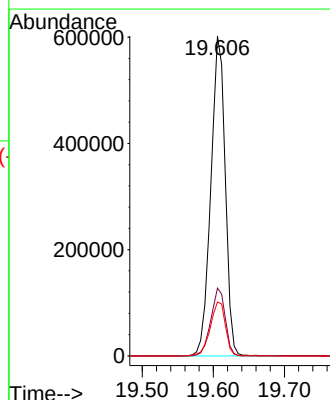
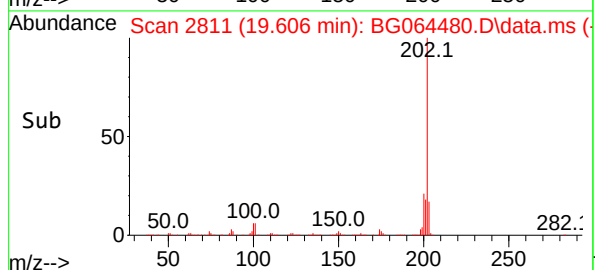
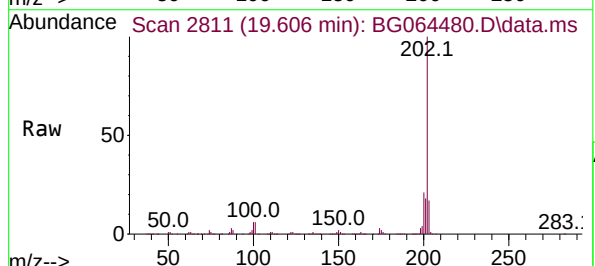
Manual Integrations
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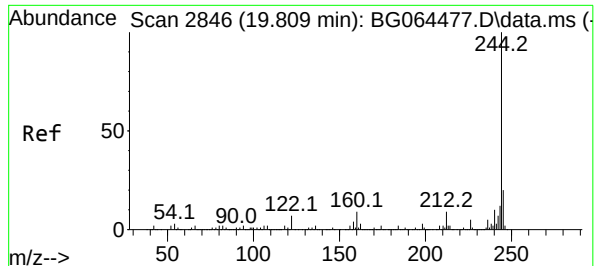
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#78
Pyrene
Concen: 75.840 ng
RT: 19.606 min Scan# 2811
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

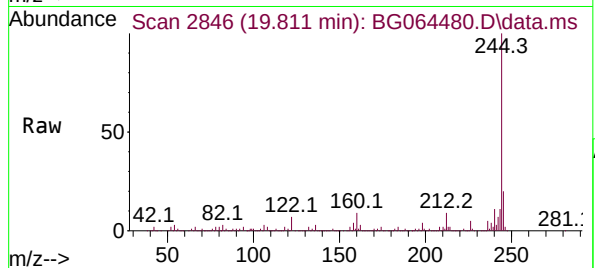
Tgt Ion:202 Resp: 844065
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 16.8 13.0 19.4





#79
Terphenyl-d14
Concen: 151.833 ng
RT: 19.811 min Scan# 2846
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

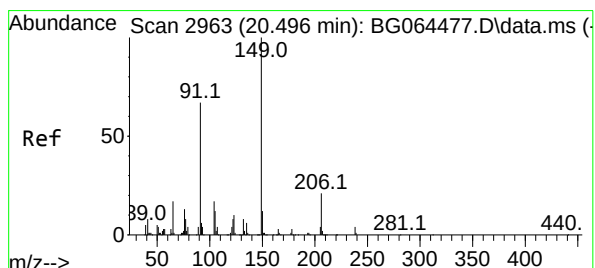
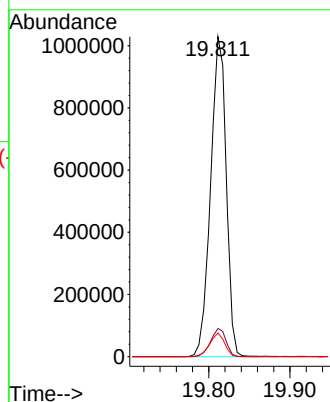
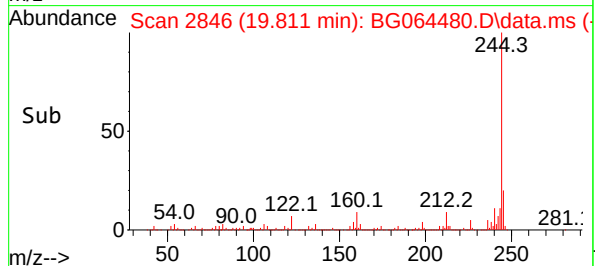
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



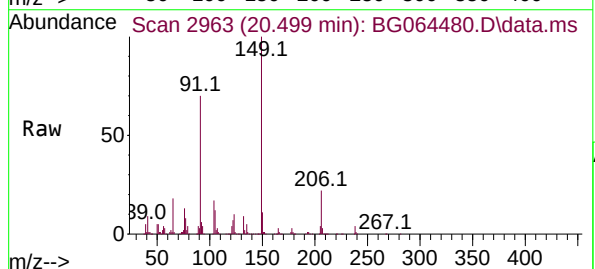
Tgt Ion:244 Resp: 1375899
Ion Ratio Lower Upper
244 100
212 8.8 7.0 10.6
122 7.4 5.6 8.4

Manual Integrations
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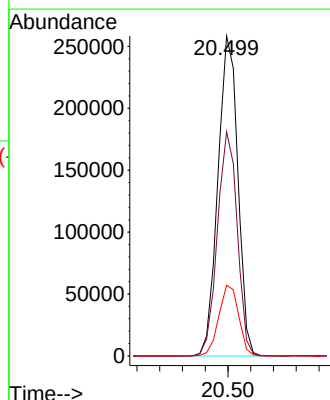
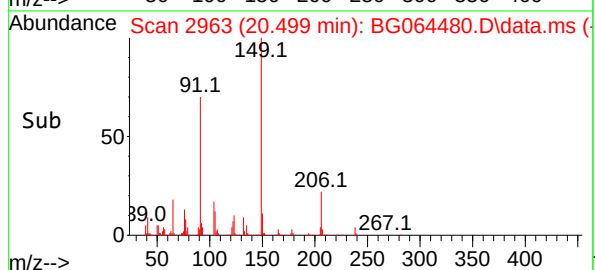
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

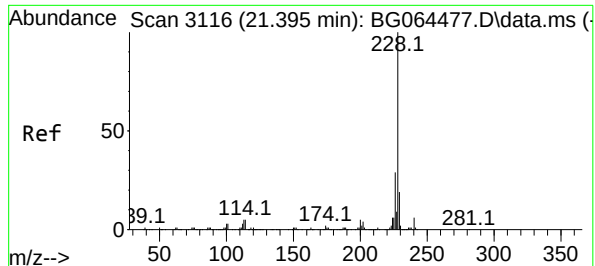


#80
Butylbenzylphthalate
Concen: 79.710 ng
RT: 20.499 min Scan# 2963
Delta R.T. -0.001 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16



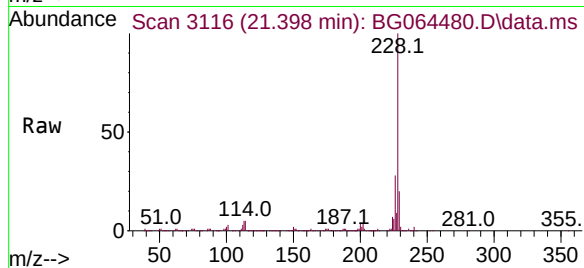
Tgt Ion:149 Resp: 314484
Ion Ratio Lower Upper
149 100
91 70.0 53.7 80.5
206 22.1 16.6 24.8





#81
Benzo(a)anthracene
Concen: 78.497 ng
RT: 21.398 min Scan# 3116
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

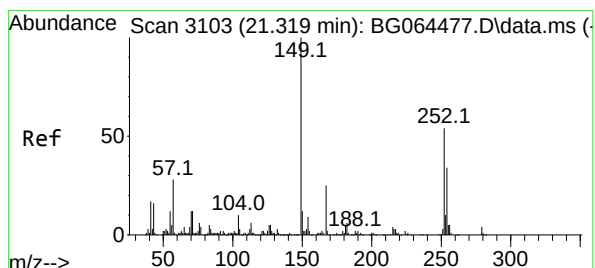
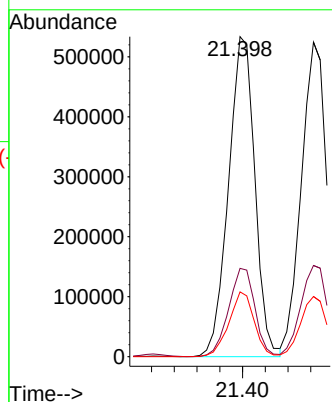
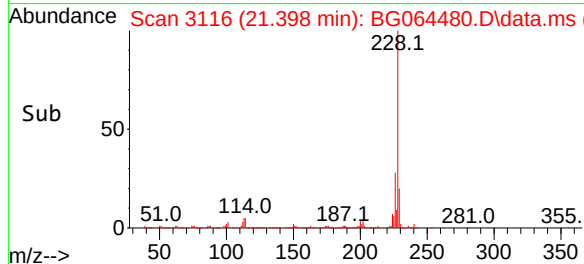
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:228 Resp: 859554
Ion Ratio Lower Upper
228 100
226 27.6 22.8 34.2
229 20.2 15.2 22.8

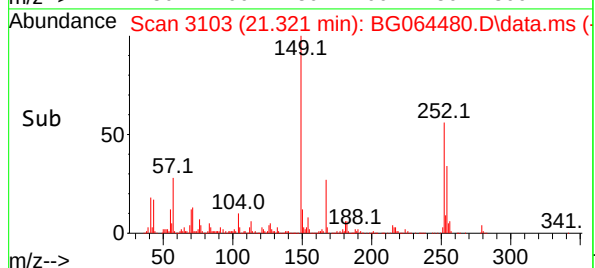
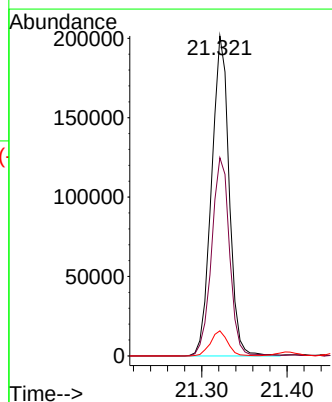
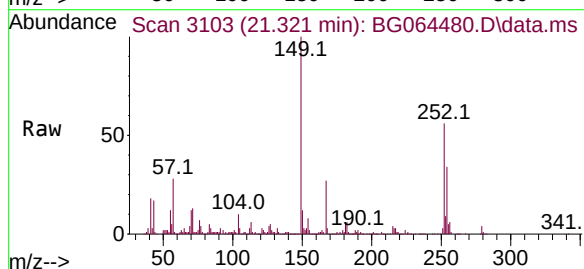
Manual Integrations
APPROVED

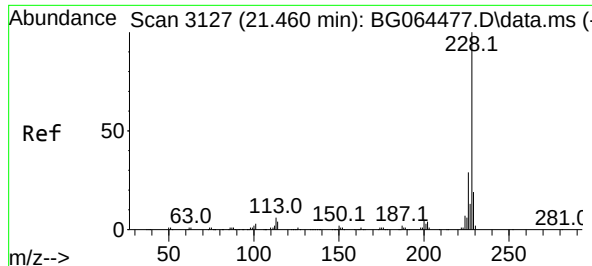
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#82
3,3'-Dichlorobenzidine
Concen: 77.829 ng
RT: 21.321 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:252 Resp: 288449
Ion Ratio Lower Upper
252 100
254 61.9 50.5 75.7
126 7.8 7.1 10.7





#83

Chrysene

Concen: 77.803 ng

RT: 21.462 min Scan# 3127

Delta R.T. 0.011 min

Lab File: BG064480.D

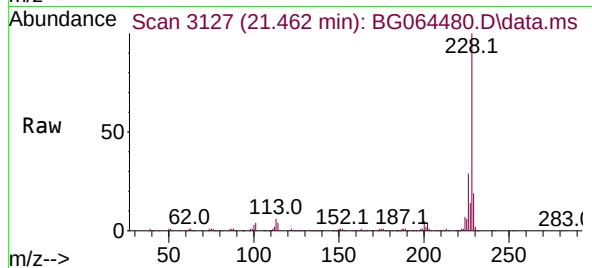
Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080



Tgt Ion:228 Resp: 807962

Ion Ratio Lower Upper

228 100

226 29.0 22.8 34.2

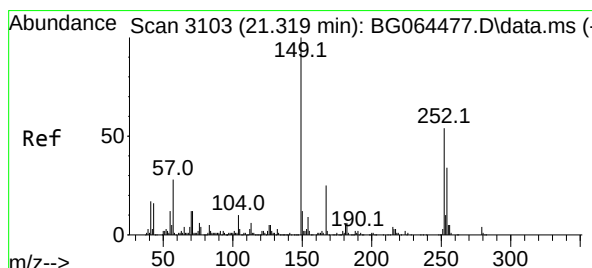
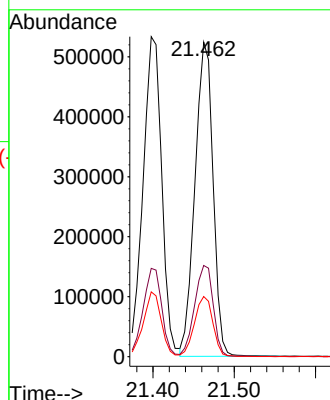
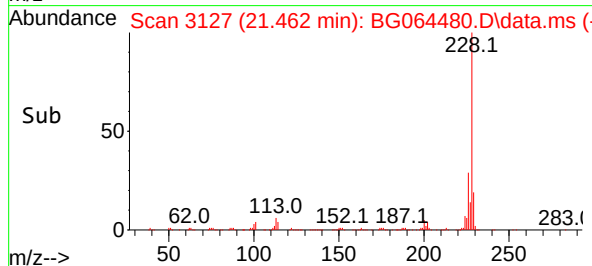
229 19.1 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#84

Bis(2-ethylhexyl)phthalate

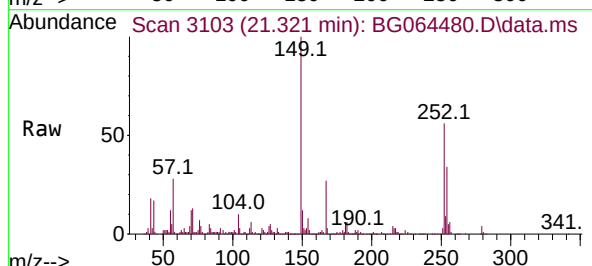
Concen: 81.044 ng

RT: 21.321 min Scan# 3103

Delta R.T. 0.005 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16



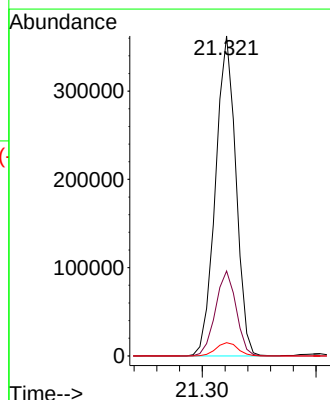
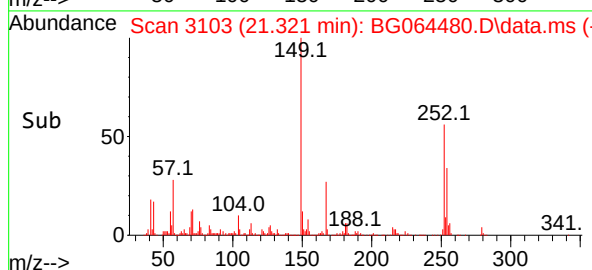
Tgt Ion:149 Resp: 451147

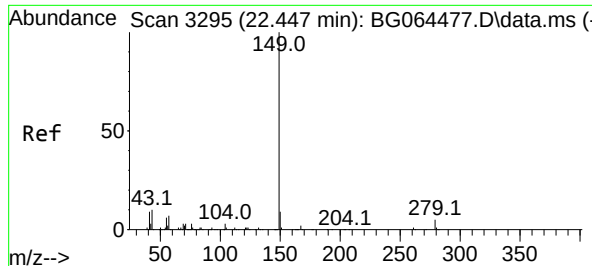
Ion Ratio Lower Upper

149 100

167 26.5 19.7 29.5

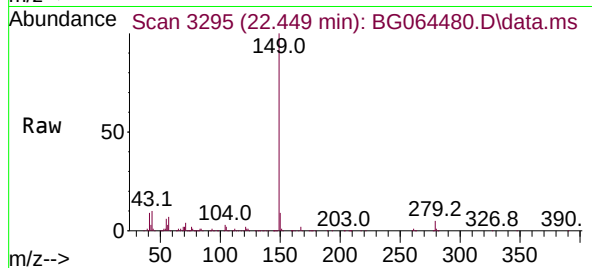
279 4.1 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 79.877 ng
RT: 22.449 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

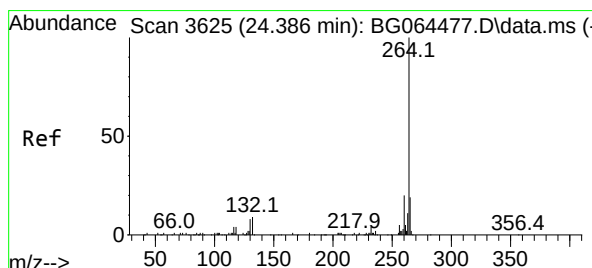
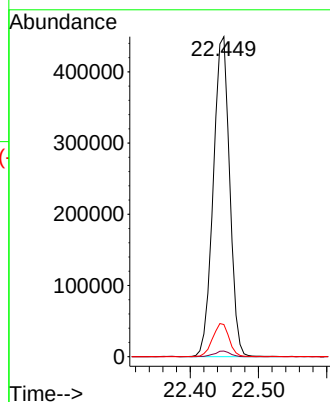
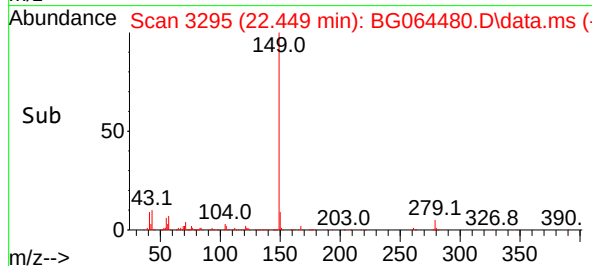
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 747301
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 10.4 7.9 11.9

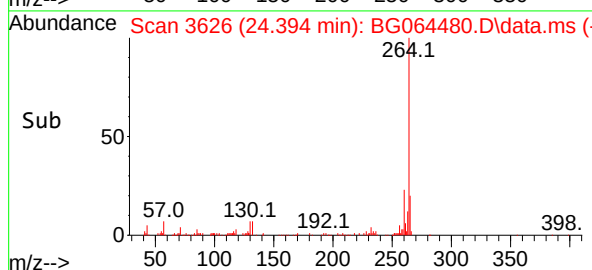
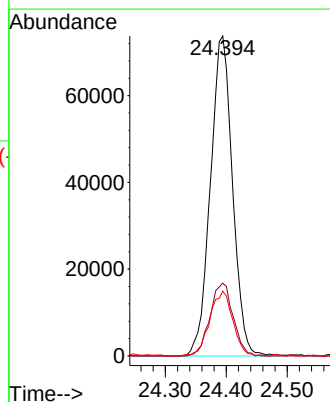
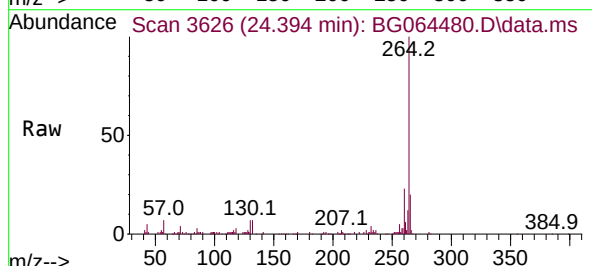
Manual Integrations
APPROVED

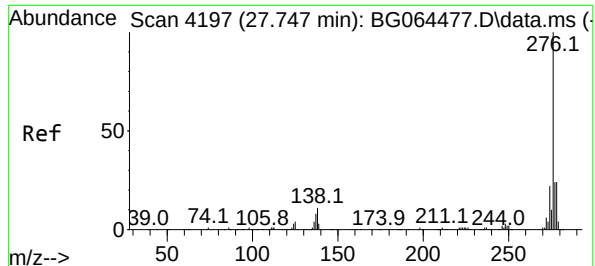
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.394 min Scan# 3626
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

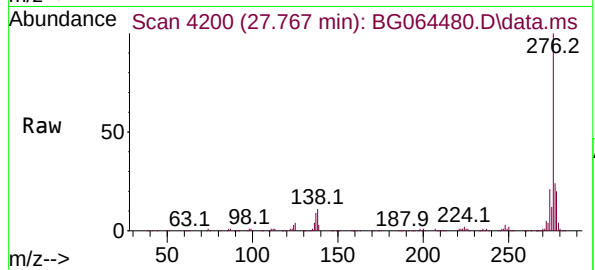
Tgt Ion:264 Resp: 185893
Ion Ratio Lower Upper
264 100
260 22.7 16.2 24.4
265 20.2 15.0 22.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 78.621 ng
RT: 27.767 min Scan# 4197
Delta R.T. 0.034 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

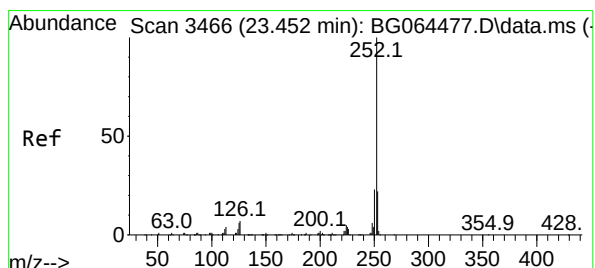
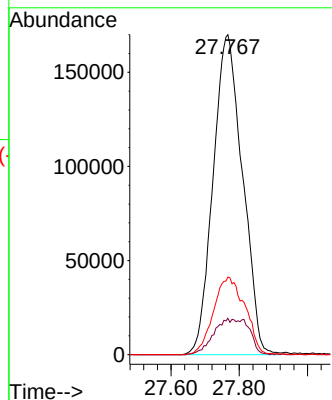
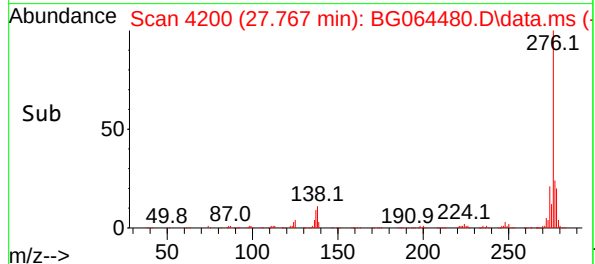
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:276 Resp: 1017303
Ion Ratio Lower Upper
276 100
138 6.5 10.8 16.2
277 26.0 20.3 30.5

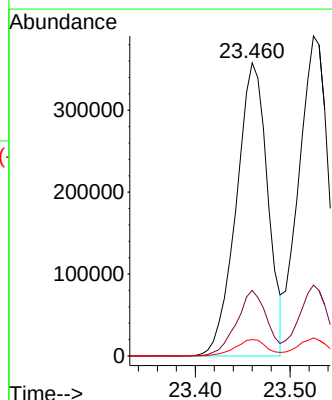
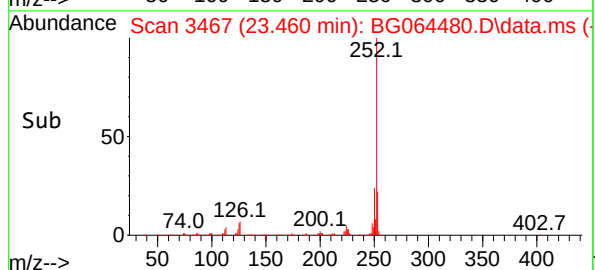
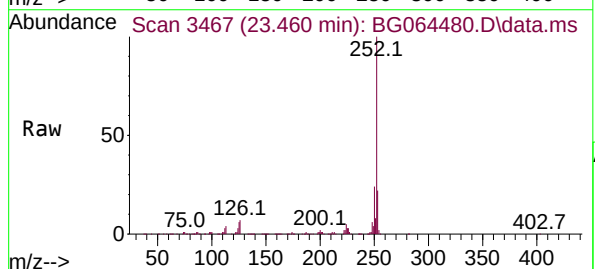
Manual Integrations
APPROVED

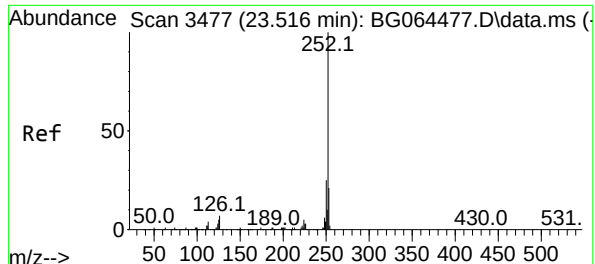
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#88
Benzo(b)fluoranthene
Concen: 78.008 ng
RT: 23.460 min Scan# 3467
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:252 Resp: 824972
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 5.5 4.5 6.7





#89

Benzo(k)fluoranthene

Concen: 79.738 ng

RT: 23.525 min Scan# 3478

Delta R.T. 0.017 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 849303

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

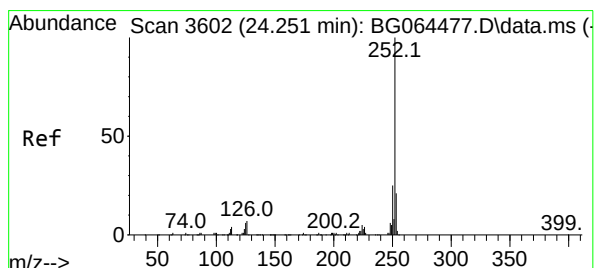
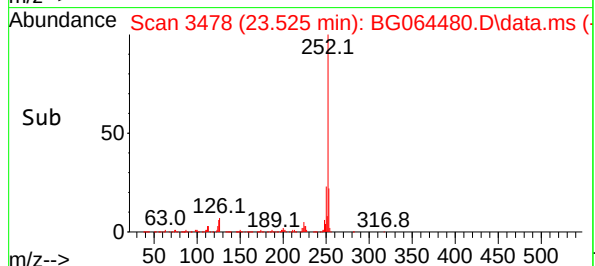
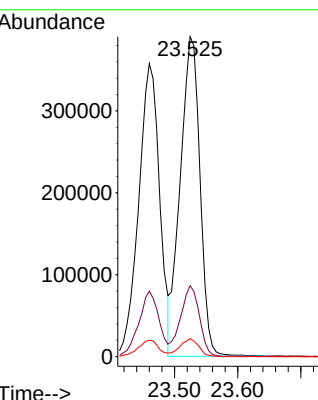
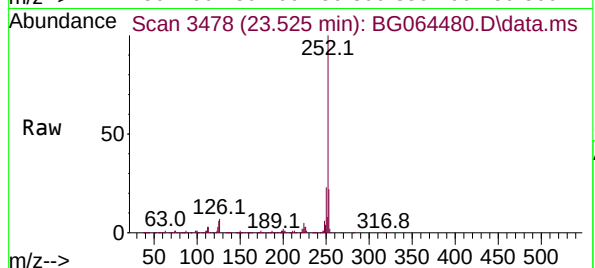
125 5.7 4.0 6.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#90

Benzo(a)pyrene

Concen: 79.130 ng

RT: 24.265 min Scan# 3604

Delta R.T. 0.017 min

Lab File: BG064480.D

Acq: 2 Oct 2025 14:16

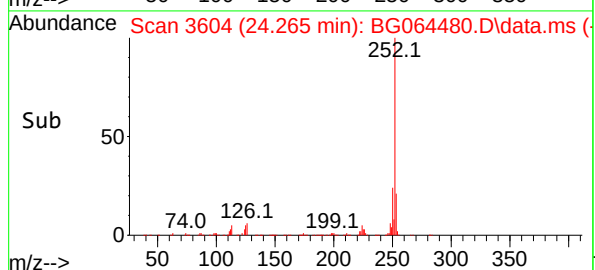
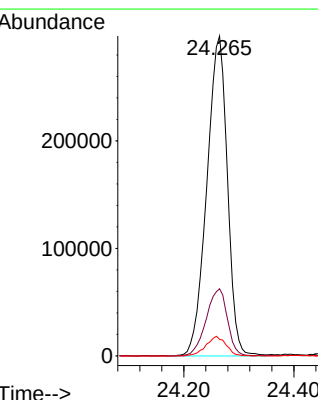
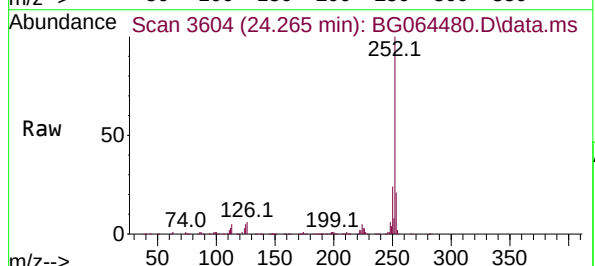
Tgt Ion:252 Resp: 771257

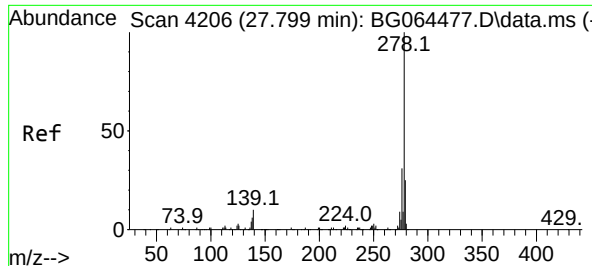
Ion Ratio Lower Upper

252 100

253 21.0 17.1 25.7

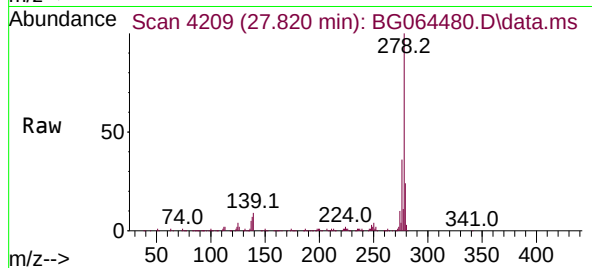
125 5.2 4.6 6.8





#91
Dibenzo(a,h)anthracene
Concen: 80.178 ng
RT: 27.820 min Scan# 41
Delta R.T. 0.040 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

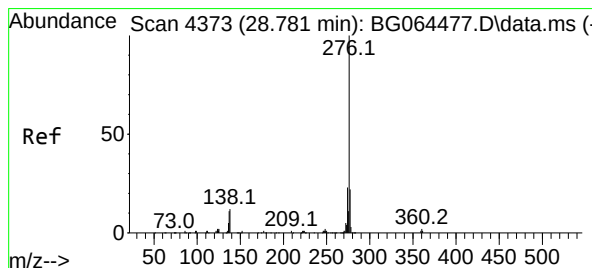
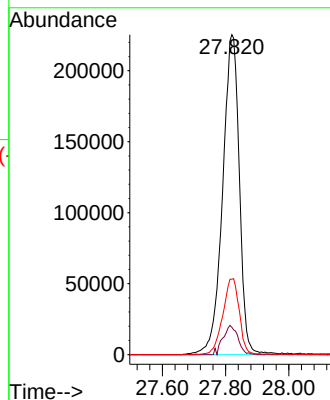
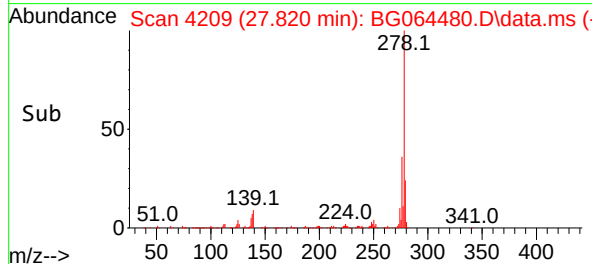
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:278 Resp: 829660
Ion Ratio Lower Upper
278 100
139 8.5 8.2 12.2
279 23.6 19.6 29.4

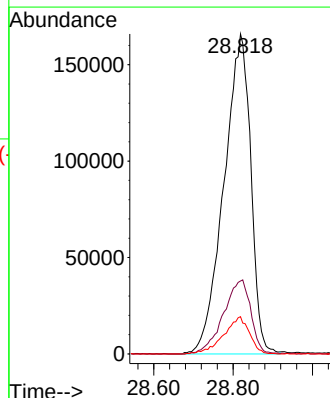
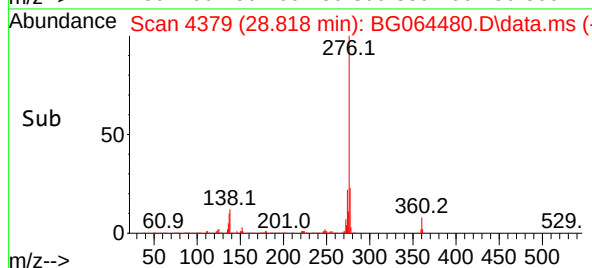
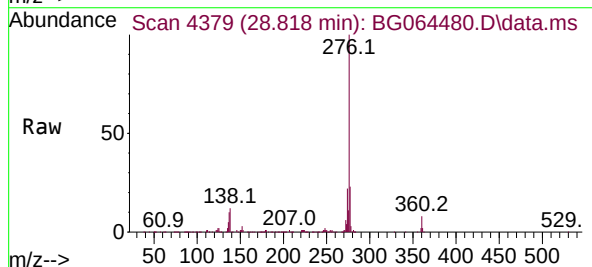
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 77.460 ng
RT: 28.818 min Scan# 4379
Delta R.T. 0.052 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:276 Resp: 778918
Ion Ratio Lower Upper
276 100
277 22.8 17.8 26.6
138 11.6 9.4 14.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064481.D
 Acq On : 2 Oct 2025 15:49
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Oct 02 17:12:17 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.820	152	18970	20.000	ng	# 0.00
21) Naphthalene-d8	10.605	136	83408	20.000	ng	# 0.00
39) Acenaphthene-d10	14.448	164	63487	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	165339	20.000	ng	# 0.00
76) Chrysene-d12	21.410	240	164846	20.000	ng	0.00
86) Perylene-d12	24.389	264	177771	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.406	112	19317	18.845	ng	0.00
7) Phenol-d6	6.986	99	26053	18.914	ng	0.00
23) Nitrobenzene-d5	8.966	82	29358	18.926	ng	0.00
42) 2,4,6-Tribromophenol	15.934	330	22352	19.423	ng	0.00
45) 2-Fluorobiphenyl	13.067	172	84929	19.718	ng	0.00
79) Terphenyl-d14	19.806	244	174977	20.088	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.320	88	3907	9.636	ng	90
3) Pyridine	3.714	79	10914	10.016	ng	92
4) n-Nitrosodimethylamine	3.625	42	8097	10.250	ng	99
6) Aniline	7.145	93	16489	9.490	ng	96
8) 2-Chlorophenol	7.386	128	11988	9.524	ng	92
9) Benzaldehyde	6.963	77	13633	11.149	ng	86
10) Phenol	7.016	94	13252	9.120	ng	94
11) bis(2-Chloroethyl)ether	7.245	93	9040	9.186	ng	89
12) 1,3-Dichlorobenzene	7.709	146	13843	10.054	ng	91
13) 1,4-Dichlorobenzene	7.856	146	13607	9.847	ng	97
14) 1,2-Dichlorobenzene	8.173	146	13175	9.674	ng	93
15) Benzyl Alcohol	8.055	79	11608	9.151	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.338	45	15268	9.625	ng	95
17) 2-Methylphenol	8.261	107	10084	9.584	ng	92
18) Hexachloroethane	8.896	117	5976	10.956	ng	87
19) n-Nitroso-di-n-propyla...	8.614	70	8658	9.398	ng	# 92
20) 3+4-Methylphenols	8.590	107	13961	9.508	ng	96
22) Acetophenone	8.631	105	18753	9.286	ng	# 91
24) Nitrobenzene	9.013	77	14519	9.386	ng	# 92
25) Isophorone	9.530	82	27293	9.712	ng	# 95
26) 2-Nitrophenol	9.718	139	7029	9.130	ng	90
27) 2,4-Dimethylphenol	9.783	122	10726	9.122	ng	91
28) bis(2-Chloroethoxy)met...	10.018	93	13354	9.323	ng	93
29) 2,4-Dichlorophenol	10.259	162	12712	9.349	ng	95
30) 1,2,4-Trichlorobenzene	10.470	180	13887	9.366	ng	# 89
31) Naphthalene	10.652	128	40855	9.512	ng	97
32) Benzoic acid	9.889	122	6224m	6.894	ng	
33) 4-Chloroaniline	10.764	127	16589	10.065	ng	# 91
34) Hexachlorobutadiene	10.946	225	12067	9.503	ng	97
35) Caprolactam	11.510	113	4491	9.648	ng	# 85
36) 4-Chloro-3-methylphenol	11.892	107	15870	9.597	ng	93
37) 2-Methylnaphthalene	12.268	142	32141	9.749	ng	93
38) 1-Methylnaphthalene	12.486	142	32614	9.921	ng	98
40) 1,2,4,5-Tetrachloroben...	12.638	216	19175	9.354	ng	95
41) Hexachlorocyclopentadiene	12.621	237	8845	8.249	ng	96
43) 2,4,6-Trichlorophenol	12.879	196	12393	9.457	ng	95

10/03/2025

Supervised By :Jagrut
 padhyay

10/03/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064481.D
 Acq On : 2 Oct 2025 15:49
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Oct 02 17:12:17 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	12.956	196	14346	9.806	ng	#	94
46) 1,1'-Biphenyl	13.279	154	44053	9.648	ng		95
47) 2-Chloronaphthalene	13.320	162	35050	10.281	ng		97
48) 2-Nitroaniline	13.526	65	11482	9.868	ng		93
49) Acenaphthylene	14.172	152	48705	9.624	ng	#	93
50) Dimethylphthalate	13.902	163	50268	10.110	ng		97
51) 2,6-Dinitrotoluene	14.019	165	10337	9.980	ng		98
52) Acenaphthene	14.513	154	34887	9.922	ng		96
53) 3-Nitroaniline	14.348	138	9342	9.780	ng		94
54) 2,4-Dinitrophenol	14.566	184	8424	11.216	ng	#	71
55) Dibenzofuran	14.848	168	57456	9.897	ng		98
56) 4-Nitrophenol	14.665	139	6104	8.116	ng		89
57) 2,4-Dinitrotoluene	14.812	165	15843	10.006	ng		97
58) Fluorene	15.494	166	47958	9.937	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.071	232	14205	9.514	ng		97
60) Diethylphthalate	15.271	149	53695	10.066	ng	#	94
61) 4-Chlorophenyl-phenyle...	15.488	204	25669	9.742	ng		94
62) 4-Nitroaniline	15.511	138	9390	9.431	ng	#	85
63) Azobenzene	15.782	77	41235	9.982	ng		96
65) 4,6-Dinitro-2-methylph...	15.576	198	10315	8.960	ng		79
66) n-Nitrosodiphenylamine	15.705	169	42881	9.712	ng		95
67) 4-Bromophenyl-phenylether	16.381	248	18933	9.731	ng		92
68) Hexachlorobenzene	16.499	284	21542	9.676	ng		99
69) Atrazine	16.651	200	19877	10.119	ng		92
70) Pentachlorophenol	16.845	266	9789	7.520	ng	#	84
71) Phenanthrene	17.227	178	84477	9.770	ng		96
72) Anthracene	17.321	178	84981	9.797	ng		100
73) Carbazole	17.591	167	73994	9.869	ng		97
74) Di-n-butylphthalate	18.155	149	89166	9.742	ng		97
75) Fluoranthene	19.236	202	101360	9.813	ng		98
77) Benzidine	19.425	184	32380	7.894	ng		98
78) Pyrene	19.601	202	109573	10.242	ng		97
80) Butylbenzylphthalate	20.500	149	36112	9.522	ng		95
81) Benzo(a)anthracene	21.393	228	102096	9.700	ng		98
82) 3,3'-Dichlorobenzidine	21.316	252	34449	9.670	ng		99
83) Chrysene	21.452	228	98898	9.908	ng		96
84) Bis(2-ethylhexyl)phtha...	21.316	149	52514	9.814	ng		94
85) Di-n-octyl phthalate	22.439	149	86988	9.673	ng		99
87) Indeno(1,2,3-cd)pyrene	27.732	276	117303	9.480	ng	#	75
88) Benzo(b)fluoranthene	23.449	252	96327	9.525	ng		97
89) Benzo(k)fluoranthene	23.508	252	96178	9.442	ng		98
90) Benzo(a)pyrene	24.248	252	88822	9.529	ng	#	93
91) Dibenzo(a,h)anthracene	27.779	278	93585	9.457	ng		97
92) Benzo(g,h,i)perylene	28.767	276	93612	9.735	ng	#	92

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

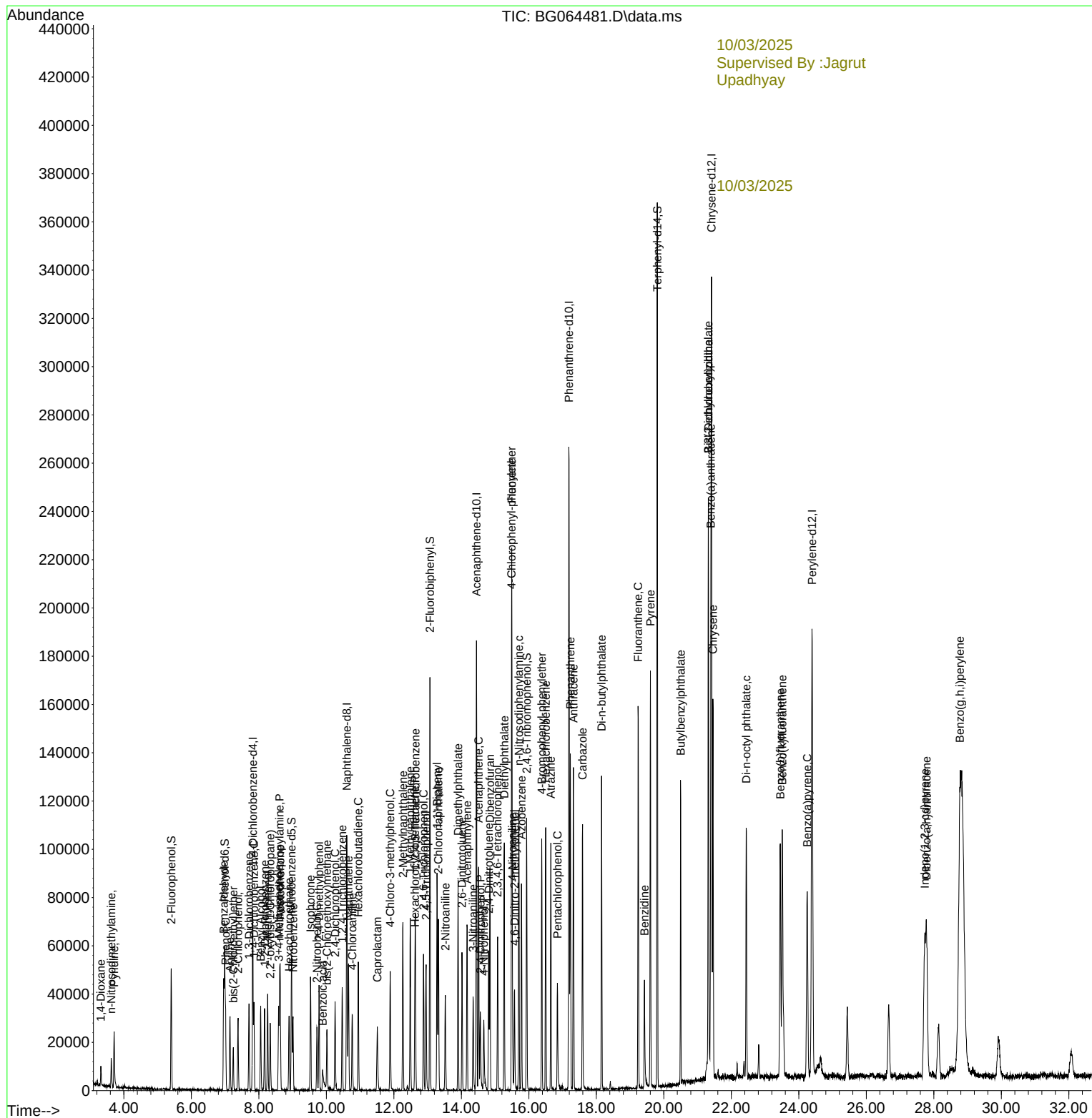
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Data File : BG064481.D
Acq On : 2 Oct 2025 15:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 10 Sample Multiplier: 1

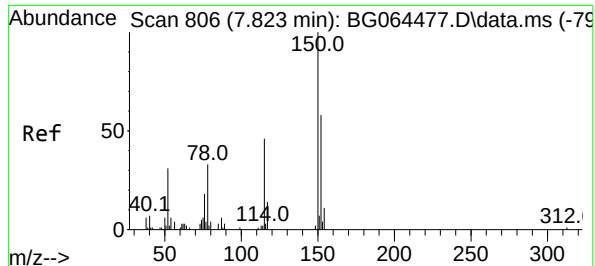
Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

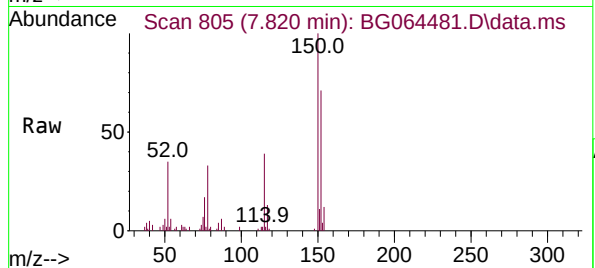
Quant Time: Oct 02 17:12:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.820 min Scan# 806
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

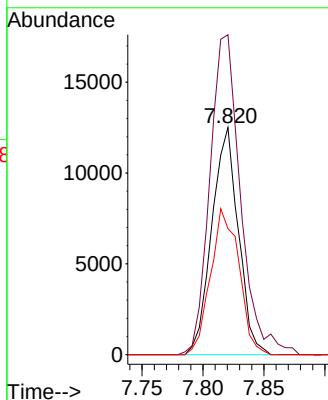
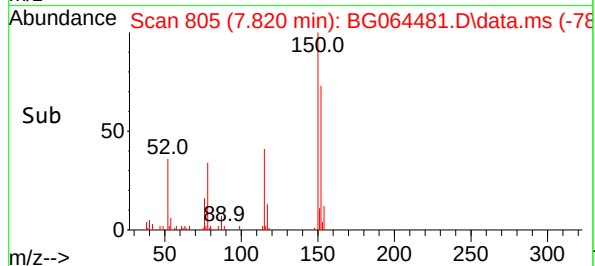
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 18970
Ion Ratio Lower Upper
152 100
150 140.9 138.6 207.8
115 55.5 63.4 95.2

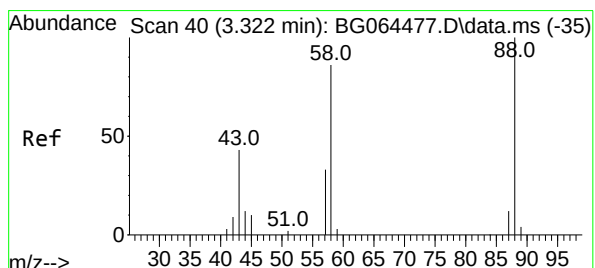
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



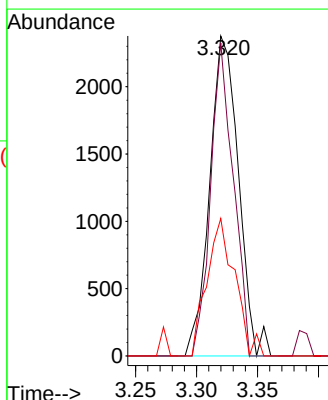
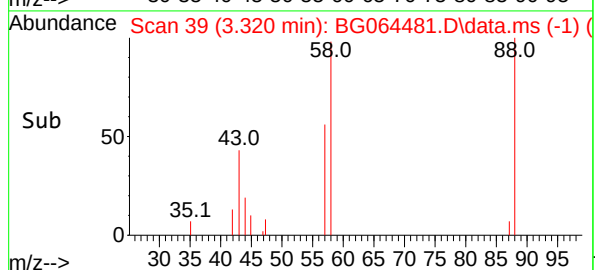
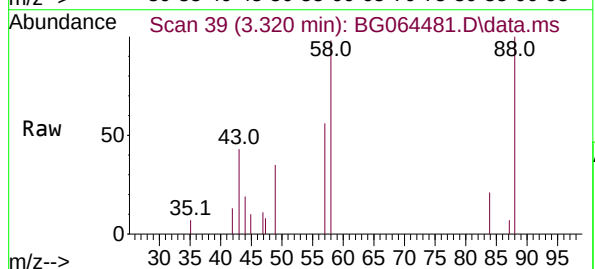
10/03/2025
Supervised By :Jagrut
Upadhyay

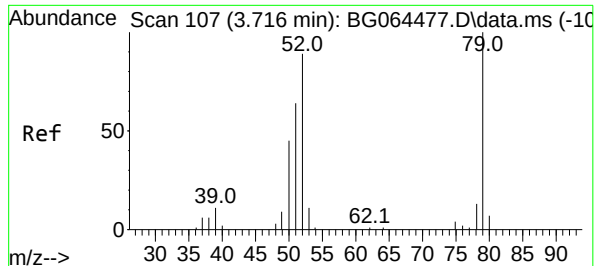
10/03/2025



#2
1,4-Dioxane
Concen: 9.636 ng
RT: 3.320 min Scan# 39
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

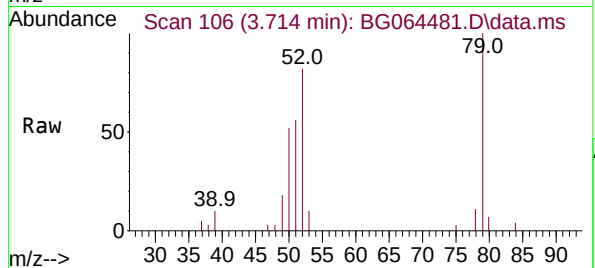
Tgt Ion: 88 Resp: 3907
Ion Ratio Lower Upper
88 100
58 77.0 69.8 104.6
43 41.6 37.4 56.0





#3
Pyridine
Concen: 10.016 ng
RT: 3.714 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

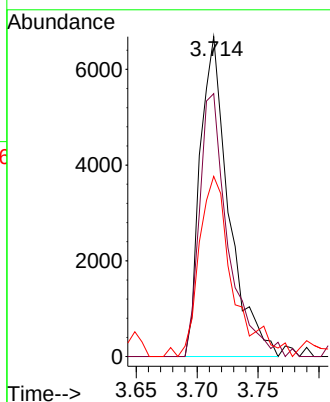
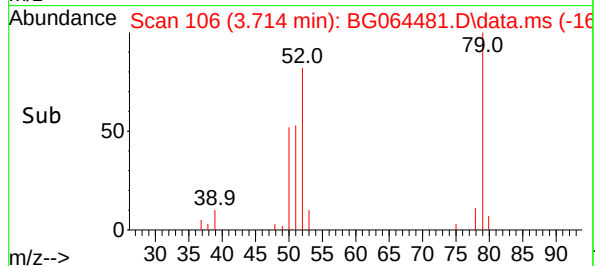
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion: 79 Resp: 10914
Ion Ratio Lower Upper
79 100
52 82.2 71.0 106.4
51 56.3 51.0 76.6

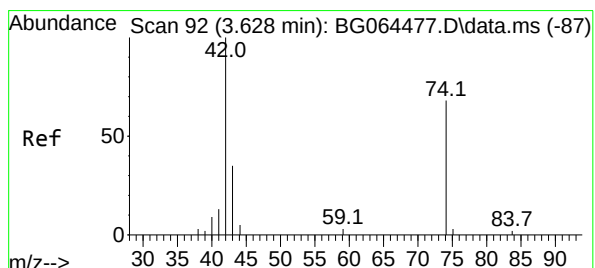
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



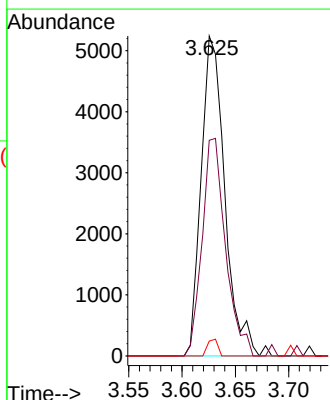
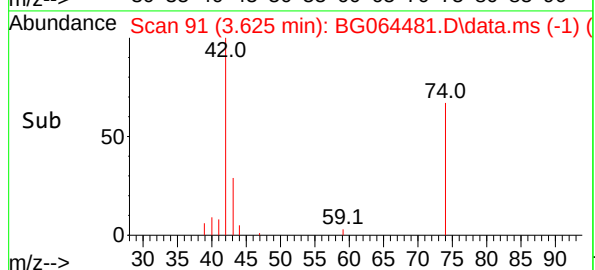
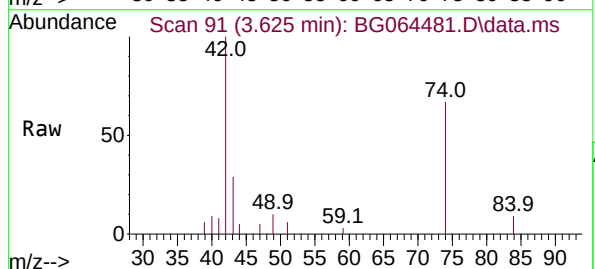
10/03/2025
Supervised By :Jagrut
Upadhyay

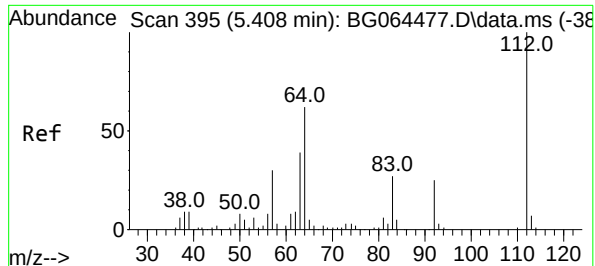
10/03/2025



#4
n-Nitrosodimethylamine
Concen: 10.250 ng
RT: 3.625 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

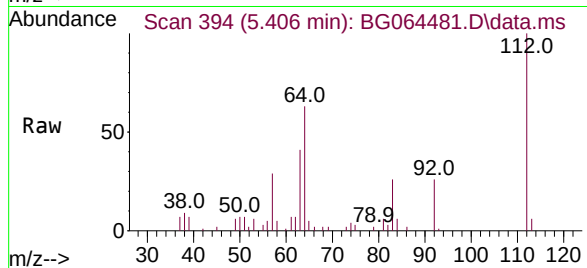
Tgt Ion: 42 Resp: 8097
Ion Ratio Lower Upper
42 100
74 67.4 54.2 81.4
44 4.7 4.2 6.2





#5
2-Fluorophenol
Concen: 18.845 ng
RT: 5.406 min Scan# 395
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

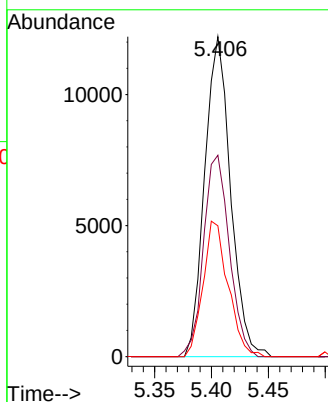
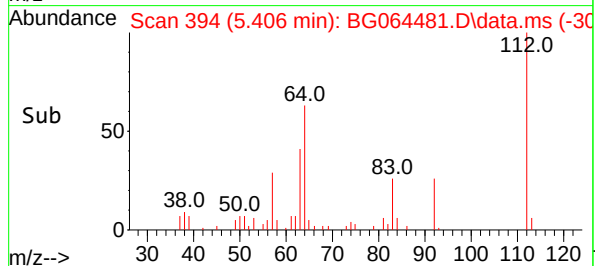
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:112 Resp: 19317
Ion Ratio Lower Upper
112 100
64 62.9 49.8 74.8
63 40.9 31.3 46.9

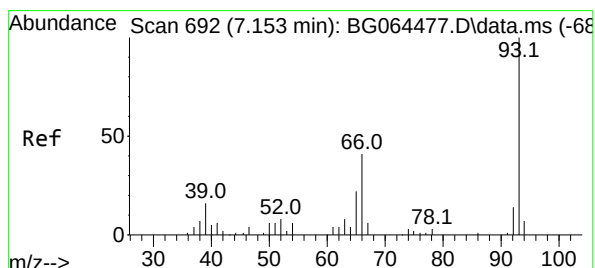
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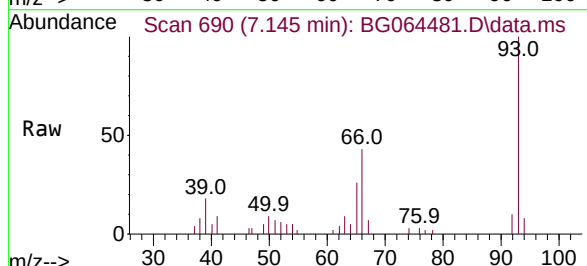


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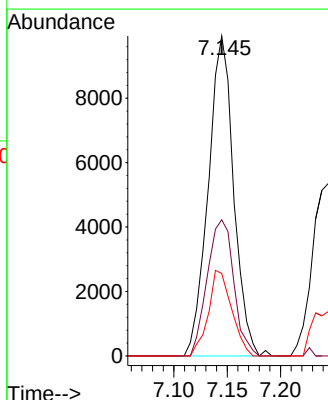
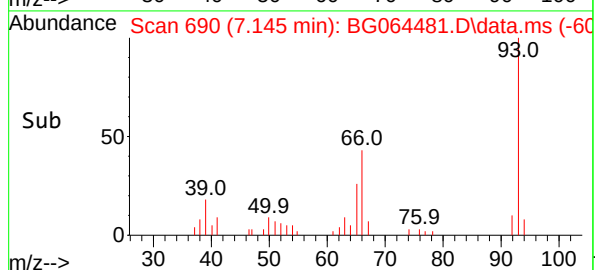
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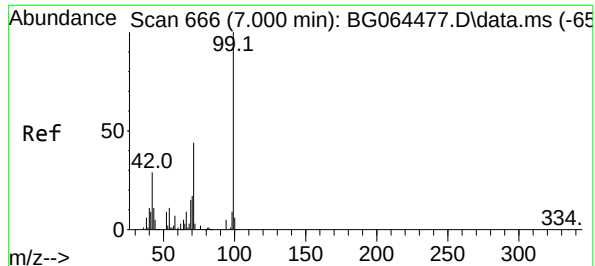


#6
Aniline
Concen: 9.490 ng
RT: 7.145 min Scan# 690
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



Tgt Ion: 93 Resp: 16489
Ion Ratio Lower Upper
93 100
66 42.5 33.0 49.4
65 25.8 17.5 26.3





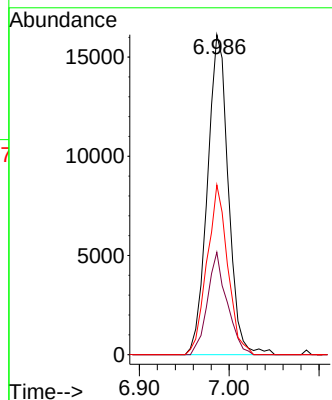
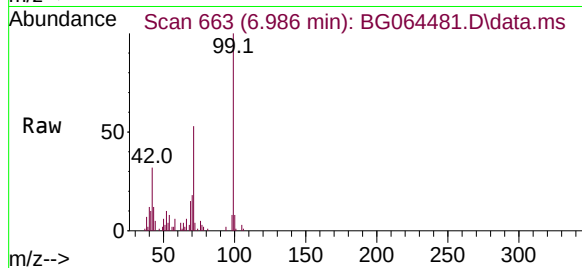
#7
Phenol-d6
Concen: 18.914 ng
RT: 6.986 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
99	100		
42	32.0	22.9	34.3
71	53.0	35.4	53.2

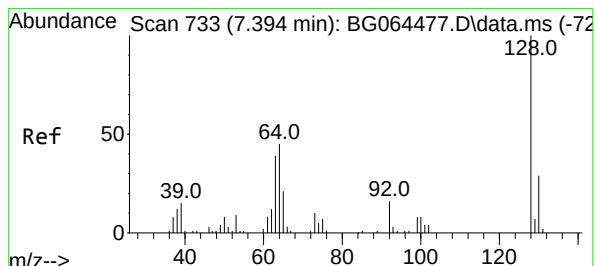
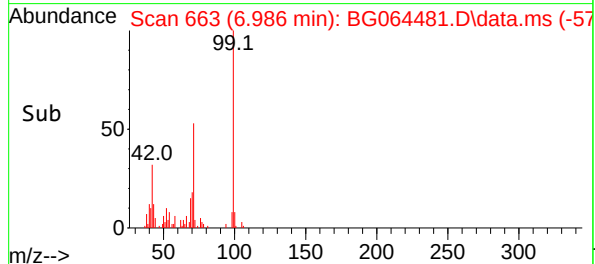
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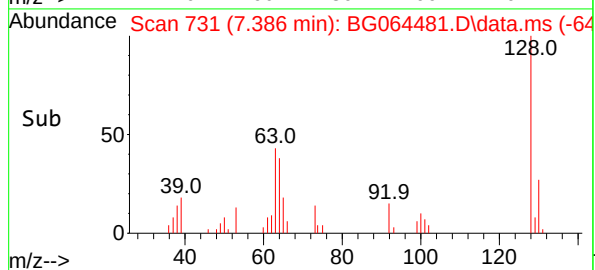
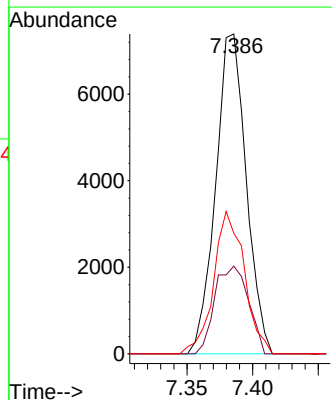
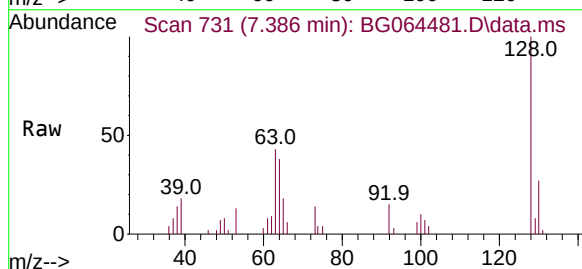
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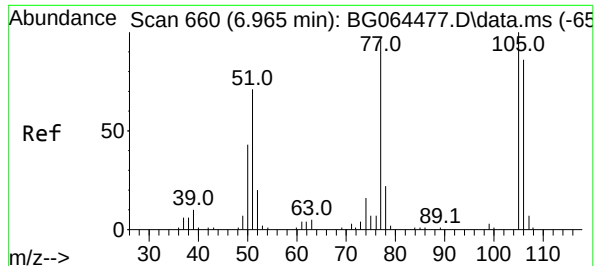
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#8
2-Chlorophenol
Concen: 9.524 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

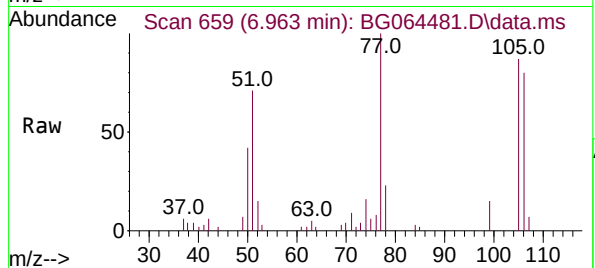
Tgt Ion	Ratio	Lower	Upper
128	100		
130	27.4	9.2	49.2
64	37.7	25.5	65.5





#9
Benzaldehyde
Concen: 11.149 ng
RT: 6.963 min Scan# 660
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

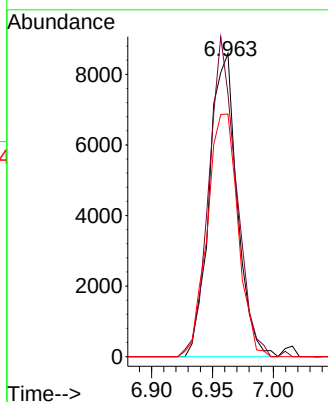
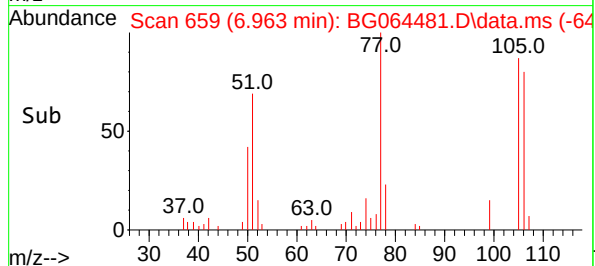
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion: 77 Resp: 13633
Ion Ratio Lower Upper
77 100
105 86.7 83.7 123.7
106 80.0 69.4 109.4

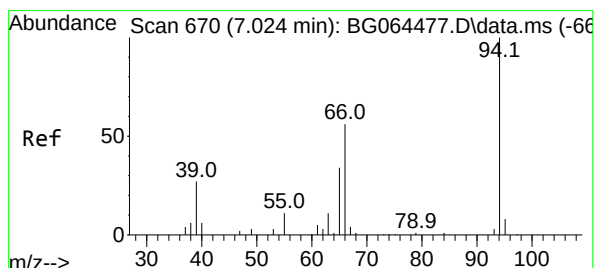
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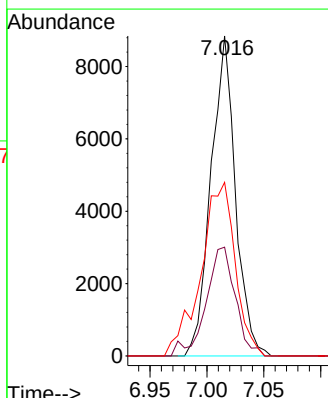
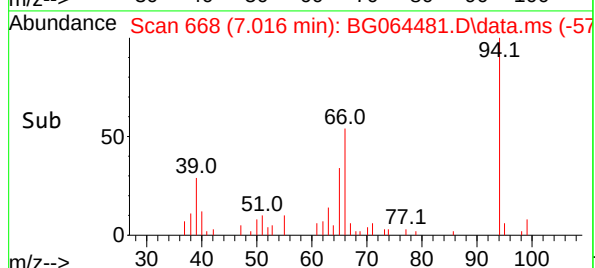
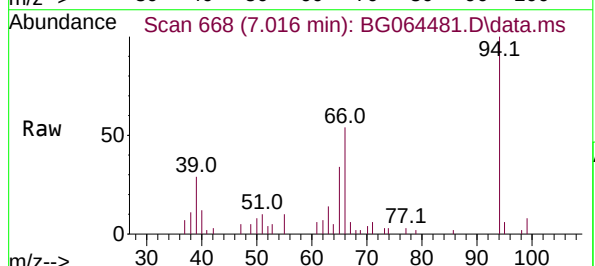
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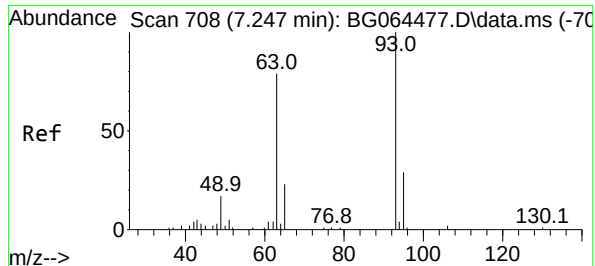
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#10
Phenol
Concen: 9.120 ng
RT: 7.016 min Scan# 668
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

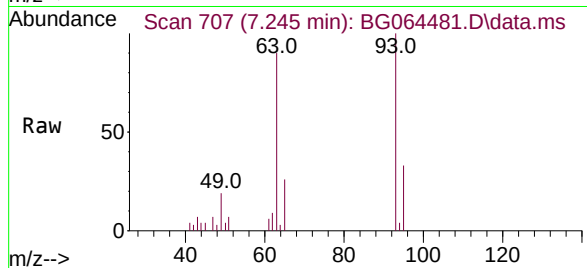
Tgt Ion: 94 Resp: 13252
Ion Ratio Lower Upper
94 100
65 34.0 14.8 54.8
66 54.2 41.4 81.4





#11
bis(2-Chloroethyl)ether
Concen: 9.186 ng
RT: 7.245 min Scan# 708
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

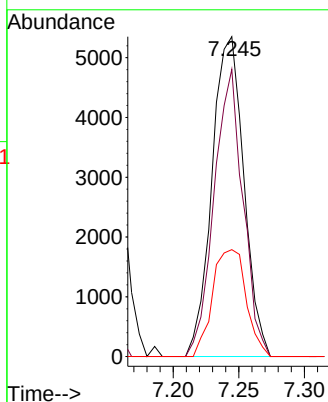
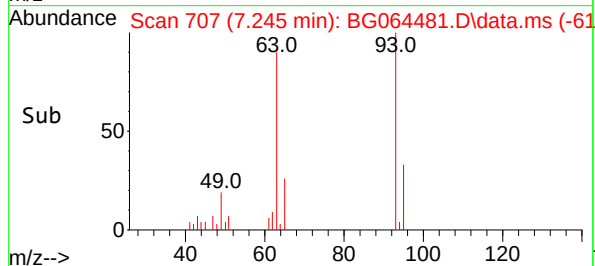
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion: 93 Resp: 9040
Ion Ratio Lower Upper
93 100
63 89.8 59.5 99.5
95 33.4 8.8 48.8

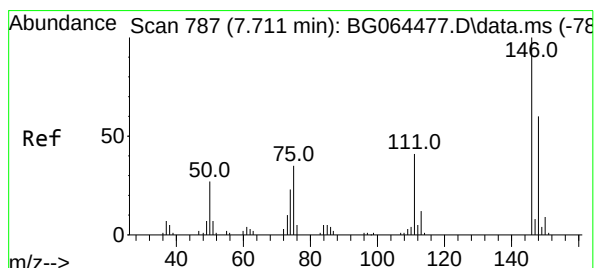
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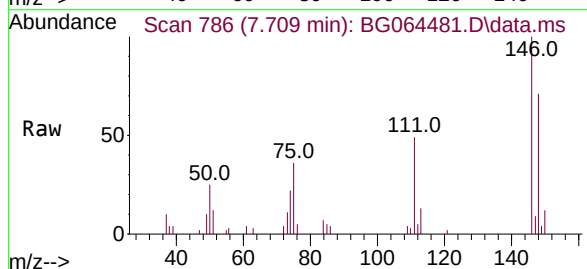


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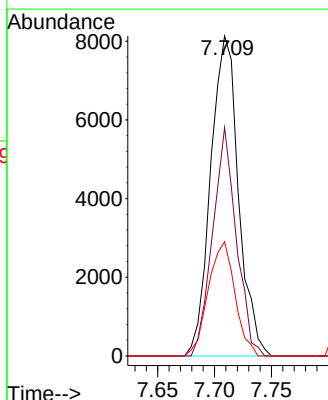
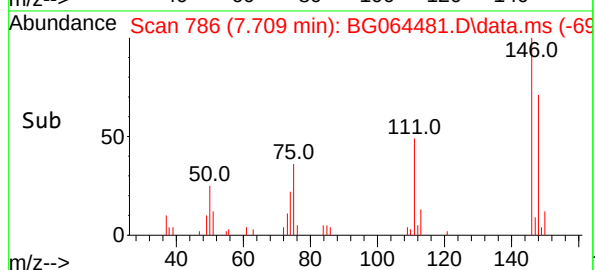
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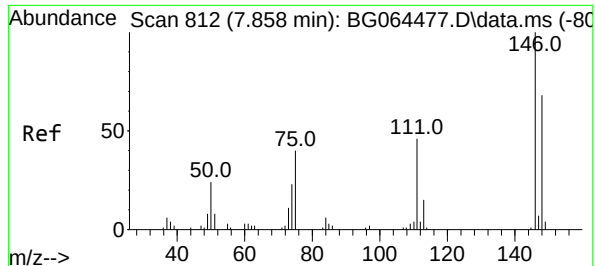


#12
1,3-Dichlorobenzene
Concen: 10.054 ng
RT: 7.709 min Scan# 786
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



Tgt Ion:146 Resp: 13843
Ion Ratio Lower Upper
146 100
148 71.4 48.4 72.6
75 35.7 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 9.847 ng

RT: 7.856 min Scan# 811

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

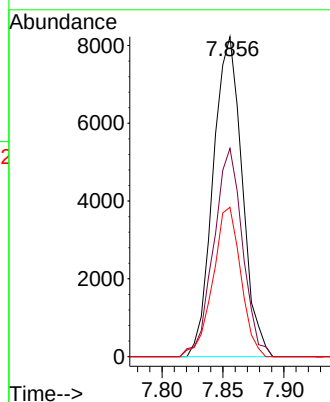
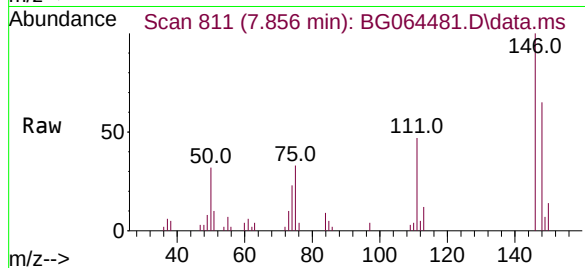
Instrument :

BNA_G

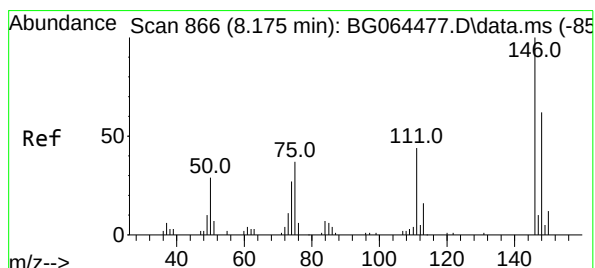
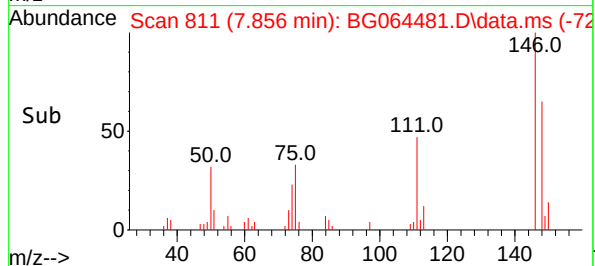
ClientSampleId :

SSTDICC010

Tgt Ion:	146	Resp:	1360
Ion	Ratio	Lower	Upper
146	100		
148	65.1	54.4	81.6
111	46.7	36.5	54.7

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#14

1,2-Dichlorobenzene

Concen: 9.674 ng

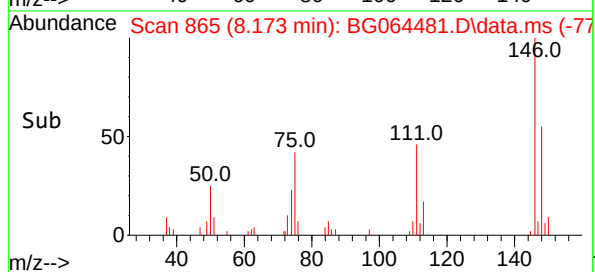
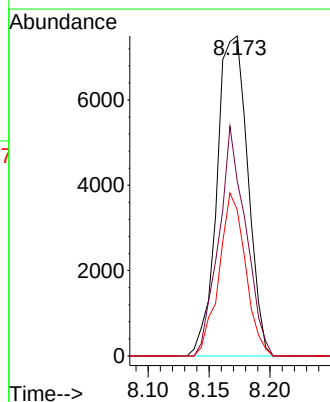
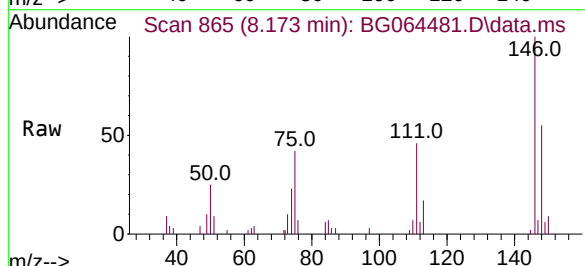
RT: 8.173 min Scan# 865

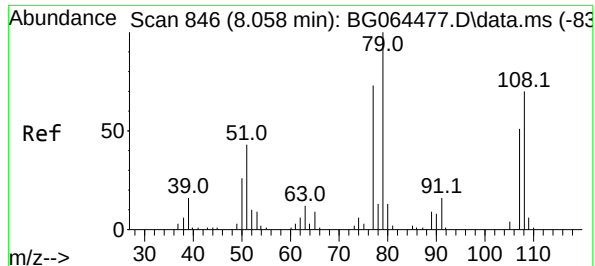
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

Tgt Ion:	146	Resp:	13175
Ion	Ratio	Lower	Upper
146	100		
148	54.7	50.0	75.0
111	45.7	35.0	52.4





#15

Benzyl Alcohol

Concen: 9.151 ng

RT: 8.055 min Scan# 84

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 11608

Ion Ratio Lower Upper

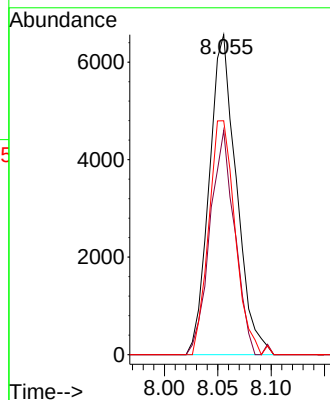
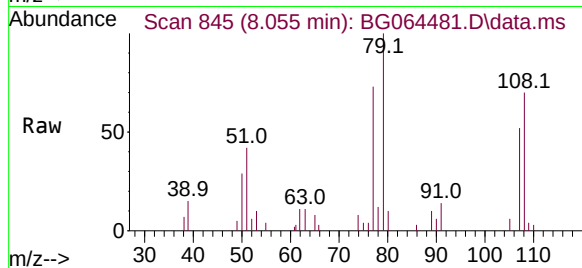
79 100

108 70.0 56.4 84.6

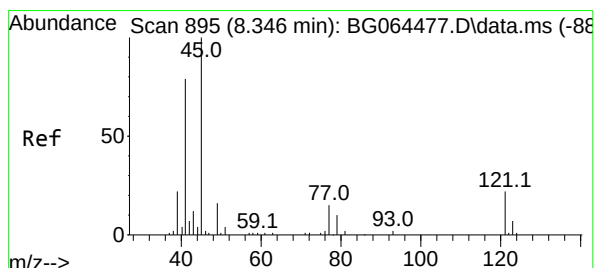
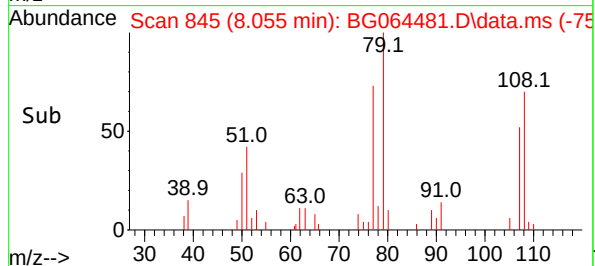
77 73.1 58.3 87.5

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.625 ng

RT: 8.338 min Scan# 893

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

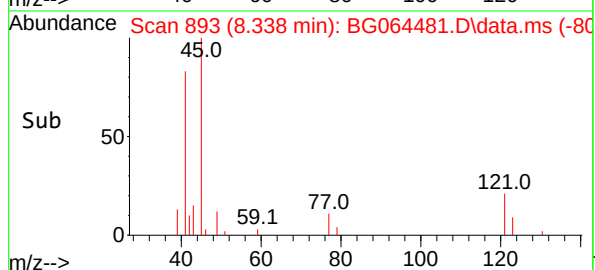
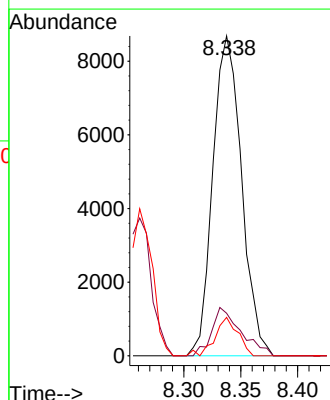
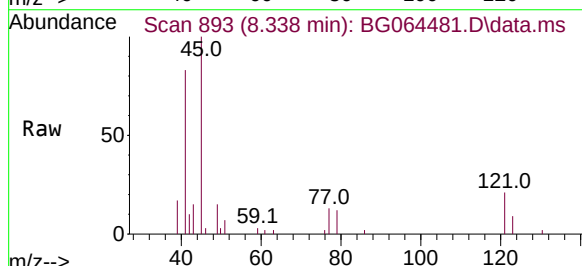
Tgt Ion: 45 Resp: 15268

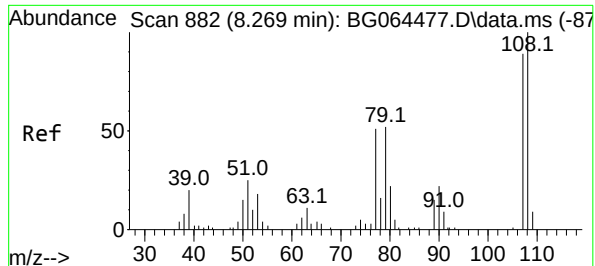
Ion Ratio Lower Upper

45 100

77 13.3 0.0 35.6

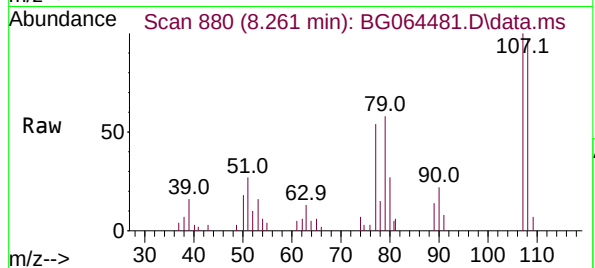
79 12.0 0.0 30.7





#17
2-Methylphenol
Concen: 9.584 ng
RT: 8.261 min Scan# 882
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

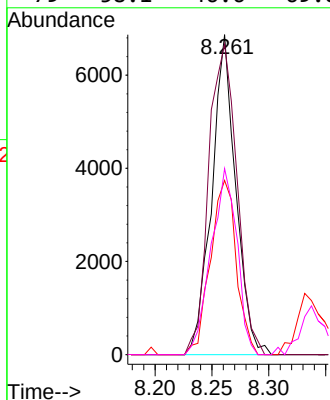
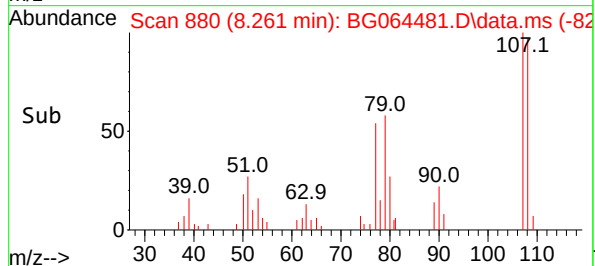
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:107 Resp: 10084
Ion Ratio Lower Upper
107 100
108 97.0 90.3 135.5
77 54.4 46.0 69.0
79 58.1 46.6 69.8

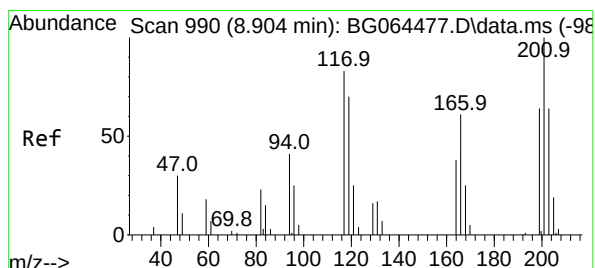
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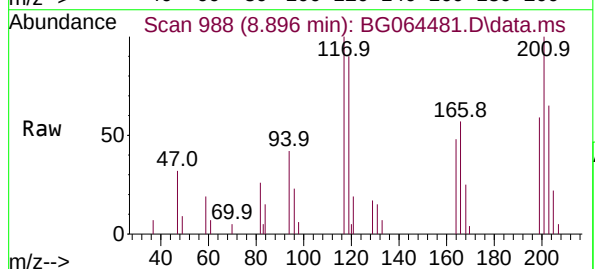


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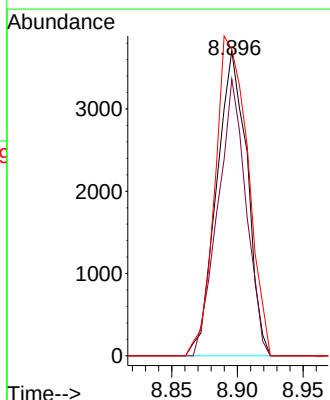
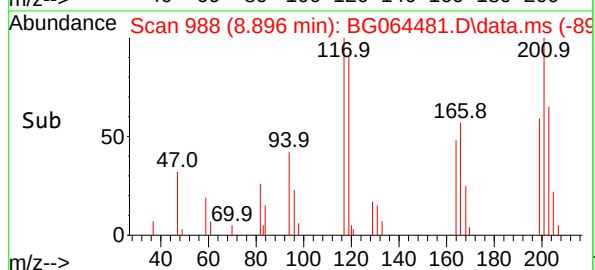
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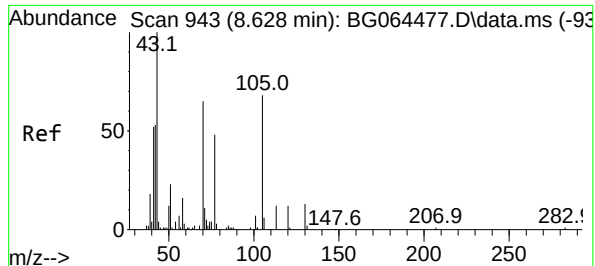


#18
Hexachloroethane
Concen: 10.956 ng
RT: 8.896 min Scan# 988
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



Tgt Ion:117 Resp: 5976
Ion Ratio Lower Upper
117 100
119 90.7 67.4 101.0
201 100.5 95.9 143.9





#19

n-Nitroso-di-n-propylamine

Concen: 9.398 ng

RT: 8.614 min Scan# 94

Delta R.T. 0.000 min

Lab File: BG064481.D

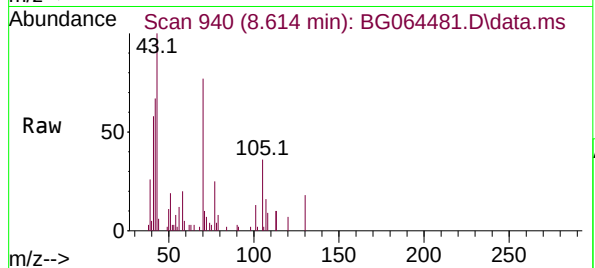
Acq: 2 Oct 2025 15:49

Instrument :

BNA_G

ClientSampleId :

SSTDICC010



Tgt Ion: 70 Resp: 8658

Ion Ratio Lower Upper

70 100

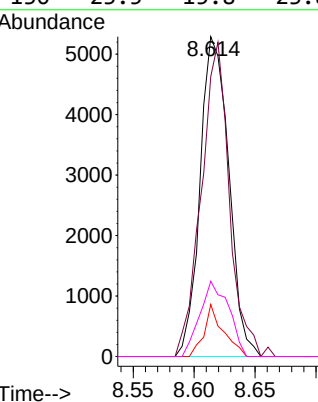
42 87.5 64.9 97.3

101 16.3 8.7 13.1

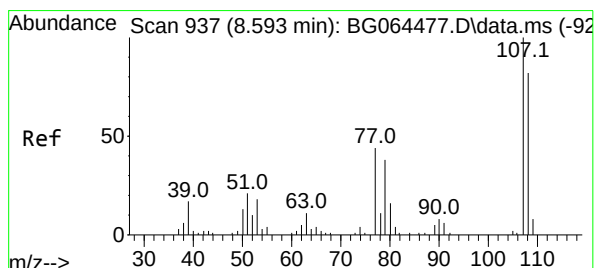
130 23.5 15.8 23.8

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#20

3+4-Methylphenols

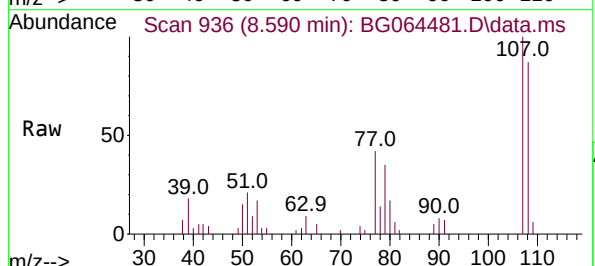
Concen: 9.508 ng

RT: 8.590 min Scan# 936

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49



Tgt Ion:107 Resp: 13961

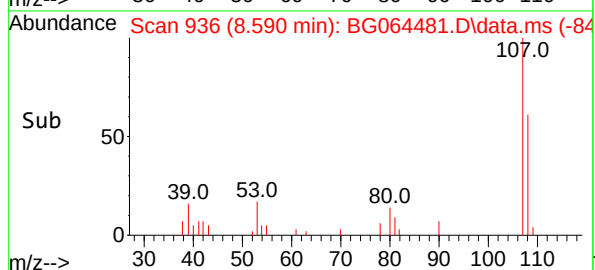
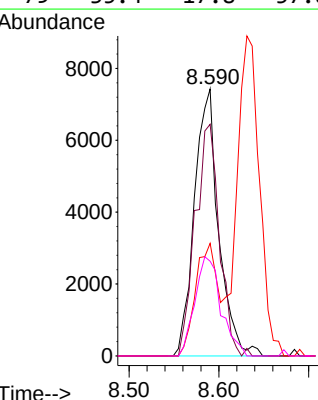
Ion Ratio Lower Upper

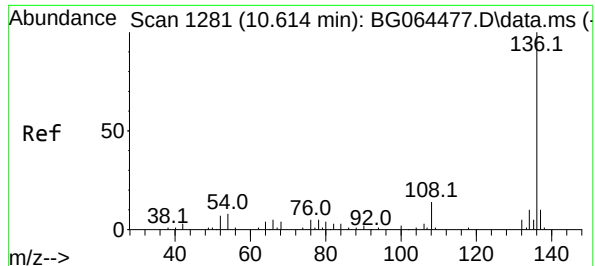
107 100

108 86.8 62.1 102.1

77 42.2 23.5 63.5

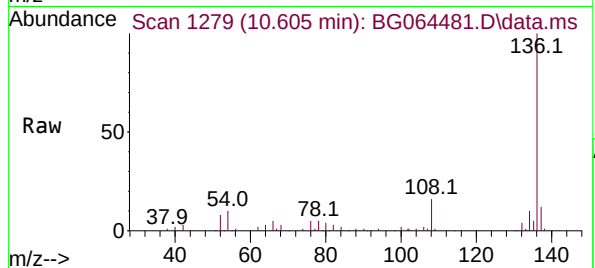
79 35.4 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

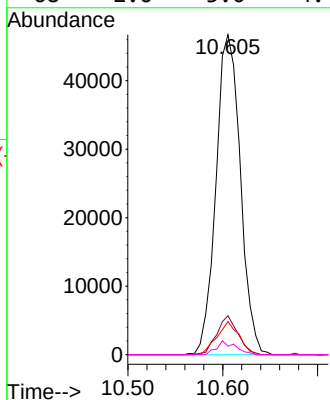
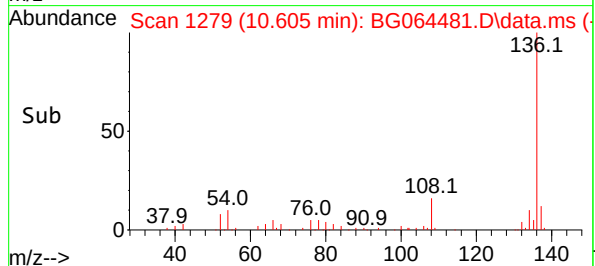
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:136 Resp: 83408
Ion Ratio Lower Upper
136 100
137 12.2 8.3 12.5
54 10.3 6.2 9.4
68 2.6 3.0 4.4

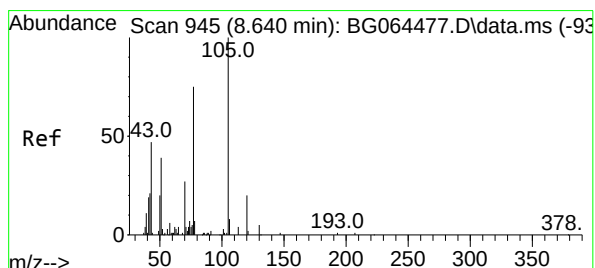
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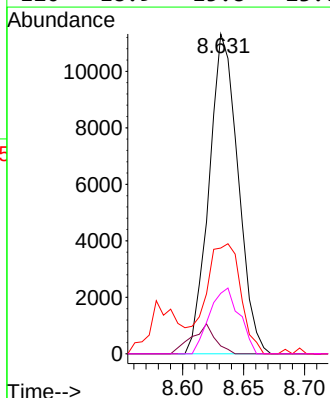
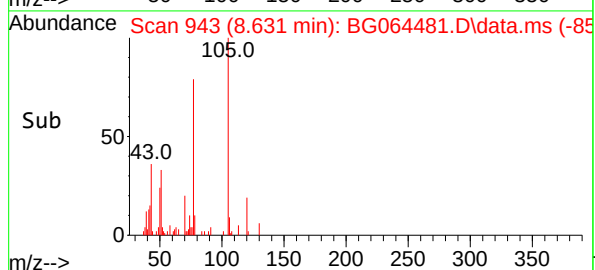
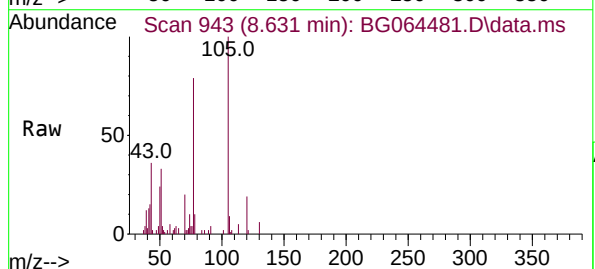
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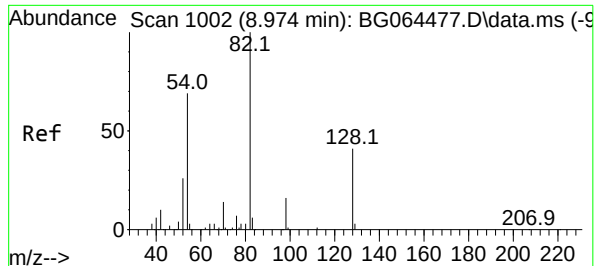
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#22
Acetophenone
Concen: 9.286 ng
RT: 8.631 min Scan# 943
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:105 Resp: 18753
Ion Ratio Lower Upper
105 100
71 2.5 2.8 4.2
51 33.1 33.0 49.4
120 18.9 15.8 23.6





#23

Nitrobenzene-d5

Concen: 18.926 ng

RT: 8.966 min Scan# 1002

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 29358

Ion Ratio Lower Upper

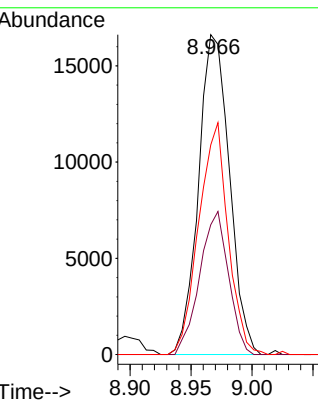
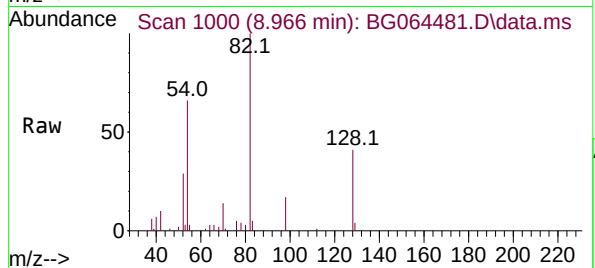
82 100

128 40.6 33.1 49.7

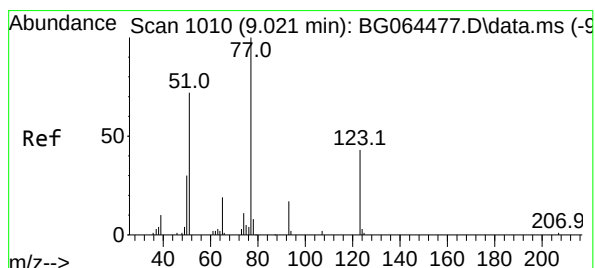
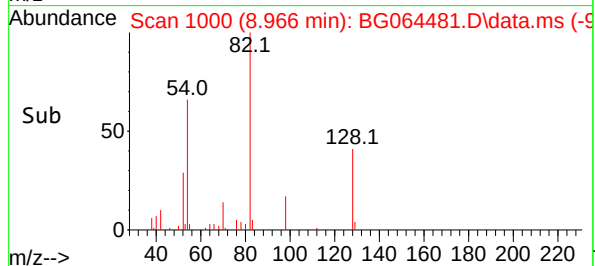
54 65.5 55.4 83.2

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#24

Nitrobenzene

Concen: 9.386 ng

RT: 9.013 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

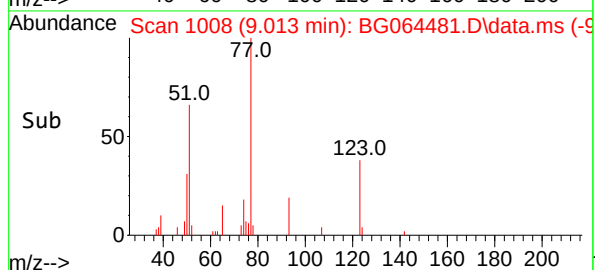
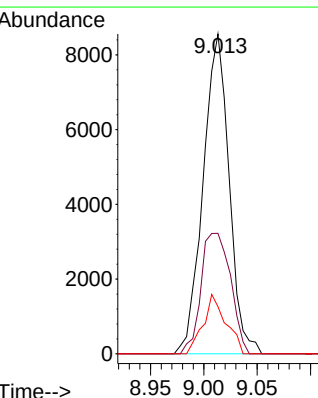
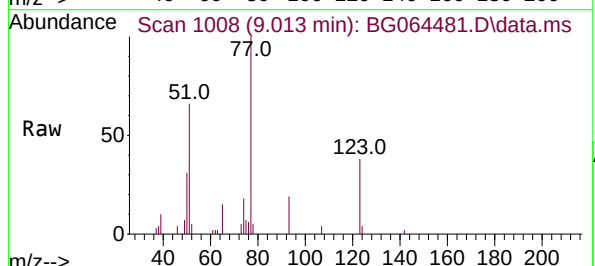
Tgt Ion: 77 Resp: 14519

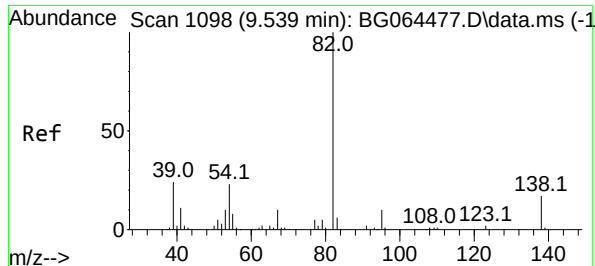
Ion Ratio Lower Upper

77 100

123 37.7 34.4 51.6

65 14.8 14.8 22.2#





#25

Isophorone

Concen: 9.712 ng

RT: 9.530 min Scan# 1098

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

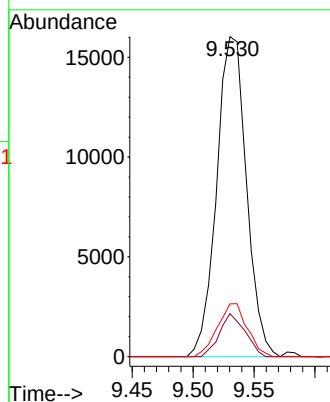
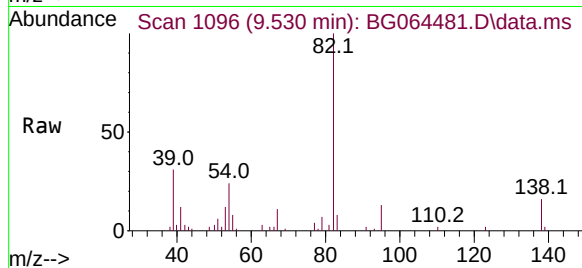
Instrument :

BNA_G

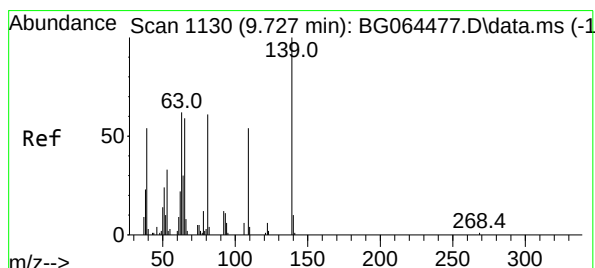
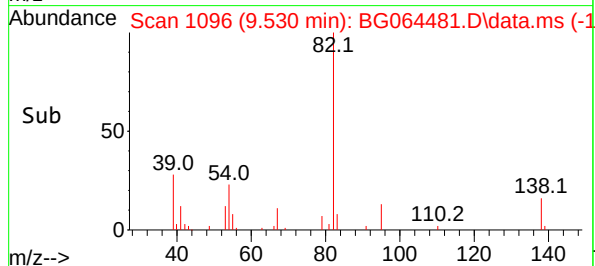
ClientSampleId :

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Tgt Ion: 82	Resp: 2729
Ion Ratio	Lower Upper
82 100	
95 13.4	7.8 11.8
138 16.5	13.8 20.6

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#26

2-Nitrophenol

Concen: 9.130 ng

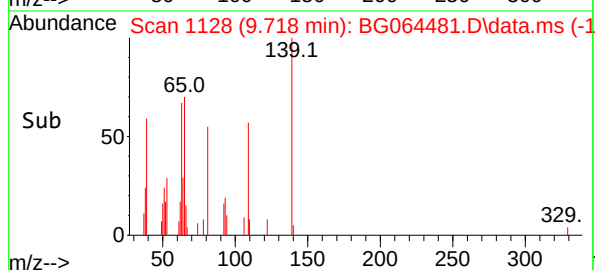
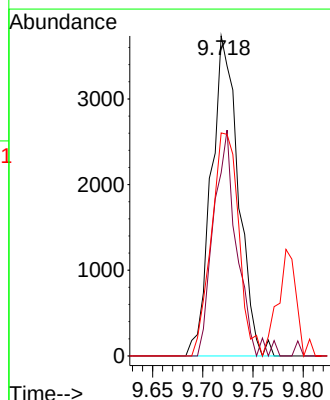
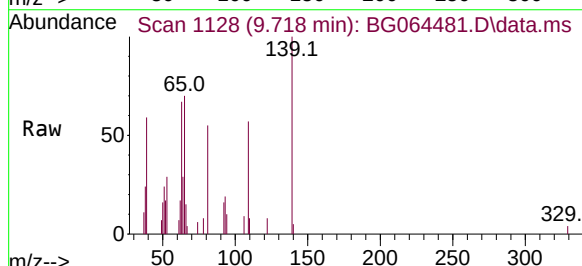
RT: 9.718 min Scan# 1128

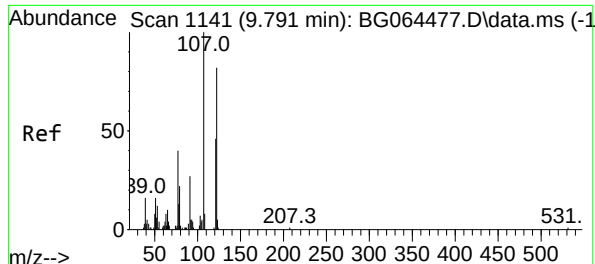
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

Tgt Ion:139	Resp: 7029
Ion Ratio	Lower Upper
139 100	
109 57.2	43.0 64.6
65 69.7	47.4 71.2





#27

2,4-Dimethylphenol

Concen: 9.122 ng

RT: 9.783 min Scan# 1141

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

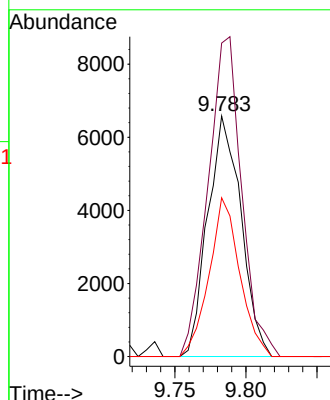
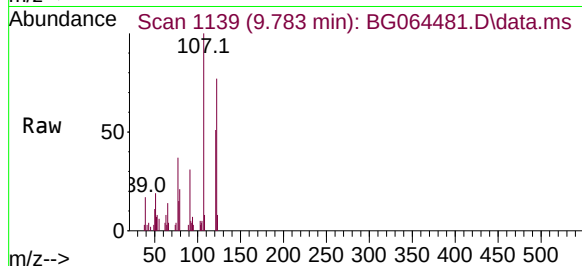
Instrument :

BNA_G

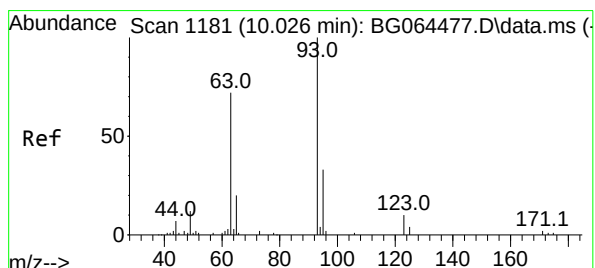
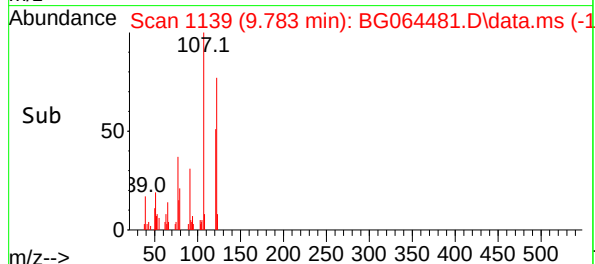
ClientSampleId :

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Tgt Ion:	122	Resp:	10726
Ion Ratio	Lower	Upper	
122	100		
107	130.3	98.3	147.5
121	66.0	44.7	67.1

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#28

bis(2-Chloroethoxy)methane

Concen: 9.323 ng

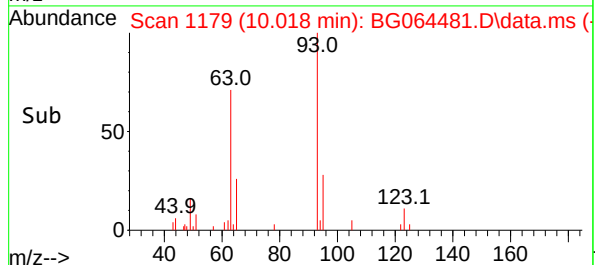
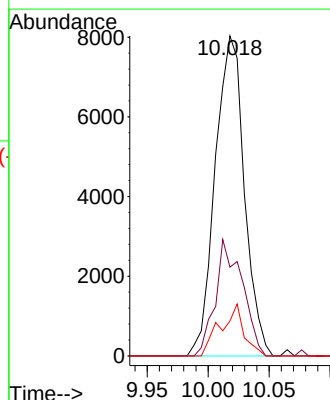
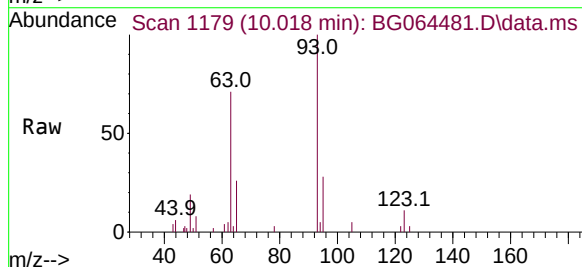
RT: 10.018 min Scan# 1179

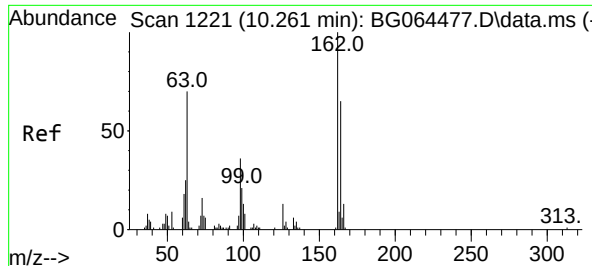
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

Tgt Ion:	93	Resp:	13354
Ion Ratio	Lower	Upper	
93	100		
95	27.7	26.5	39.7
123	10.9	8.9	13.3





#29

2,4-Dichlorophenol

Concen: 9.349 ng

RT: 10.259 min Scan# 1221

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

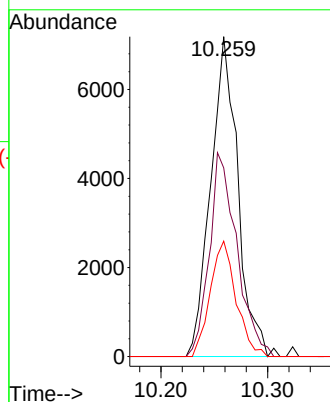
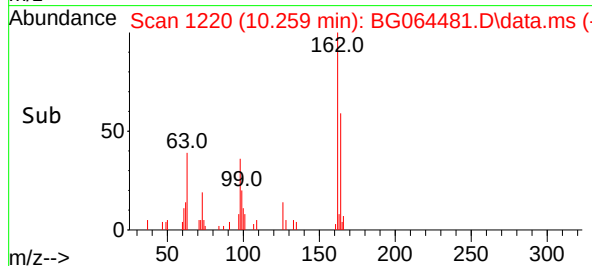
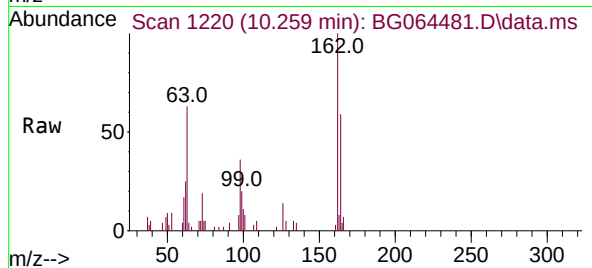
Instrument :

BNA_G

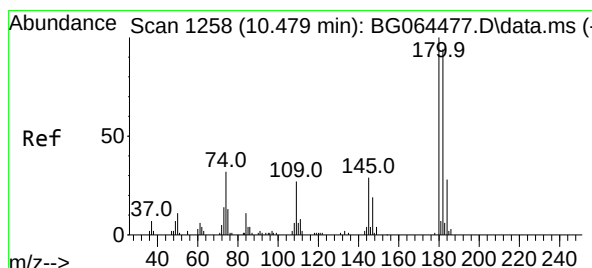
ClientSampleId :

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Tgt Ion:	162	Resp:	1271
Ion	Ratio	Lower	Upper
162	100		
164	59.0	45.4	85.4
98	36.1	16.4	56.4

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#30

1,2,4-Trichlorobenzene

Concen: 9.366 ng

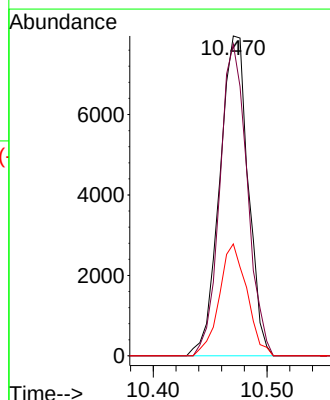
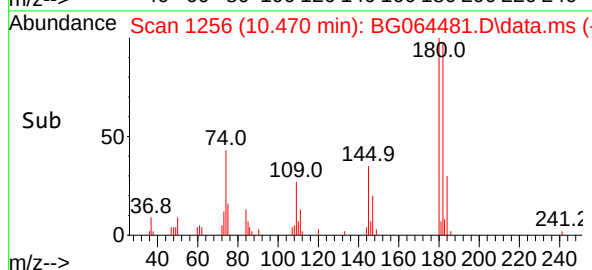
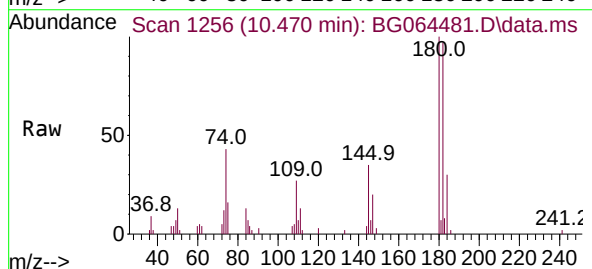
RT: 10.470 min Scan# 1256

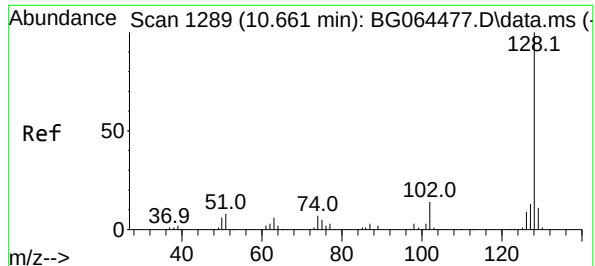
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

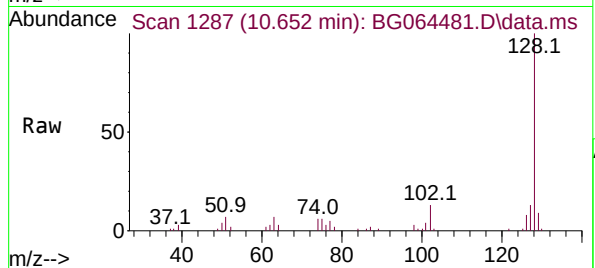
Tgt Ion:	180	Resp:	13887
Ion	Ratio	Lower	Upper
180	100		
182	105.1	75.4	113.2
145	35.0	23.2	34.8





#31
Naphthalene
Concen: 9.512 ng
RT: 10.652 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

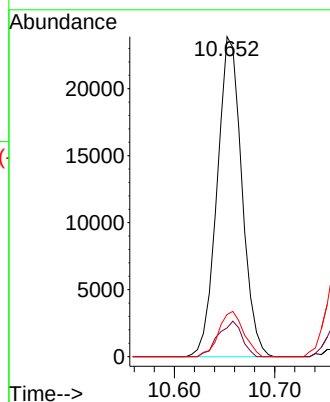
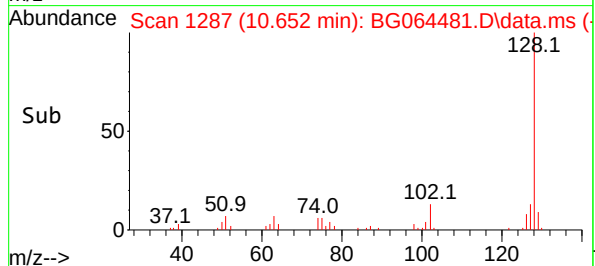
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:128 Resp: 40855
Ion Ratio Lower Upper
128 100
129 9.0 8.7 13.1
127 13.2 10.2 15.2

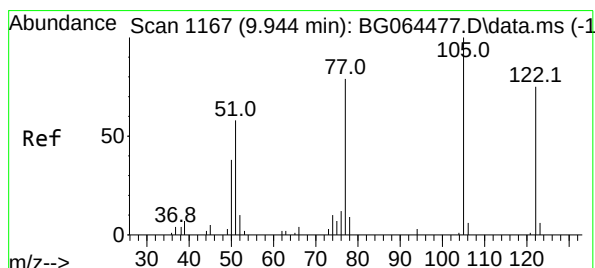
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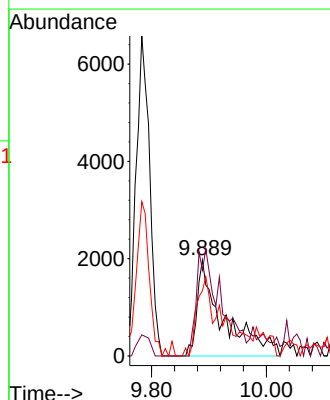
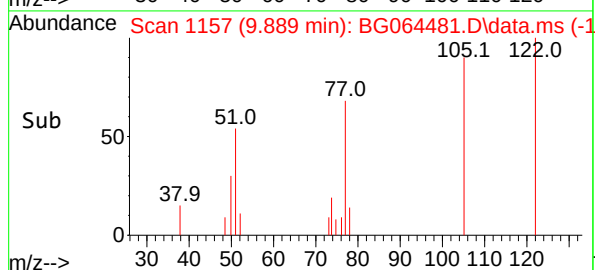
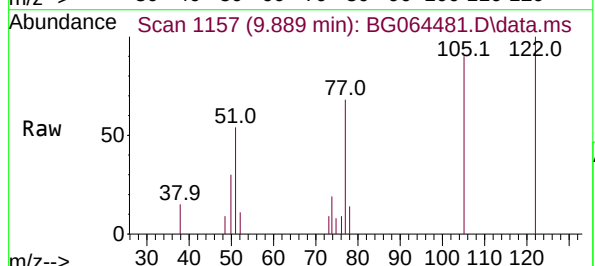
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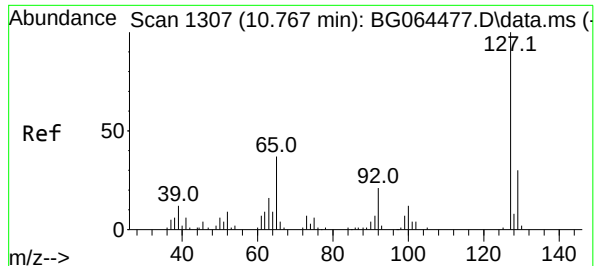
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#32
Benzoic acid
Concen: 6.894 ng m
RT: 9.889 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

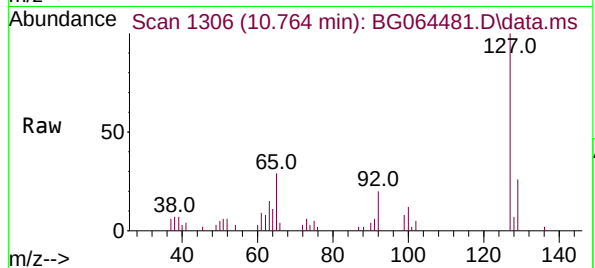
Tgt Ion:122 Resp: 6224
Ion Ratio Lower Upper
122 100
105 89.5 113.9 153.9#
77 68.1 86.1 126.1#





#33
4-Chloroaniline
Concen: 10.065 ng
RT: 10.764 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

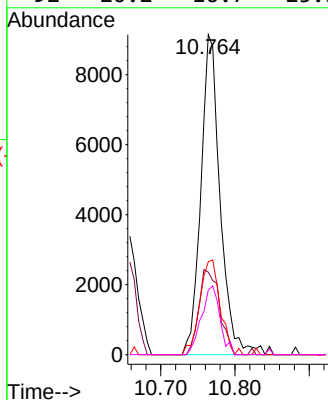
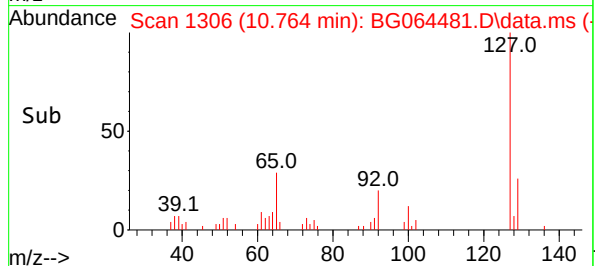
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:127 Resp: 16589
Ion Ratio Lower Upper
127 100
129 25.8 24.2 36.4
65 29.0 29.6 44.4
92 20.2 16.7 25.1

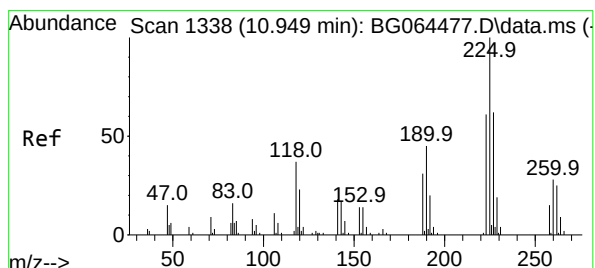
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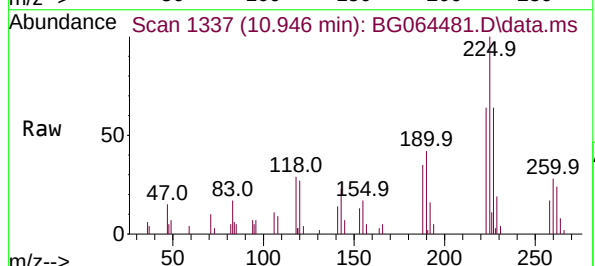


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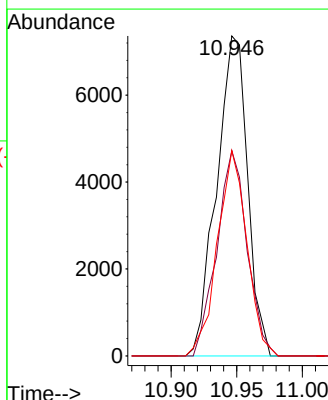
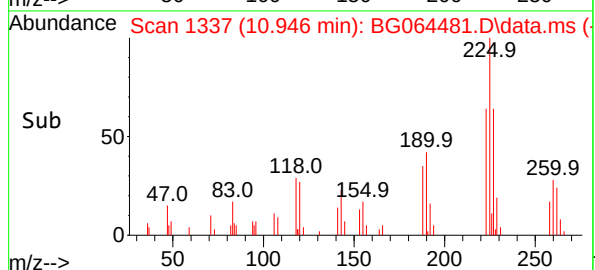
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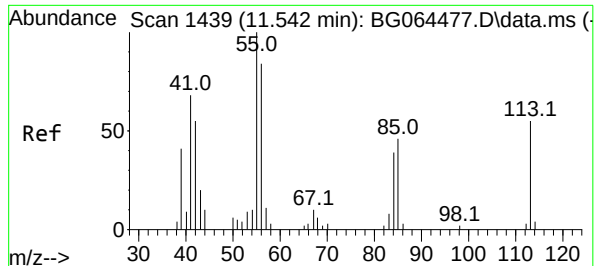


#34
Hexachlorobutadiene
Concen: 9.503 ng
RT: 10.946 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



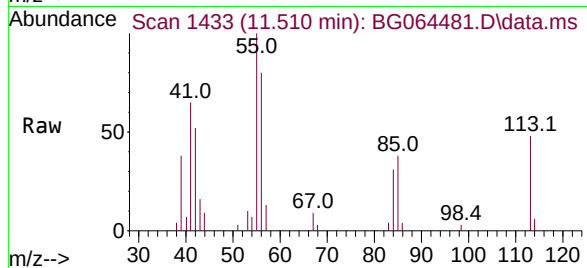
Tgt Ion:225 Resp: 12067
Ion Ratio Lower Upper
225 100
223 64.1 49.0 73.6
227 64.1 49.9 74.9





#35
Caprolactam
Concen: 9.648 ng
RT: 11.510 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

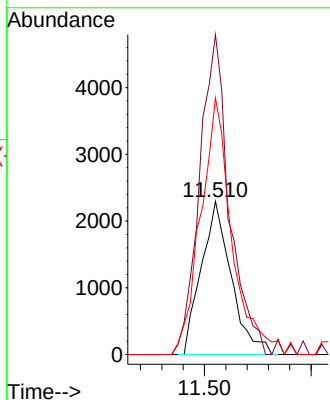
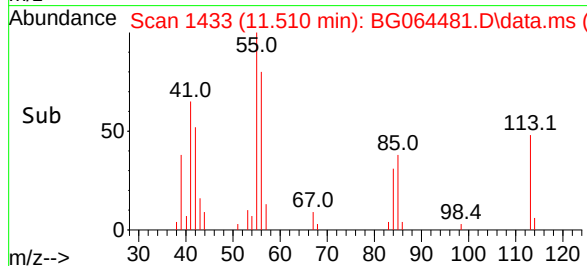
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:113 Resp: 4491
Ion Ratio Lower Upper
113 100
55 209.0 162.0 202.0
56 167.6 134.6 174.6

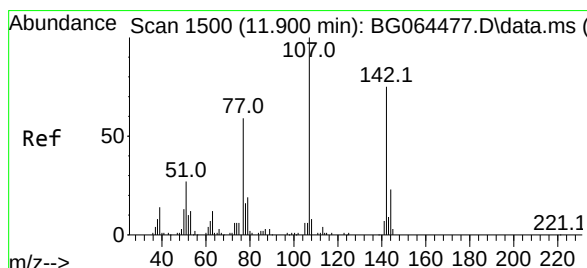
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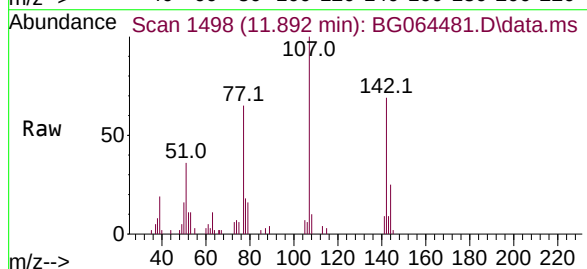


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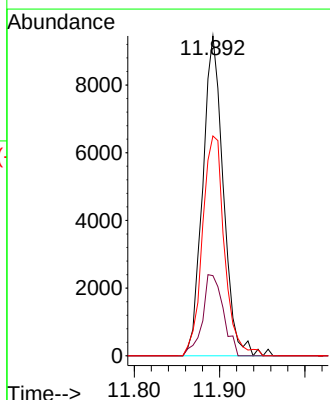
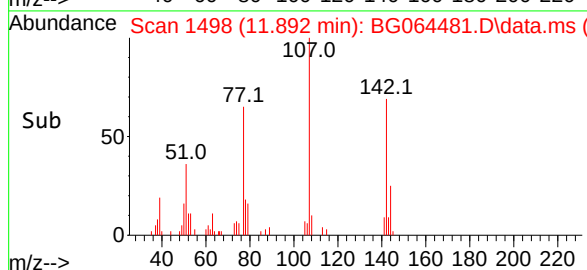
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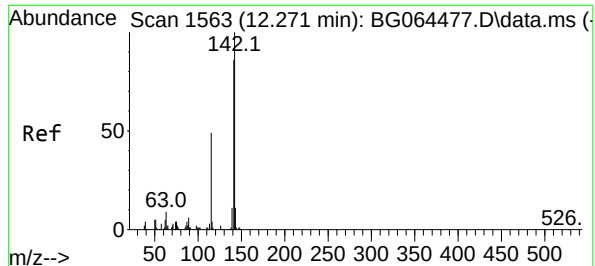


#36
4-Chloro-3-methylphenol
Concen: 9.597 ng
RT: 11.892 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



Tgt Ion:107 Resp: 15870
Ion Ratio Lower Upper
107 100
144 25.1 18.7 28.1
142 68.7 60.2 90.2





#37
2-Methylnaphthalene
Concen: 9.749 ng
RT: 12.268 min Scan# 1562
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Instrument :

BNA_G

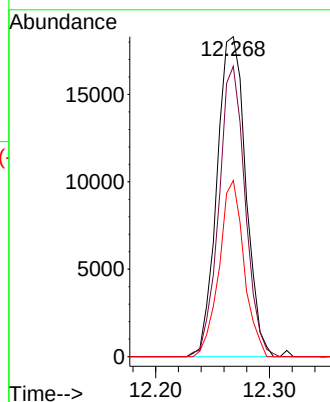
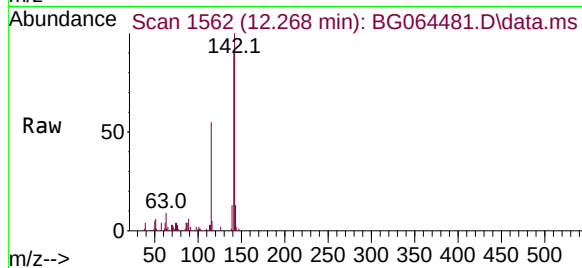
ClientSampleId :

SSTDICC010

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	68.7	103.1
115	55.0	39.3	58.9

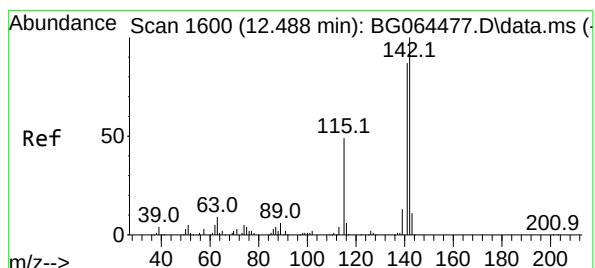
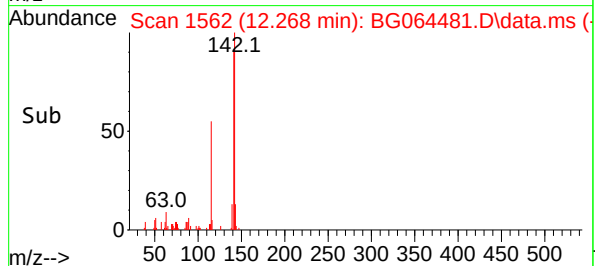
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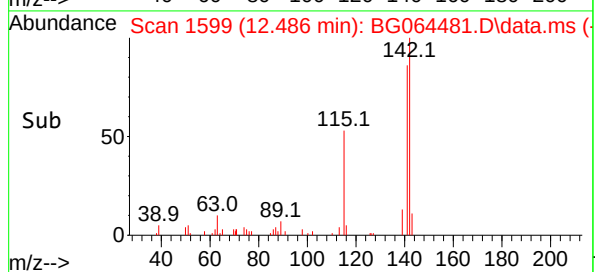
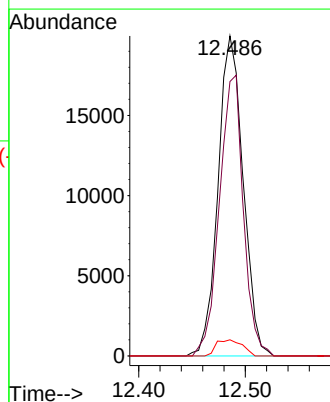
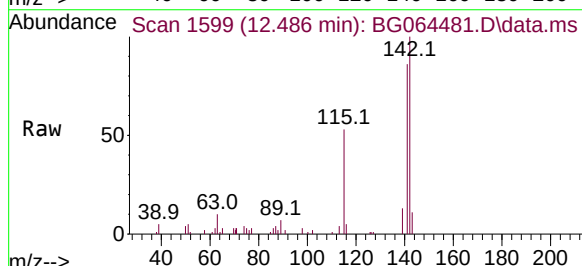
10/03/2025
Supervised By :Jagrut
Upadhyay

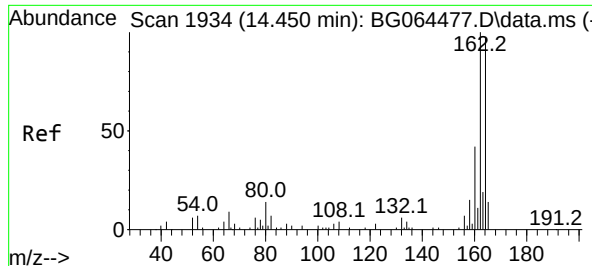
10/03/2025



#38
1-Methylnaphthalene
Concen: 9.921 ng
RT: 12.486 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.7	69.8	104.8
116	5.1	4.6	6.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.448 min Scan# 1933

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

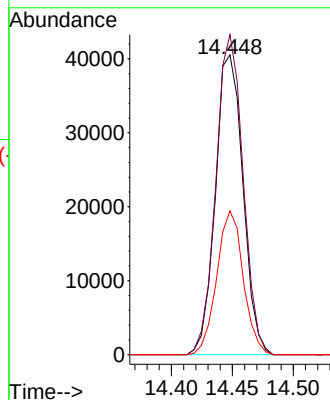
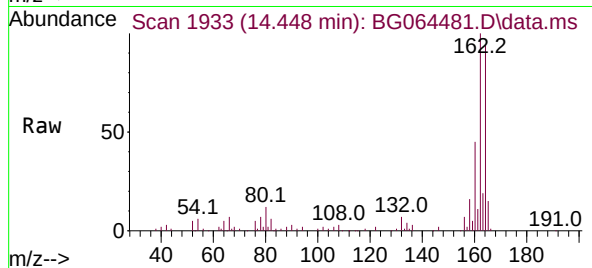
Instrument :

BNA_G

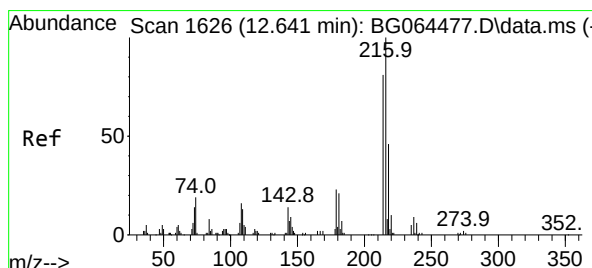
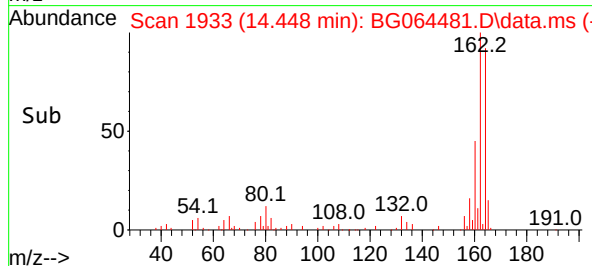
ClientSampleId :

SSTDICC010

Tgt Ion:	164	Resp:	6348
Ion Ratio	Lower	Upper	
164	100		
162	106.7	82.2	123.2
160	48.0	34.3	51.5

Manual Integrations
APPROVEDReviewed By :Rahul
Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.354 ng

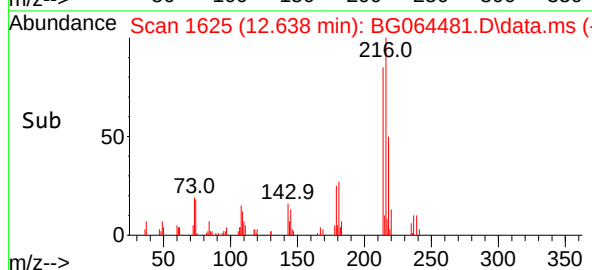
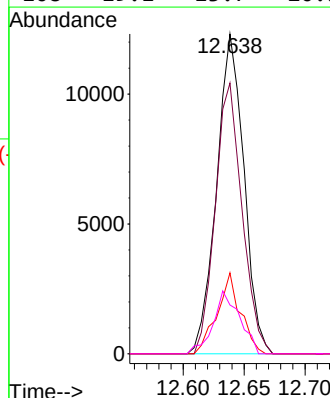
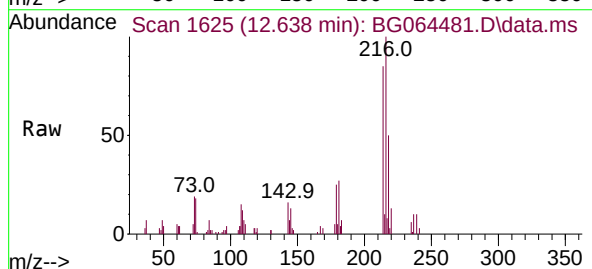
RT: 12.638 min Scan# 1625

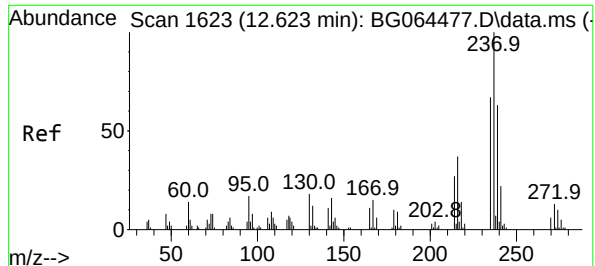
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

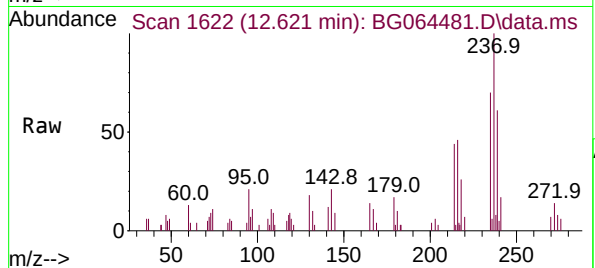
Tgt Ion:	216	Resp:	19175
Ion Ratio	Lower	Upper	
216	100		
214	82.9	62.5	93.7
179	21.7	17.0	25.6
108	19.1	13.7	20.5





#41
Hexachlorocyclopentadiene
Concen: 8.249 ng
RT: 12.621 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

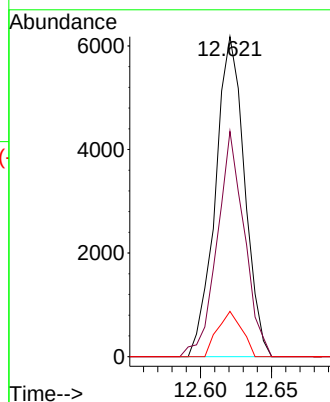
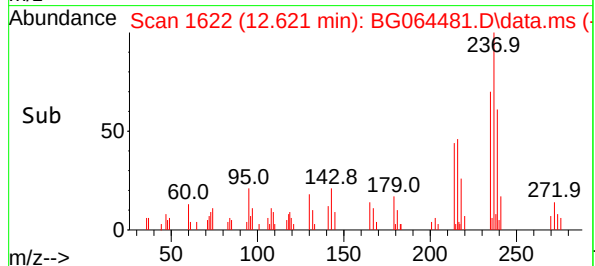
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:237 Resp: 8845
Ion Ratio Lower Upper
237 100
235 70.4 46.9 86.9
272 14.1 0.0 32.6

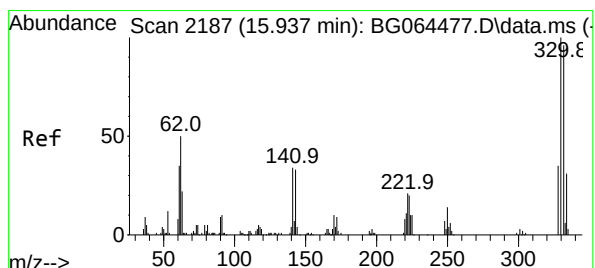
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

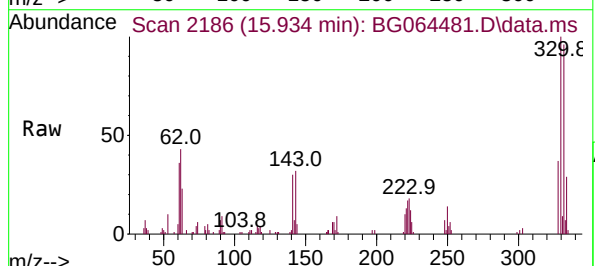


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Supervised By :Jagrut
Upadhyay

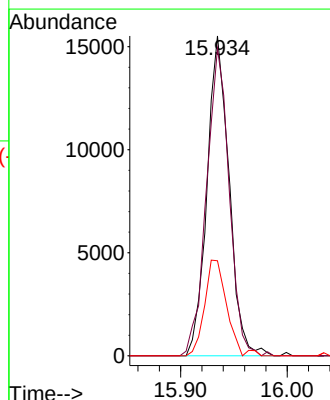
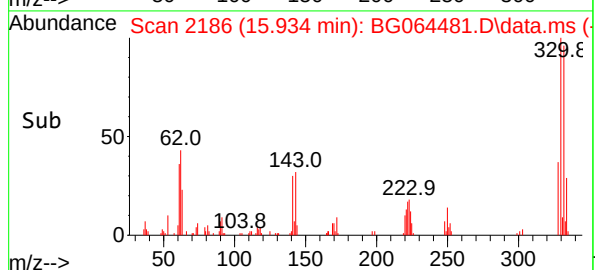
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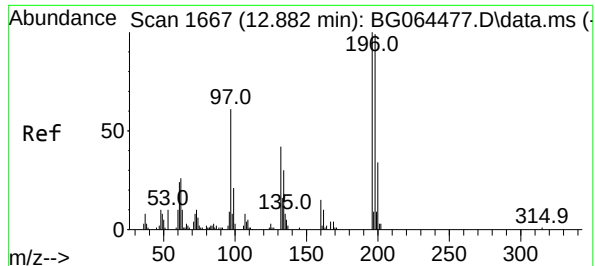


#42
2,4,6-Tribromophenol
Concen: 19.423 ng
RT: 15.934 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



Tgt Ion:330 Resp: 22352
Ion Ratio Lower Upper
330 100
332 98.9 77.4 116.0
141 30.0 25.8 38.6





#43

2,4,6-Trichlorophenol

Concen: 9.457 ng

RT: 12.879 min Scan# 1666

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

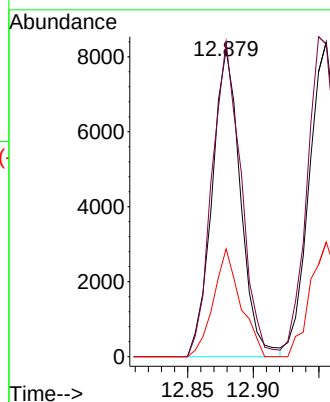
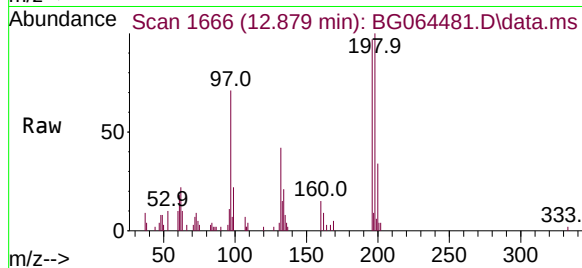
Instrument :

BNA_G

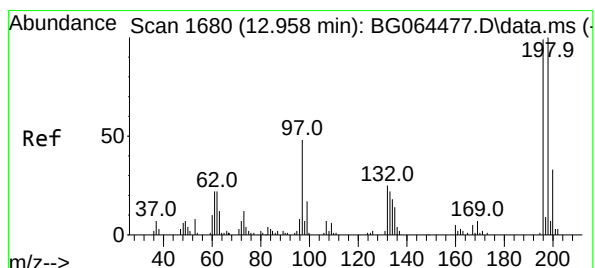
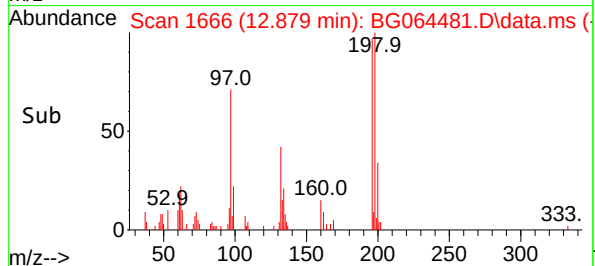
ClientSampleId :

SSTDICC010

Tgt Ion	196	Resp	1239
Ion Ratio	Lower	Upper	
196	100		
198	102.6	79.3	118.9
200	39.2	27.4	41.2

Manual Integrations
APPROVEDReviewed By :Rahul
Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

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#44

2,4,5-Trichlorophenol

Concen: 9.806 ng

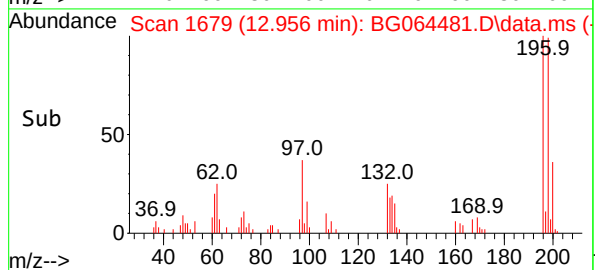
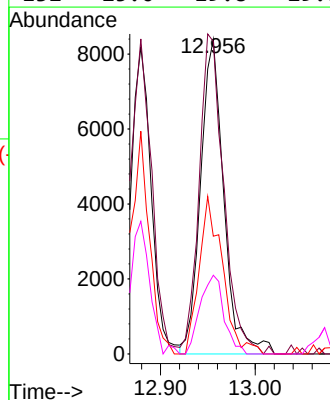
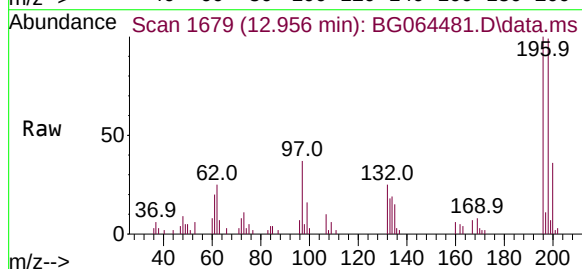
RT: 12.956 min Scan# 1679

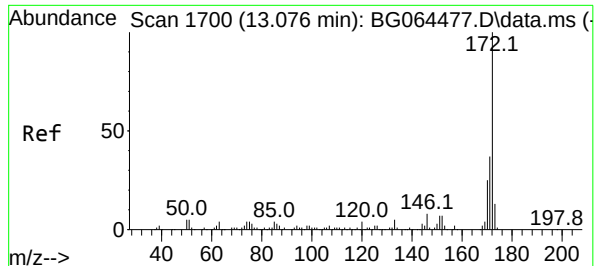
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

Tgt Ion	196	Resp	14346
Ion Ratio	Lower	Upper	
196	100		
198	99.3	80.3	120.5
97	37.4	39.4	59.0#
132	25.0	19.8	29.8





#45

2-Fluorobiphenyl

Concen: 19.718 ng

RT: 13.067 min Scan# 1698

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

Instrument :

BNA_G

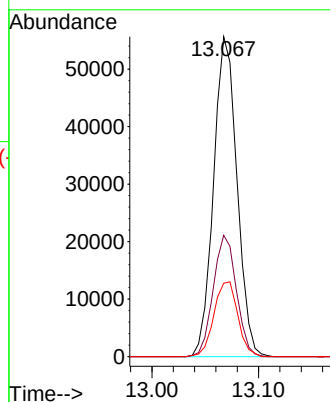
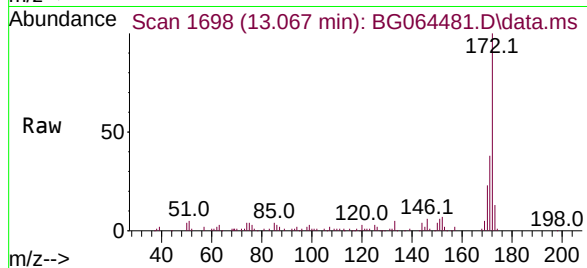
ClientSampleId :

SSTDIC010

Tgt Ion:172	Resp:	84929
Ion Ratio	Lower	Upper
172	100	
171	37.9	29.6 44.4
170	22.9	20.2 30.2

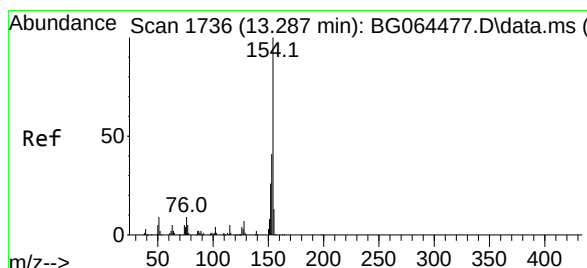
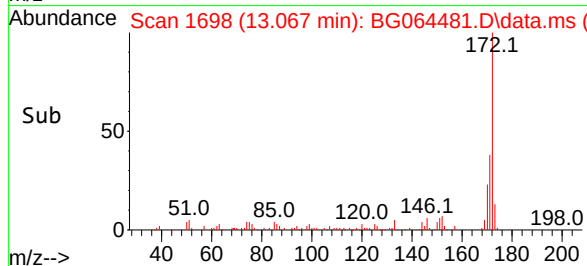
Manual Integrations
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Reviewed By :Rahul
Chavli



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Supervised By :Jagrut
Upadhyay

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#46

1,1'-Biphenyl

Concen: 9.648 ng

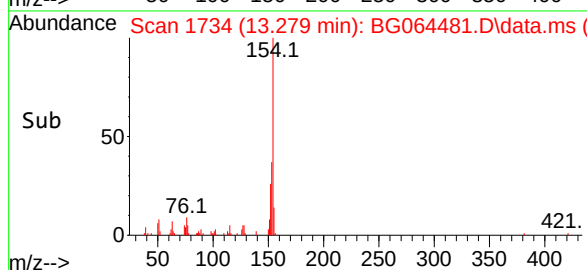
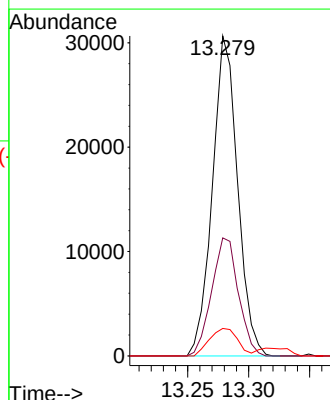
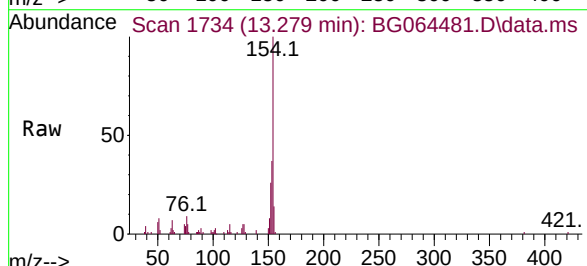
RT: 13.279 min Scan# 1734

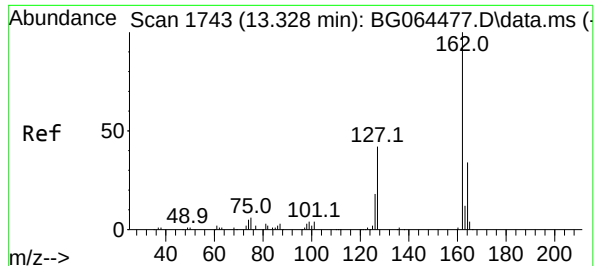
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

Tgt Ion:154	Resp:	44053
Ion Ratio	Lower	Upper
154	100	
153	36.9	20.7 60.7
76	8.6	0.0 29.3





#47

2-Chloronaphthalene

Concen: 10.281 ng

RT: 13.320 min Scan# 1743

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

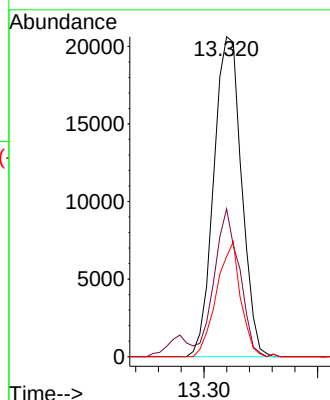
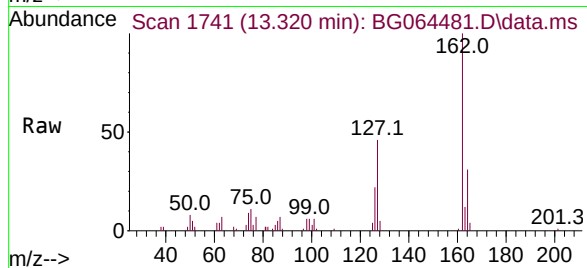
Instrument :

BNA_G

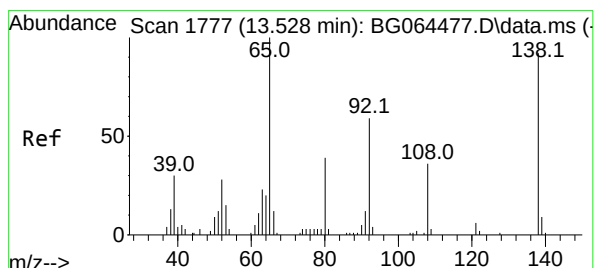
ClientSampleId :

SSTDICC010

Tgt Ion:	162	Resp:	35050
Ion Ratio	Lower	Upper	
162	100		
127	46.2	35.8	53.8
164	31.3	27.2	40.8

Manual Integrations
APPROVEDReviewed By :Rahul
Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

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#48

2-Nitroaniline

Concen: 9.868 ng

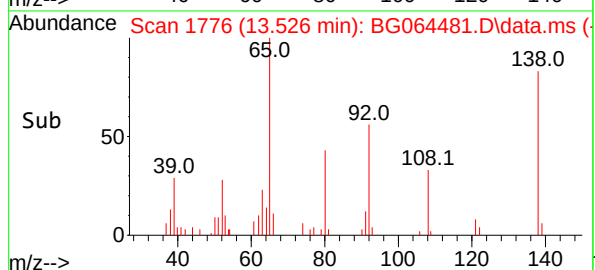
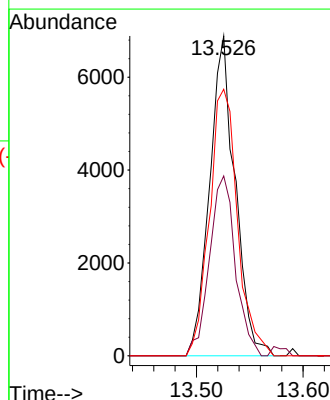
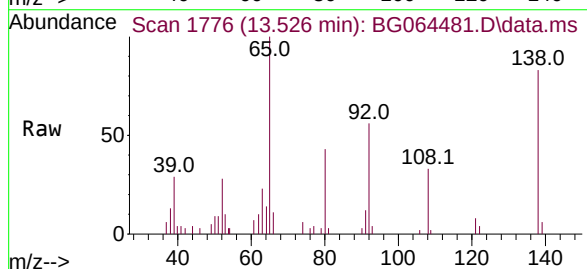
RT: 13.526 min Scan# 1776

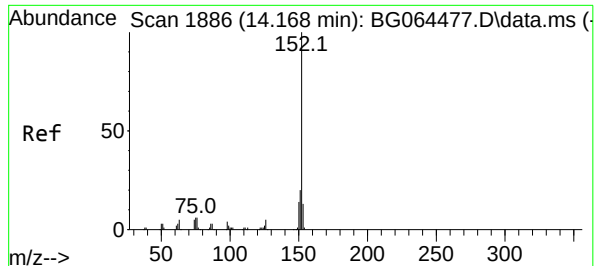
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

Tgt Ion:	65	Resp:	11482
Ion Ratio	Lower	Upper	
65	100		
92	56.2	47.0	70.6
138	83.3	73.5	110.3





#49

Acenaphthylene

Concen: 9.624 ng

RT: 14.172 min Scan# 1886

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

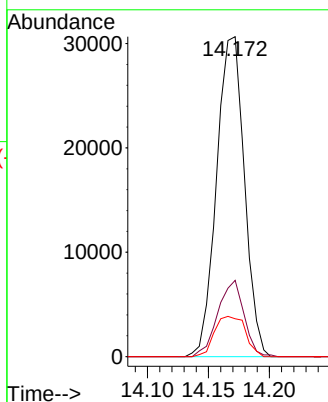
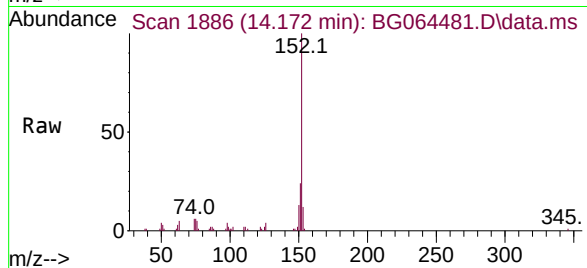
Instrument :

BNA_G

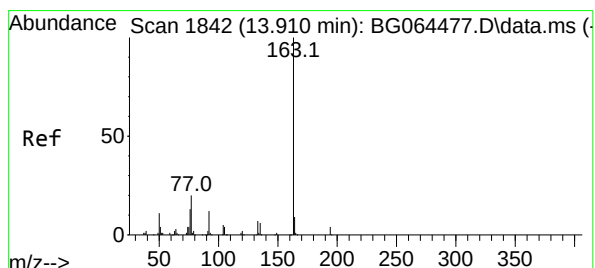
ClientSampleId :

SSTDICC010

Tgt Ion:	152	Resp:	48705
Ion Ratio	Lower	Upper	
152	100		
151	23.8	15.8	23.6
153	11.8	10.6	15.8

Manual Integrations
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Upadhyay

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#50

Dimethylphthalate

Concen: 10.110 ng

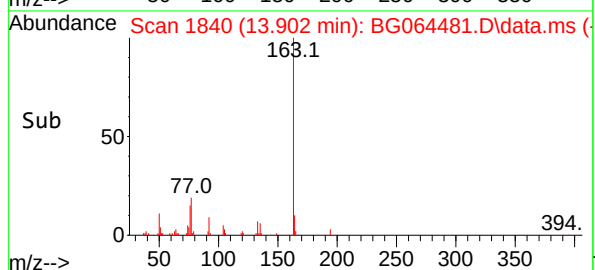
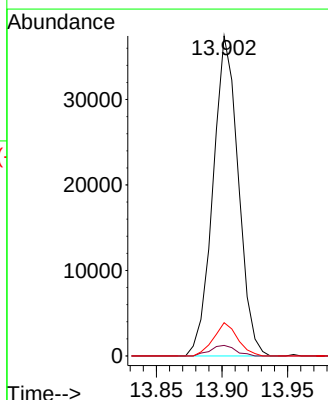
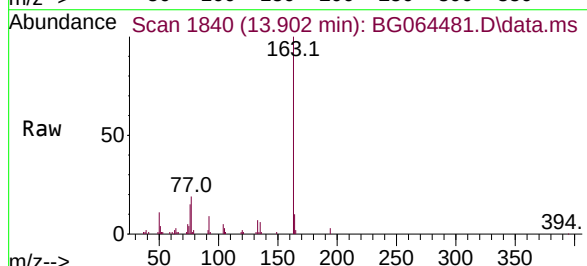
RT: 13.902 min Scan# 1840

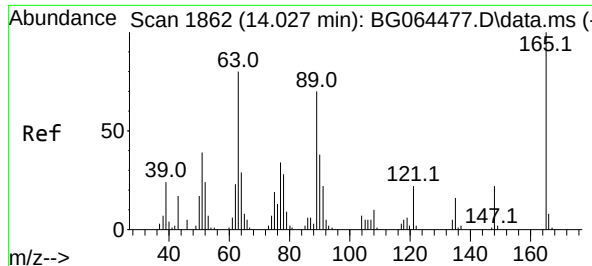
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

Tgt Ion:	163	Resp:	50268
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.9	4.3
164	10.4	7.4	11.0





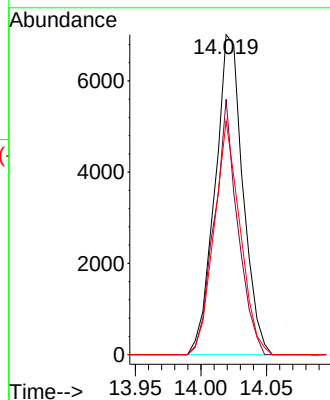
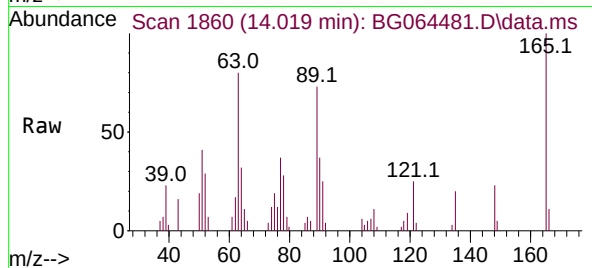
#51
2,6-Dinitrotoluene
Concen: 9.980 ng
RT: 14.019 min Scan# 1860
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 1033
Ion Ratio Lower Upper
165 100
63 79.8 63.9 95.9
89 73.0 56.1 84.1

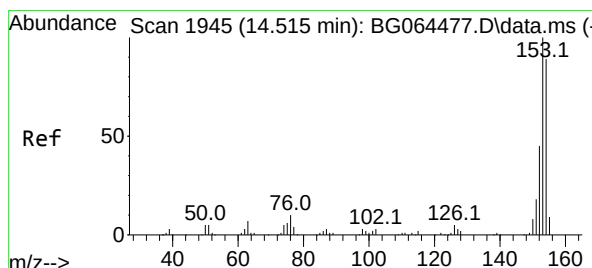
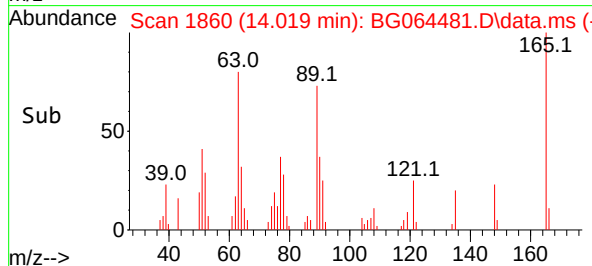
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Chavli



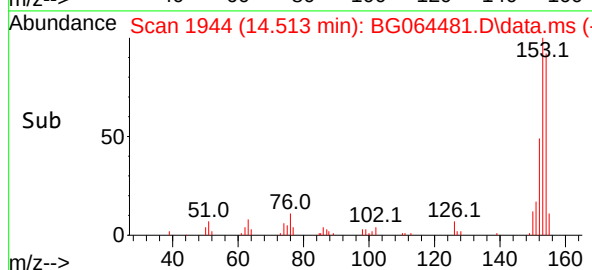
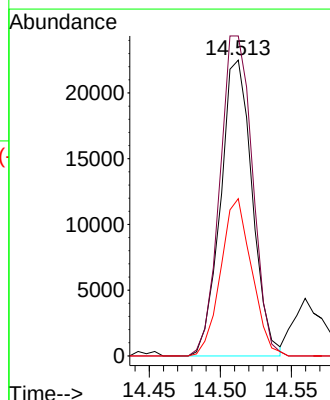
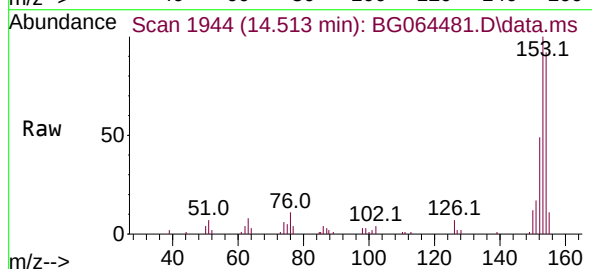
10/03/2025
Supervised By :Jagrut
Upadhyay

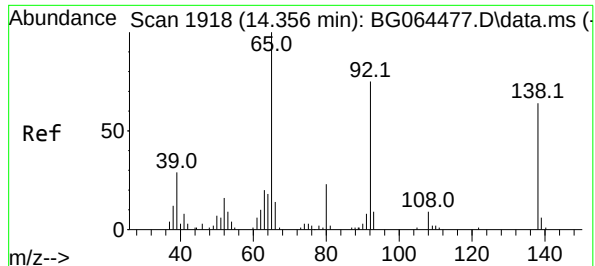
10/03/2025



#52
Acenaphthene
Concen: 9.922 ng
RT: 14.513 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

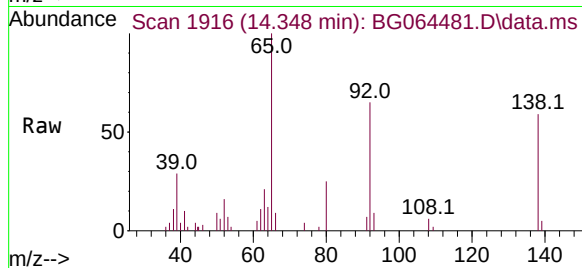
Tgt Ion:154 Resp: 34887
Ion Ratio Lower Upper
154 100
153 108.2 90.2 135.4
152 53.2 40.2 60.4





#53
3-Nitroaniline
Concen: 9.780 ng
RT: 14.348 min Scan# 1916
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

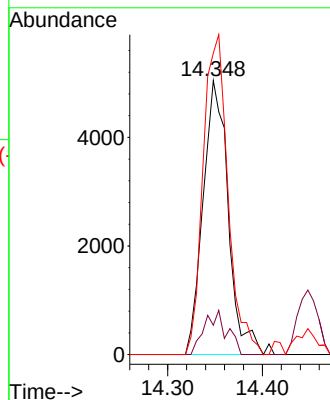
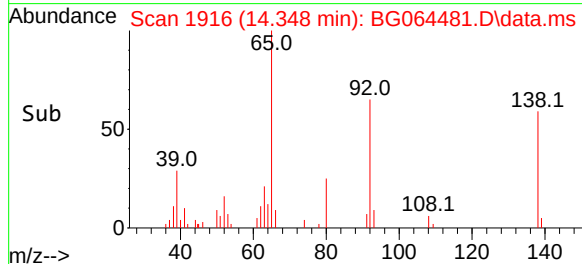
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:138 Resp: 9342
Ion Ratio Lower Upper
138 100
108 10.7 10.6 15.8
92 110.1 93.2 139.8

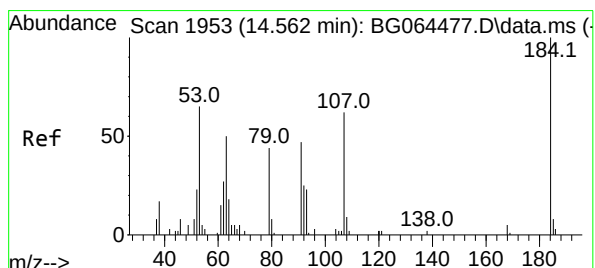
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Chavli



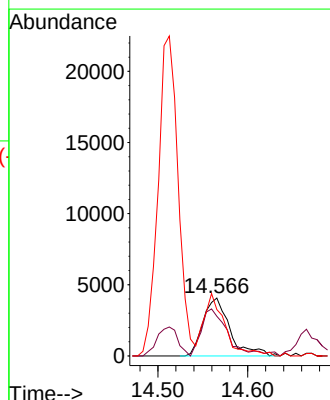
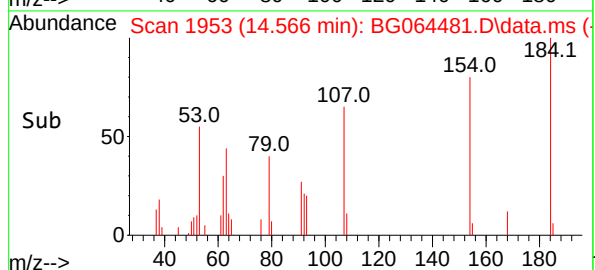
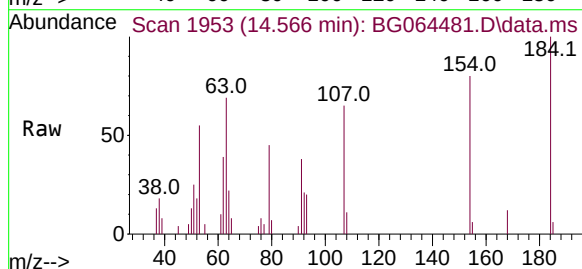
10/03/2025
Supervised By :Jagrut
Upadhyay

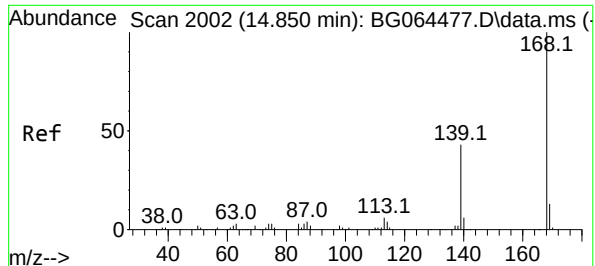
10/03/2025



#54
2,4-Dinitrophenol
Concen: 11.216 ng
RT: 14.566 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

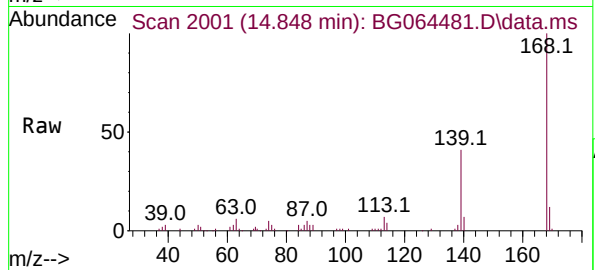
Tgt Ion:184 Resp: 8424
Ion Ratio Lower Upper
184 100
63 68.6 69.0 103.4#
154 80.0 95.6 143.4#





#55
Dibenzenofuran
Concen: 9.897 ng
RT: 14.848 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

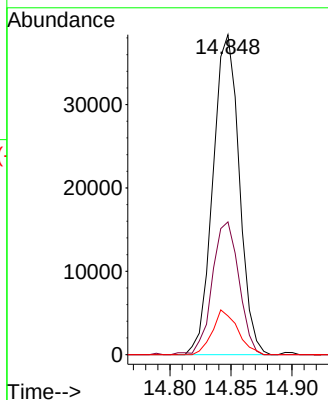
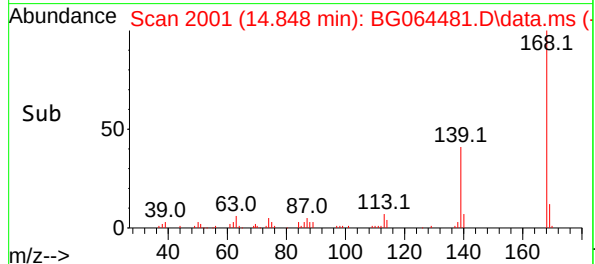
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:168 Resp: 57456
Ion Ratio Lower Upper
168 100
139 41.5 34.0 51.0
169 12.1 10.2 15.2

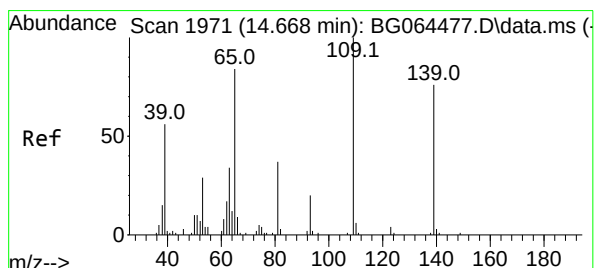
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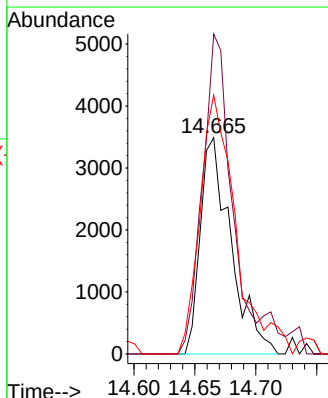
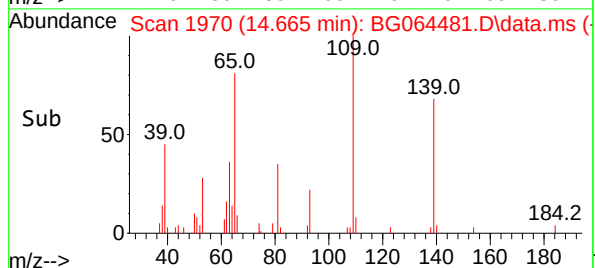
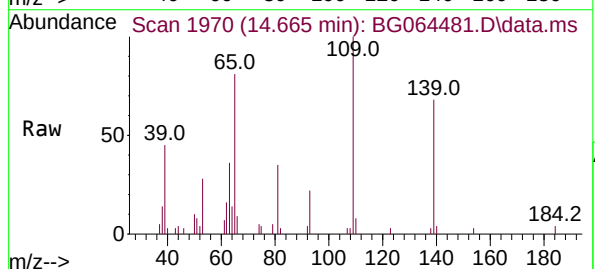
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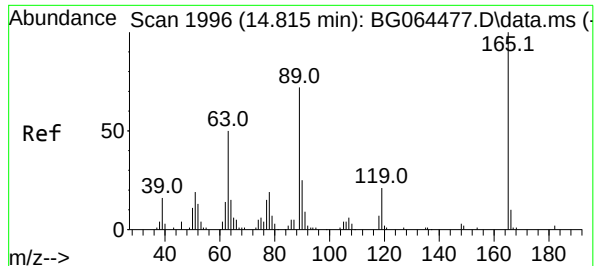
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#56
4-Nitrophenol
Concen: 8.116 ng
RT: 14.665 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

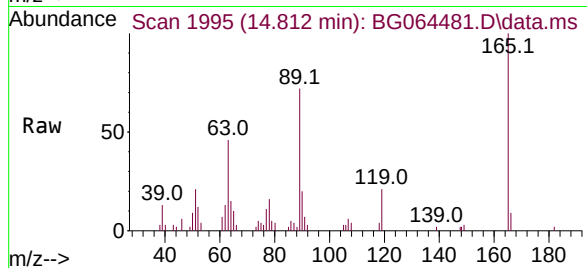
Tgt Ion:139 Resp: 6104
Ion Ratio Lower Upper
139 100
109 148.0 111.8 151.8
65 119.6 91.1 131.1





#57
2,4-Dinitrotoluene
Concen: 10.006 ng
RT: 14.812 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

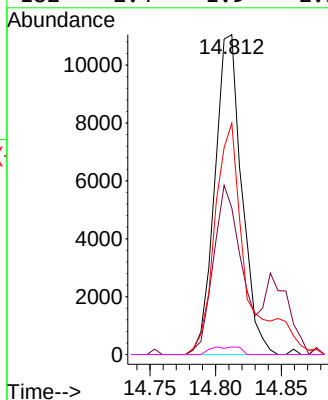
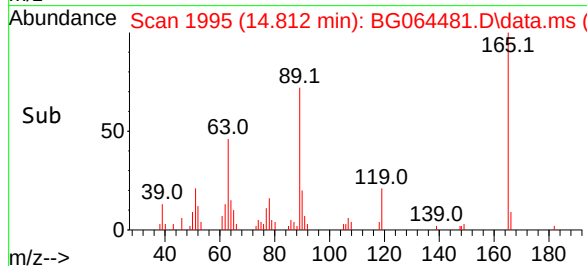
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 15843
Ion Ratio Lower Upper
165 100
63 45.8 40.4 60.6
89 72.3 57.3 85.9
182 2.4 1.9 2.9

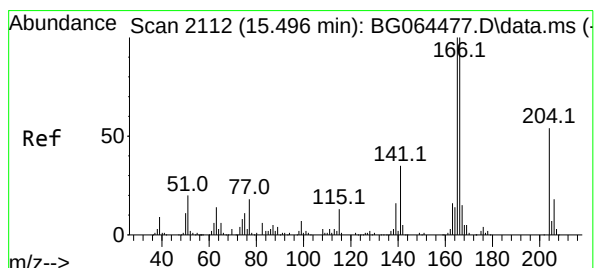
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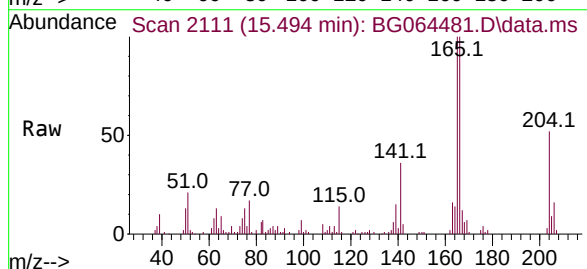


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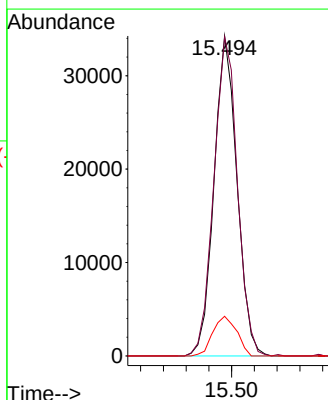
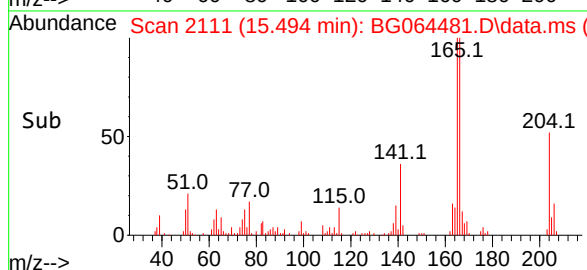
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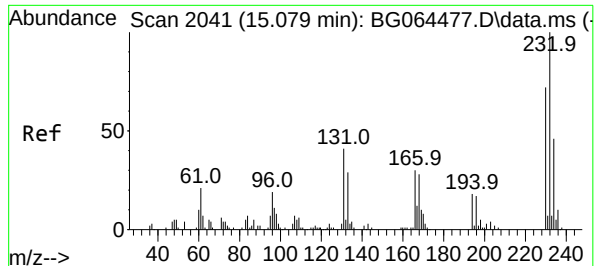


#58
Fluorene
Concen: 9.937 ng
RT: 15.494 min Scan# 2111
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



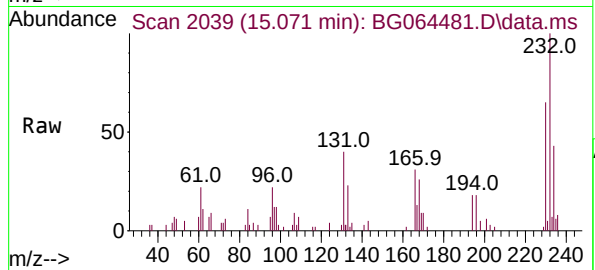
Tgt Ion:166 Resp: 47958
Ion Ratio Lower Upper
166 100
165 99.7 79.8 119.6
167 12.4 11.7 17.5





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.514 ng
RT: 15.071 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

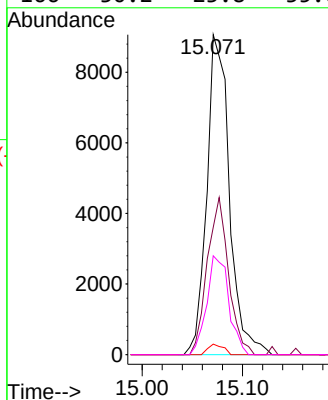
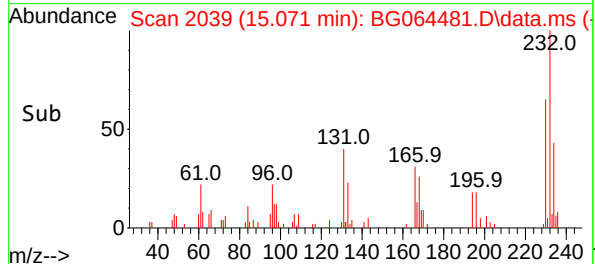
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:232 Resp: 14205
Ion Ratio Lower Upper
232 100
131 46.2 35.0 52.4
130 2.2 2.0 3.0
166 30.2 23.8 35.6

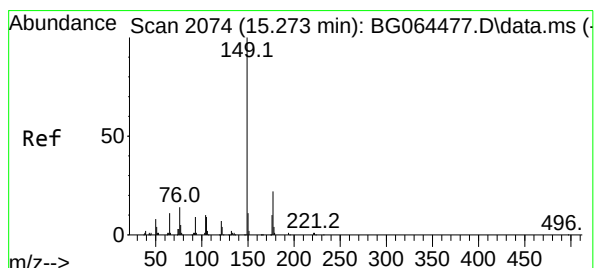
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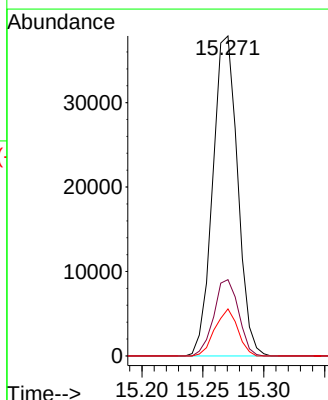
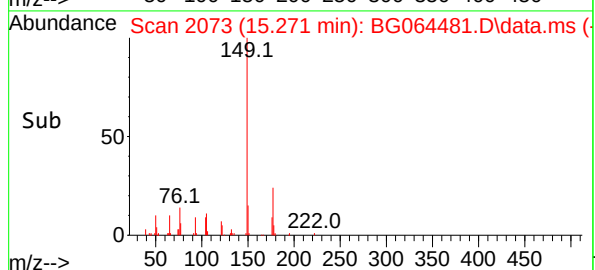
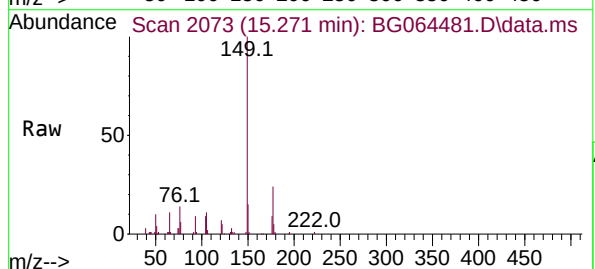
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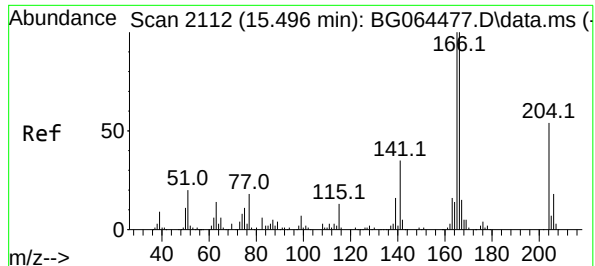
10/03/2025



#60
Diethylphthalate
Concen: 10.066 ng
RT: 15.271 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:149 Resp: 53695
Ion Ratio Lower Upper
149 100
177 23.8 17.4 26.0
150 14.7 9.1 13.7#





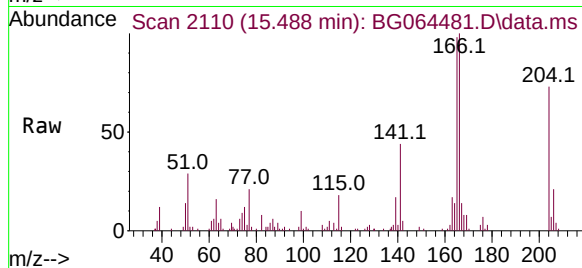
#61
4-Chlorophenyl-phenylether
Concen: 9.742 ng
RT: 15.488 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Instrument :

BNA_G

ClientSampleId :

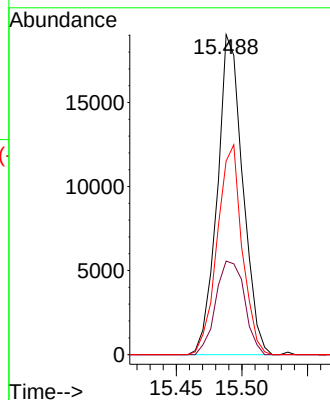
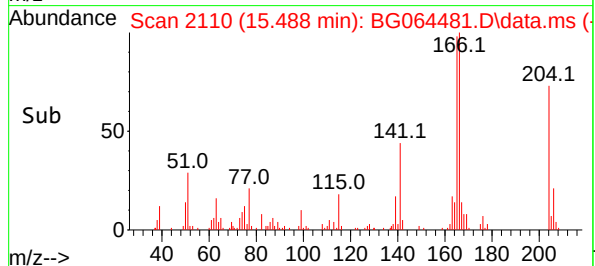
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Tgt Ion:204 Resp: 25669
Ion Ratio Lower Upper
204 100
206 29.2 27.1 40.7
141 60.5 51.5 77.3

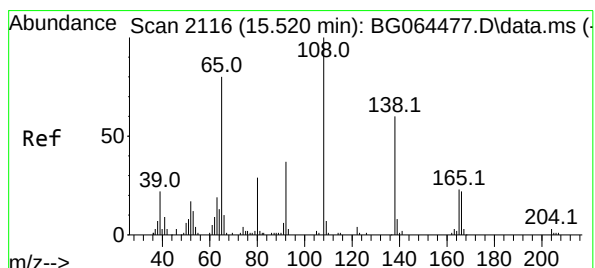
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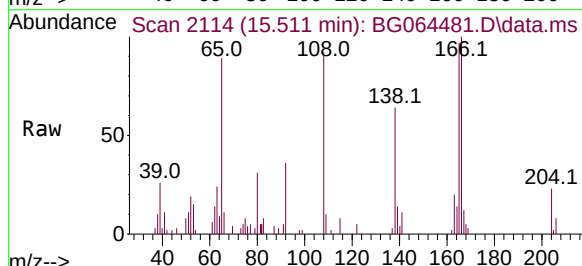


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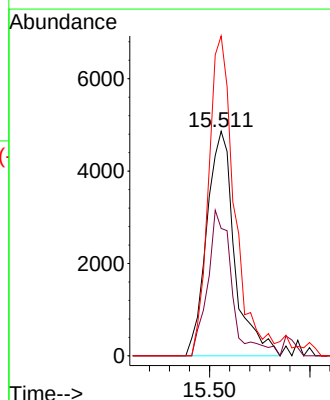
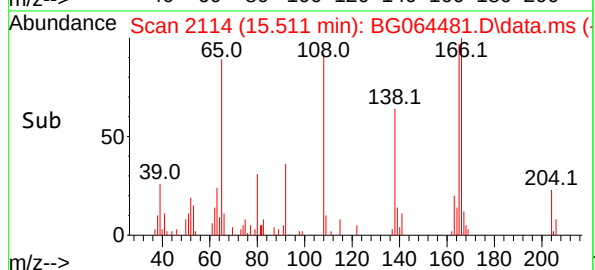
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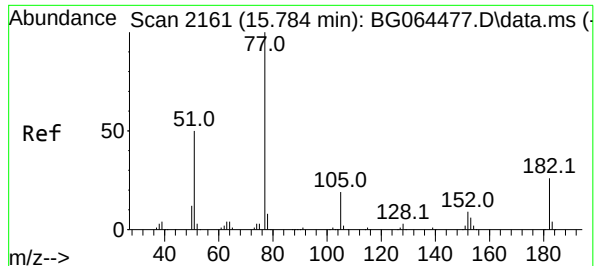


#62
4-Nitroaniline
Concen: 9.431 ng
RT: 15.511 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



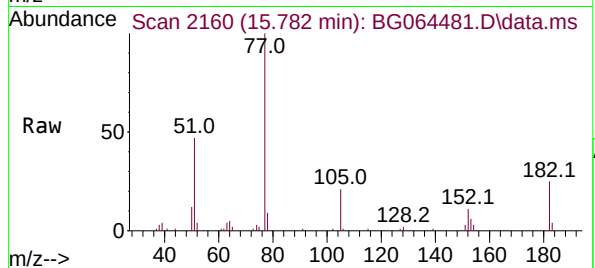
Tgt Ion:138 Resp: 9390
Ion Ratio Lower Upper
138 100
92 56.8 42.3 82.3
108 142.5 147.7 187.7#





#63
Azobenzene
Concen: 9.982 ng
RT: 15.782 min Scan# 2161
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

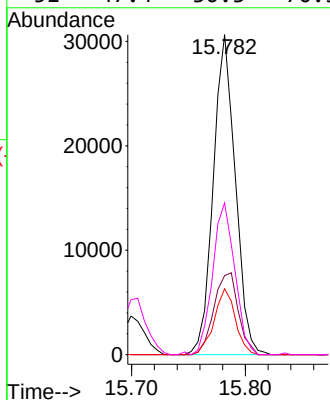
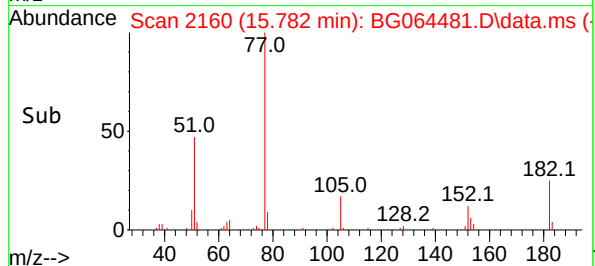
Instrument :
BNA_G
ClientSampleId :
SSTDIC010



Tgt Ion: 77 Resp: 41235
Ion Ratio Lower Upper
77 100
182 24.7 6.3 46.3
105 20.6 0.0 38.7
51 47.4 30.3 70.3

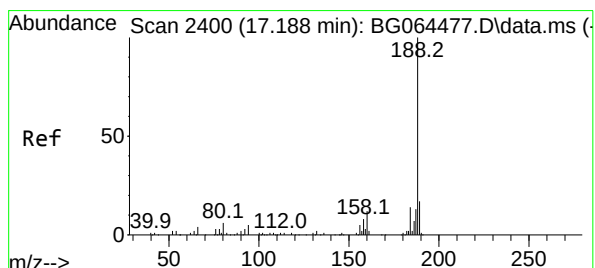
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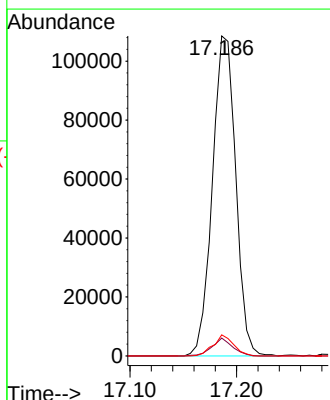
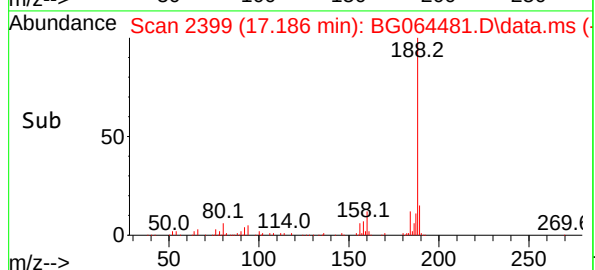
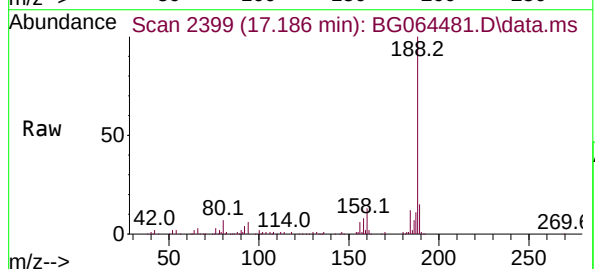
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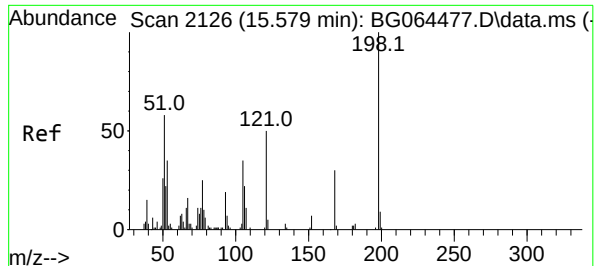
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:188 Resp: 165339
Ion Ratio Lower Upper
188 100
94 5.6 3.7 5.5#
80 6.6 4.5 6.7





#65

4,6-Dinitro-2-methylphenol

Concen: 8.960 ng

RT: 15.576 min Scan# 2126

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

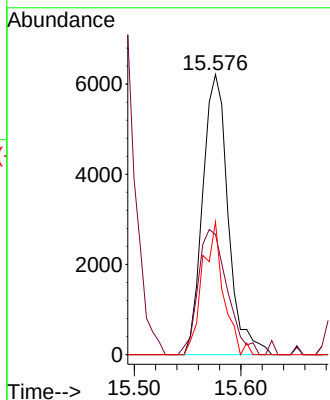
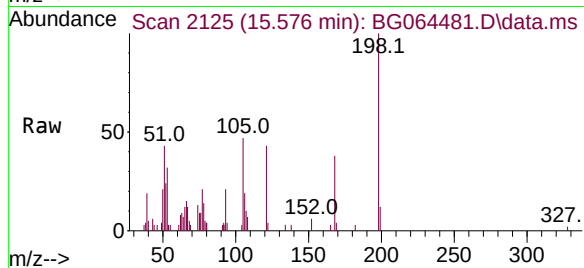
Instrument :

BNA_G

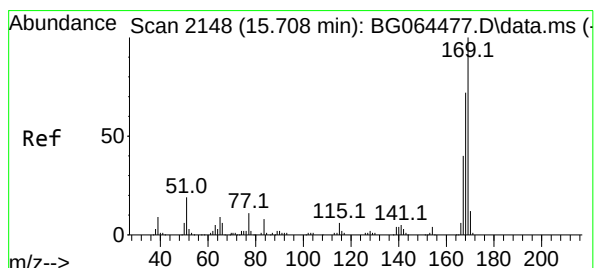
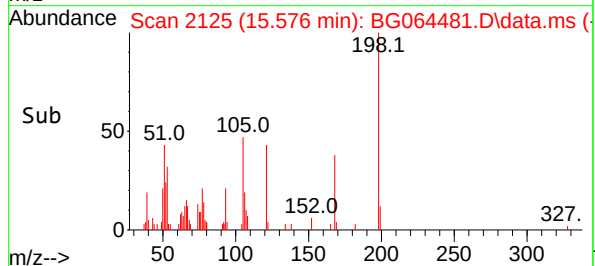
ClientSampleId :

SSTDICC010

Tgt Ion:	198	Resp:	10315
Ion Ratio	Lower	Upper	
198	100		
51	42.9	39.0	79.0
105	47.4	15.8	55.8

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#66

n-Nitrosodiphenylamine

Concen: 9.712 ng

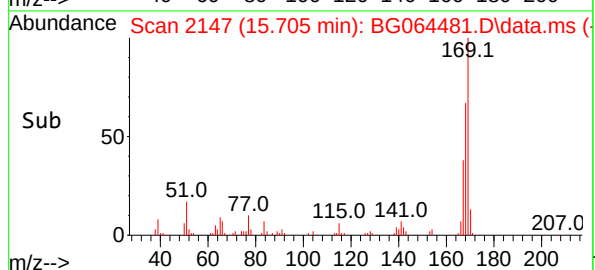
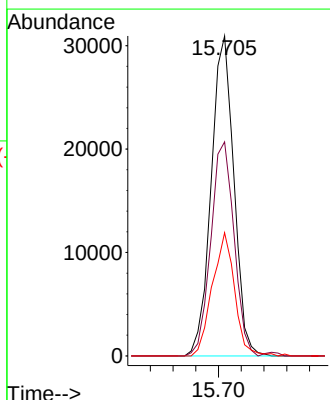
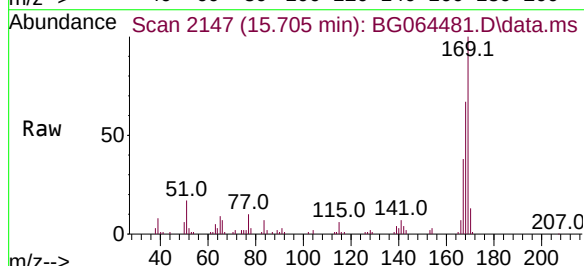
RT: 15.705 min Scan# 2147

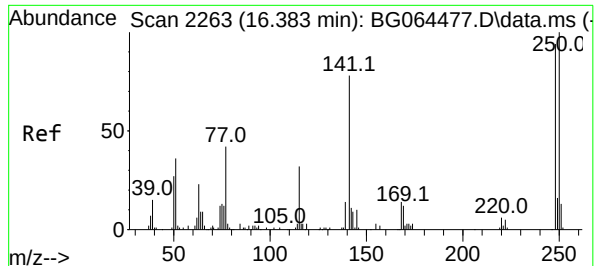
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

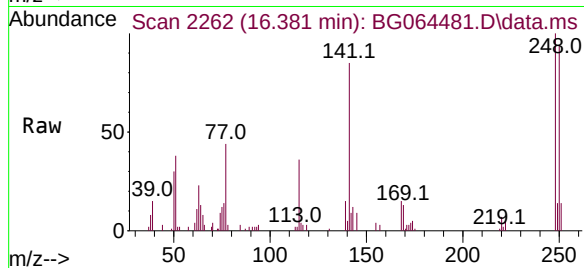
Tgt Ion:	169	Resp:	42881
Ion Ratio	Lower	Upper	
169	100		
168	66.9	57.8	86.6
167	38.5	31.7	47.5





#67
4-Bromophenyl-phenylether
Concen: 9.731 ng
RT: 16.381 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

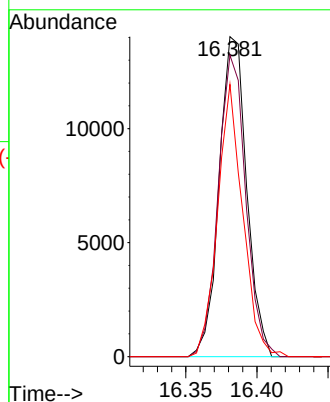
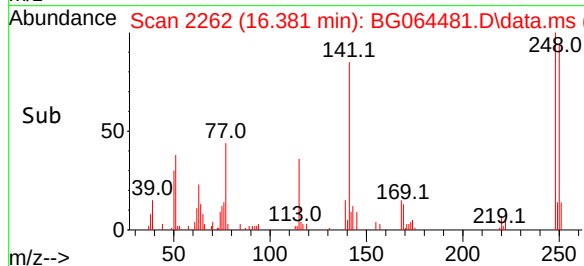
Instrument :
BNA_G
ClientSampleId :
SSTDIC010



Tgt Ion:248 Resp: 18933
Ion Ratio Lower Upper
248 100
250 94.2 85.3 127.9
141 85.1 66.2 99.2

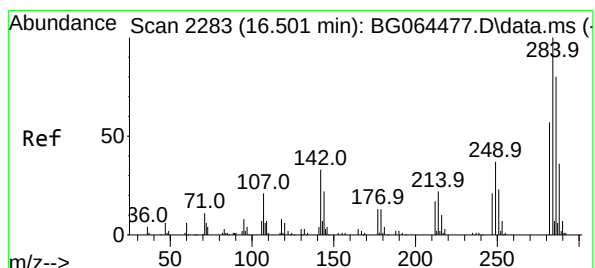
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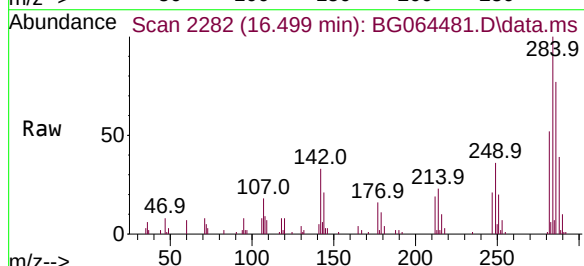


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Upadhyay

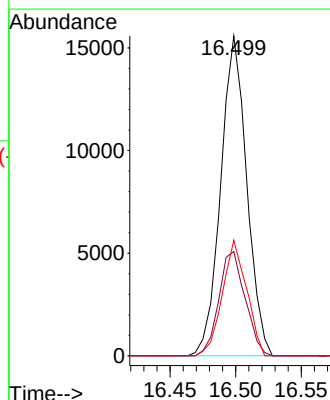
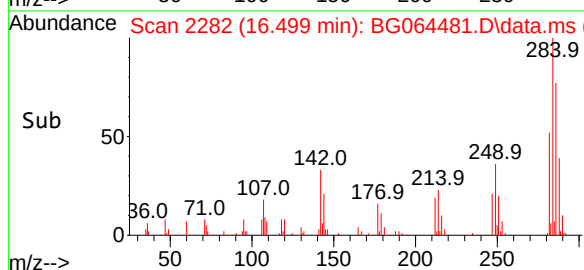
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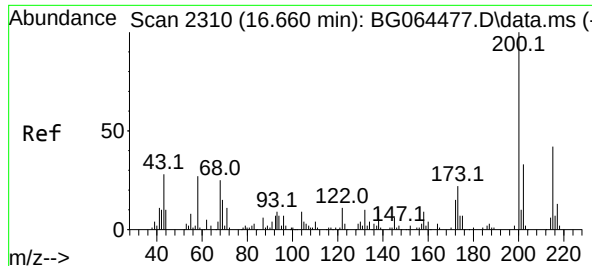


#68
Hexachlorobenzene
Concen: 9.676 ng
RT: 16.499 min Scan# 2282
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



Tgt Ion:284 Resp: 21542
Ion Ratio Lower Upper
284 100
142 32.6 26.2 39.2
249 36.1 29.4 44.0





#69

Atrazine

Concen: 10.119 ng

RT: 16.651 min Scan# 2310

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

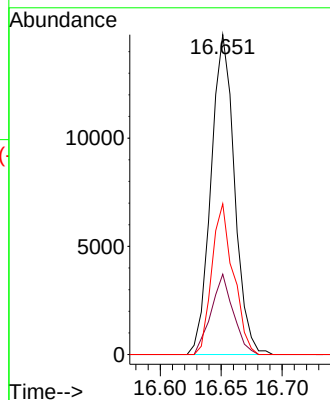
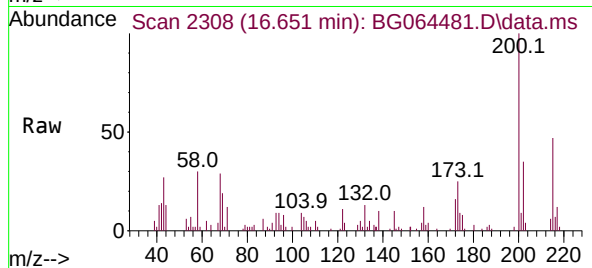
Instrument :

BNA_G

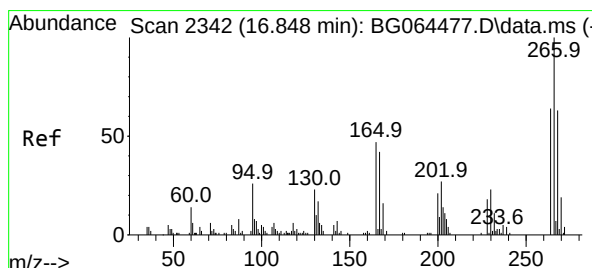
ClientSampleId :

SSTDICC010

Tgt Ion	200	Resp	1987
Ion Ratio	Lower	Upper	
200	100		
173	25.1	2.5	42.5
215	47.1	21.5	61.5

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Upadhyay

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#70

Pentachlorophenol

Concen: 7.520 ng

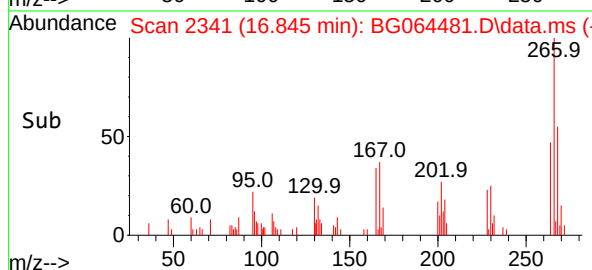
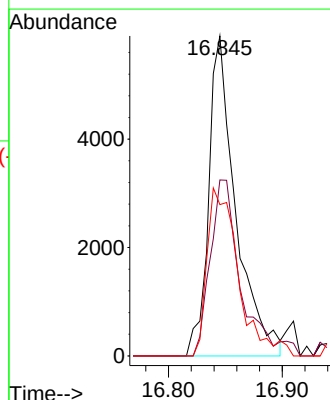
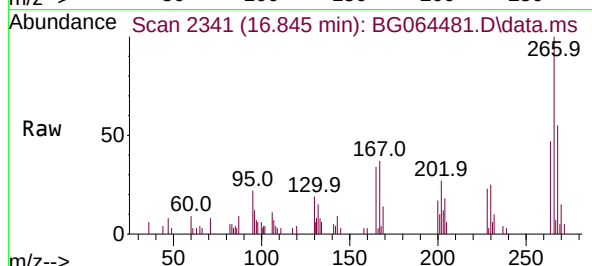
RT: 16.845 min Scan# 2341

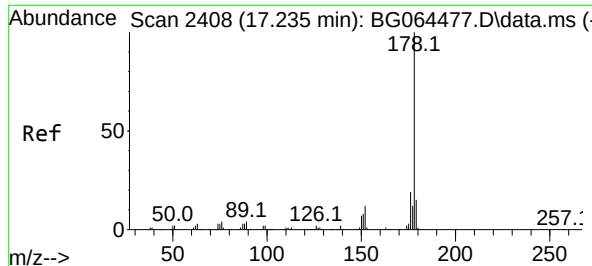
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

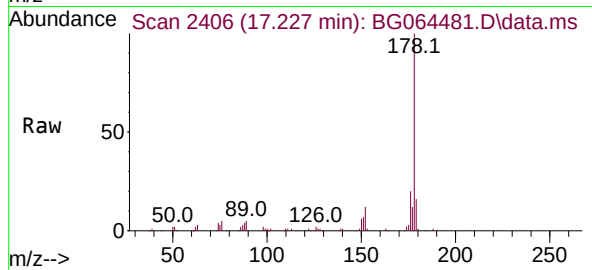
Tgt Ion	266	Resp	9789
Ion Ratio	Lower	Upper	
266	100		
268	55.0	50.6	75.8
264	47.3	51.2	76.8





#71
Phenanthrene
Concen: 9.770 ng
RT: 17.227 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

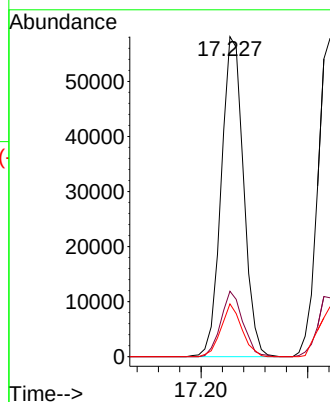
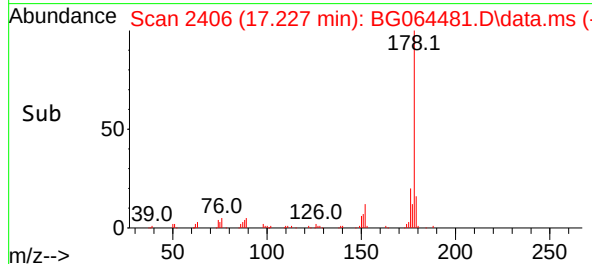
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:178 Resp: 84472
Ion Ratio Lower Upper
178 100
176 20.4 15.2 22.8
179 16.5 11.8 17.6

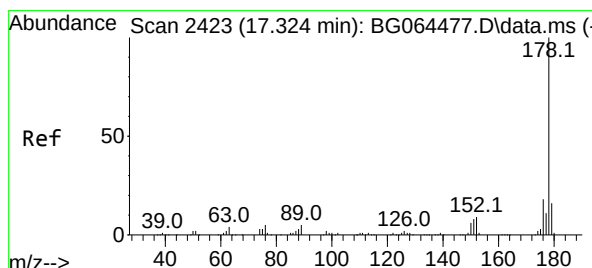
Manual Integrations
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Chavli



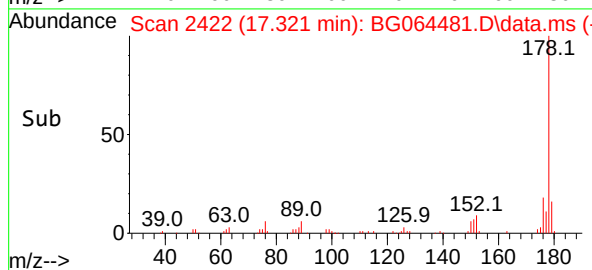
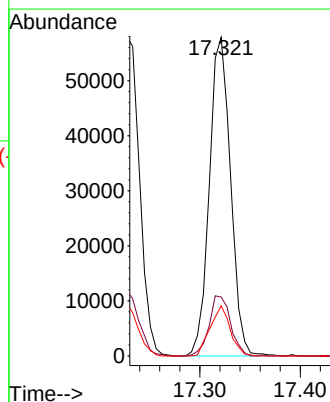
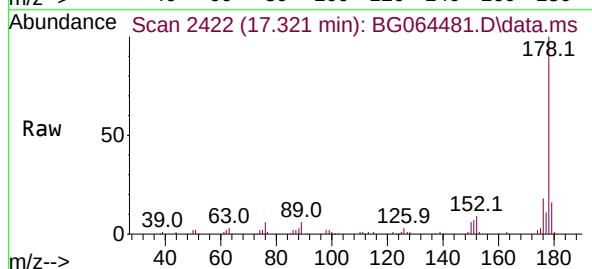
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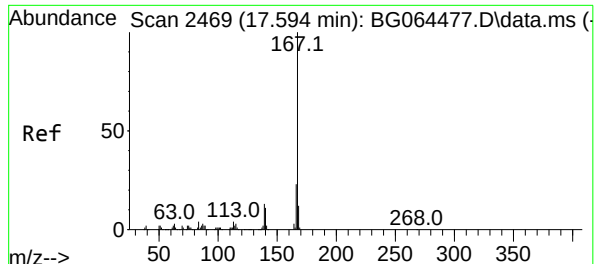
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#72
Anthracene
Concen: 9.797 ng
RT: 17.321 min Scan# 2422
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

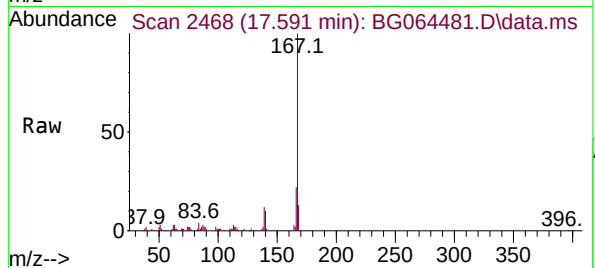
Tgt Ion:178 Resp: 84981
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 15.7 12.5 18.7





#73
Carbazole
Concen: 9.869 ng
RT: 17.591 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

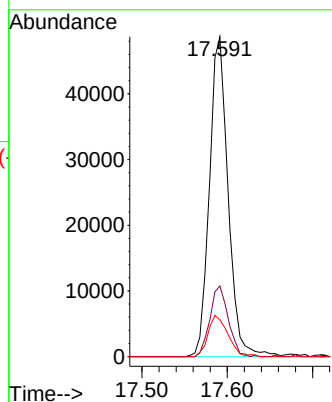
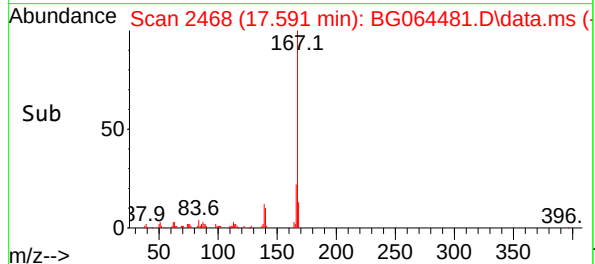
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:167 Resp: 73994
Ion Ratio Lower Upper
167 100
166 22.1 18.6 27.8
139 11.5 10.2 15.4

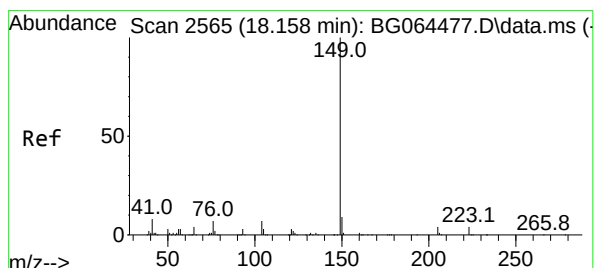
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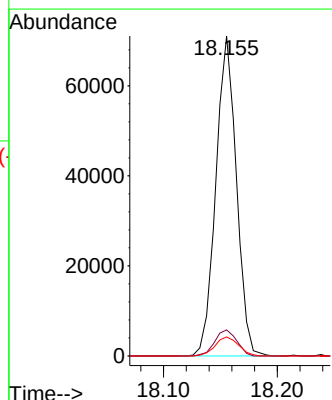
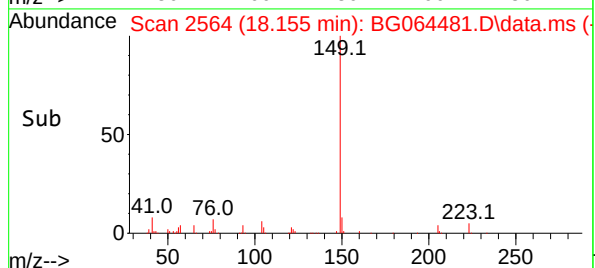
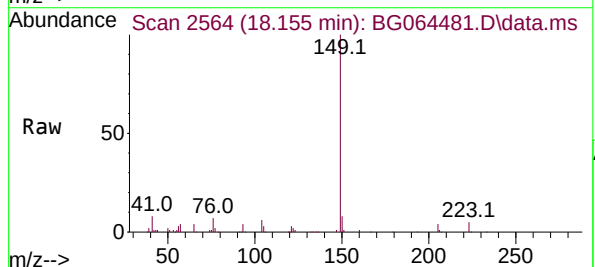
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Upadhyay

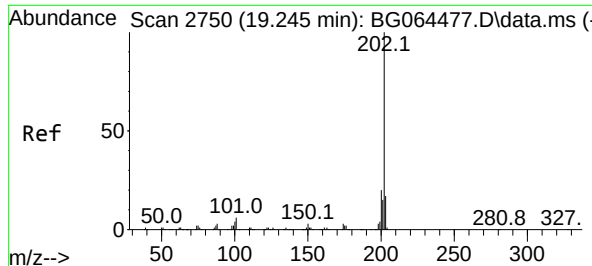
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#74
Di-n-butylphthalate
Concen: 9.742 ng
RT: 18.155 min Scan# 2564
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

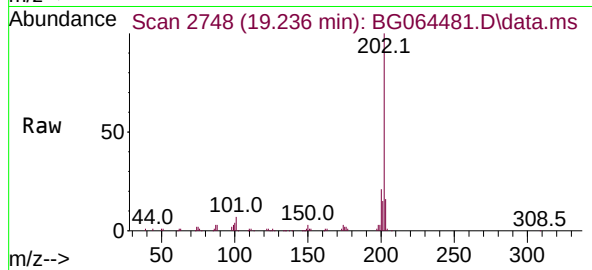
Tgt Ion:149 Resp: 89166
Ion Ratio Lower Upper
149 100
150 8.1 7.4 11.2
104 6.0 5.3 7.9





#75
Fluoranthene
Concen: 9.813 ng
RT: 19.236 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

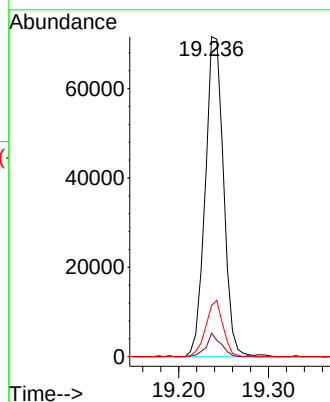
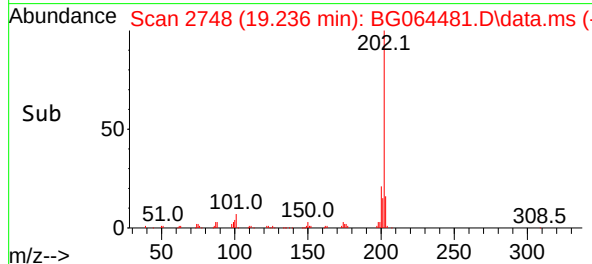
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 101360
Ion Ratio Lower Upper
202 100
101 7.4 0.0 25.7
203 16.0 0.0 36.6

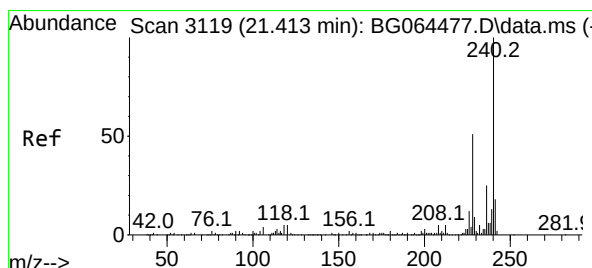
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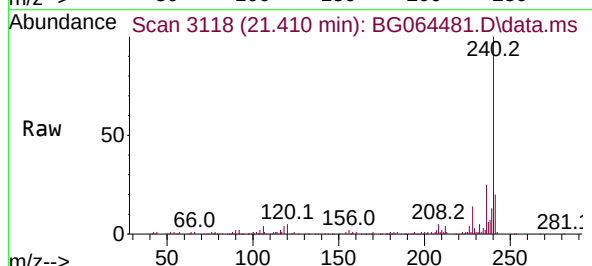


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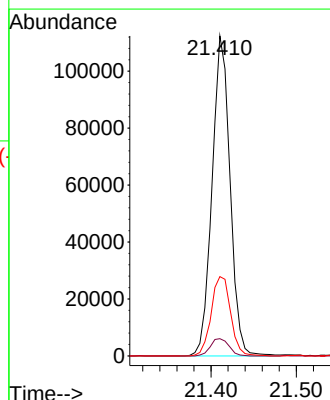
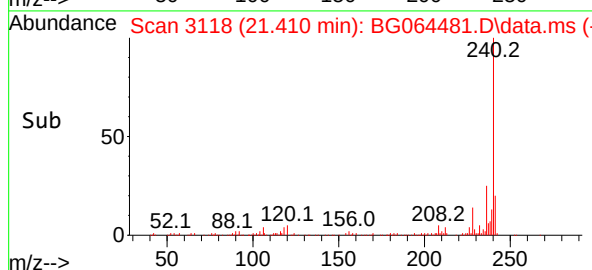
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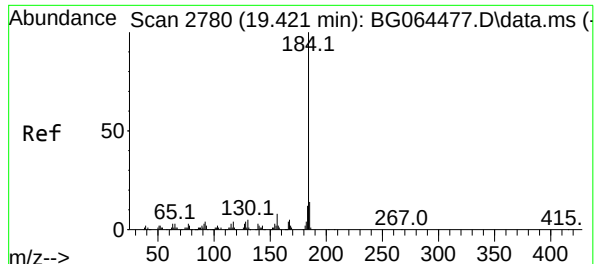


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



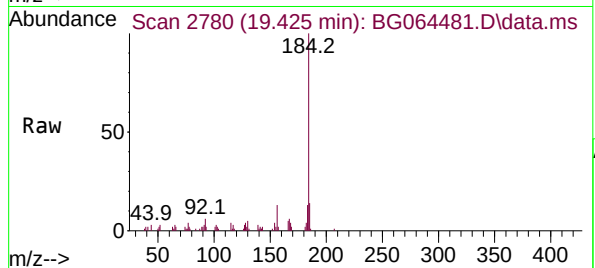
Tgt Ion:240 Resp: 164846
Ion Ratio Lower Upper
240 100
120 5.4 4.3 6.5
236 24.8 20.4 30.6





#77
Benzidine
Concen: 7.894 ng
RT: 19.425 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

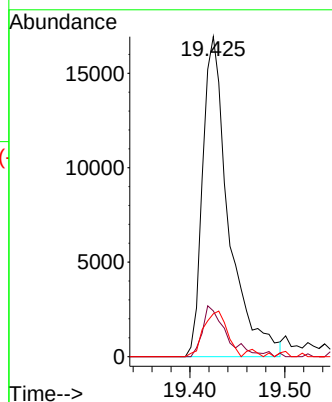
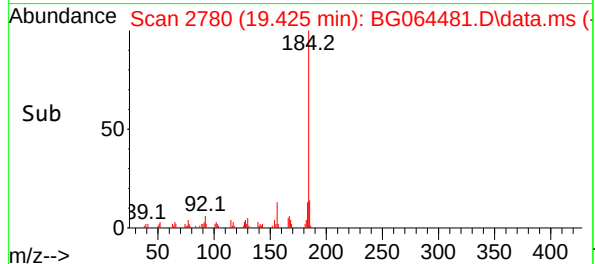
Instrument :
BNA_G
ClientSampleId :
SSTDIC010



Tgt Ion:184 Resp: 32380
Ion Ratio Lower Upper
184 100
185 14.3 10.9 16.3
183 13.4 9.8 14.6

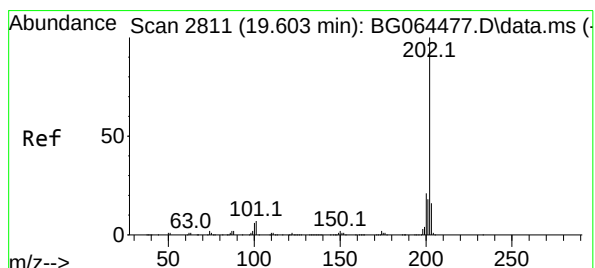
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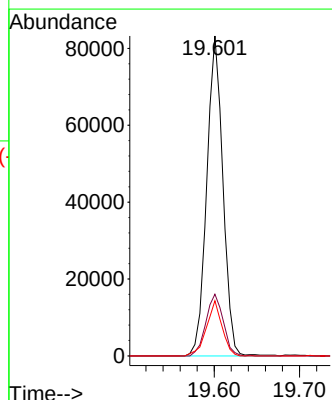
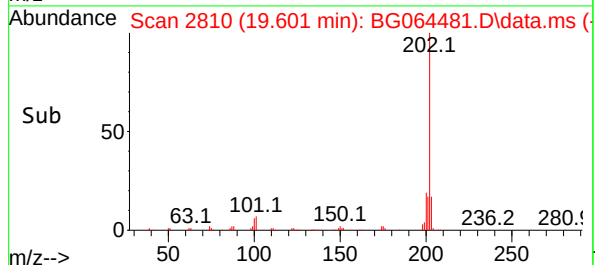
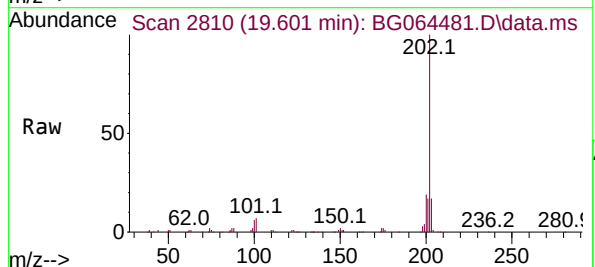
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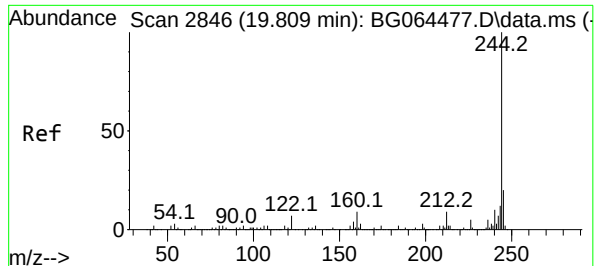
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#78
Pyrene
Concen: 10.242 ng
RT: 19.601 min Scan# 2810
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

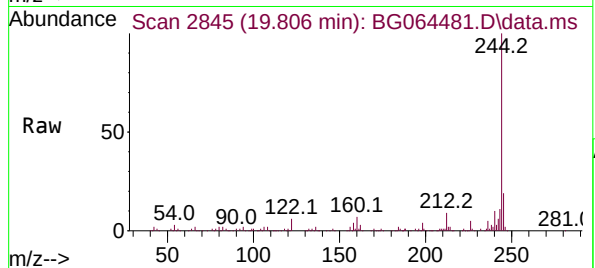
Tgt Ion:202 Resp: 109573
Ion Ratio Lower Upper
202 100
200 19.3 17.0 25.4
203 17.2 13.0 19.4





#79
Terphenyl-d14
Concen: 20.088 ng
RT: 19.806 min Scan# 2846
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

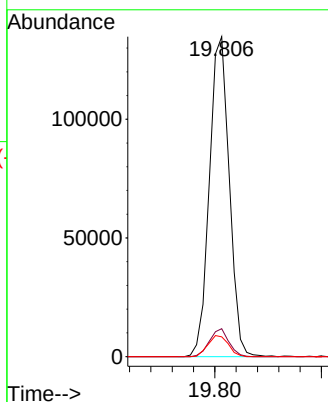
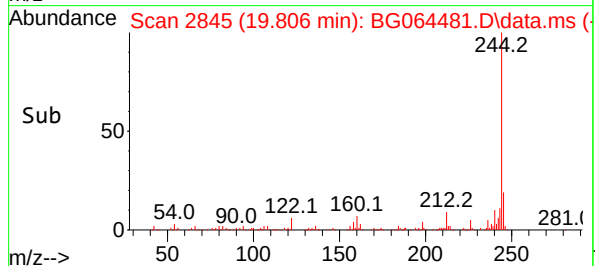
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:244 Resp: 174972
Ion Ratio Lower Upper
244 100
212 8.7 7.0 10.6
122 6.2 5.6 8.4

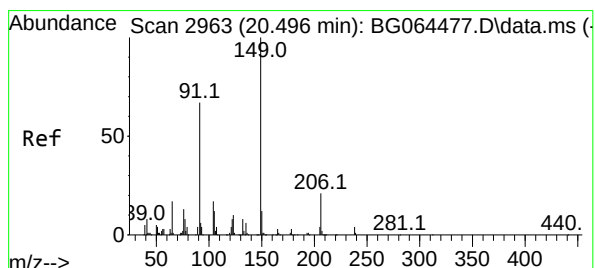
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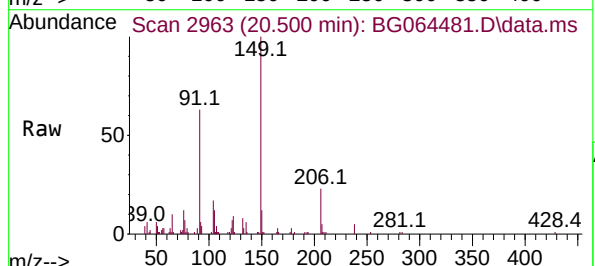


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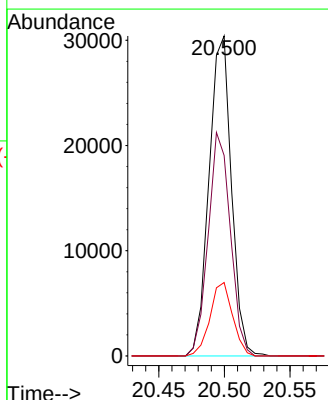
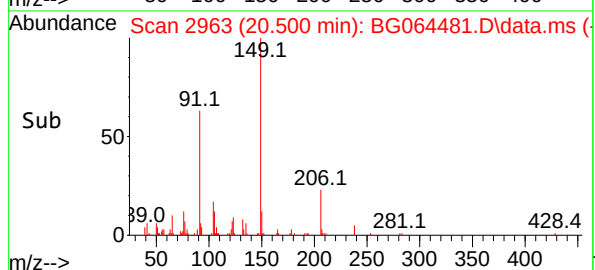
10/03/2025

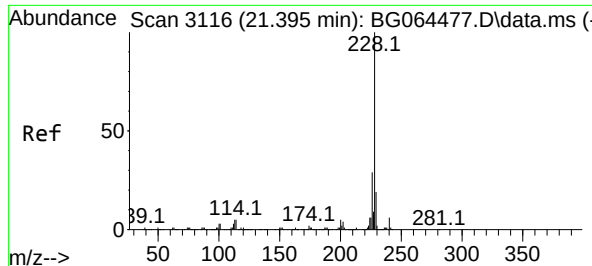


#80
Butylbenzylphthalate
Concen: 9.522 ng
RT: 20.500 min Scan# 2963
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



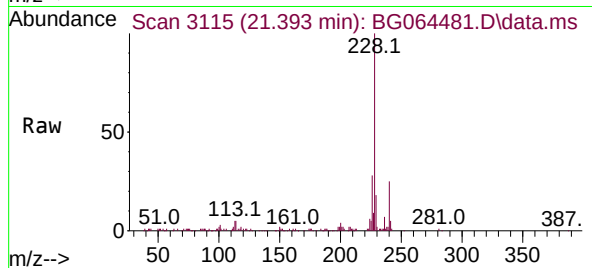
Tgt Ion:149 Resp: 36112
Ion Ratio Lower Upper
149 100
91 62.6 53.7 80.5
206 22.9 16.6 24.8





#81
Benzo(a)anthracene
Concen: 9.700 ng
RT: 21.393 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

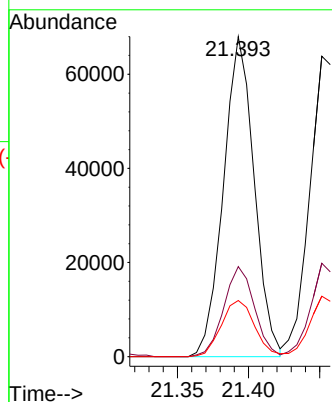
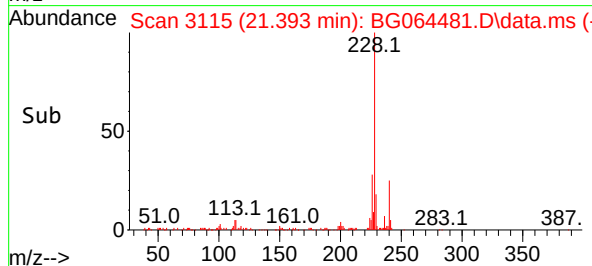
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 102096
Ion Ratio Lower Upper
228 100
226 28.1 22.8 34.2
229 17.5 15.2 22.8

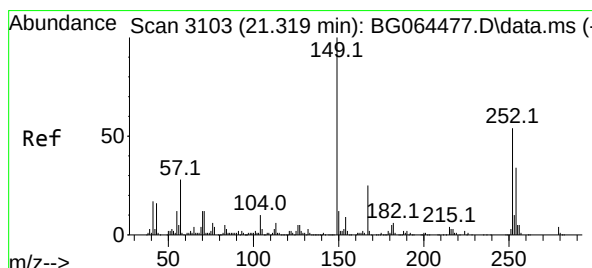
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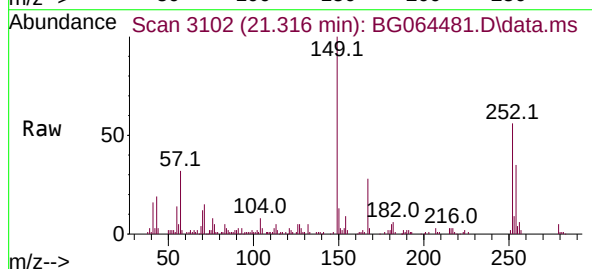


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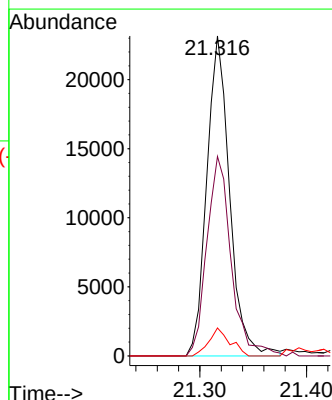
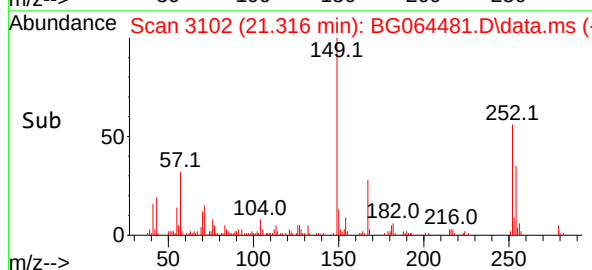
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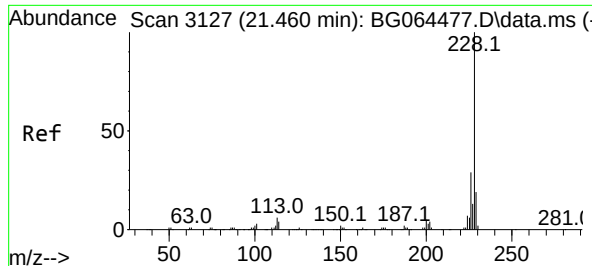


#82
3,3'-Dichlorobenzidine
Concen: 9.670 ng
RT: 21.316 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



Tgt Ion:252 Resp: 34449
Ion Ratio Lower Upper
252 100
254 62.3 50.5 75.7
126 8.7 7.1 10.7





#83

Chrysene

Concen: 9.908 ng

RT: 21.452 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

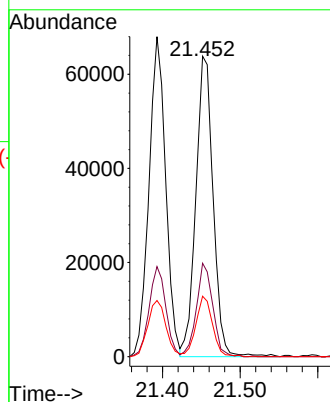
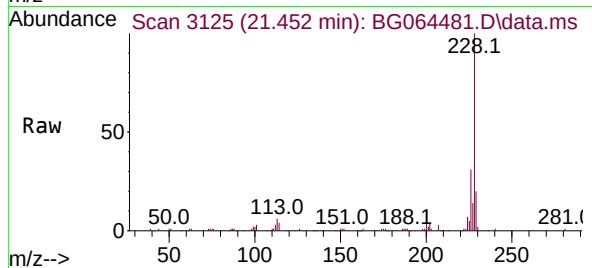
Instrument :

BNA_G

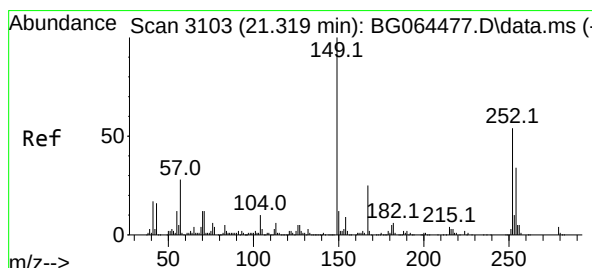
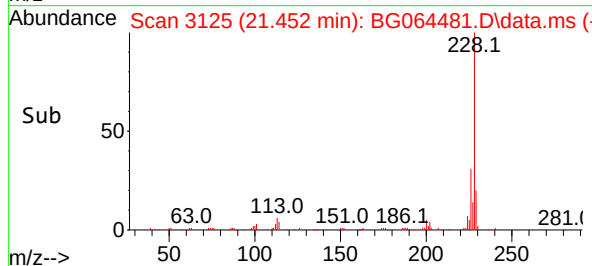
ClientSampleId :

SSTDICC010

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.8	34.2
229	20.1	15.4	23.0

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Supervised By :Jagrut
Upadhyay

10/03/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.814 ng

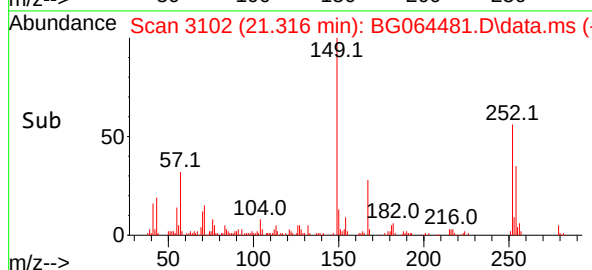
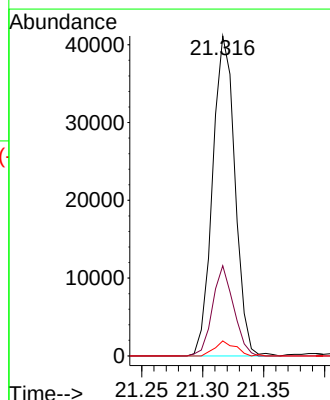
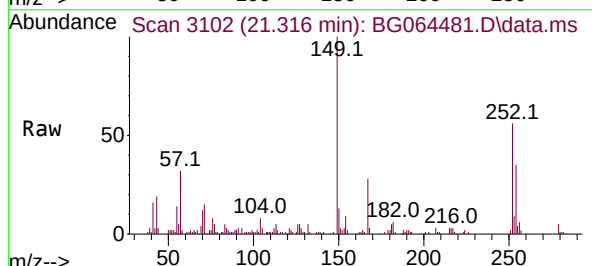
RT: 21.316 min Scan# 3102

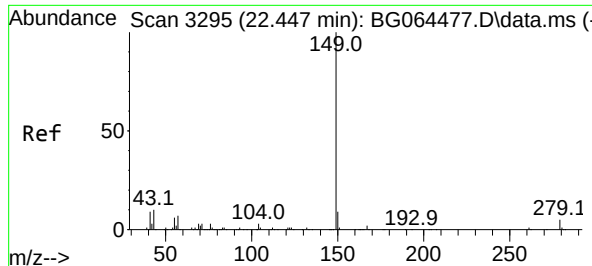
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

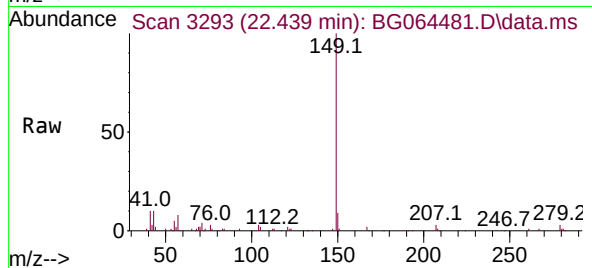
Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	19.7	29.5
279	4.7	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 9.673 ng
RT: 22.439 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

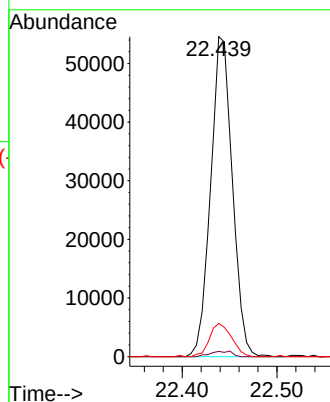
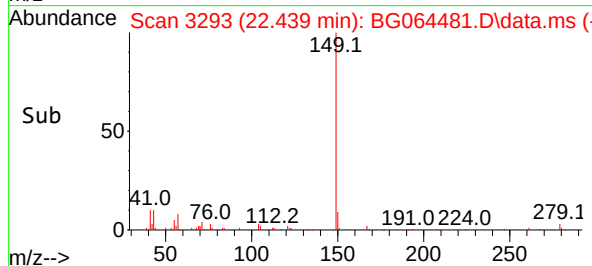
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:149 Resp: 86988
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 10.5 7.9 11.9

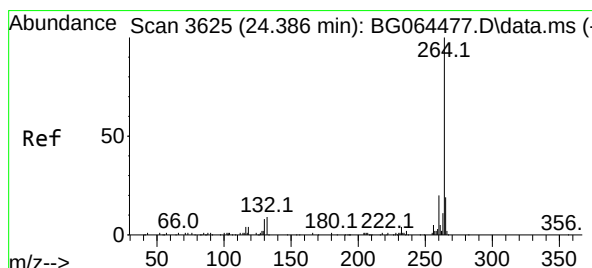
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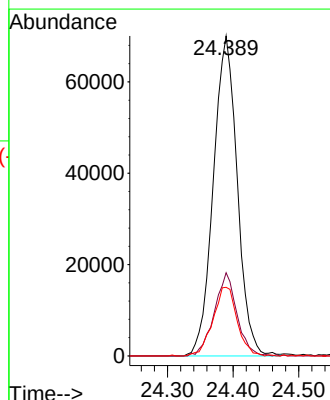
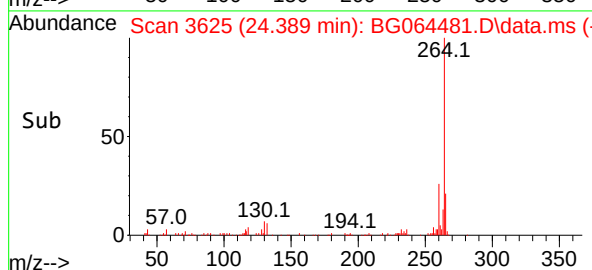
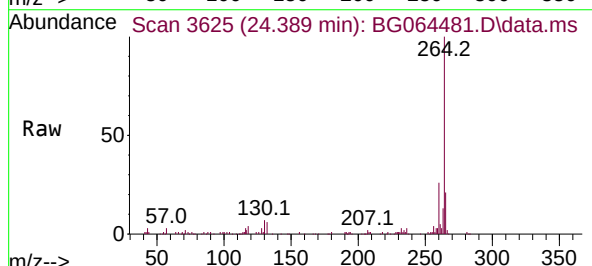
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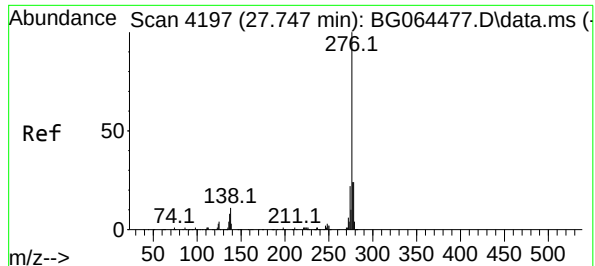
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.389 min Scan# 3625
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

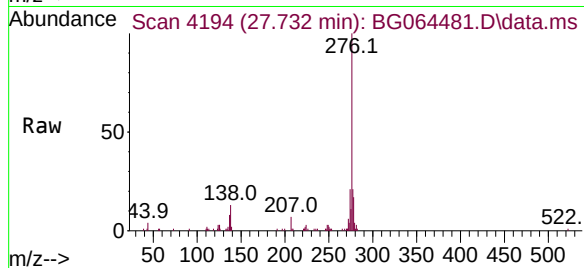
Tgt Ion:264 Resp: 177771
Ion Ratio Lower Upper
264 100
260 26.0 16.2 24.4#
265 21.5 15.0 22.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.480 ng
RT: 27.732 min Scan# 4194
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

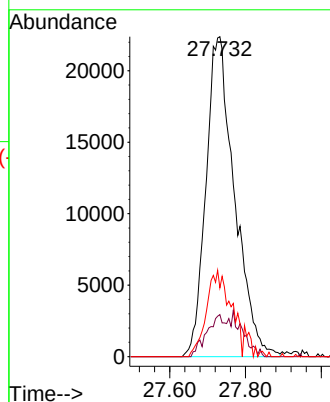
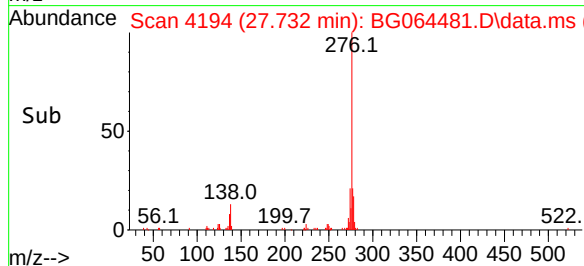
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion: 276 Resp: 117303
Ion Ratio Lower Upper
276 100
138 8.5 10.8 16.2
277 9.6 20.3 30.5

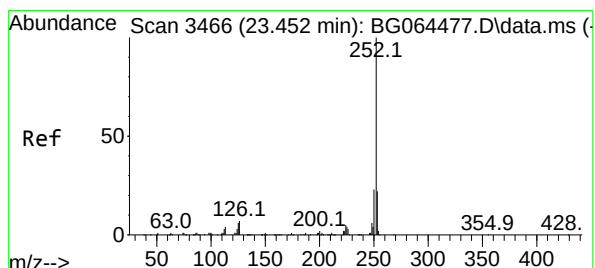
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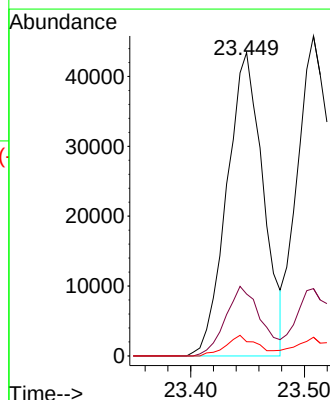
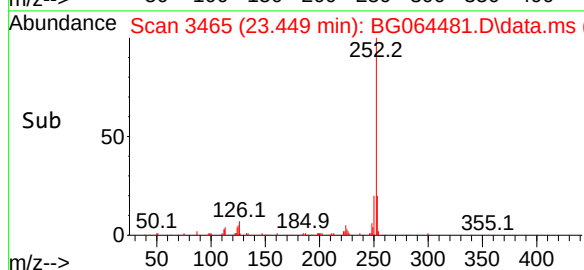
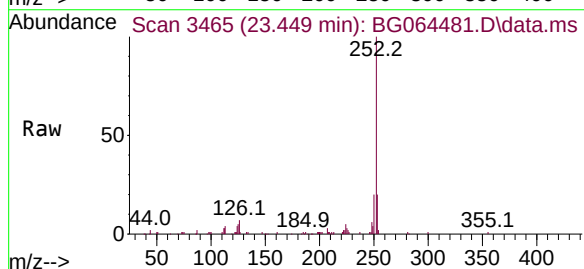
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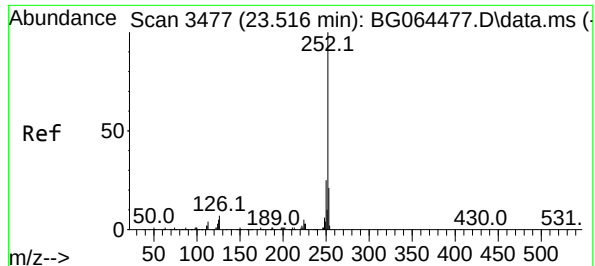
10/03/2025



#88
Benzo(b)fluoranthene
Concen: 9.525 ng
RT: 23.449 min Scan# 3465
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 252 Resp: 96327
Ion Ratio Lower Upper
252 100
253 20.4 17.5 26.3
125 4.7 4.5 6.7





#89

Benzo(k)fluoranthene

Concen: 9.442 ng

RT: 23.508 min Scan# 3475

Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

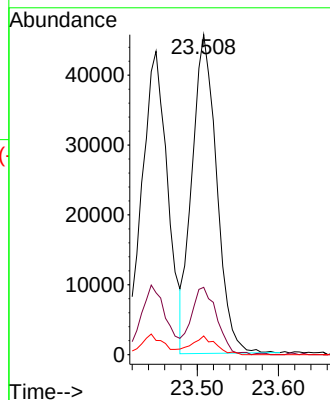
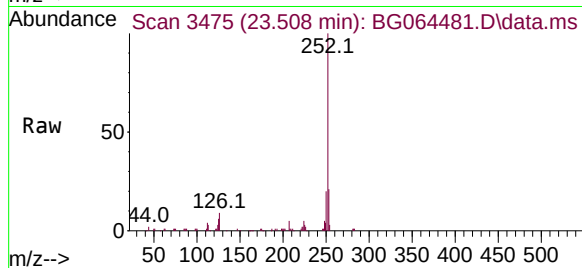
Instrument :

BNA_G

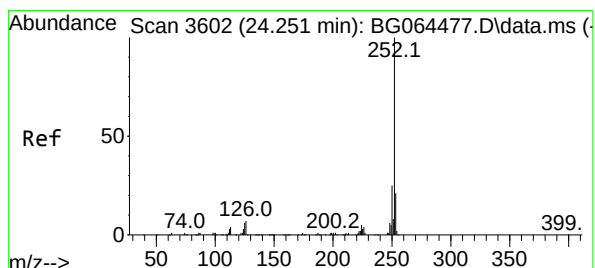
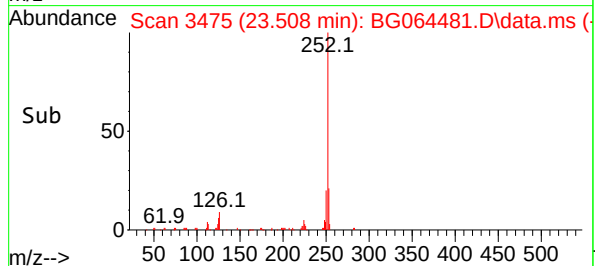
ClientSampleId :

SSTDICC010

Tgt Ion:252	Resp:	96178
Ion Ratio	Lower	Upper
252	100	
253	21.0	17.4 26.2
125	5.8	4.0 6.0

Manual Integrations
APPROVEDReviewed By :Rahul
Chavli10/03/2025
Supervised By :Jagrut
Upadhyay

10/03/2025



#90

Benzo(a)pyrene

Concen: 9.529 ng

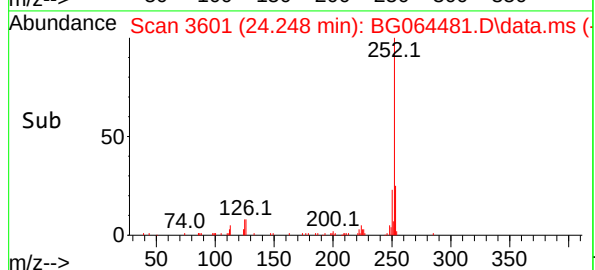
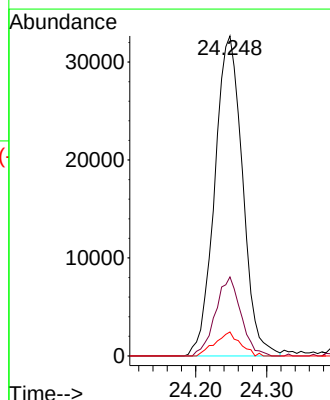
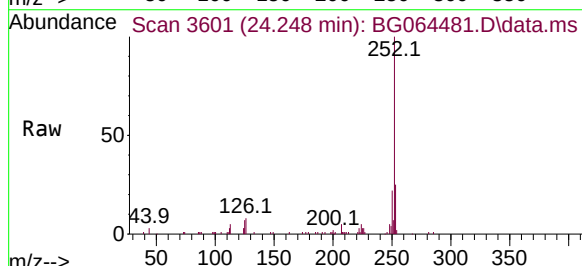
RT: 24.248 min Scan# 3601

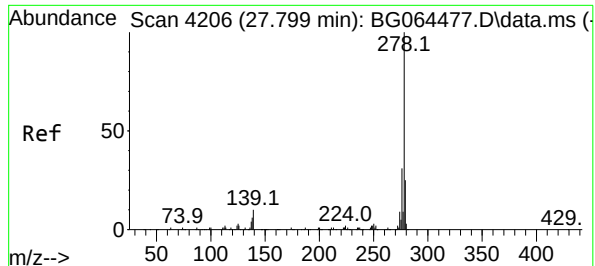
Delta R.T. 0.000 min

Lab File: BG064481.D

Acq: 2 Oct 2025 15:49

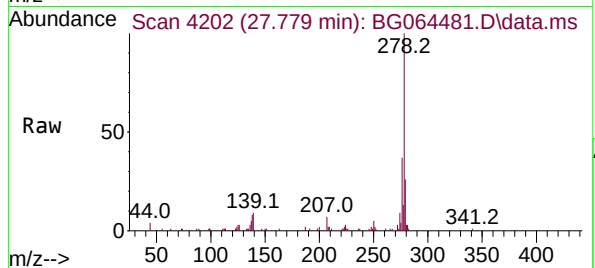
Tgt Ion:252	Resp:	88822
Ion Ratio	Lower	Upper
252	100	
253	24.7	17.1 25.7
125	7.5	4.6 6.8#





#91
Dibenzo(a,h)anthracene
Concen: 9.457 ng
RT: 27.779 min Scan# 41
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

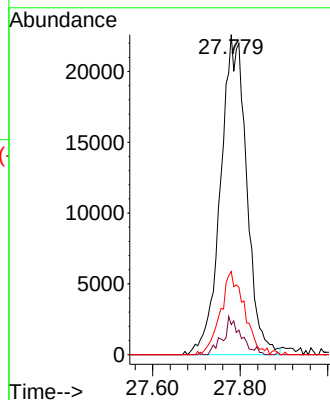
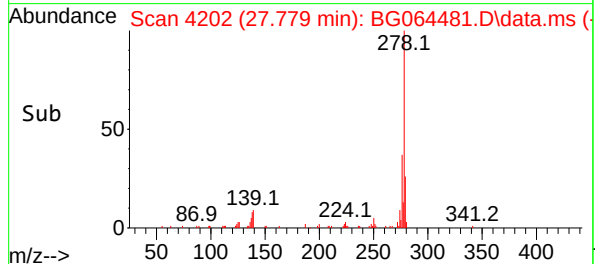
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:278 Resp: 93585
Ion Ratio Lower Upper
278 100
139 9.4 8.2 12.2
279 26.0 19.6 29.4

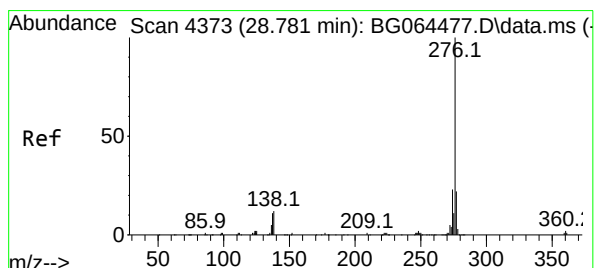
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

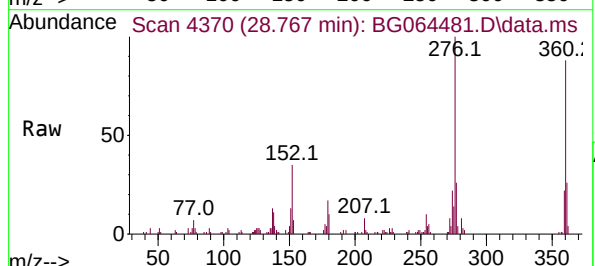


10/03/2025
Supervised By :Jagrut
Upadhyay

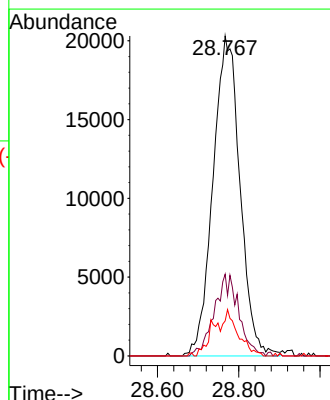
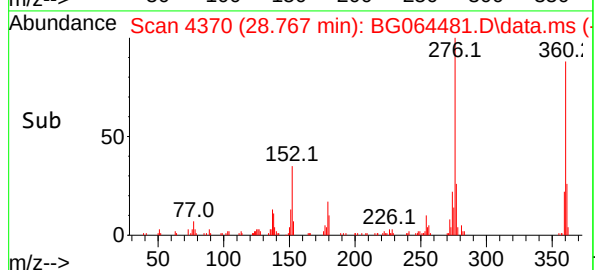
10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 9.735 ng
RT: 28.767 min Scan# 4370
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49



Tgt Ion:276 Resp: 93612
Ion Ratio Lower Upper
276 100
277 25.5 17.8 26.6
138 15.1 9.4 14.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064482.D
 Acq On : 2 Oct 2025 18:09
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 18:56:29 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	15318	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	68102	20.000	ng	0.00
39) Acenaphthene-d10	14.448	164	53704	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	136982	20.000	ng	0.00
76) Chrysene-d12	21.416	240	140392	20.000	ng	0.00
86) Perylene-d12	24.389	264	148372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	62374	75.359	ng	0.00
7) Phenol-d6	6.998	99	86196	77.494	ng	0.01
23) Nitrobenzene-d5	8.978	82	92457	72.999	ng	0.01
42) 2,4,6-Tribromophenol	15.940	330	74669	76.705	ng	0.00
45) 2-Fluorobiphenyl	13.073	172	271576	74.539	ng	0.00
79) Terphenyl-d14	19.806	244	564322	76.071	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.326	88	12001	36.657	ng	96
3) Pyridine	3.713	79	31163	35.418	ng	97
4) n-Nitrosodimethylamine	3.631	42	24896	39.031	ng	91
6) Aniline	7.151	93	57677	41.109	ng	98
8) 2-Chlorophenol	7.391	128	37701	37.094	ng	96
9) Benzaldehyde	6.963	77	31860	32.268	ng	96
10) Phenol	7.021	94	45072	38.413	ng	99
11) bis(2-Chloroethyl)ether	7.250	93	29672	37.341	ng	99
12) 1,3-Dichlorobenzene	7.715	146	41698	37.504	ng	94
13) 1,4-Dichlorobenzene	7.856	146	44492	39.872	ng	97
14) 1,2-Dichlorobenzene	8.173	146	42303	38.466	ng	96
15) Benzyl Alcohol	8.061	79	41748	40.756	ng	88
16) 2,2'-oxybis(1-Chloropr...	8.349	45	48934	38.204	ng	93
17) 2-Methylphenol	8.267	107	32757	38.553	ng	96
18) Hexachloroethane	8.901	117	16683	37.877	ng	92
19) n-Nitroso-di-n-propyla...	8.625	70	30487	40.984	ng	# 92
20) 3+4-Methylphenols	8.596	107	46114	38.893	ng	92
22) Acetophenone	8.637	105	65802	39.906	ng	# 98
24) Nitrobenzene	9.019	77	46946	37.170	ng	95
25) Isophorone	9.542	82	89937	39.198	ng	# 97
26) 2-Nitrophenol	9.724	139	22245	35.388	ng	# 84
27) 2,4-Dimethylphenol	9.789	122	40285	41.959	ng	97
28) bis(2-Chloroethoxy)met...	10.024	93	45075	38.540	ng	98
29) 2,4-Dichlorophenol	10.259	162	43141	38.857	ng	86
30) 1,2,4-Trichlorobenzene	10.476	180	46901	38.743	ng	97
31) Naphthalene	10.658	128	134984	38.491	ng	97
32) Benzoic acid	9.941	122	29650m	40.223	ng	
33) 4-Chloroaniline	10.770	127	57575	42.784	ng	91
34) Hexachlorobutadiene	10.952	225	37931	36.587	ng	93
35) Caprolactam	11.534	113	14752	38.812	ng	94
36) 4-Chloro-3-methylphenol	11.898	107	51832	38.389	ng	96
37) 2-Methylnaphthalene	12.268	142	94732	35.191	ng	97
38) 1-Methylnaphthalene	12.491	142	99137	36.933	ng	100
40) 1,2,4,5-Tetrachloroben...	12.644	216	66779	38.511	ng	98
41) Hexachlorocyclopentadiene	12.621	237	45790	50.483	ng	91
43) 2,4,6-Trichlorophenol	12.879	196	43264	39.030	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064482.D
 Acq On : 2 Oct 2025 18:09
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 18:56:29 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 02 16:40:42 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.955	196	46812	37.827	ng	90
46) 1,1'-Biphenyl	13.285	154	149616	38.735	ng	98
47) 2-Chloronaphthalene	13.326	162	108769	37.716	ng	95
48) 2-Nitroaniline	13.531	65	38535	39.151	ng	98
49) Acenaphthylene	14.172	152	187686	43.842	ng	97
50) Dimethylphthalate	13.907	163	159424	37.903	ng	97
51) 2,6-Dinitrotoluene	14.025	165	33945	38.742	ng	92
52) Acenaphthene	14.512	154	109054	36.666	ng	98
53) 3-Nitroaniline	14.354	138	32910	40.727	ng	97
54) 2,4-Dinitrophenol	14.559	184	21309	33.540	ng	# 81
55) Dibenzofuran	14.847	168	187307	38.141	ng	97
56) 4-Nitrophenol	14.671	139	25265	39.712	ng	87
57) 2,4-Dinitrotoluene	14.812	165	52757	39.388	ng	98
58) Fluorene	15.500	166	161086	39.456	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.077	232	50545	40.021	ng	100
60) Diethylphthalate	15.276	149	172891	38.317	ng	97
61) 4-Chlorophenyl-phenyle...	15.494	204	81203	36.432	ng	98
62) 4-Nitroaniline	15.517	138	34897	41.435	ng	92
63) Azobenzene	15.787	77	134722	38.553	ng	98
65) 4,6-Dinitro-2-methylph...	15.582	198	36085	37.834	ng	92
66) n-Nitrosodiphenylamine	15.705	169	137047	37.465	ng	93
67) 4-Bromophenyl-phenylether	16.387	248	59351	36.819	ng	95
68) Hexachlorobenzene	16.504	284	67918	36.821	ng	96
69) Atrazine	16.657	200	68476	42.076	ng	98
70) Pentachlorophenol	16.845	266	38853	36.025	ng	91
71) Phenanthrene	17.233	178	265823	37.108	ng	96
72) Anthracene	17.321	178	274231	38.159	ng	99
73) Carbazole	17.591	167	246445	39.673	ng	99
74) Di-n-butylphthalate	18.155	149	294614	38.852	ng	99
75) Fluoranthene	19.242	202	331530	38.739	ng	100
77) Benzidine	19.424	184	152917	43.772	ng	98
78) Pyrene	19.601	202	335798	36.856	ng	99
80) Butylbenzylphthalate	20.500	149	121325	37.565	ng	98
81) Benzo(a)anthracene	21.393	228	339443	37.867	ng	98
82) 3,3'-Dichlorobenzidine	21.316	252	128504	42.355	ng	97
83) Chrysene	21.457	228	309731	36.434	ng	97
84) Bis(2-ethylhexyl)phtha...	21.316	149	168982	37.082	ng	99
85) Di-n-octyl phthalate	22.444	149	281232	36.720	ng	100
87) Indeno(1,2,3-cd)pyrene	27.738	276	390549	37.816	ng	99
88) Benzo(b)fluoranthene	23.449	252	315880	37.423	ng	99
89) Benzo(k)fluoranthene	23.514	252	337015	39.643	ng	99
90) Benzo(a)pyrene	24.254	252	307034	39.468	ng	98
91) Dibenzo(a,h)anthracene	27.791	278	318677	38.585	ng	96
92) Benzo(g,h,i)perylene	28.784	276	317018	39.498	ng	97

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

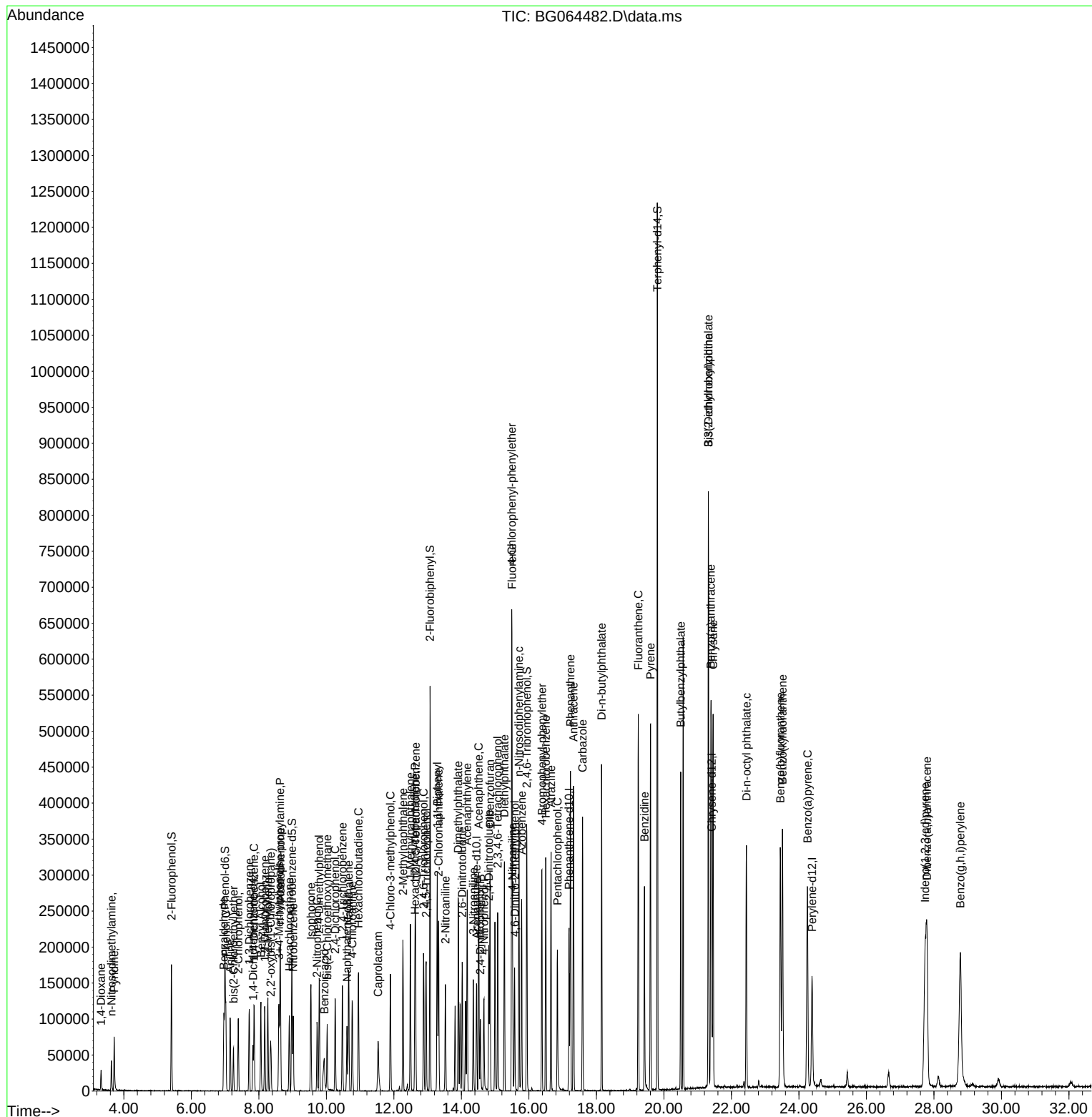
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Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

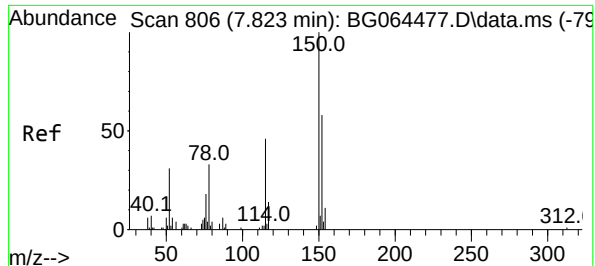
Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

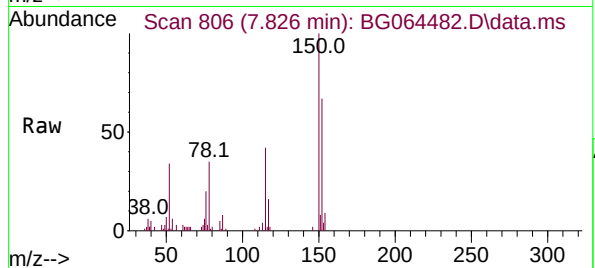
Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.826 min Scan# 80
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

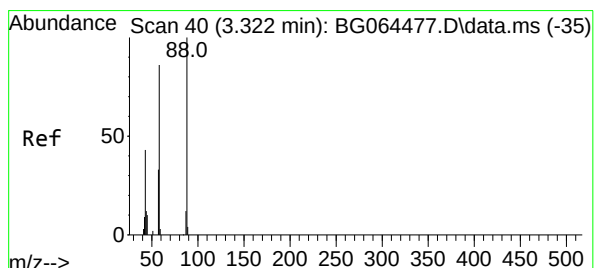
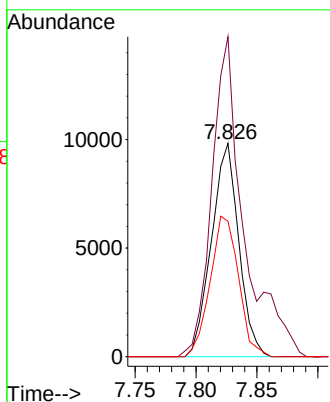
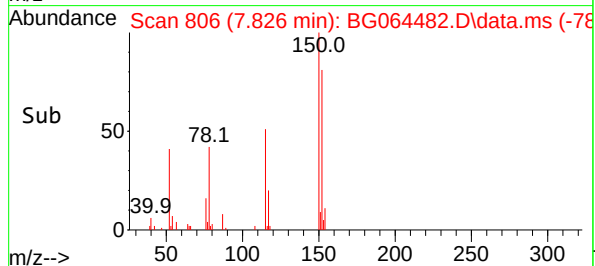
Instrument :
BNA_G
Client SampleId :
ICVBG100225



Tgt Ion: 152 Resp: 15318
Ion Ratio Lower Upper
152 100
150 150.1 138.6 207.8
115 63.5 63.4 95.2

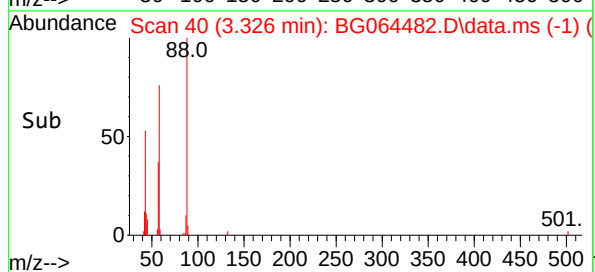
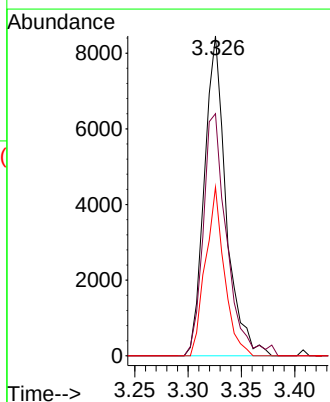
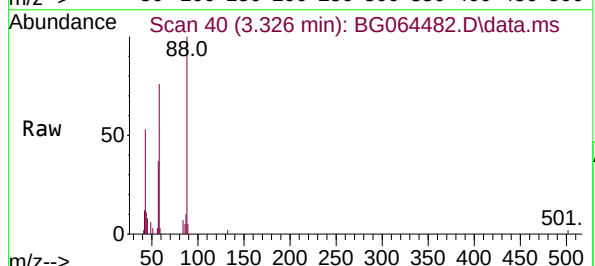
Manual Integrations
APPROVED

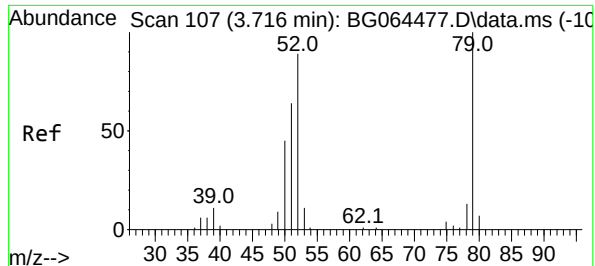
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#2
1,4-Dioxane
Concen: 36.657 ng
RT: 3.326 min Scan# 40
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 88 Resp: 12001
Ion Ratio Lower Upper
88 100
58 81.6 69.8 104.6
43 45.8 37.4 56.0





#3

Pyridine

Concen: 35.418 ng

RT: 3.713 min Scan# 10

Delta R.T. -0.000 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

Tgt Ion: 79 Resp: 31163

Ion Ratio Lower Upper

79 100

52 89.5 71.0 106.4

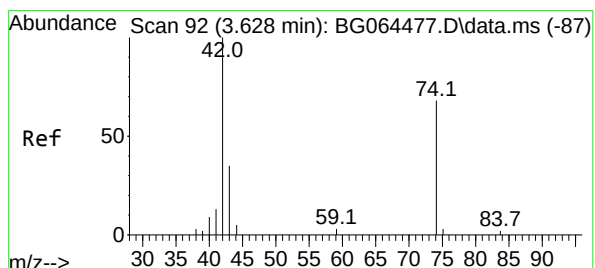
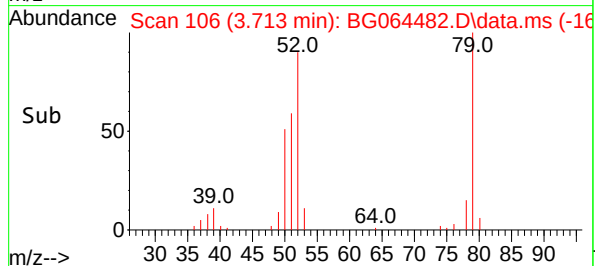
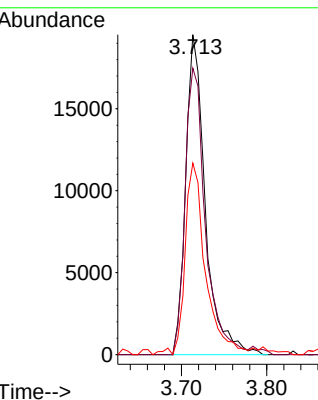
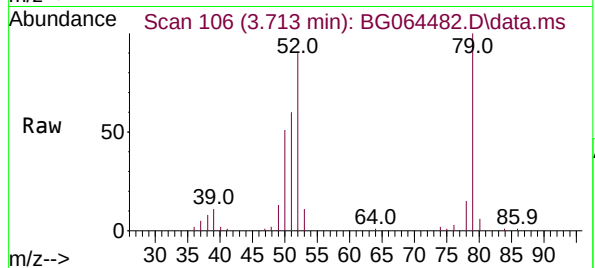
51 59.8 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#4

n-Nitrosodimethylamine

Concen: 39.031 ng

RT: 3.631 min Scan# 92

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

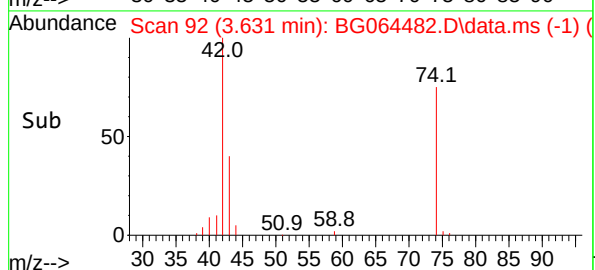
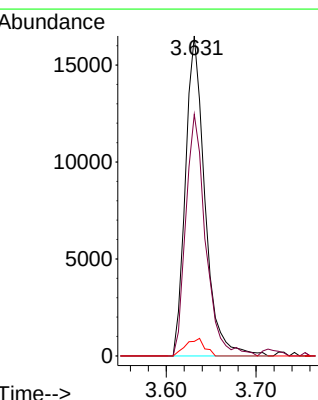
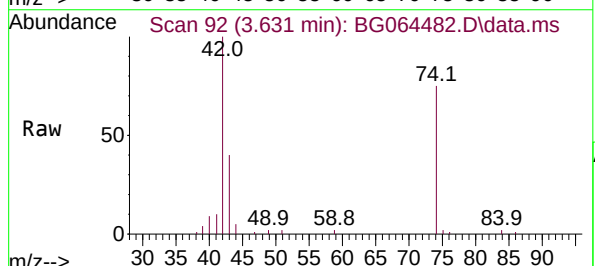
Tgt Ion: 42 Resp: 24896

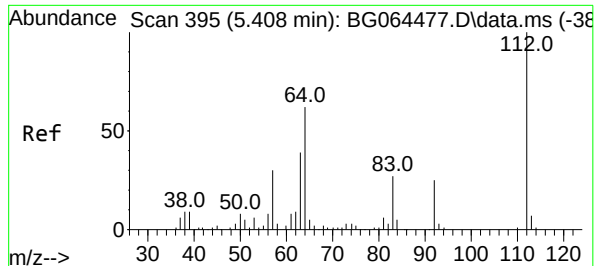
Ion Ratio Lower Upper

42 100

74 75.5 54.2 81.4

44 4.5 4.2 6.2



#5
2-Fluorophenol

Concen: 75.359 ng

RT: 5.411 min Scan# 395

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

Tgt Ion:112 Resp: 62374

Ion Ratio Lower Upper

112 100

64 60.2 49.8 74.8

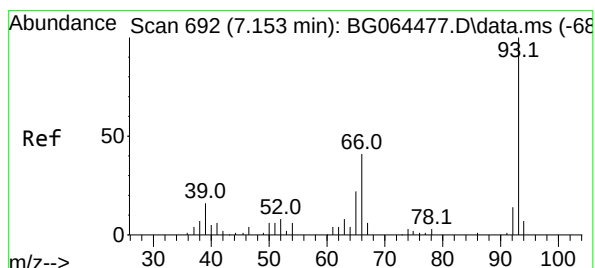
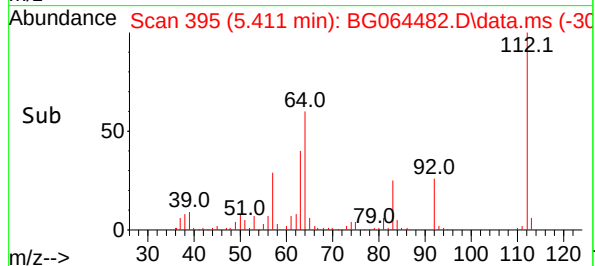
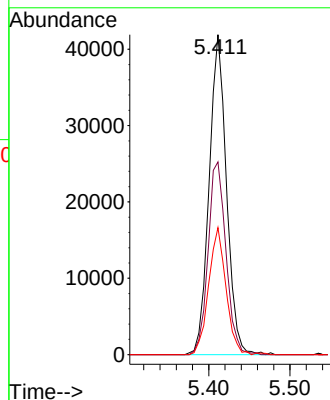
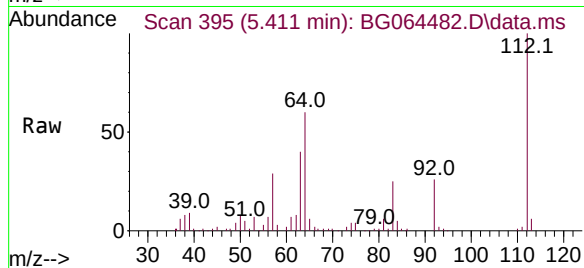
63 39.7 31.3 46.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#6

Aniline

Concen: 41.109 ng

RT: 7.151 min Scan# 691

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

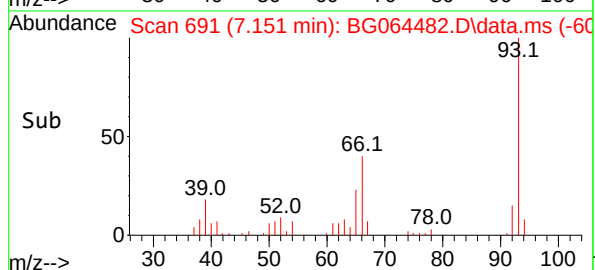
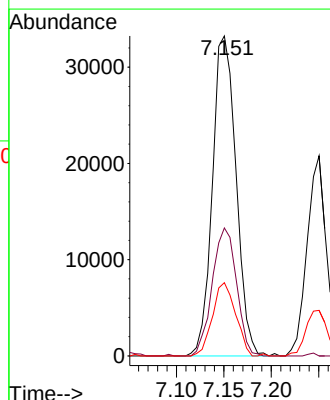
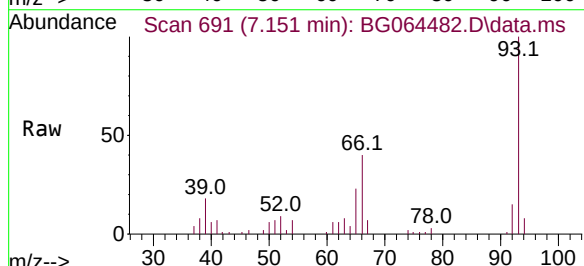
Tgt Ion: 93 Resp: 57677

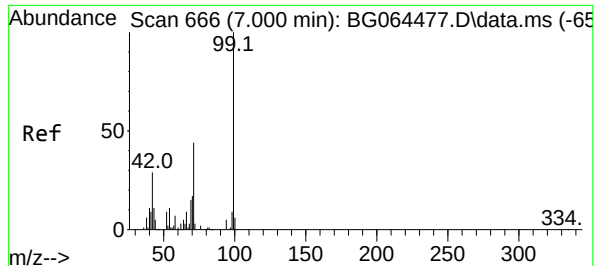
Ion Ratio Lower Upper

93 100

66 40.0 33.0 49.4

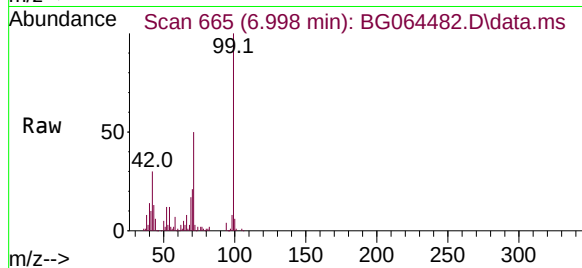
65 22.9 17.5 26.3





#7
Phenol-d6
Concen: 77.494 ng
RT: 6.998 min Scan# 60
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

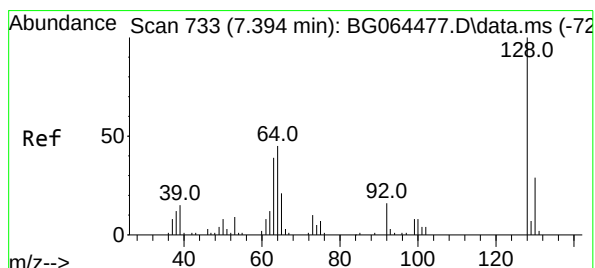
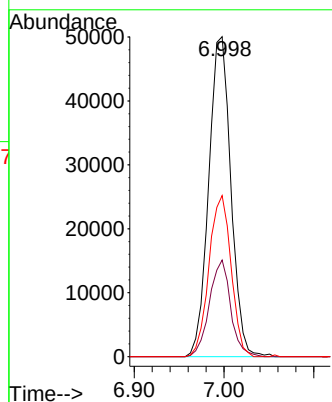
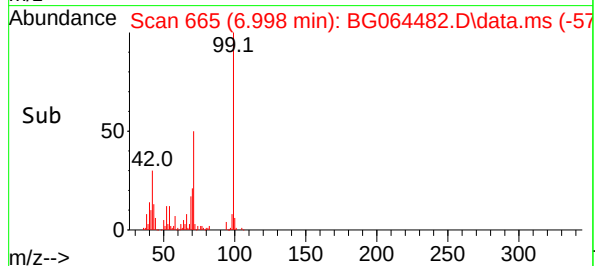
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion: 99 Resp: 86196
Ion Ratio Lower Upper
99 100
42 30.2 22.9 34.3
71 50.3 35.4 53.2

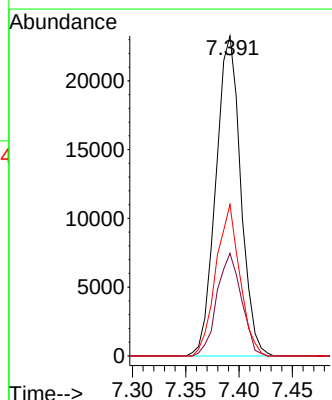
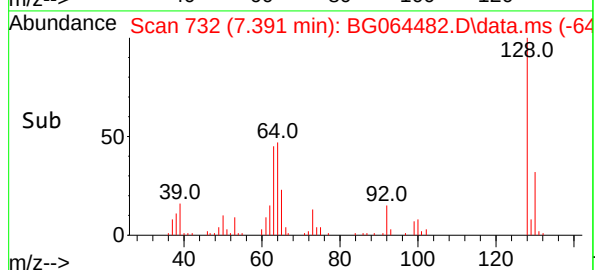
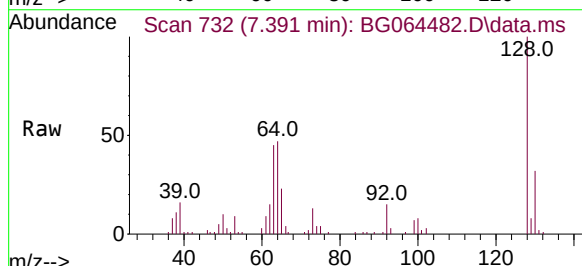
Manual Integrations
APPROVED

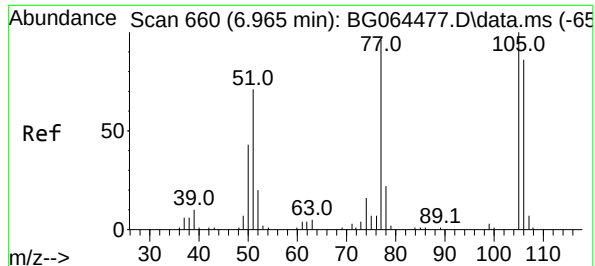
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#8
2-Chlorophenol
Concen: 37.094 ng
RT: 7.391 min Scan# 732
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:128 Resp: 37701
Ion Ratio Lower Upper
128 100
130 32.0 9.2 49.2
64 47.3 25.5 65.5





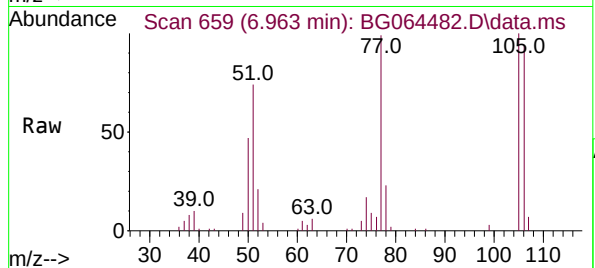
#9
Benzaldehyde
Concen: 32.268 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225



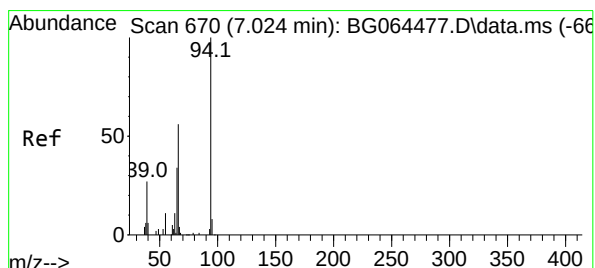
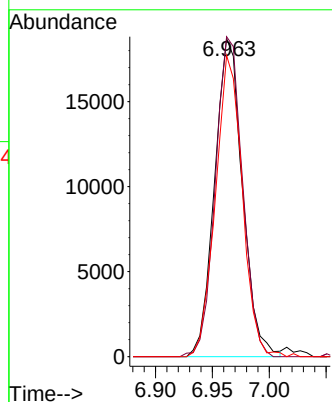
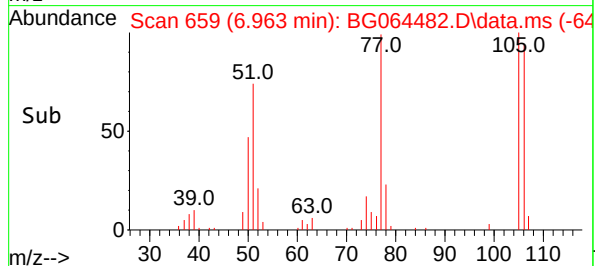
Tgt Ion: 77 Resp: 31860
Ion Ratio Lower Upper
77 100
105 100.6 83.7 123.7
106 94.7 69.4 109.4

Manual Integrations

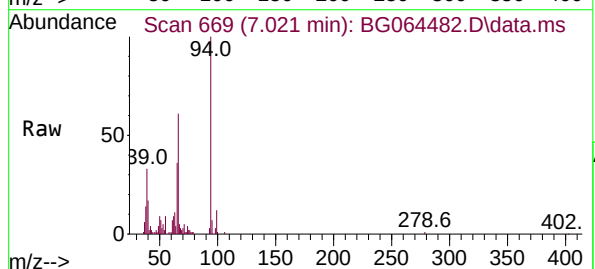
APPROVED

Reviewed By :Rahul Chavli 10/03/2025

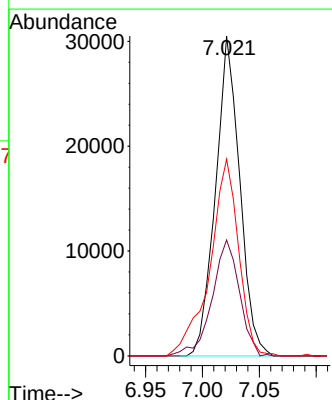
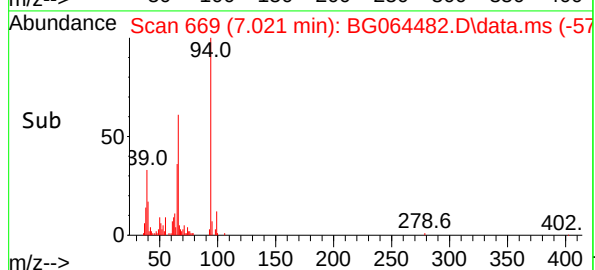
Supervised By :Jagrut Upadhyay 10/03/2025

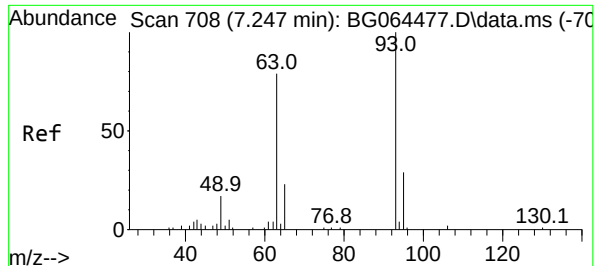


#10
Phenol
Concen: 38.413 ng
RT: 7.021 min Scan# 669
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09



Tgt Ion: 94 Resp: 45072
Ion Ratio Lower Upper
94 100
65 36.2 14.8 54.8
66 61.5 41.4 81.4





#11

bis(2-Chloroethyl)ether

Concen: 37.341 ng

RT: 7.250 min Scan# 708

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

Tgt Ion: 93 Resp: 29672

Ion Ratio Lower Upper

93 100

63 78.5 59.5 99.5

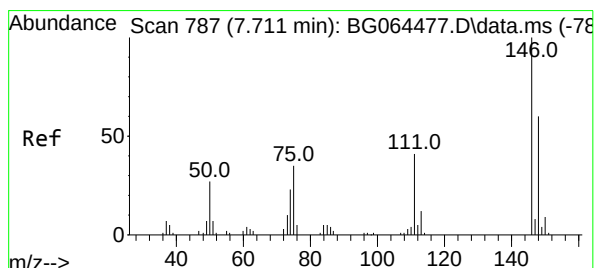
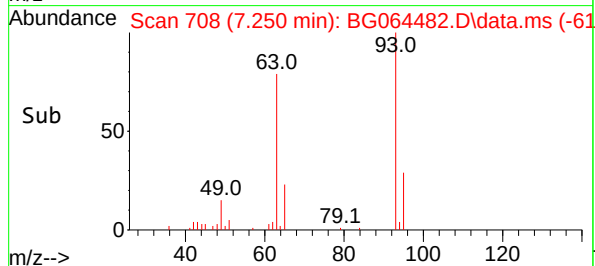
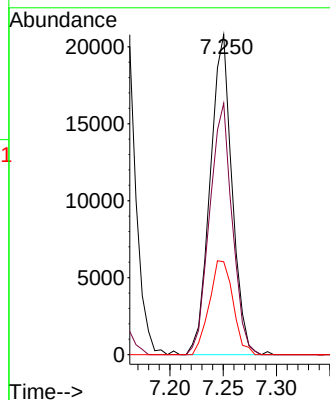
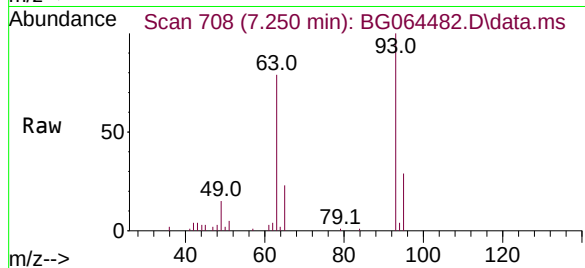
95 29.0 8.8 48.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#12

1,3-Dichlorobenzene

Concen: 37.504 ng

RT: 7.715 min Scan# 787

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

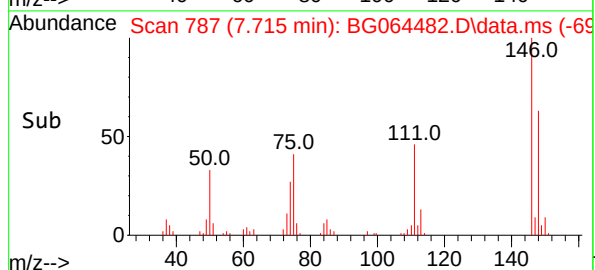
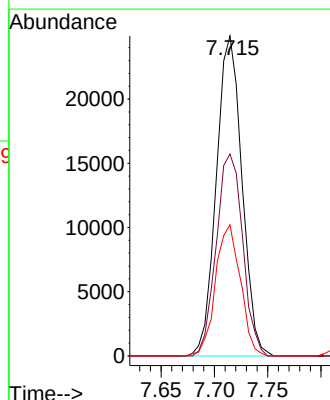
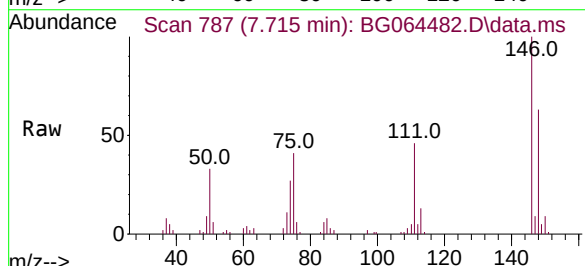
Tgt Ion:146 Resp: 41698

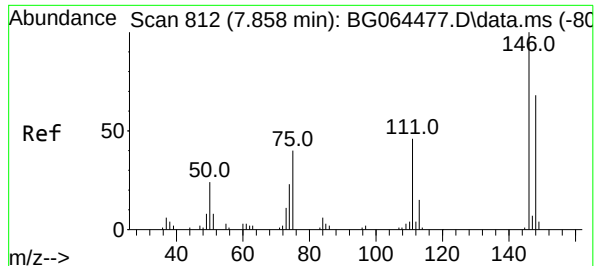
Ion Ratio Lower Upper

146 100

148 63.1 48.4 72.6

75 41.0 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 39.872 ng

RT: 7.856 min Scan# 81

Delta R.T. -0.000 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

Tgt Ion:146 Resp: 44492

Ion Ratio Lower Upper

146 100

148 65.0 54.4 81.6

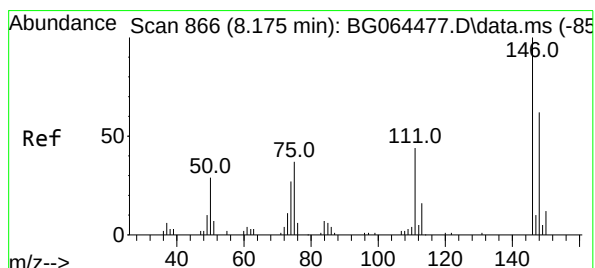
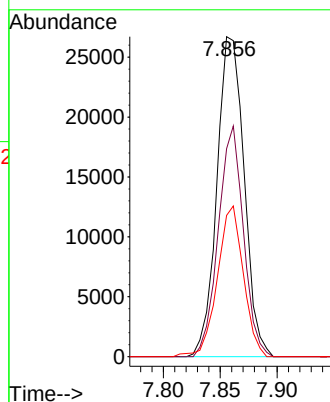
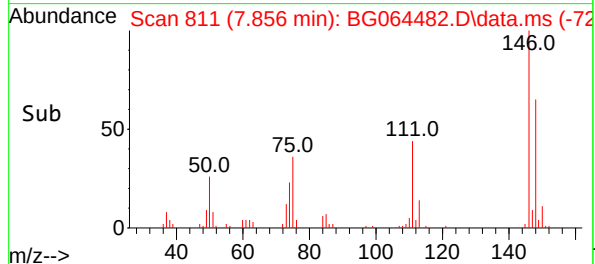
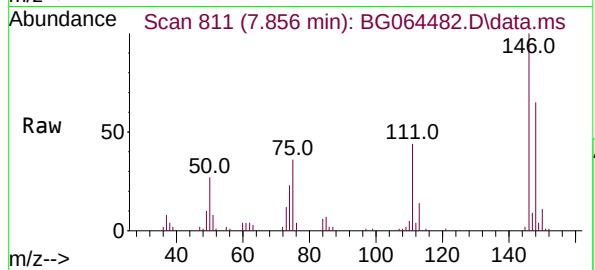
111 44.1 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#14

1,2-Dichlorobenzene

Concen: 38.466 ng

RT: 8.173 min Scan# 865

Delta R.T. -0.000 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

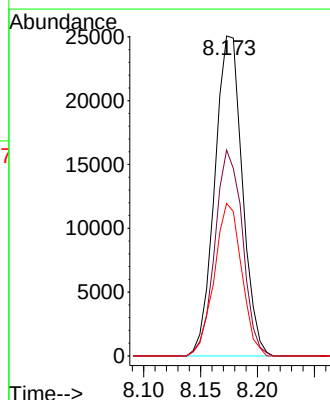
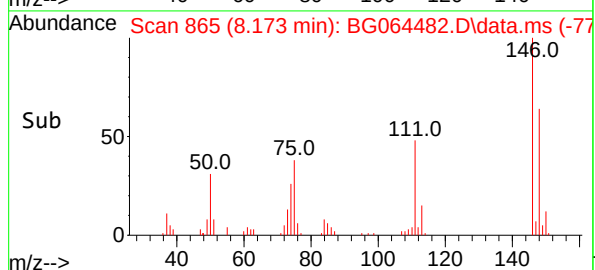
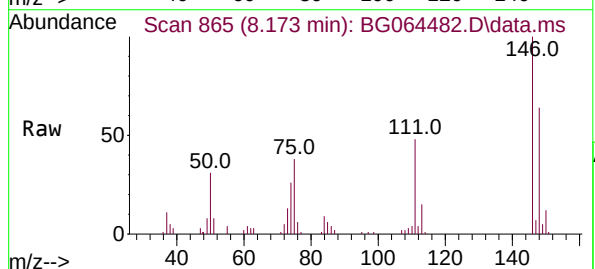
Tgt Ion:146 Resp: 42303

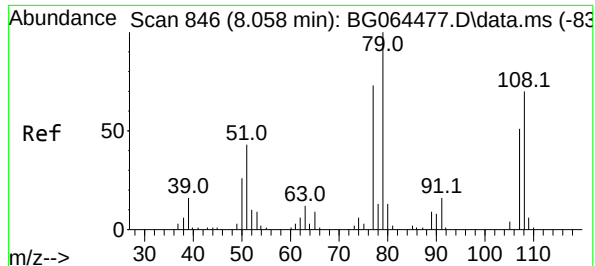
Ion Ratio Lower Upper

146 100

148 64.3 50.0 75.0

111 47.7 35.0 52.4





#15

Benzyl Alcohol

Concen: 40.756 ng

RT: 8.061 min Scan# 846

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

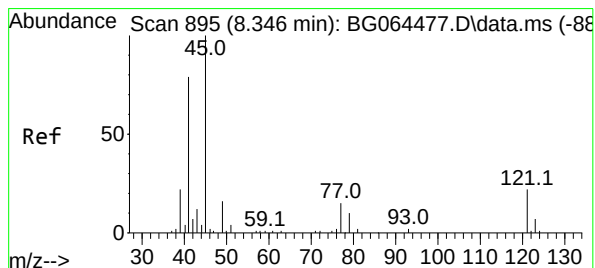
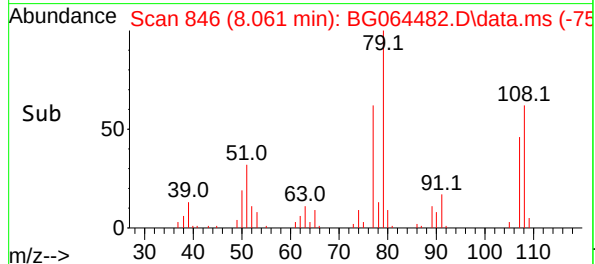
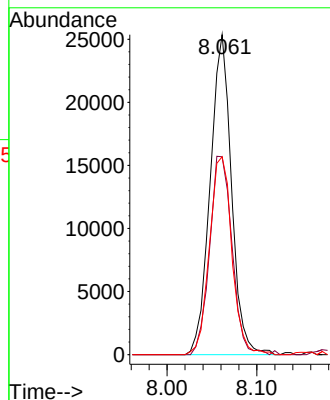
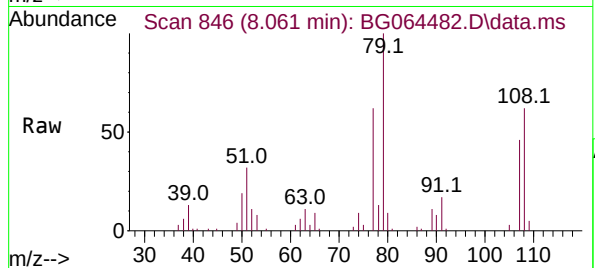
Tgt Ion: 79	Resp: 41748
Ion Ratio	Lower Upper
79 100	
108 61.8	56.4 84.6
77 61.8	58.3 87.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.204 ng

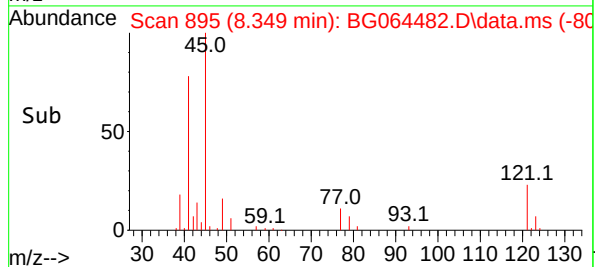
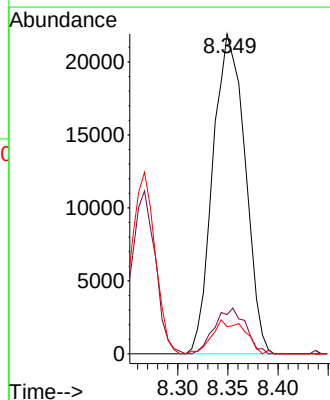
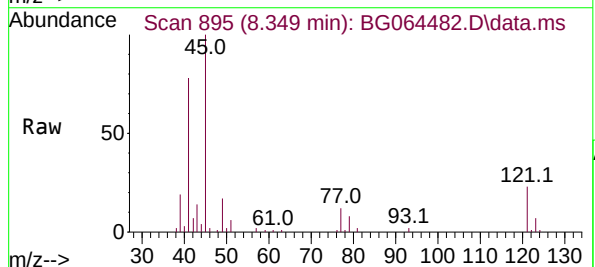
RT: 8.349 min Scan# 895

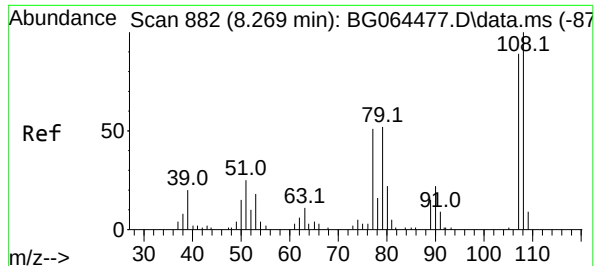
Delta R.T. 0.012 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Tgt Ion: 45	Resp: 48934
Ion Ratio	Lower Upper
45 100	
77 12.3	0.0 35.6
79 8.5	0.0 30.7





#17

2-Methylphenol

Concen: 38.553 ng

RT: 8.267 min Scan# 882

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

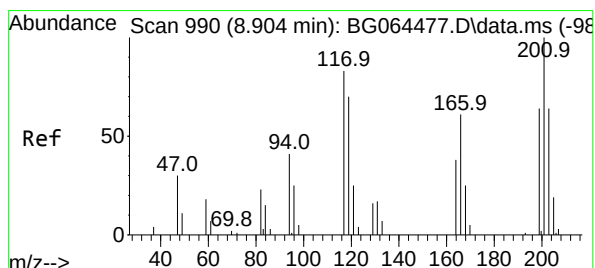
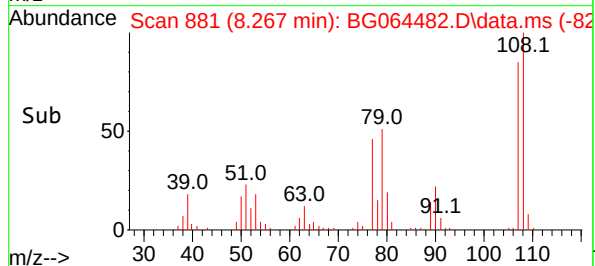
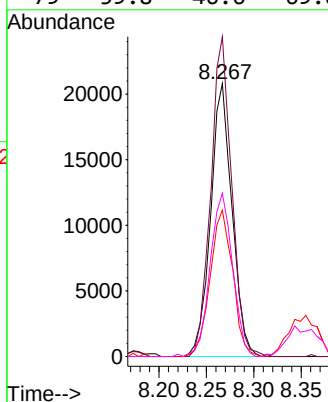
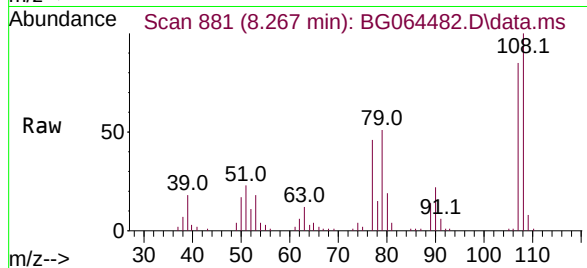
Tgt Ion:	107	Resp:	3275
Ion	Ratio	Lower	Upper
107	100		
108	117.2	90.3	135.5
77	53.7	46.0	69.0
79	59.8	46.6	69.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#18

Hexachloroethane

Concen: 37.877 ng

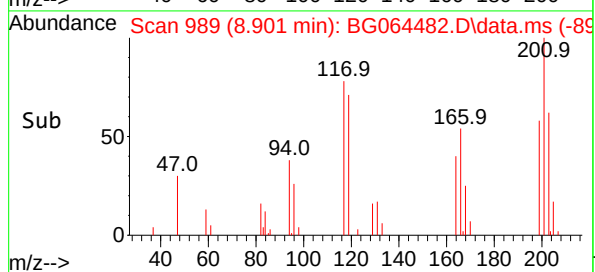
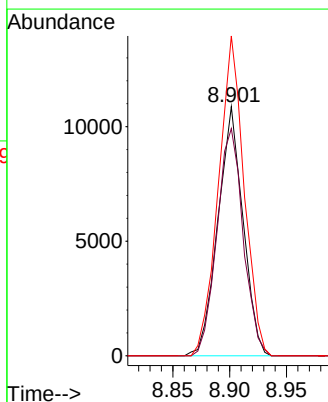
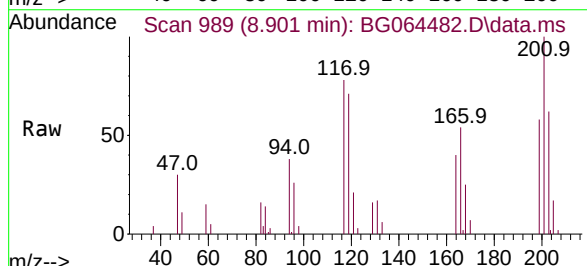
RT: 8.901 min Scan# 989

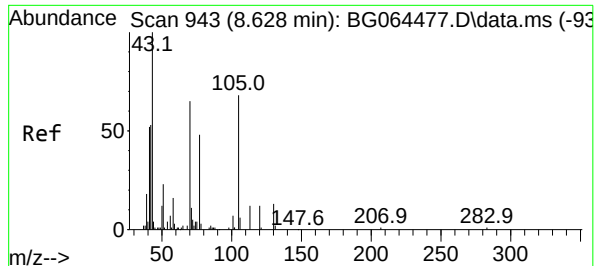
Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Tgt Ion:	117	Resp:	16683
Ion	Ratio	Lower	Upper
117	100		
119	91.2	67.4	101.0
201	128.4	95.9	143.9





#19

n-Nitroso-di-n-propylamine

Concen: 40.984 ng

RT: 8.625 min Scan# 94

Delta R.T. 0.012 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

Tgt Ion: 70 Resp: 3048

Ion Ratio Lower Upper

70 100

42 87.6 64.9 97.3

101 10.9 8.7 13.1

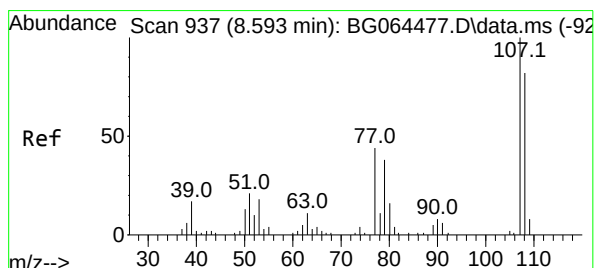
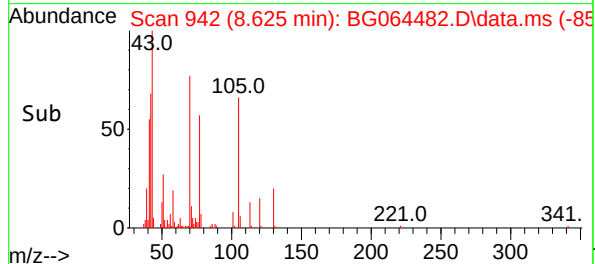
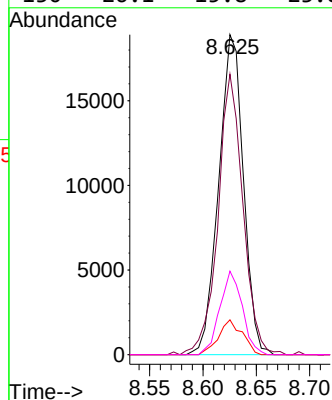
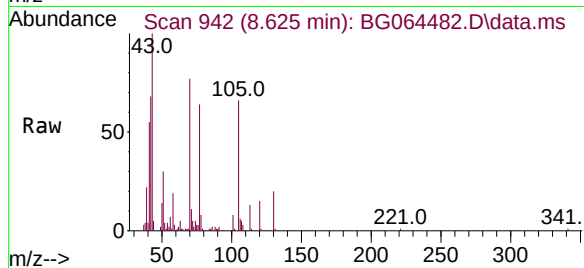
130 26.1 15.8 23.8#

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#20

3+4-Methylphenols

Concen: 38.893 ng

RT: 8.596 min Scan# 937

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Tgt Ion:107 Resp: 46114

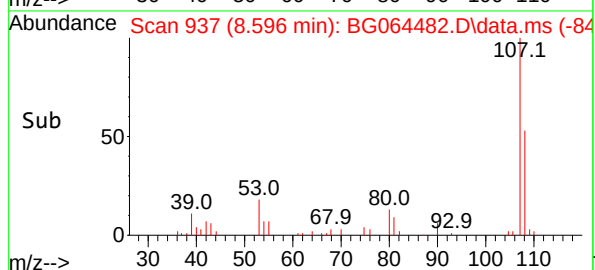
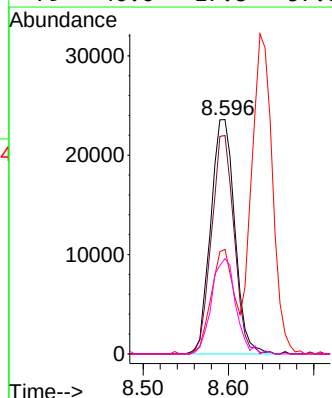
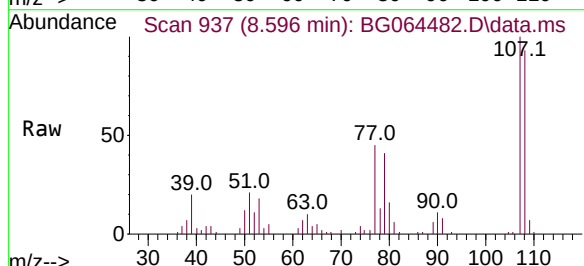
Ion Ratio Lower Upper

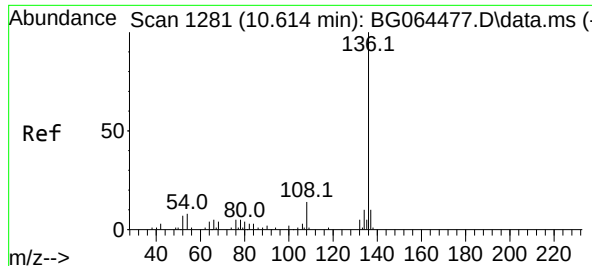
107 100

108 93.1 62.1 102.1

77 44.6 23.5 63.5

79 40.6 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

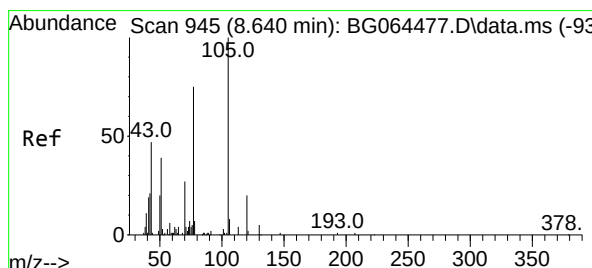
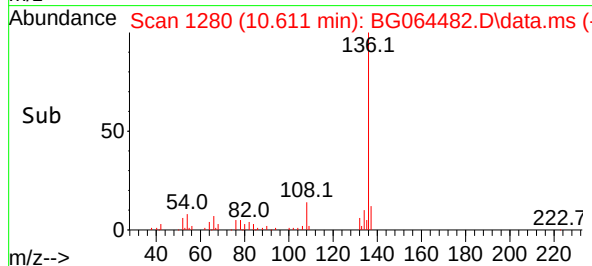
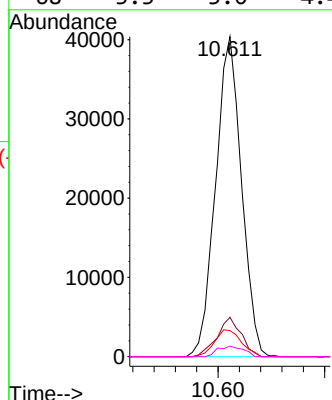
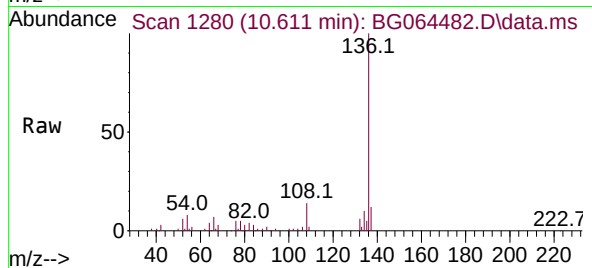
ICVBG100225

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.3	8.3	12.5
54	8.1	6.2	9.4
68	3.3	3.0	4.4

Manual Integrations

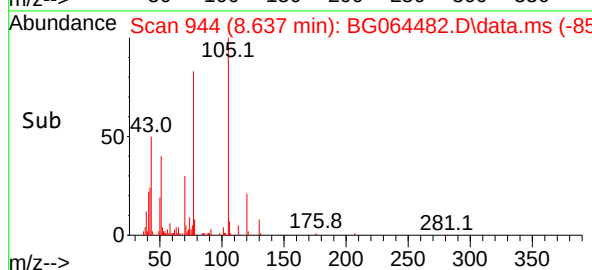
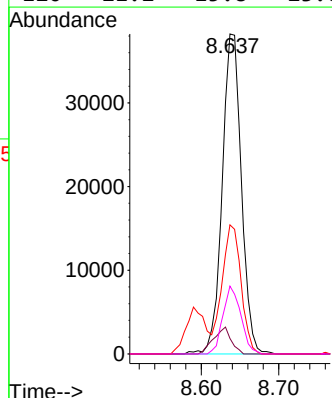
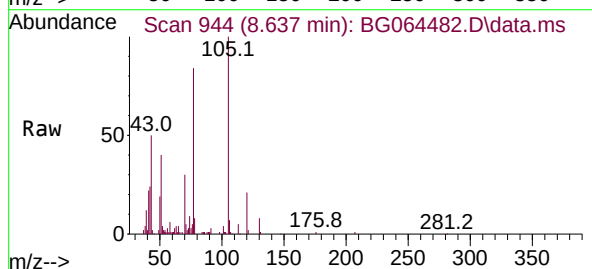
APPROVED

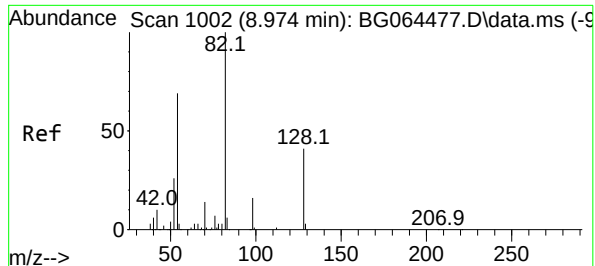
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#22
Acetophenone
Concen: 39.906 ng
RT: 8.637 min Scan# 944
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.8	2.8	4.2
51	40.3	33.0	49.4
120	21.2	15.8	23.6





#23

Nitrobenzene-d5

Concen: 72.999 ng

RT: 8.978 min Scan# 1002

Delta R.T. 0.012 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

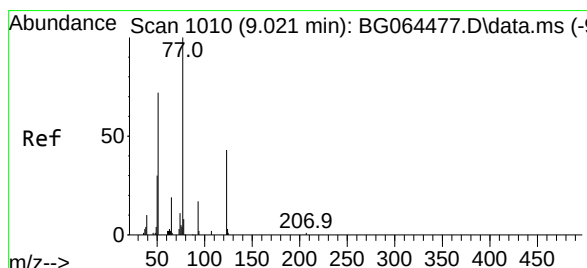
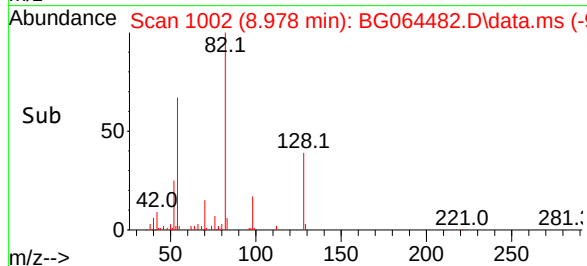
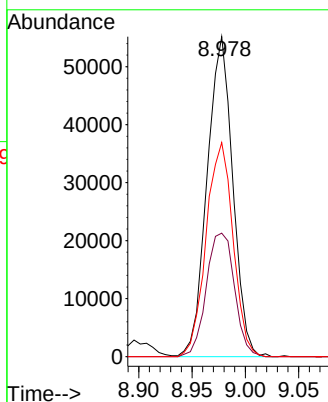
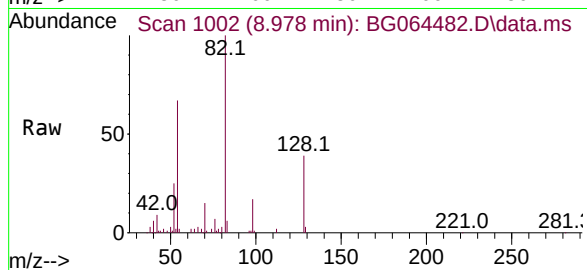
ICVBG100225

Tgt Ion:	82	Resp:	9245
Ion	Ratio	Lower	Upper
82	100		
128	38.6	33.1	49.7
54	66.9	55.4	83.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#24

Nitrobenzene

Concen: 37.170 ng

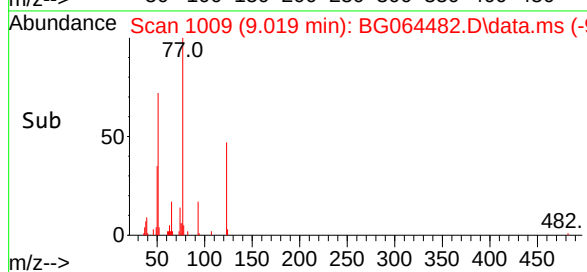
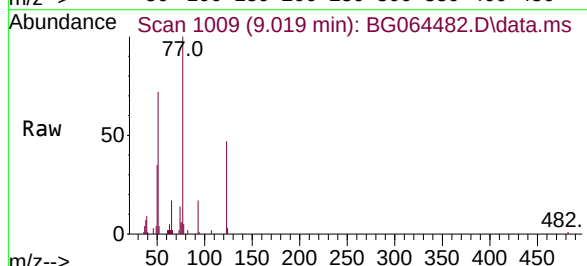
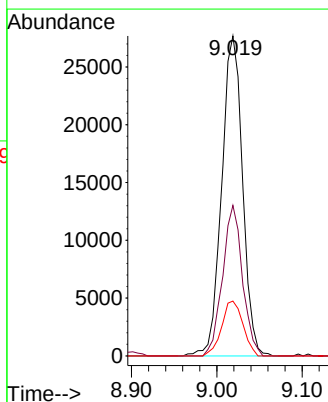
RT: 9.019 min Scan# 1009

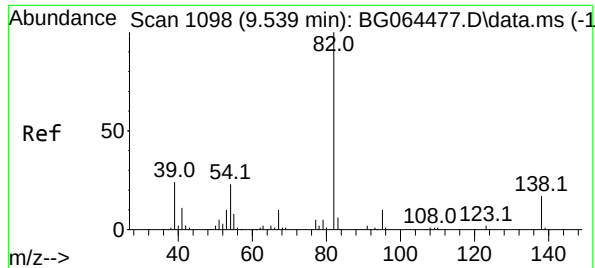
Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Tgt Ion:	77	Resp:	46946
Ion	Ratio	Lower	Upper
77	100		
123	47.0	34.4	51.6
65	17.1	14.8	22.2





#25

Isophorone

Concen: 39.198 ng

RT: 9.542 min Scan# 1098

Delta R.T. 0.012 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

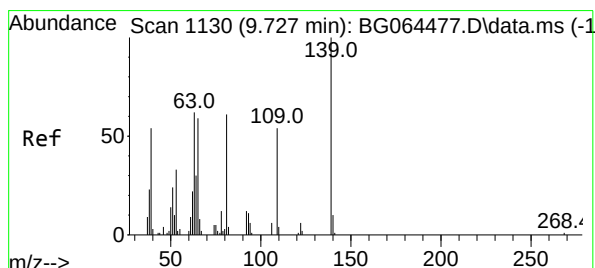
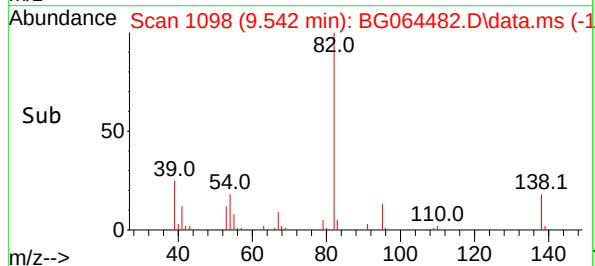
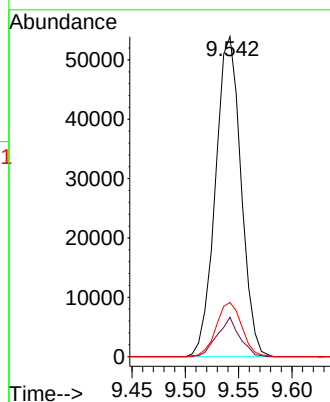
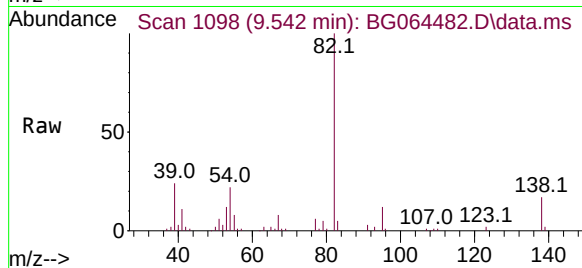
Tgt Ion:	82	Resp:	8993
Ion Ratio	Lower	Upper	
82	100		
95	12.3	7.8	11.8
138	16.9	13.8	20.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#26

2-Nitrophenol

Concen: 35.388 ng

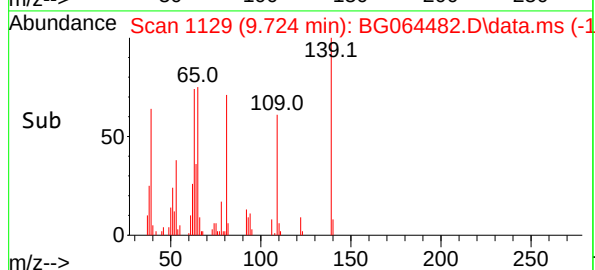
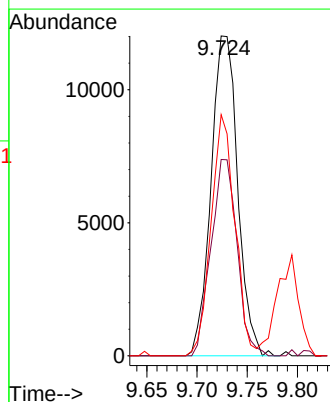
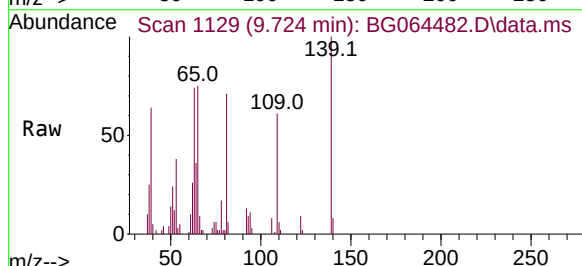
RT: 9.724 min Scan# 1129

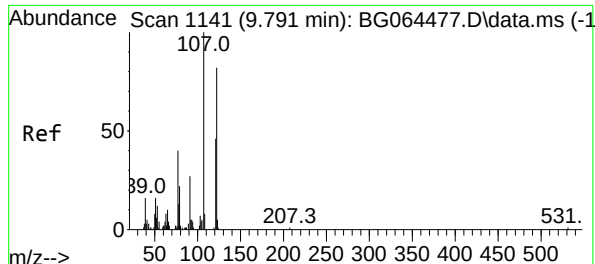
Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Tgt Ion:	139	Resp:	22245
Ion Ratio	Lower	Upper	
139	100		
109	61.4	43.0	64.6
65	75.4	47.4	71.2





#27

2,4-Dimethylphenol

Concen: 41.959 ng

RT: 9.789 min Scan# 1141

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

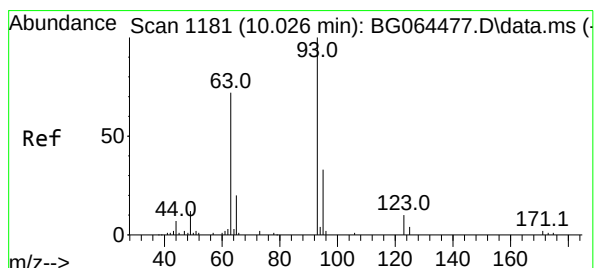
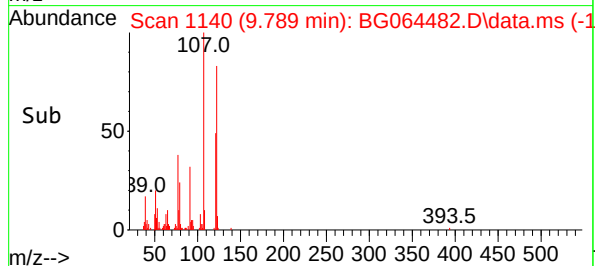
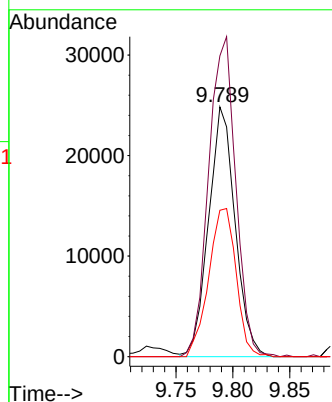
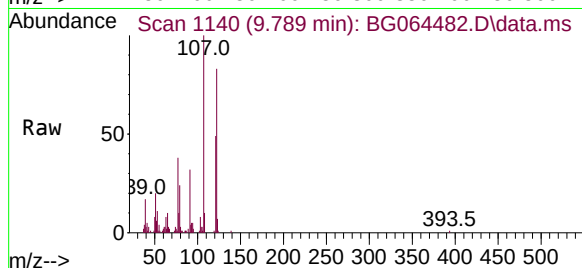
Tgt Ion:	122	Resp:	40285
Ion	Ratio	Lower	Upper
122	100		
107	120.4	98.3	147.5
121	58.6	44.7	67.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#28

bis(2-Chloroethoxy)methane

Concen: 38.540 ng

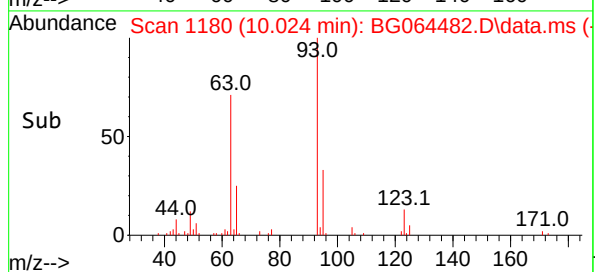
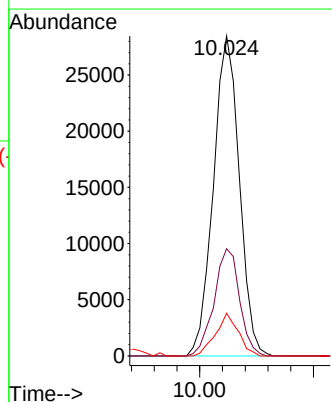
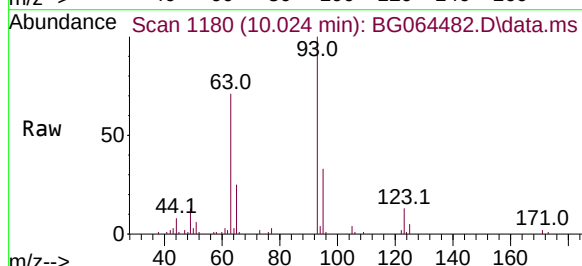
RT: 10.024 min Scan# 1180

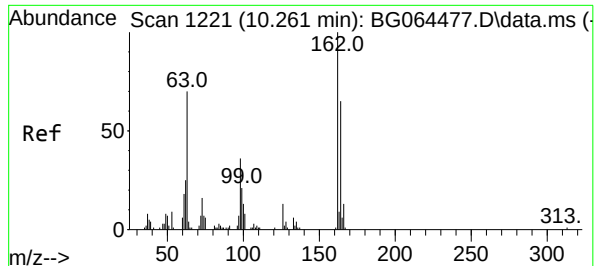
Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Tgt Ion:	93	Resp:	45075
Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.5	39.7
123	13.3	8.9	13.3





#29

2,4-Dichlorophenol

Concen: 38.857 ng

RT: 10.259 min Scan# 1221

Delta R.T. -0.000 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

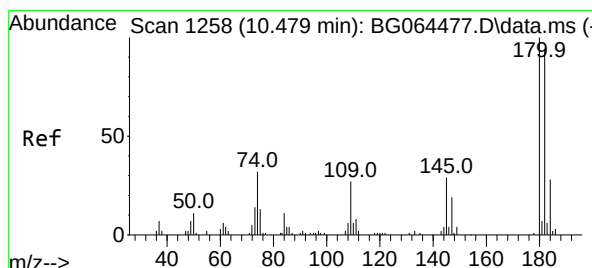
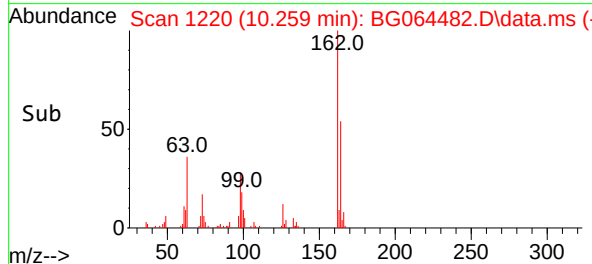
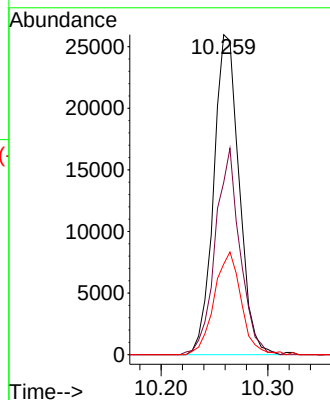
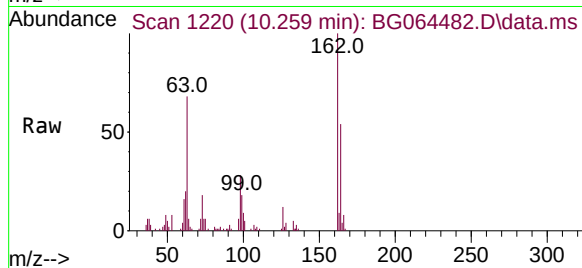
ICVBG100225

Tgt Ion:162	Resp:	4314
Ion Ratio	Lower	Upper
162	100	
164	53.8	45.4 85.4
98	28.3	16.4 56.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#30

1,2,4-Trichlorobenzene

Concen: 38.743 ng

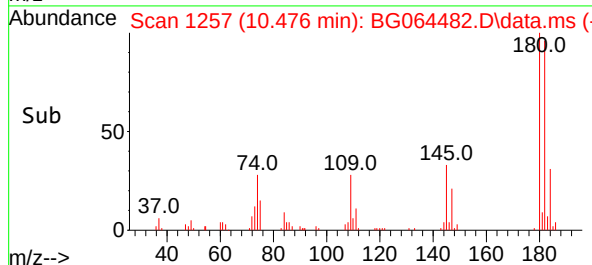
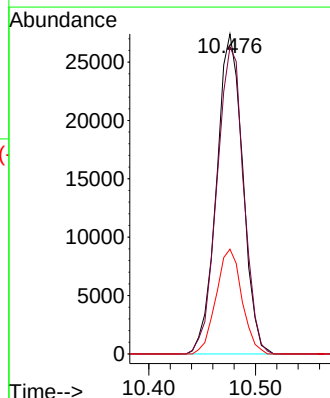
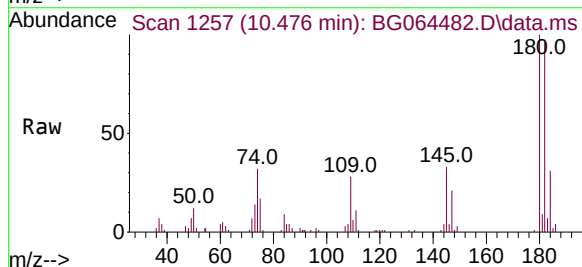
RT: 10.476 min Scan# 1257

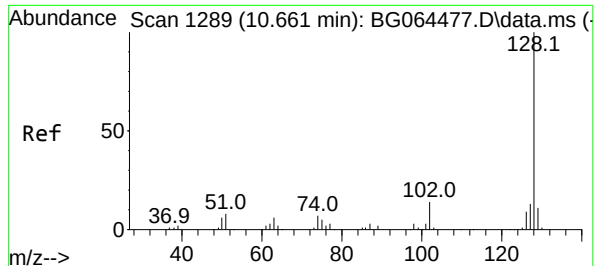
Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

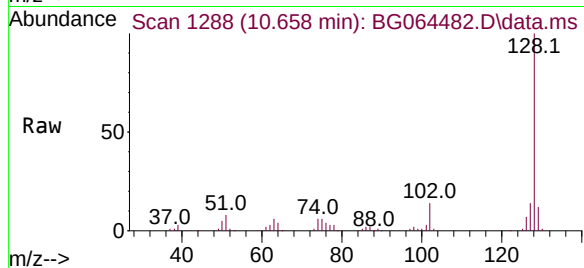
Tgt Ion:180	Resp:	46901
Ion Ratio	Lower	Upper
180	100	
182	95.9	75.4 113.2
145	32.7	23.2 34.8





#31
Naphthalene
Concen: 38.491 ng
RT: 10.658 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

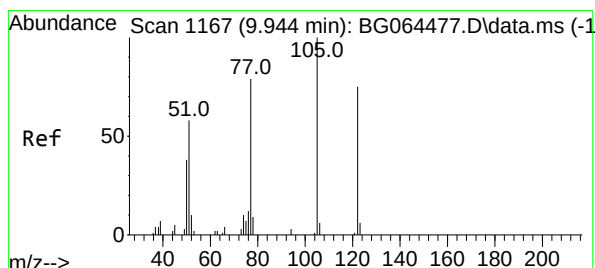
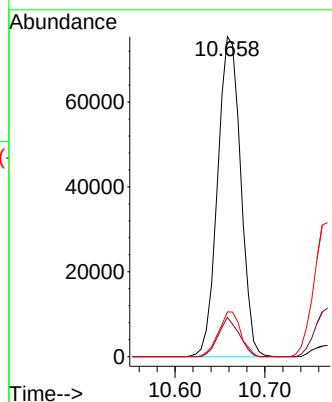
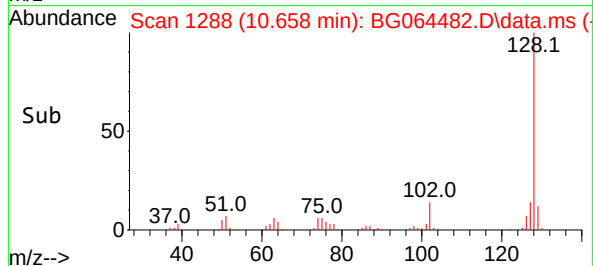
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:128 Resp: 134984
Ion Ratio Lower Upper
128 100
129 12.3 8.7 13.1
127 14.0 10.2 15.2

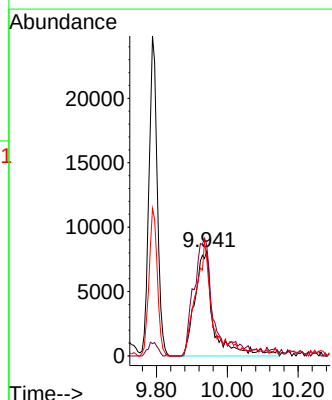
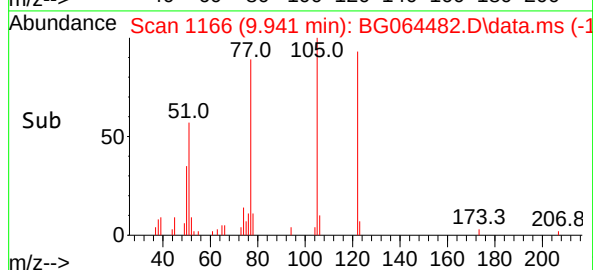
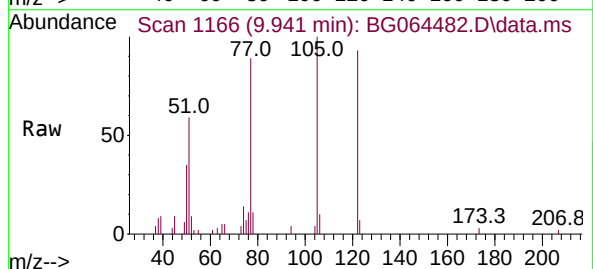
Manual Integrations
APPROVED

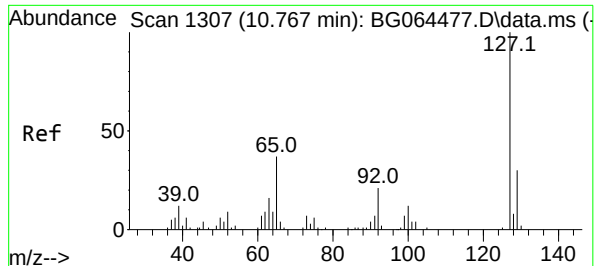
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#32
Benzoic acid
Concen: 40.223 ng m
RT: 9.941 min Scan# 1166
Delta R.T. 0.053 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:122 Resp: 29650
Ion Ratio Lower Upper
122 100
105 107.2 113.9 153.9#
77 95.1 86.1 126.1





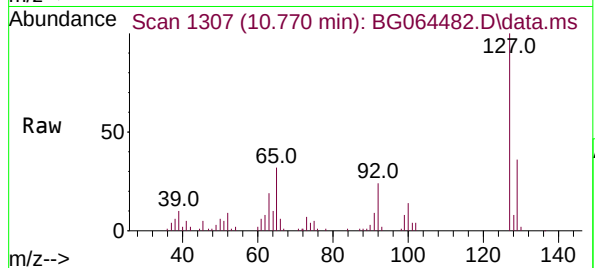
#33
4-Chloroaniline
Concen: 42.784 ng
RT: 10.770 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225



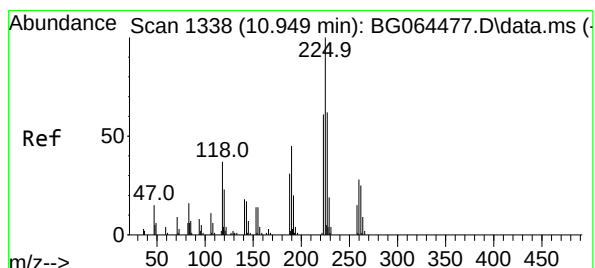
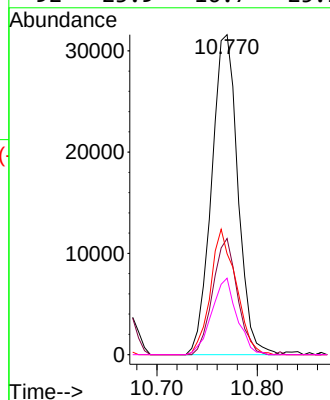
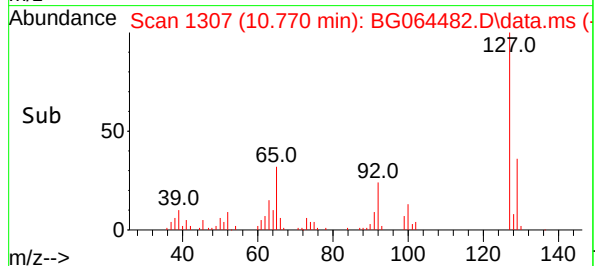
Tgt Ion:127 Resp: 57579
Ion Ratio Lower Upper
127 100
129 36.3 24.2 36.4
65 31.5 29.6 44.4
92 23.9 16.7 25.1

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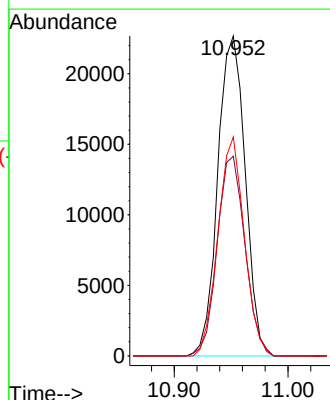
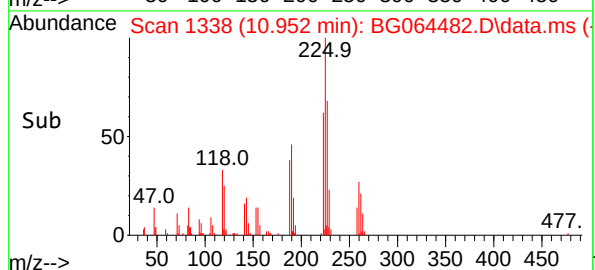
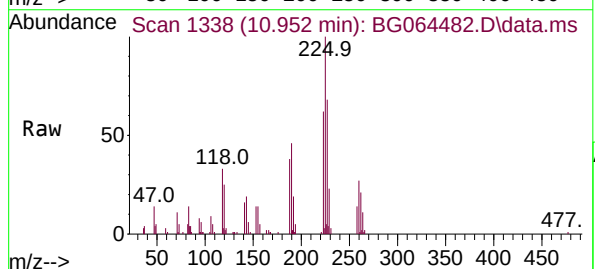
Reviewed By :Rahul Chavli 10/03/2025

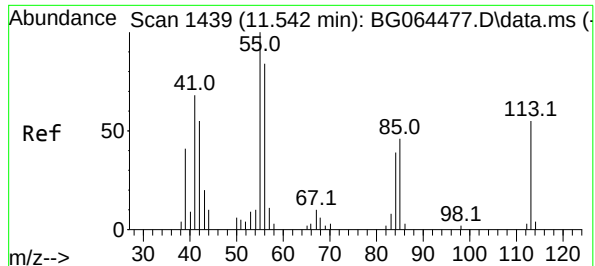
Supervised By :Jagrut Upadhyay 10/03/2025



#34
Hexachlorobutadiene
Concen: 36.587 ng
RT: 10.952 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:225 Resp: 37931
Ion Ratio Lower Upper
225 100
223 65.8 49.0 73.6
227 68.4 49.9 74.9





#35

Caprolactam

Concen: 38.812 ng

RT: 11.534 min Scan# 14

Delta R.T. 0.023 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

Tgt Ion:113 Resp: 14752

Ion Ratio Lower Upper

113 100

55 194.4 162.0 202.0

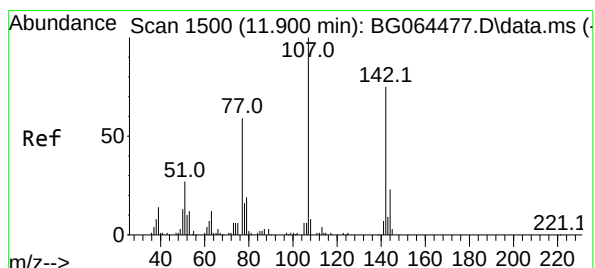
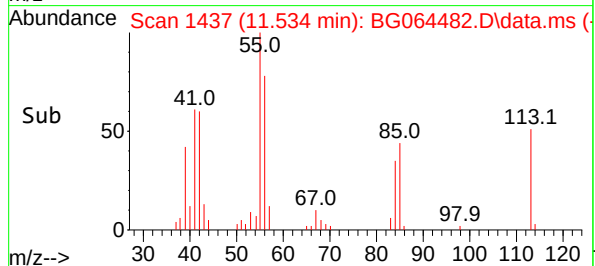
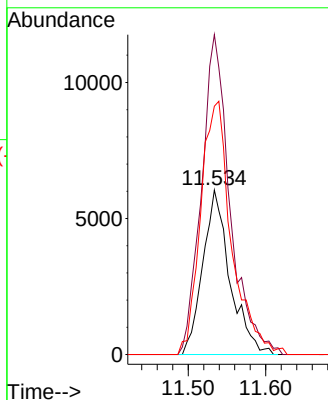
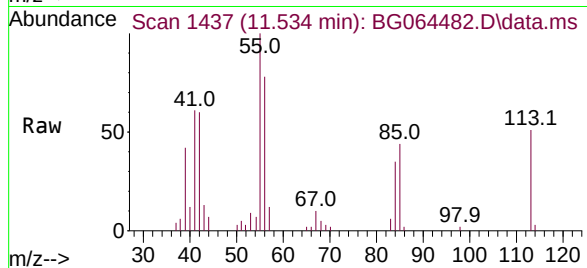
56 150.9 134.6 174.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#36

4-Chloro-3-methylphenol

Concen: 38.389 ng

RT: 11.898 min Scan# 1499

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

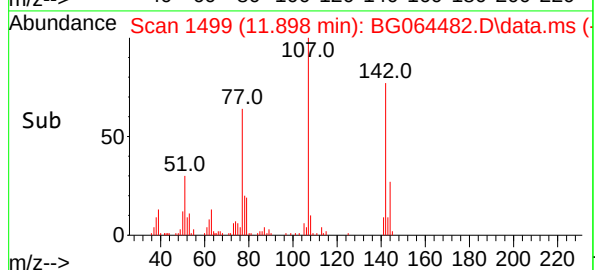
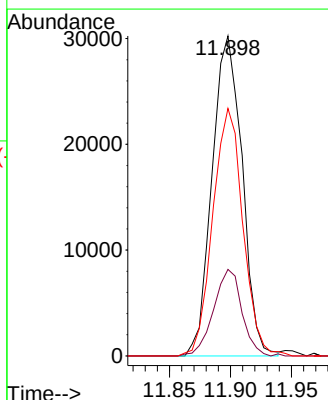
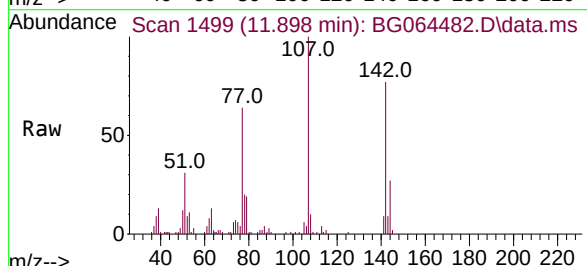
Tgt Ion:107 Resp: 51832

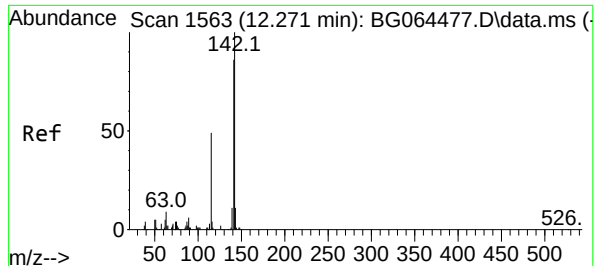
Ion Ratio Lower Upper

107 100

144 27.0 18.7 28.1

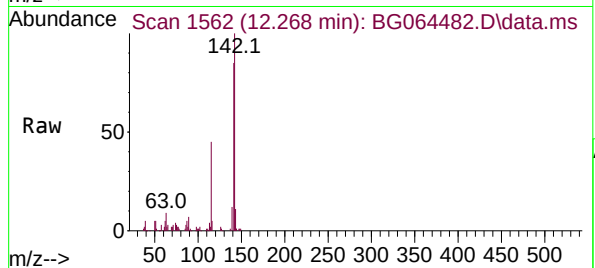
142 77.3 60.2 90.2





#37
2-Methylnaphthalene
Concen: 35.191 ng
RT: 12.268 min Scan# 1563
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

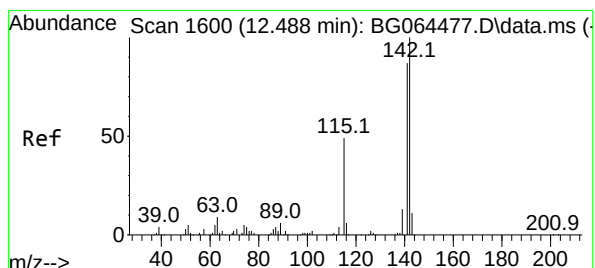
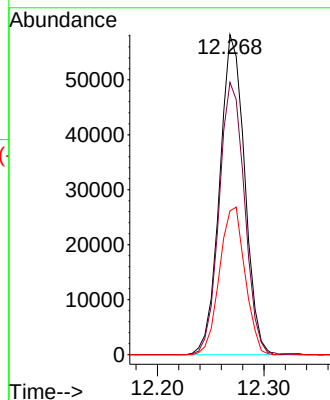
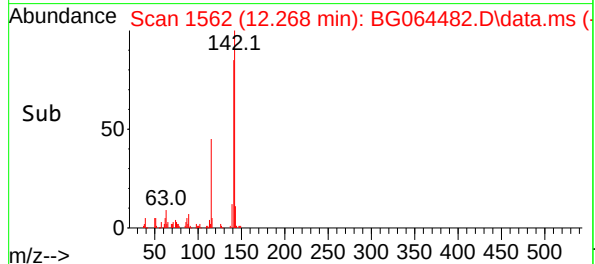
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:142 Resp: 94732
Ion Ratio Lower Upper
142 100
141 85.1 68.7 103.1
115 44.9 39.3 58.9

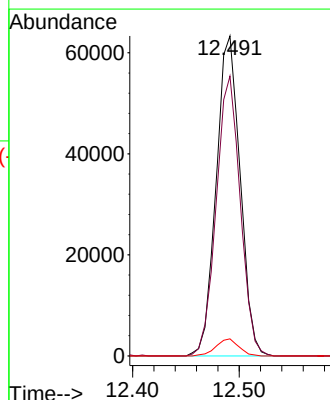
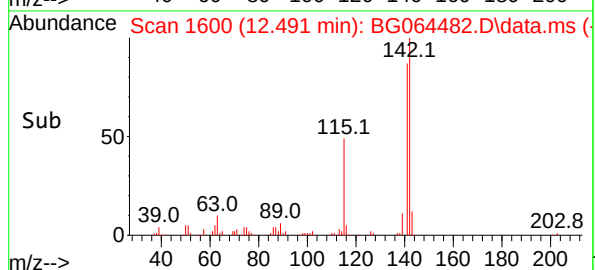
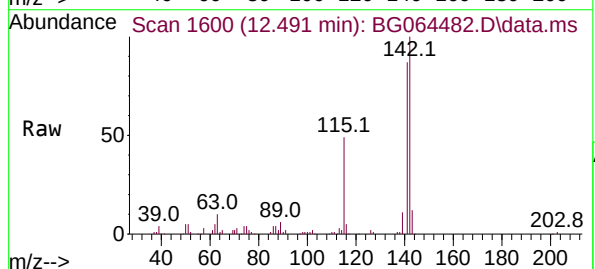
Manual Integrations
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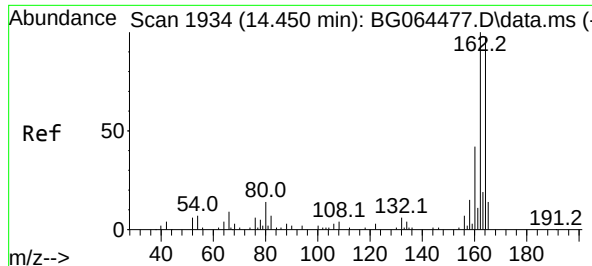
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#38
1-Methylnaphthalene
Concen: 36.933 ng
RT: 12.491 min Scan# 1600
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:142 Resp: 99137
Ion Ratio Lower Upper
142 100
141 87.4 69.8 104.8
116 5.3 4.6 6.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.448 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

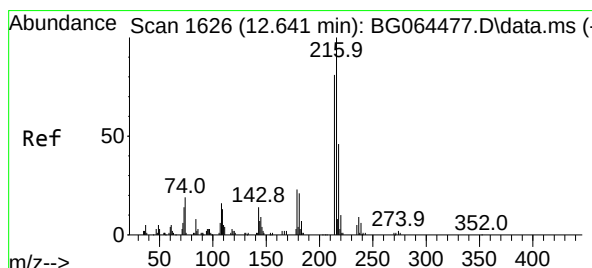
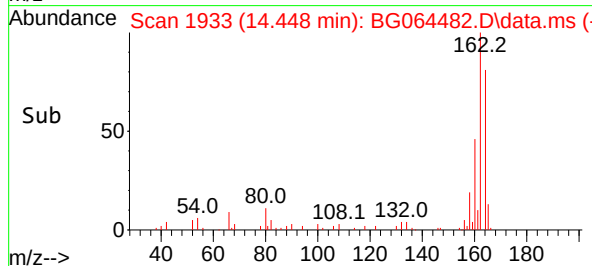
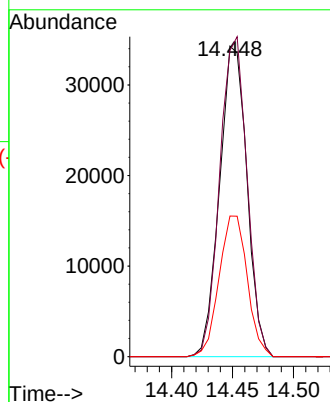
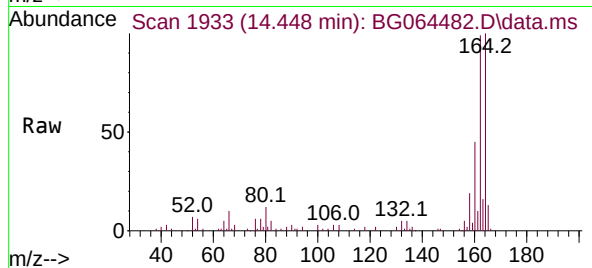
Tgt Ion:164	Resp:	53704
Ion Ratio	Lower	Upper
164	100	
162	98.6	82.2 123.2
160	45.3	34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.511 ng

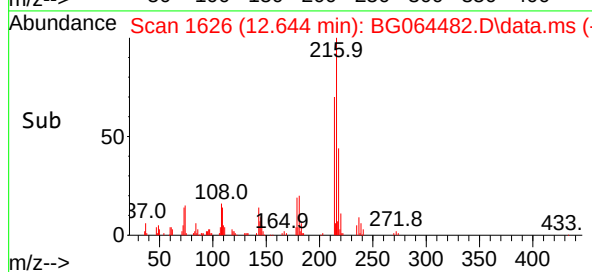
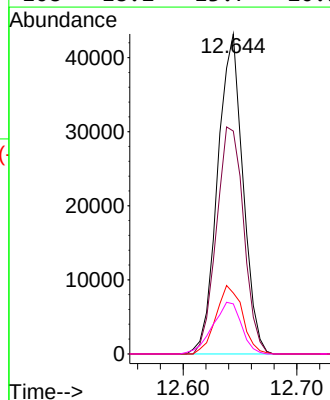
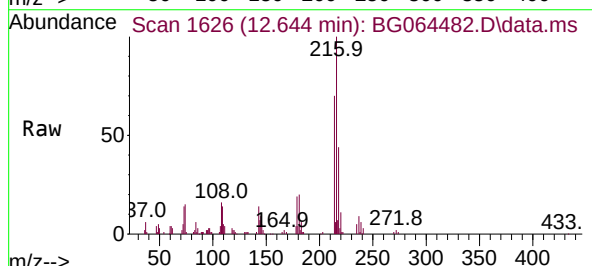
RT: 12.644 min Scan# 1626

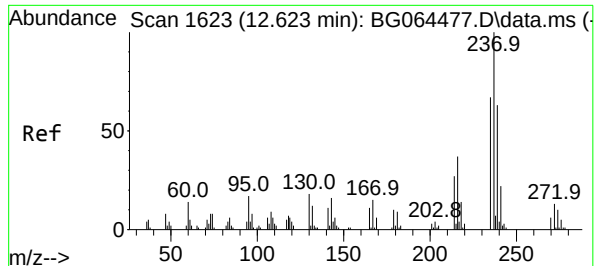
Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

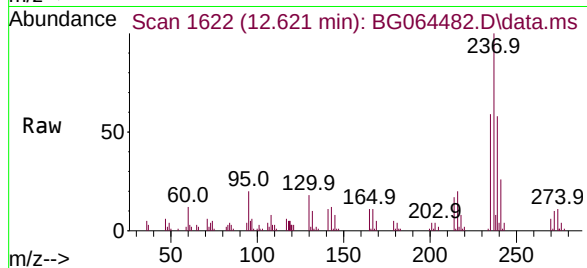
Tgt Ion:216	Resp:	66779
Ion Ratio	Lower	Upper
216	100	
214	76.2	62.5 93.7
179	22.3	17.0 25.6
108	18.2	13.7 20.5





#41
Hexachlorocyclopentadiene
Concen: 50.483 ng
RT: 12.621 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

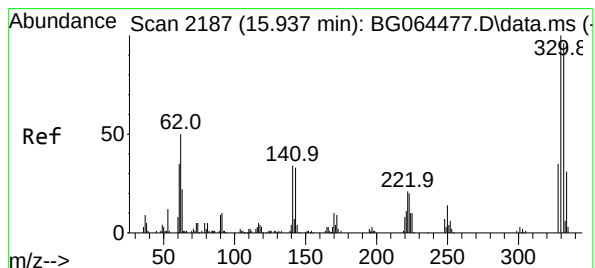
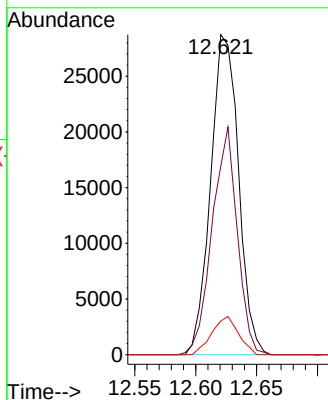
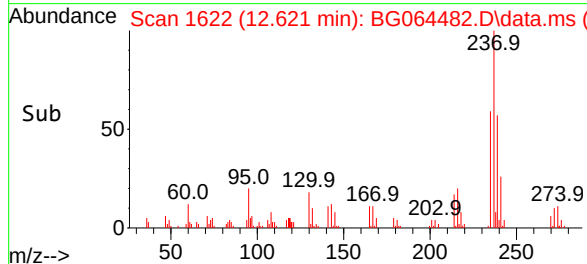
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:237 Resp: 45790
Ion Ratio Lower Upper
237 100
235 58.9 46.9 86.9
272 10.5 0.0 32.6

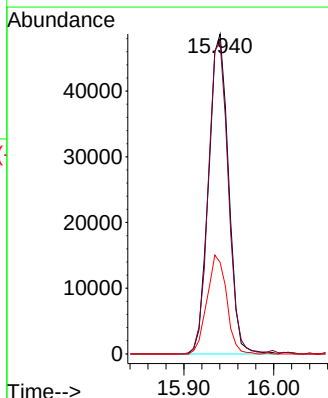
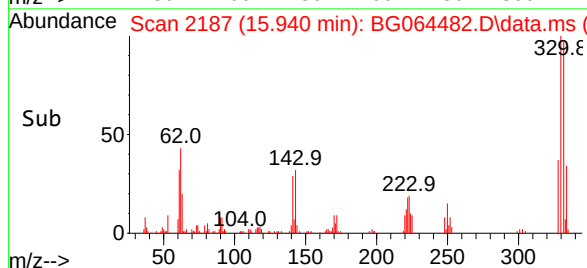
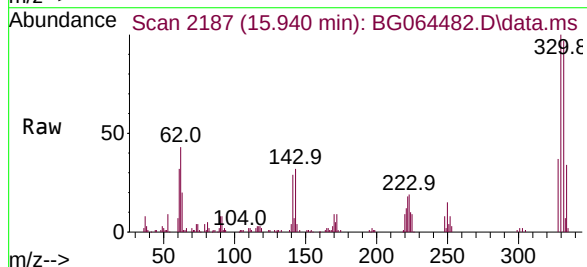
Manual Integrations
APPROVED

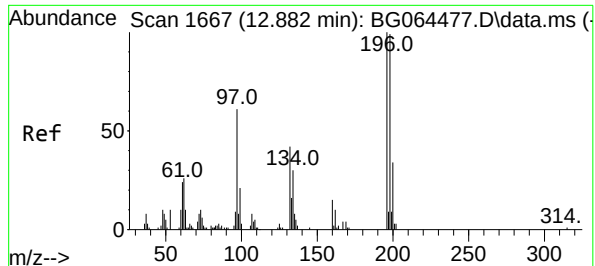
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#42
2,4,6-Tribromophenol
Concen: 76.705 ng
RT: 15.940 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

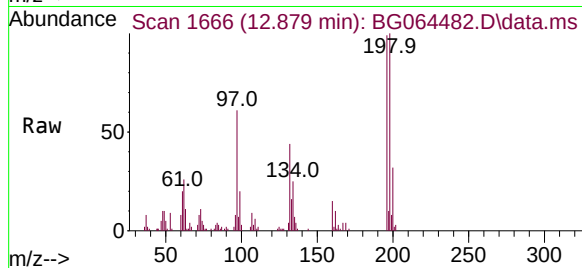
Tgt Ion:330 Resp: 74669
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 30.4 25.8 38.6





#43
2,4,6-Trichlorophenol
Concen: 39.030 ng
RT: 12.879 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

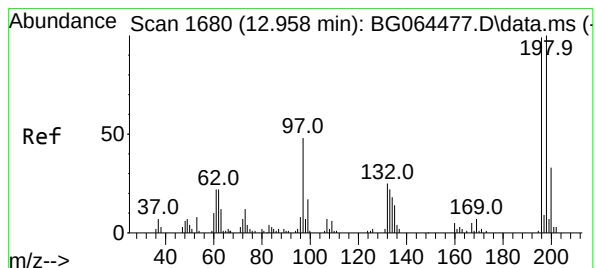
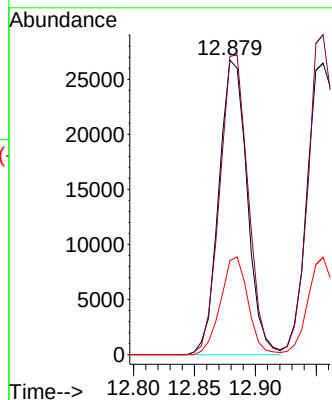
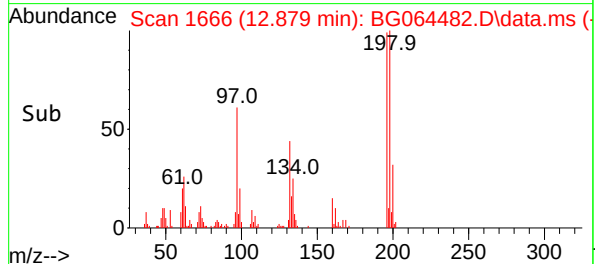
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:196 Resp: 43264
Ion Ratio Lower Upper
196 100
198 101.3 79.3 118.9
200 31.9 27.4 41.2

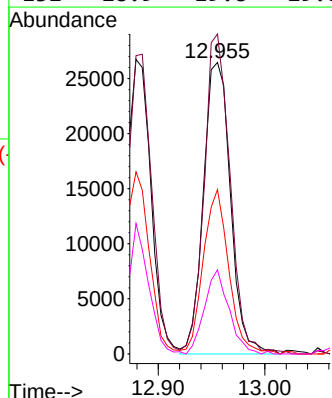
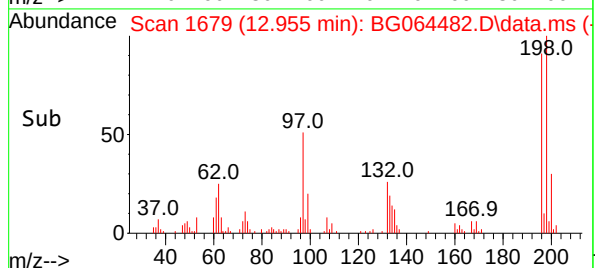
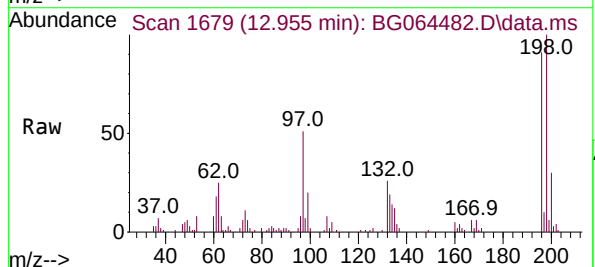
Manual Integrations
APPROVED

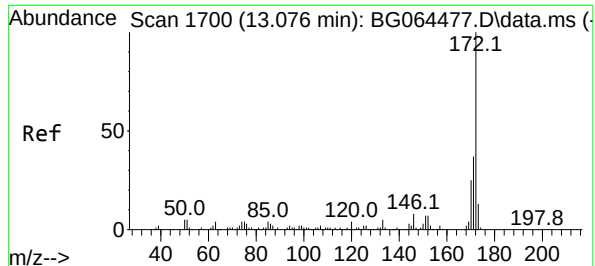
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#44
2,4,5-Trichlorophenol
Concen: 37.827 ng
RT: 12.955 min Scan# 1679
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

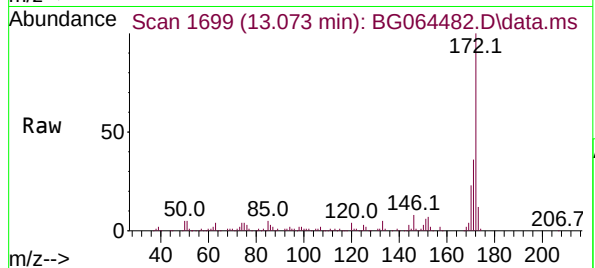
Tgt Ion:196 Resp: 46812
Ion Ratio Lower Upper
196 100
198 109.8 80.3 120.5
97 56.4 39.4 59.0
132 28.9 19.8 29.8





#45
2-Fluorobiphenyl
Concen: 74.539 ng
RT: 13.073 min Scan# 1699
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

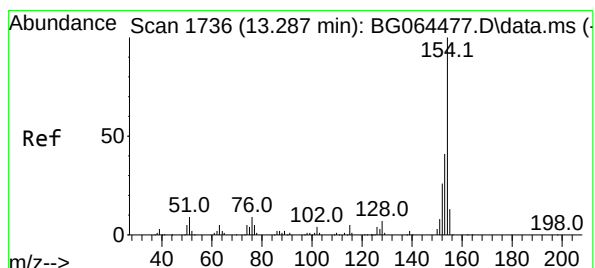
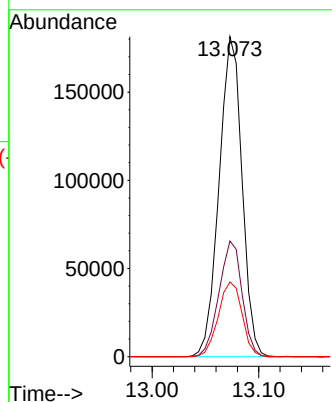
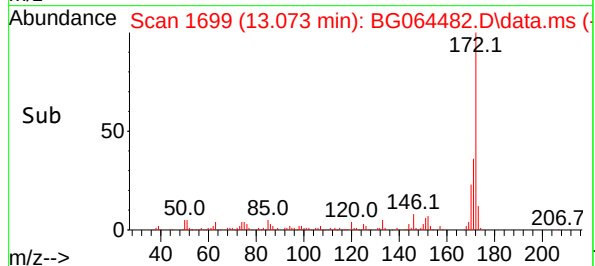
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:172 Resp: 271576
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.4 20.2 30.2

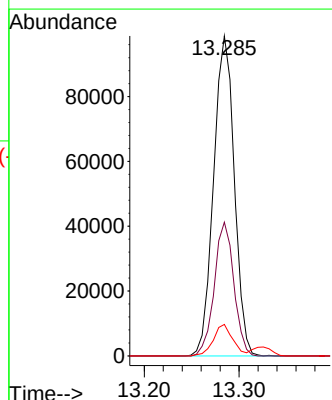
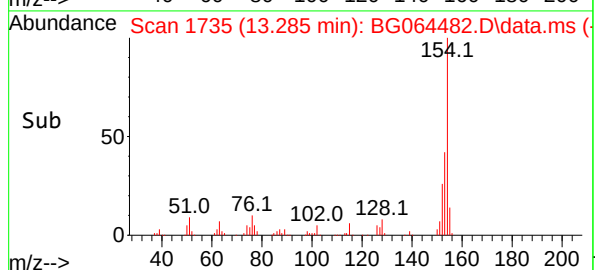
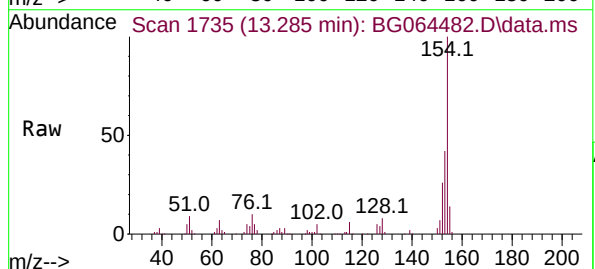
Manual Integrations
APPROVED

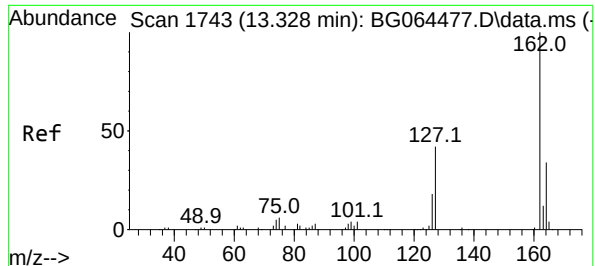
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#46
1,1'-Biphenyl
Concen: 38.735 ng
RT: 13.285 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:154 Resp: 149616
Ion Ratio Lower Upper
154 100
153 41.8 20.7 60.7
76 9.8 0.0 29.3





#47

2-Chloronaphthalene

Concen: 37.716 ng

RT: 13.326 min Scan# 1743

Delta R.T. 0.006 min

Lab File: BG064482.D

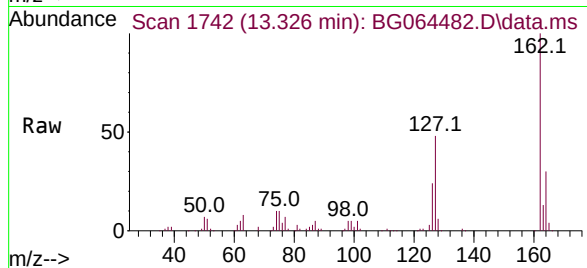
Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225



Tgt Ion:162 Resp: 108769

Ion Ratio Lower Upper

162 100

127 47.7 35.8 53.8

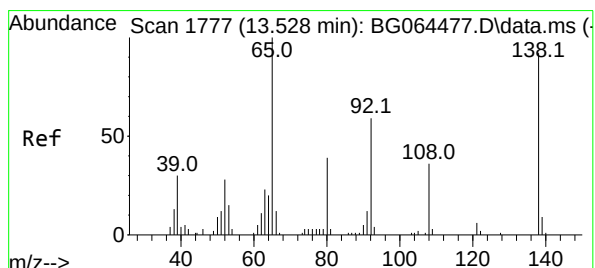
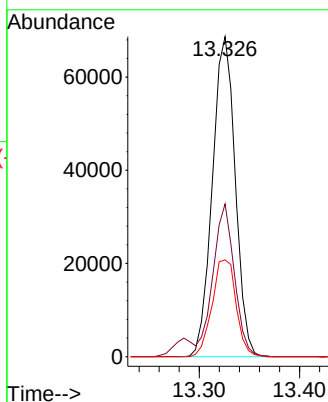
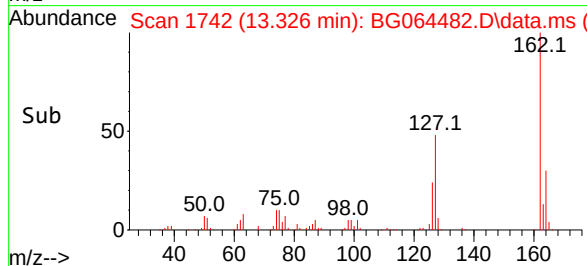
164 30.2 27.2 40.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#48

2-Nitroaniline

Concen: 39.151 ng

RT: 13.531 min Scan# 1777

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

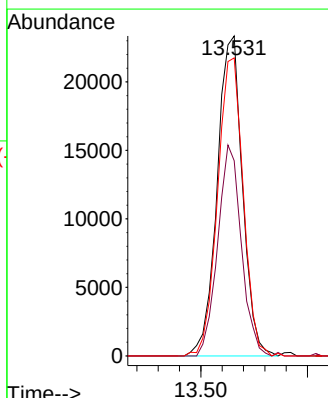
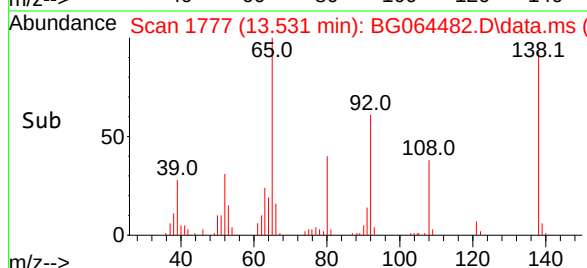
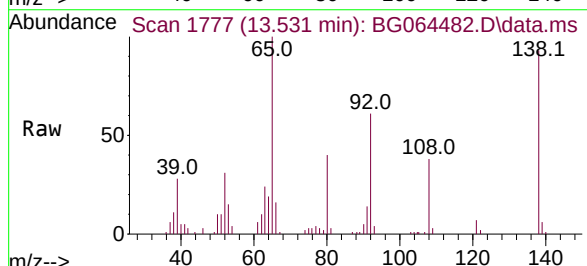
Tgt Ion: 65 Resp: 38535

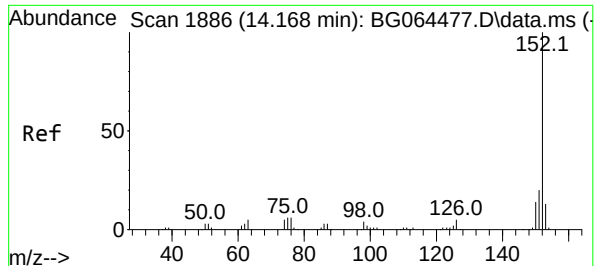
Ion Ratio Lower Upper

65 100

92 61.0 47.0 70.6

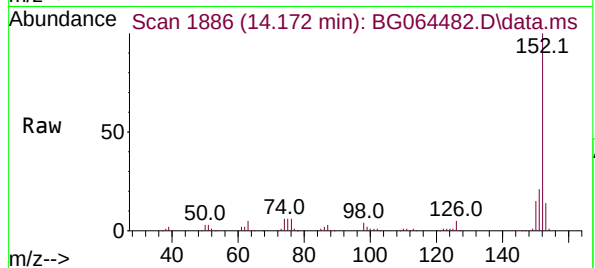
138 93.2 73.5 110.3





#49
Acenaphthylene
Concen: 43.842 ng
RT: 14.172 min Scan# 1886
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

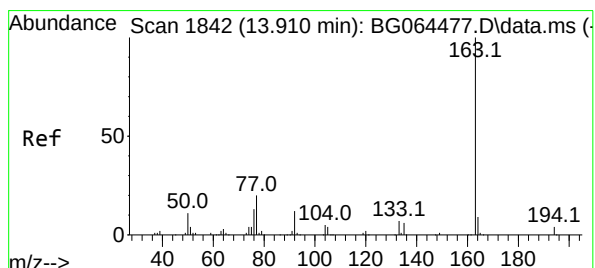
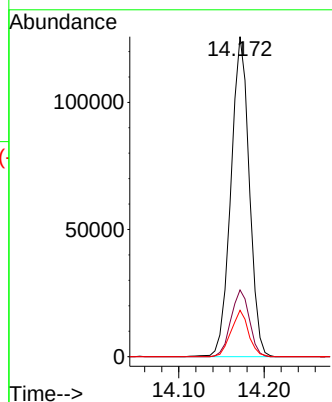
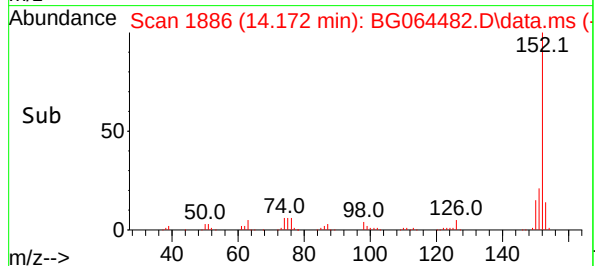
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:152 Resp: 187686
Ion Ratio Lower Upper
152 100
151 20.8 15.8 23.6
153 14.5 10.6 15.8

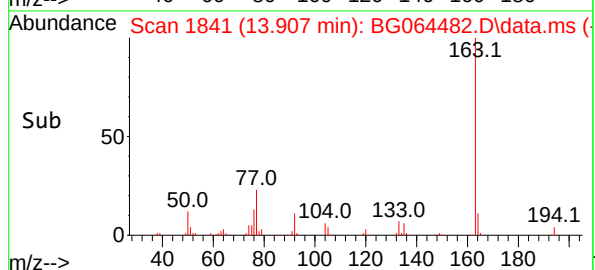
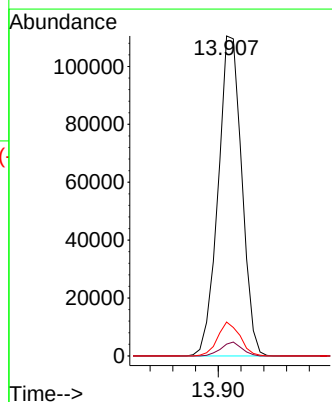
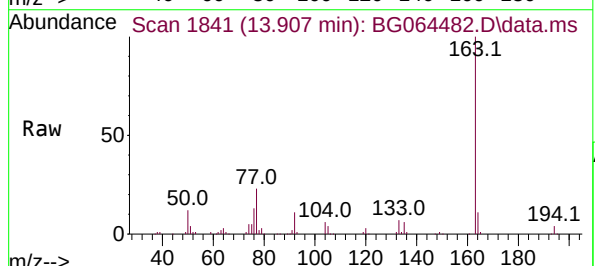
Manual Integrations
APPROVED

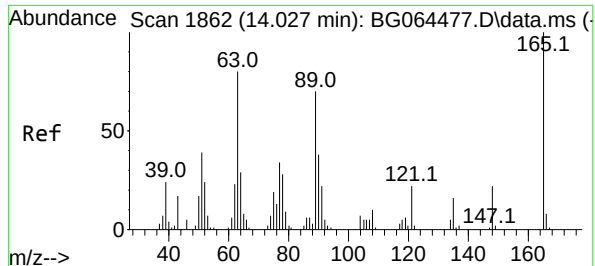
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#50
Dimethylphthalate
Concen: 37.903 ng
RT: 13.907 min Scan# 1841
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

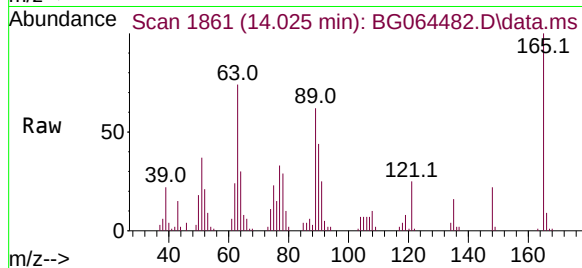
Tgt Ion:163 Resp: 159424
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.6 7.4 11.0





#51
2,6-Dinitrotoluene
Concen: 38.742 ng
RT: 14.025 min Scan# 1862
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

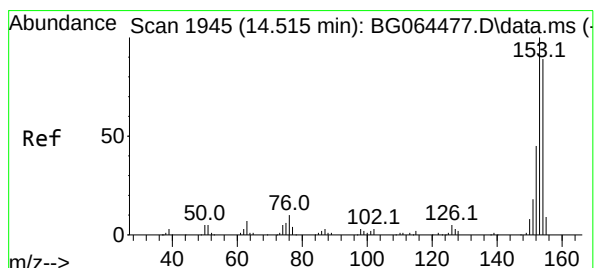
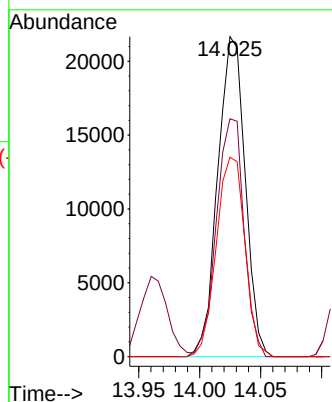
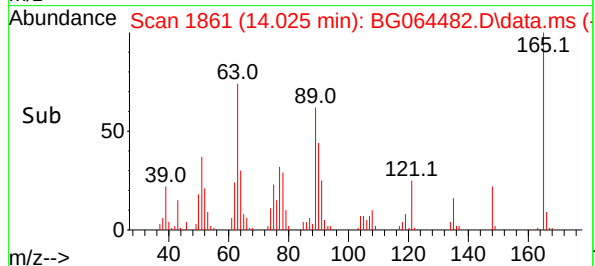
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:165 Resp: 33945
Ion Ratio Lower Upper
165 100
63 74.3 63.9 95.9
89 62.3 56.1 84.1

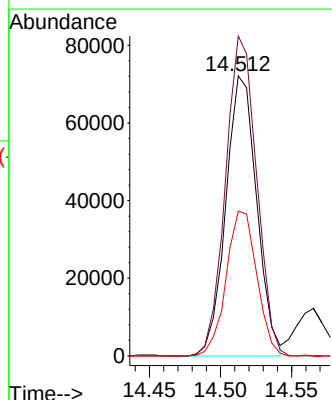
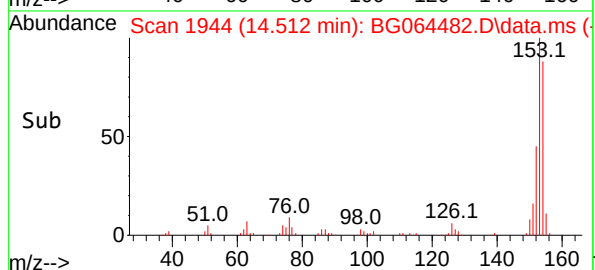
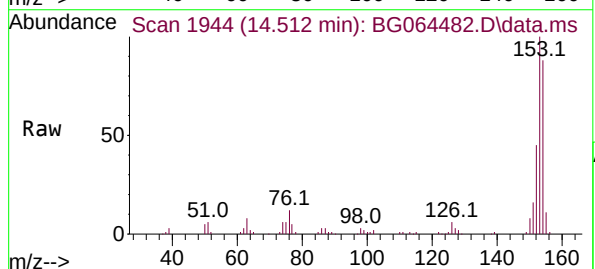
Manual Integrations
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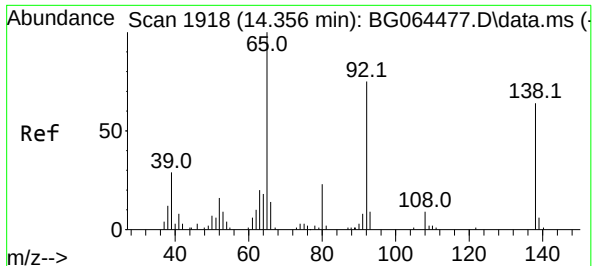
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#52
Acenaphthene
Concen: 36.666 ng
RT: 14.512 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

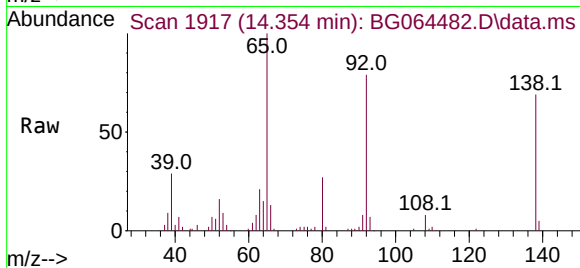
Tgt Ion:154 Resp: 109054
Ion Ratio Lower Upper
154 100
153 114.2 90.2 135.4
152 51.7 40.2 60.4





#53
3-Nitroaniline
Concen: 40.727 ng
RT: 14.354 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

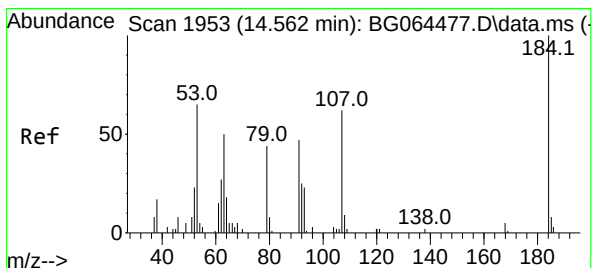
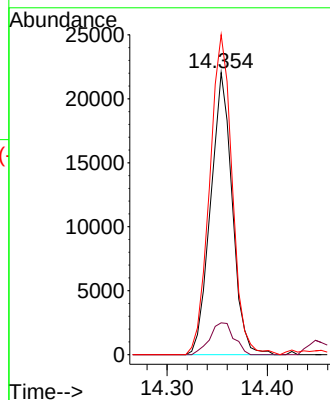
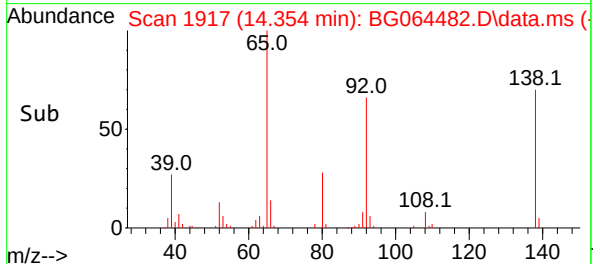
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:138 Resp: 32910
Ion Ratio Lower Upper
138 100
108 11.2 10.6 15.8
92 113.5 93.2 139.8

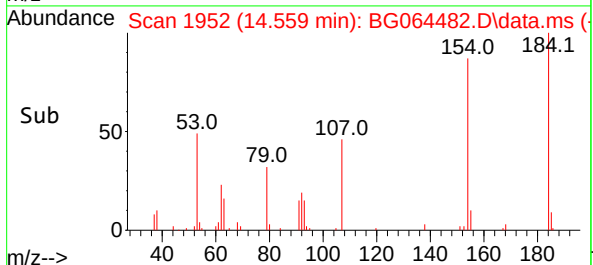
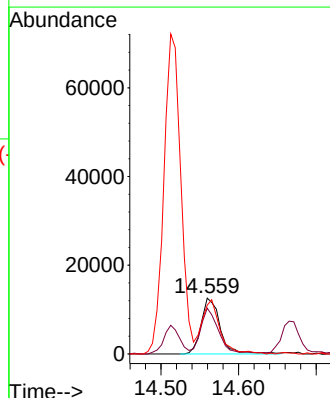
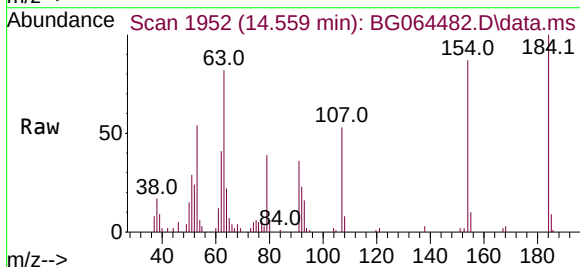
Manual Integrations
APPROVED

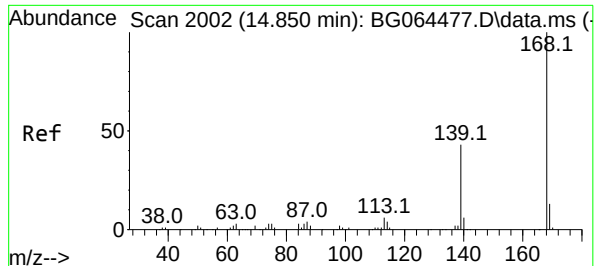
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#54
2,4-Dinitrophenol
Concen: 33.540 ng
RT: 14.559 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

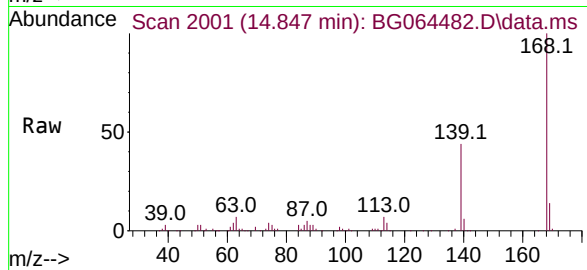
Tgt Ion:184 Resp: 21309
Ion Ratio Lower Upper
184 100
63 82.0 69.0 103.4
154 87.3 95.6 143.4#





#55
Dibenzenofuran
Concen: 38.141 ng
RT: 14.847 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

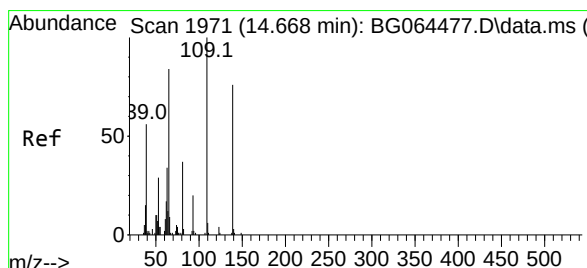
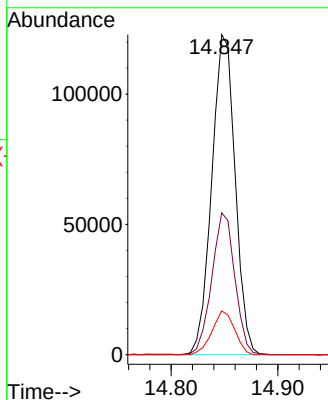
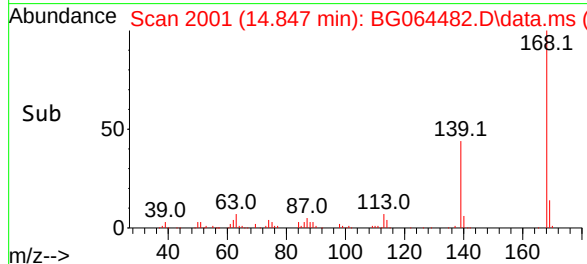
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:168 Resp: 187307
Ion Ratio Lower Upper
168 100
139 44.3 34.0 51.0
169 13.7 10.2 15.2

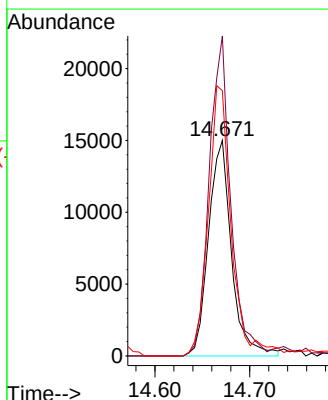
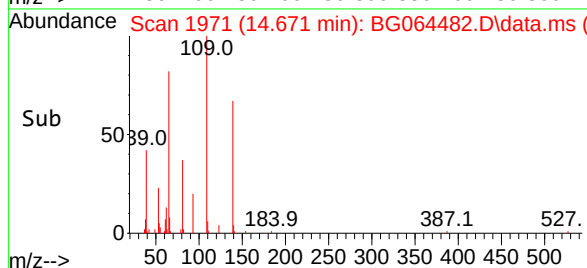
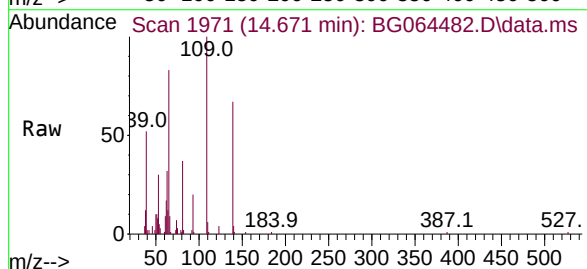
Manual Integrations
APPROVED

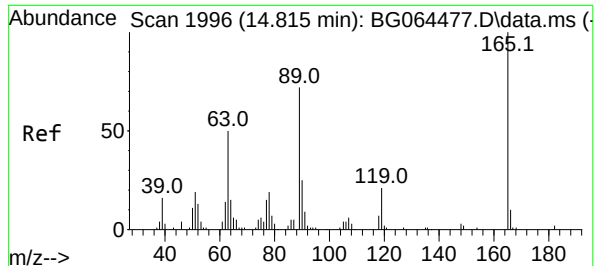
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#56
4-Nitrophenol
Concen: 39.712 ng
RT: 14.671 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:139 Resp: 25265
Ion Ratio Lower Upper
139 100
109 148.6 111.8 151.8
65 123.1 91.1 131.1





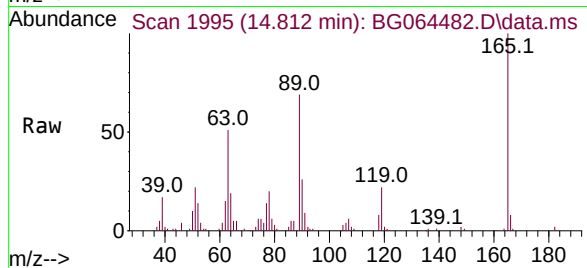
#57
2,4-Dinitrotoluene
Concen: 39.388 ng
RT: 14.812 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

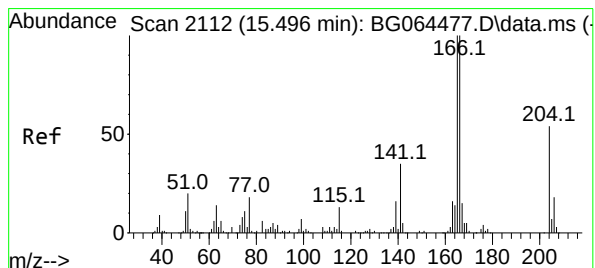
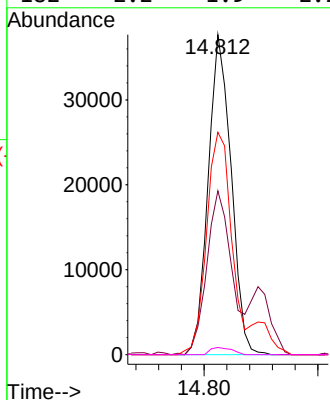
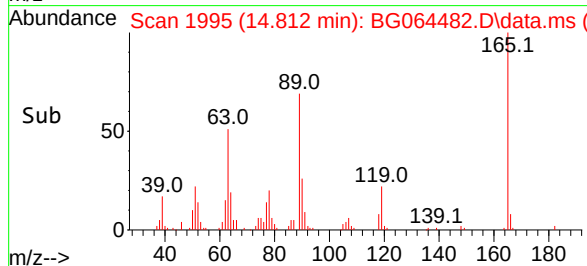


Tgt Ion:165 Resp: 52752
Ion Ratio Lower Upper
165 100
63 51.2 40.4 60.6
89 69.5 57.3 85.9
182 2.2 1.9 2.9

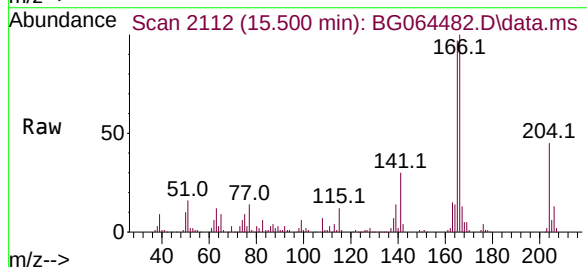
Manual Integrations

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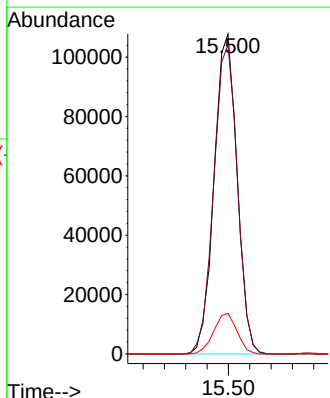
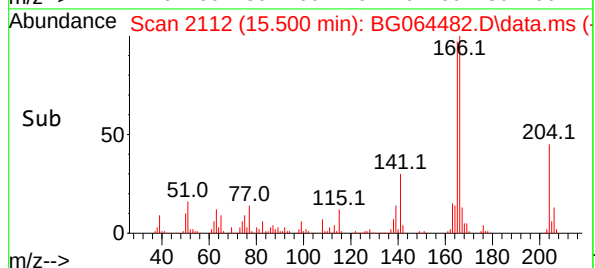
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

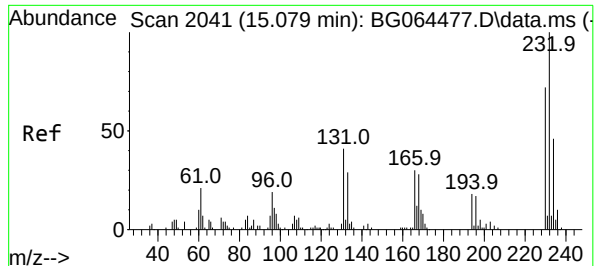


#58
Fluorene
Concen: 39.456 ng
RT: 15.500 min Scan# 2112
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09



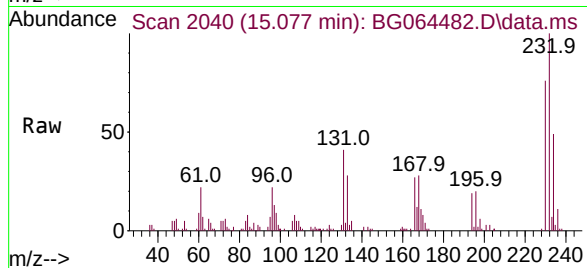
Tgt Ion:166 Resp: 161086
Ion Ratio Lower Upper
166 100
165 96.6 79.8 119.6
167 12.7 11.7 17.5





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.021 ng
RT: 15.077 min Scan# 2041
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

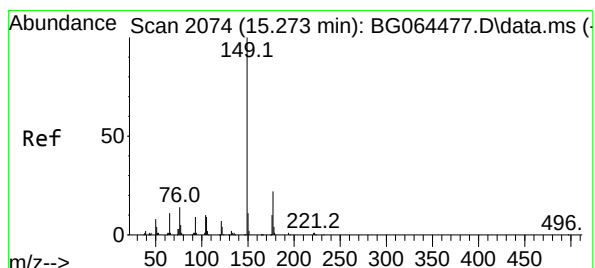
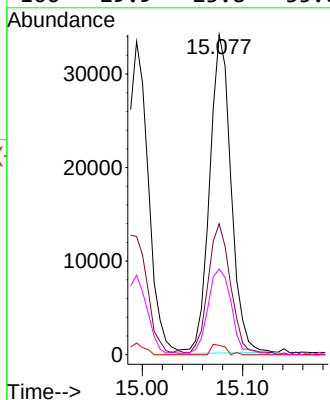
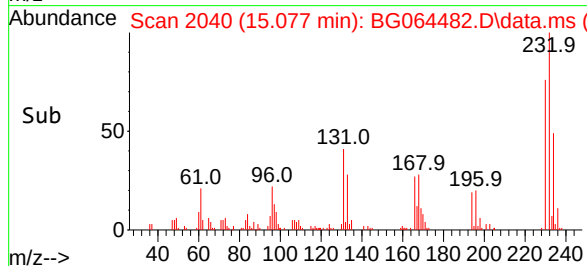
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:232 Resp: 50545
Ion Ratio Lower Upper
232 100
131 43.8 35.0 52.4
130 2.2 2.0 3.0
166 29.9 23.8 35.6

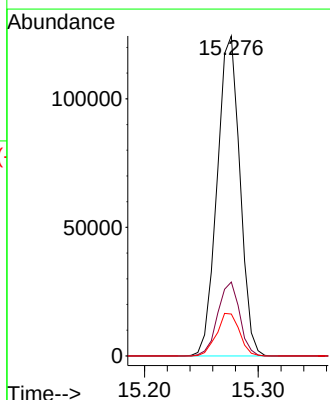
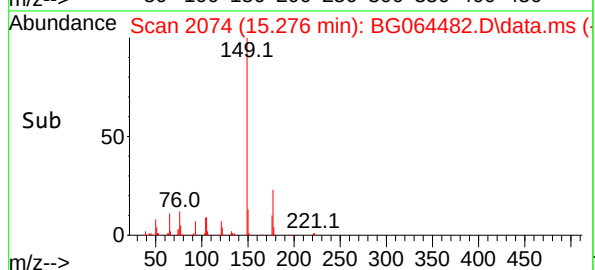
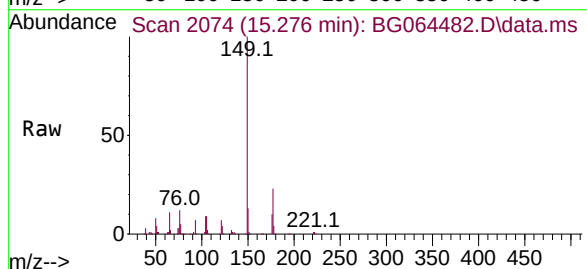
Manual Integrations
APPROVED

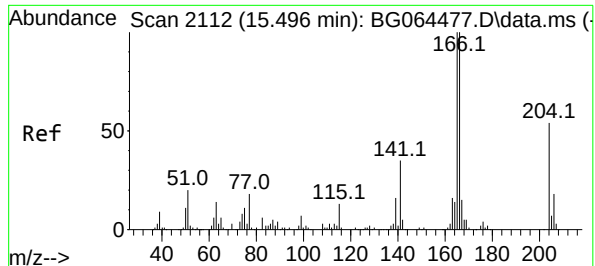
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#60
Diethylphthalate
Concen: 38.317 ng
RT: 15.276 min Scan# 2074
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:149 Resp: 172891
Ion Ratio Lower Upper
149 100
177 23.1 17.4 26.0
150 13.1 9.1 13.7





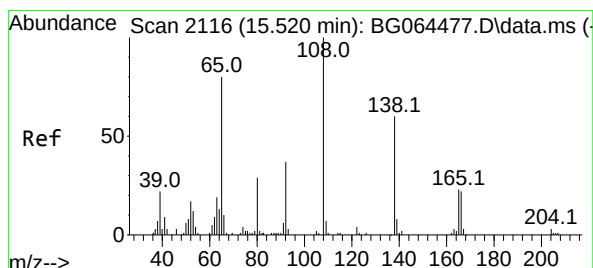
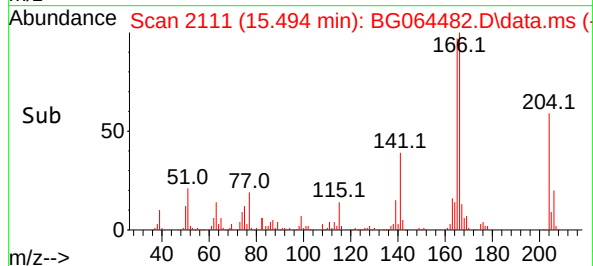
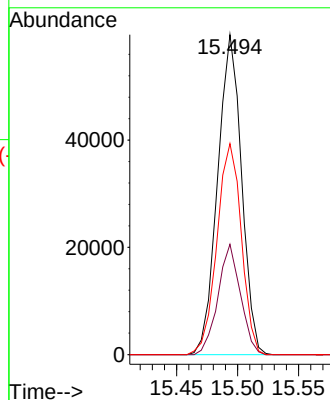
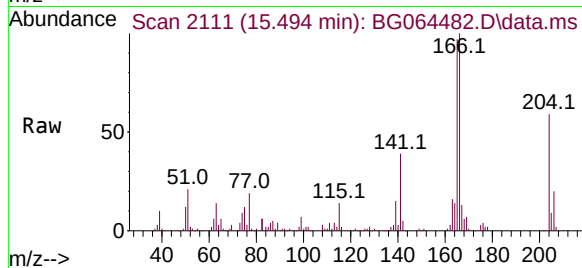
#61
4-Chlorophenyl-phenylether
Concen: 36.432 ng
RT: 15.494 min Scan# 2112
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Tgt Ion:204 Resp: 81203
Ion Ratio Lower Upper
204 100
206 34.5 27.1 40.7
141 65.9 51.5 77.3

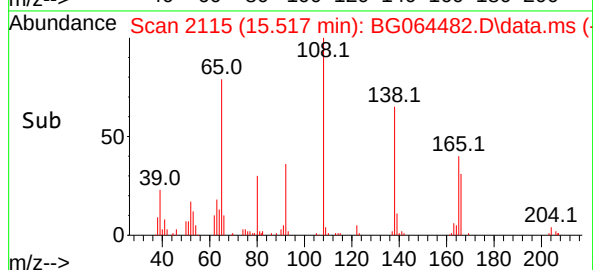
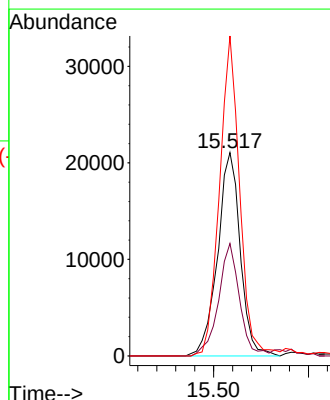
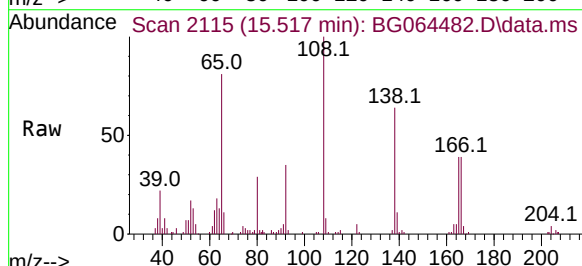
Manual Integrations
APPROVED

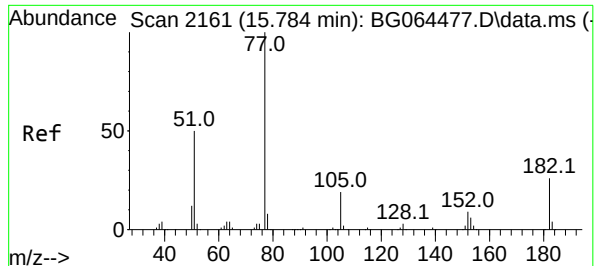
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#62
4-Nitroaniline
Concen: 41.435 ng
RT: 15.517 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:138 Resp: 34897
Ion Ratio Lower Upper
138 100
92 55.3 42.3 82.3
108 157.4 147.7 187.7





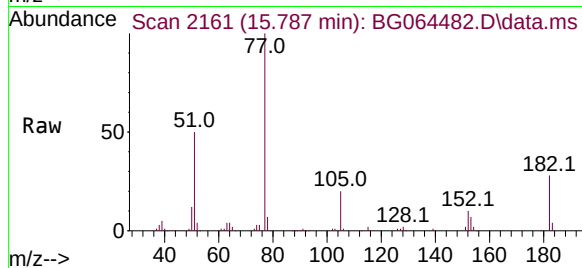
#63
Azobenzene
Concen: 38.553 ng
RT: 15.787 min Scan# 2161
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

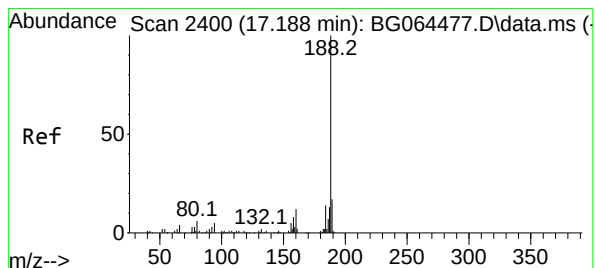
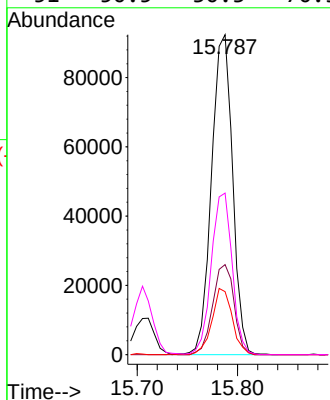
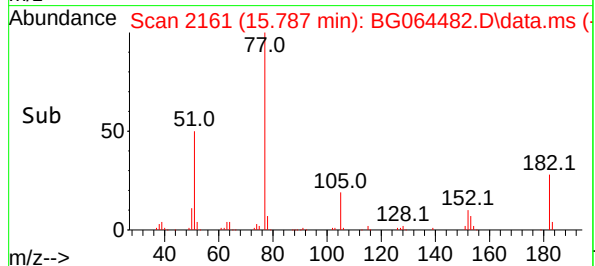


Tgt Ion: 77 Resp: 134722
Ion Ratio Lower Upper
77 100
182 28.1 6.3 46.3
105 19.7 0.0 38.7
51 50.5 30.3 70.3

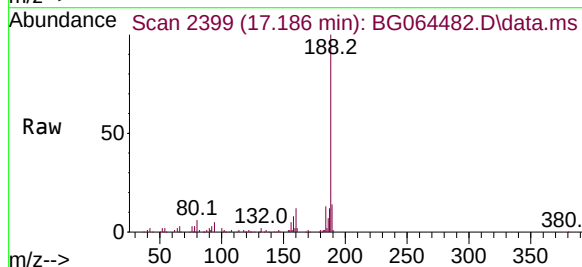
Manual Integrations

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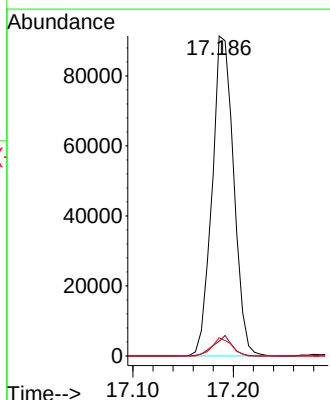
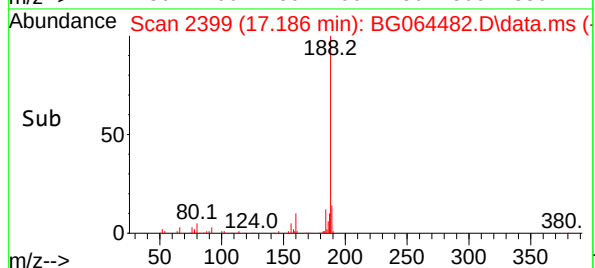
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

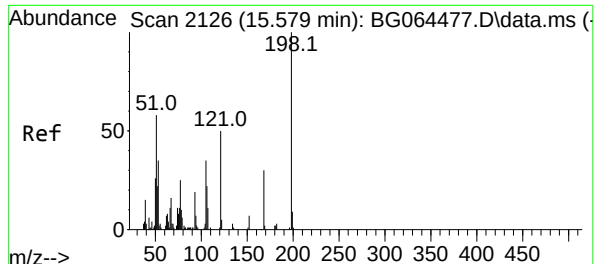


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2399
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09



Tgt Ion:188 Resp: 136982
Ion Ratio Lower Upper
188 100
94 4.5 3.7 5.5
80 5.7 4.5 6.7





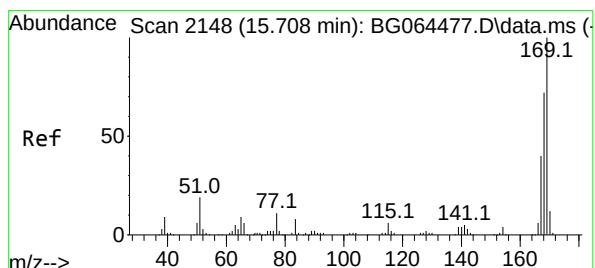
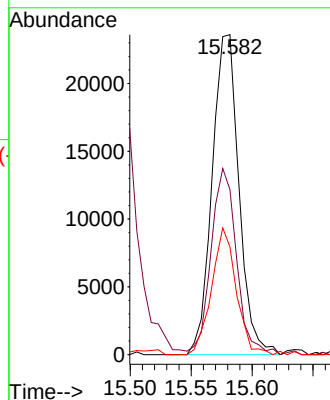
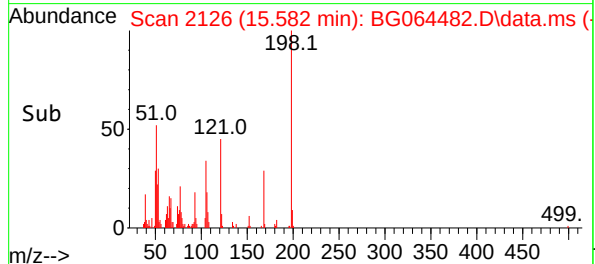
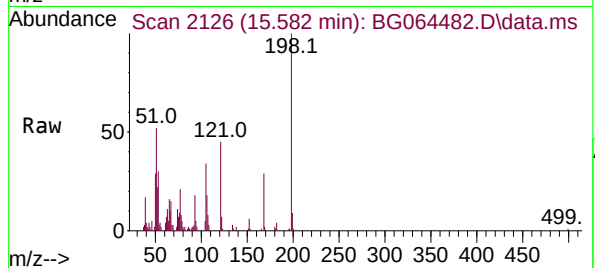
#65
4,6-Dinitro-2-methylphenol
Concen: 37.834 ng
RT: 15.582 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Tgt Ion:198 Resp: 36085
Ion Ratio Lower Upper
198 100
51 51.5 39.0 79.0
105 33.6 15.8 55.8

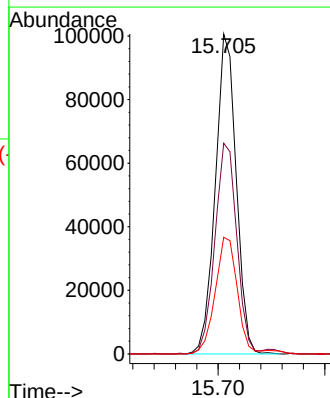
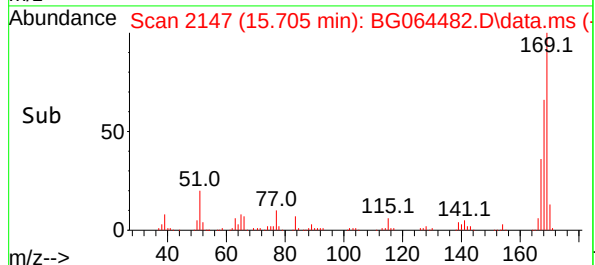
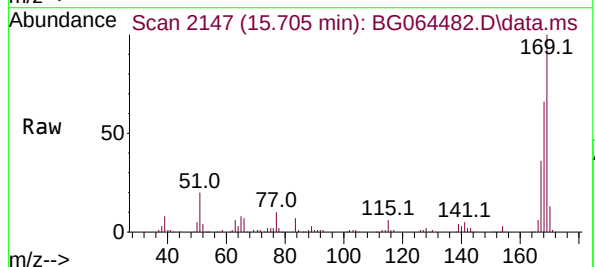
Manual Integrations
APPROVED

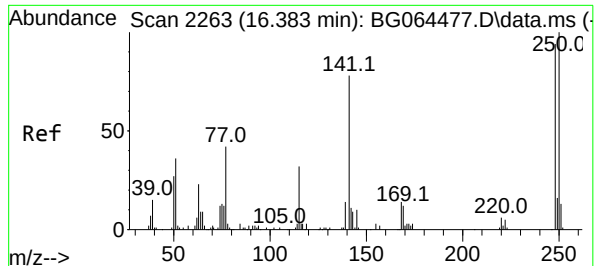
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#66
n-Nitrosodiphenylamine
Concen: 37.465 ng
RT: 15.705 min Scan# 2147
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

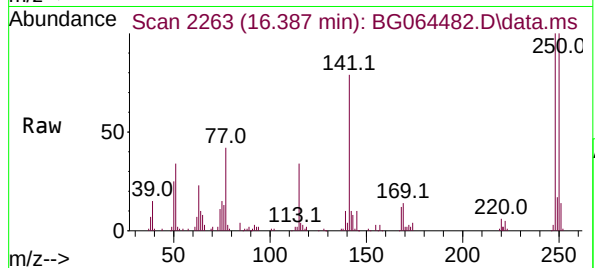
Tgt Ion:169 Resp: 137047
Ion Ratio Lower Upper
169 100
168 65.8 57.8 86.6
167 36.4 31.7 47.5





#67
4-Bromophenyl-phenylether
Concen: 36.819 ng
RT: 16.387 min Scan# 2263
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

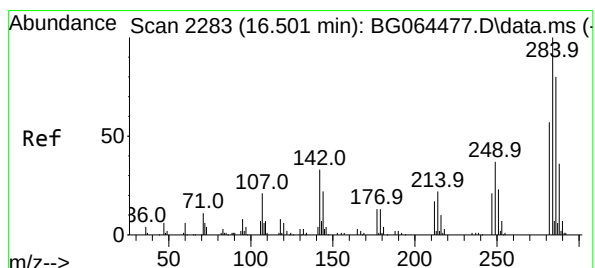
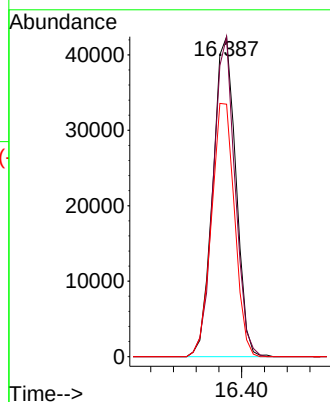
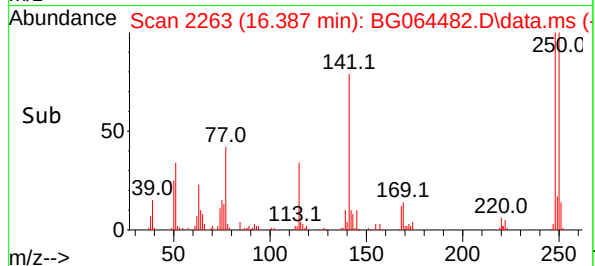
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:248 Resp: 5935
Ion Ratio Lower Upper
248 100
250 100.0 85.3 127.9
141 78.9 66.2 99.2

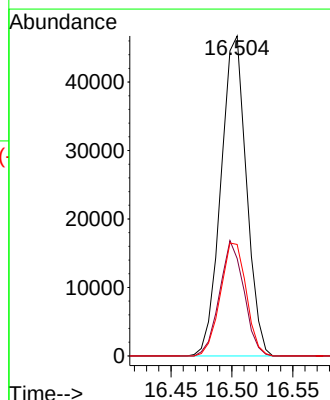
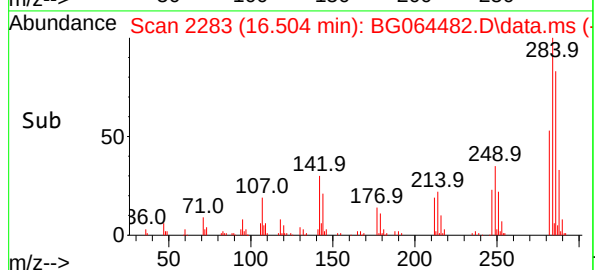
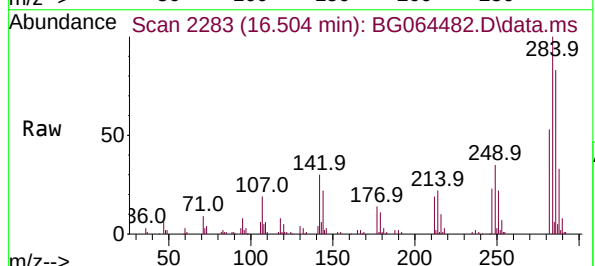
Manual Integrations
APPROVED

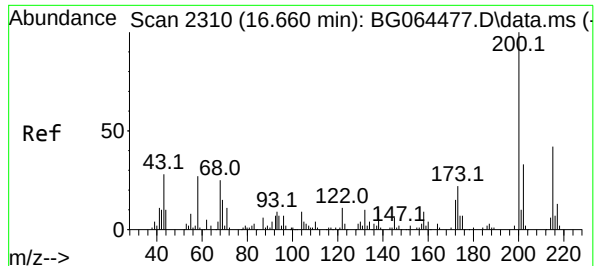
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#68
Hexachlorobenzene
Concen: 36.821 ng
RT: 16.504 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:284 Resp: 67918
Ion Ratio Lower Upper
284 100
142 30.4 26.2 39.2
249 34.8 29.4 44.0





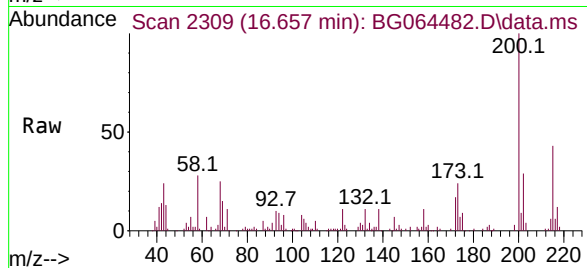
#69
Atrazine
Concen: 42.076 ng
RT: 16.657 min Scan# 2309
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

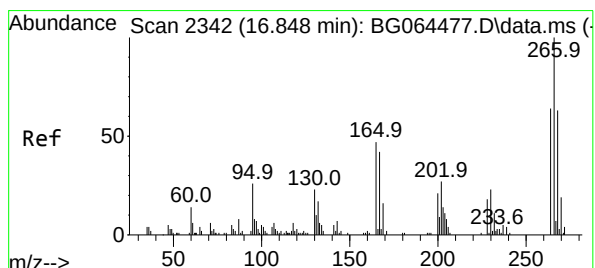
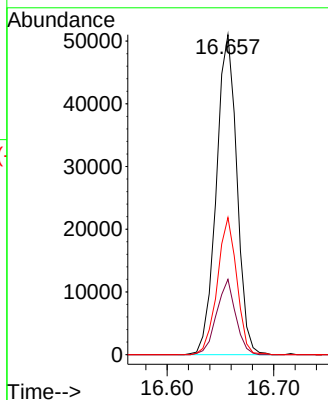
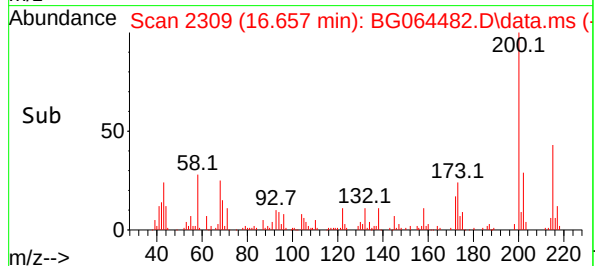


Tgt Ion:200 Resp: 68476
Ion Ratio Lower Upper
200 100
173 23.5 2.5 42.5
215 42.8 21.5 61.5

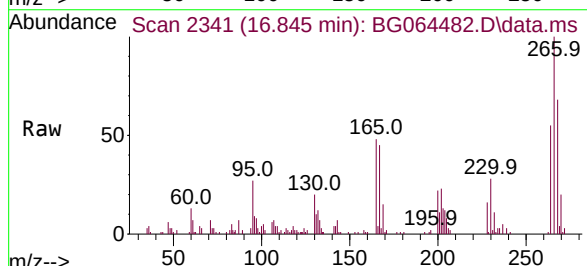
Manual Integrations

APPROVED

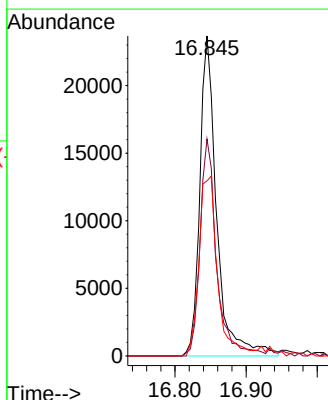
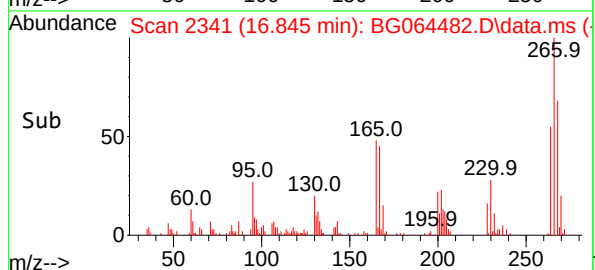
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

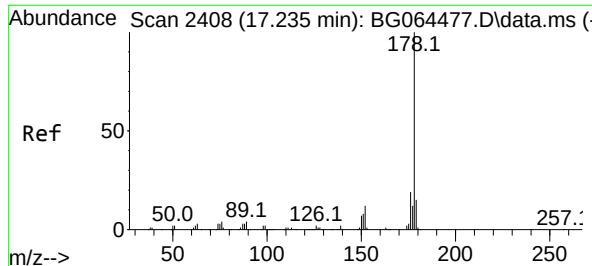


#70
Pentachlorophenol
Concen: 36.025 ng
RT: 16.845 min Scan# 2341
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09



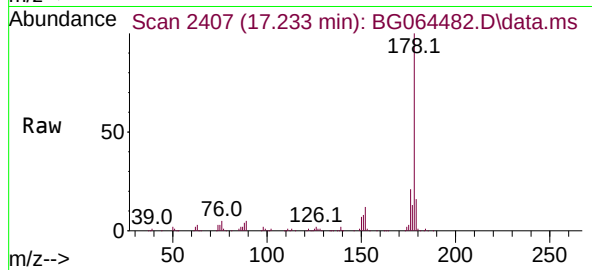
Tgt Ion:266 Resp: 38853
Ion Ratio Lower Upper
266 100
268 67.8 50.6 75.8
264 54.7 51.2 76.8





#71
Phenanthrene
Concen: 37.108 ng
RT: 17.233 min Scan# 2407
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

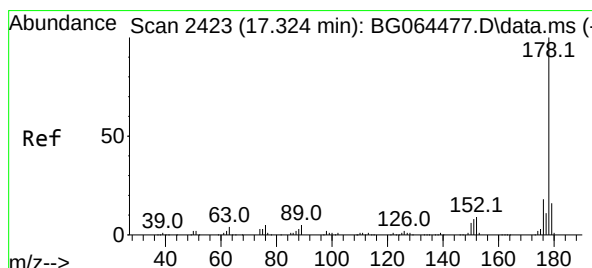
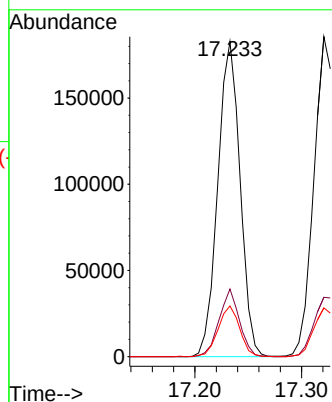
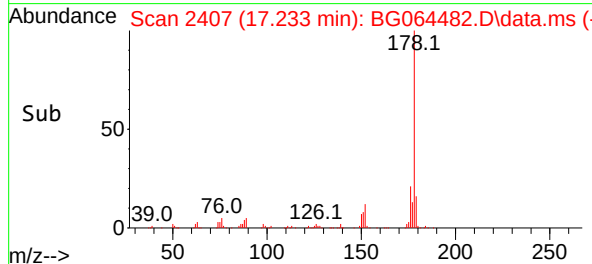
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:178 Resp: 265823
Ion Ratio Lower Upper
178 100
176 21.5 15.2 22.8
179 16.0 11.8 17.6

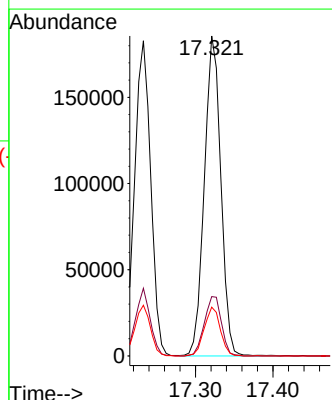
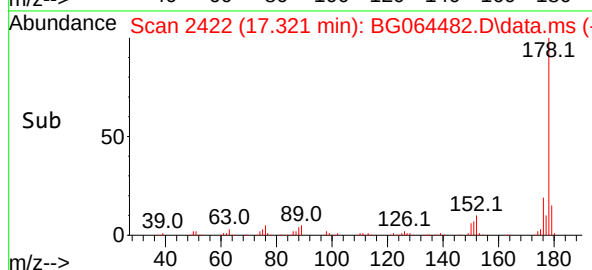
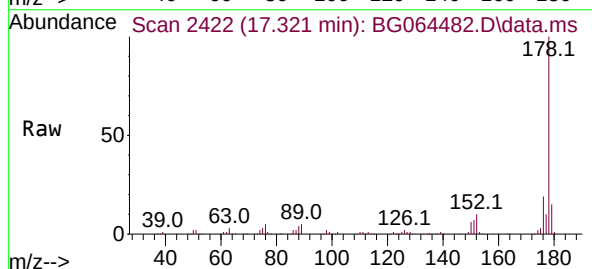
Manual Integrations
APPROVED

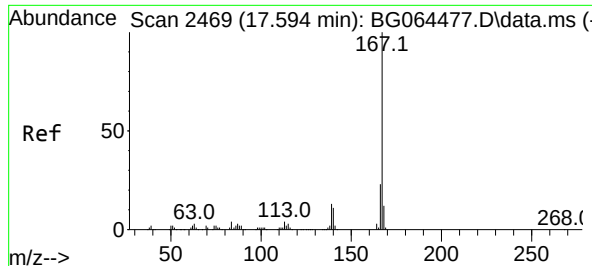
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#72
Anthracene
Concen: 38.159 ng
RT: 17.321 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

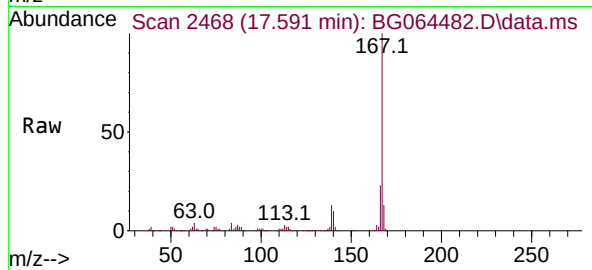
Tgt Ion:178 Resp: 274231
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 15.2 12.5 18.7





#73
Carbazole
Concen: 39.673 ng
RT: 17.591 min Scan# 24644
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

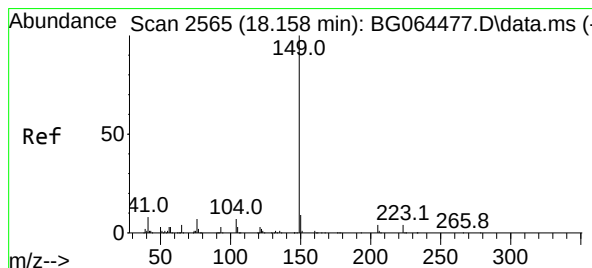
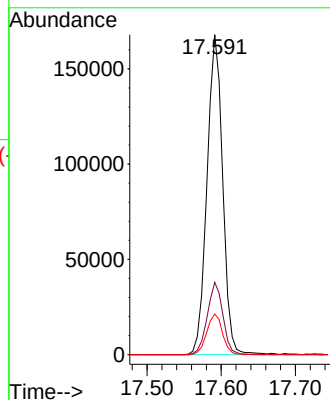
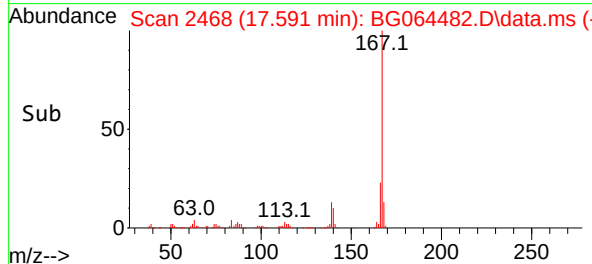
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:167 Resp: 24644
Ion Ratio Lower Upper
167 100
166 22.6 18.6 27.8
139 12.7 10.2 15.4

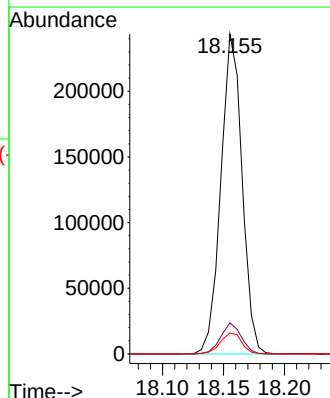
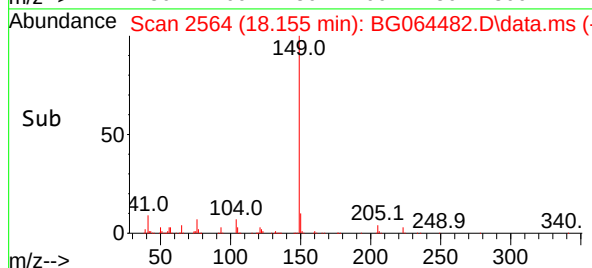
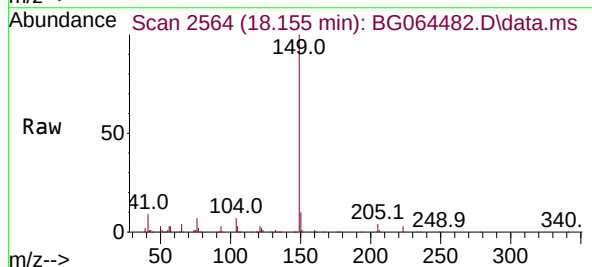
Manual Integrations
APPROVED

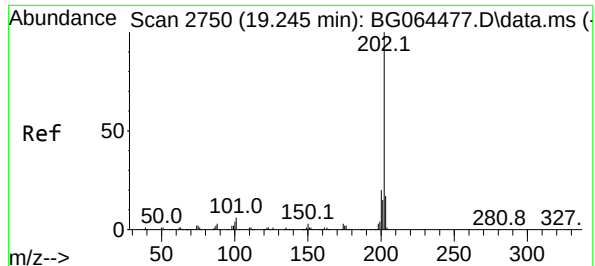
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#74
Di-n-butylphthalate
Concen: 38.852 ng
RT: 18.155 min Scan# 2564
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

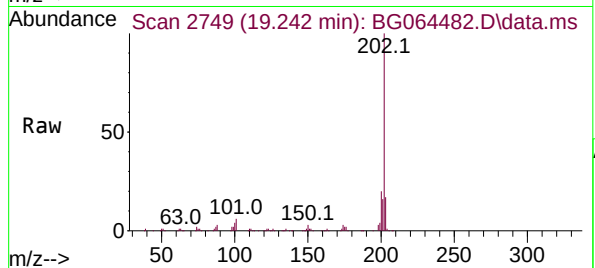
Tgt Ion:149 Resp: 294614
Ion Ratio Lower Upper
149 100
150 9.7 7.4 11.2
104 6.5 5.3 7.9





#75
Fluoranthene
Concen: 38.739 ng
RT: 19.242 min Scan# 2750
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

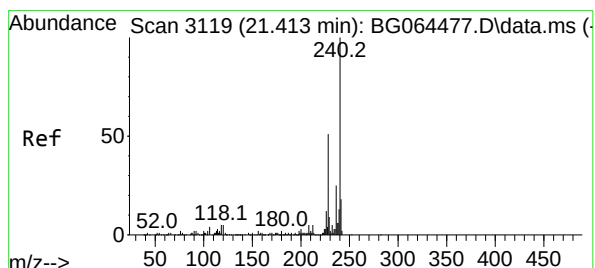
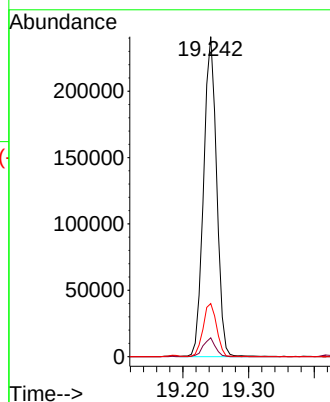
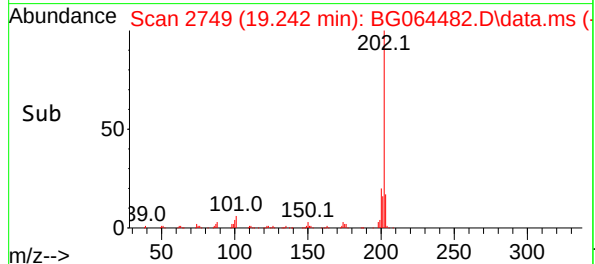
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:202 Resp: 331530
Ion Ratio Lower Upper
202 100
101 5.9 0.0 25.7
203 16.6 0.0 36.6

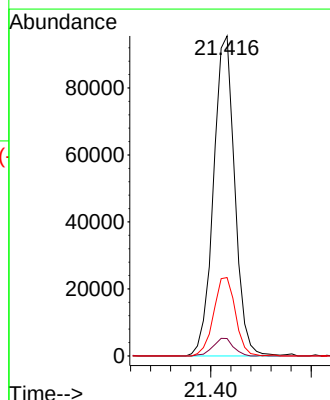
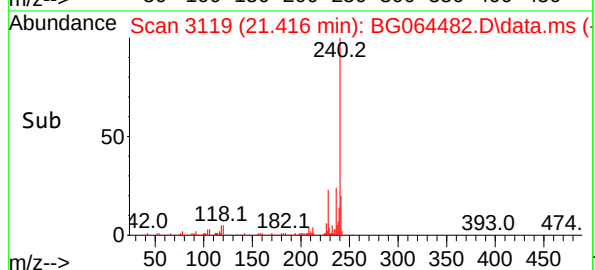
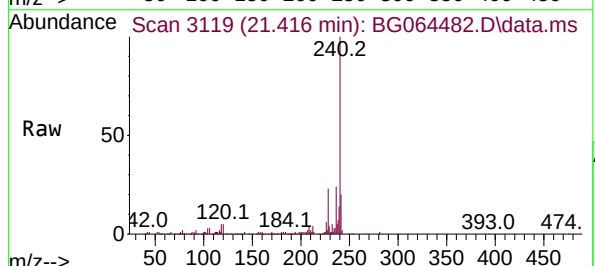
Manual Integrations
APPROVED

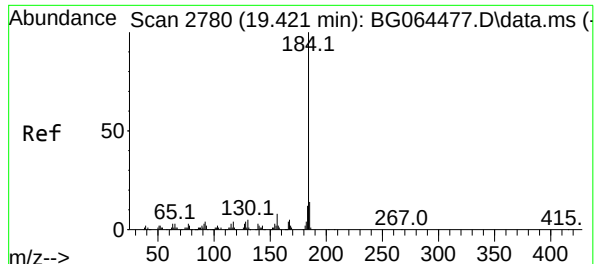
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

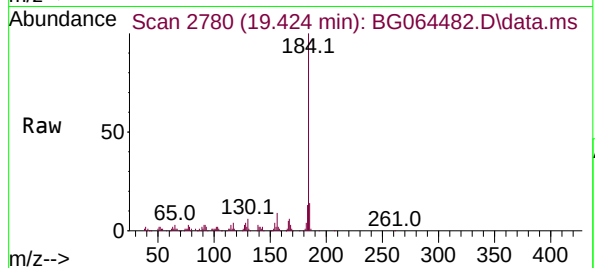
Tgt Ion:240 Resp: 140392
Ion Ratio Lower Upper
240 100
120 5.4 4.3 6.5
236 24.5 20.4 30.6





#77
Benzidine
Concen: 43.772 ng
RT: 19.424 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

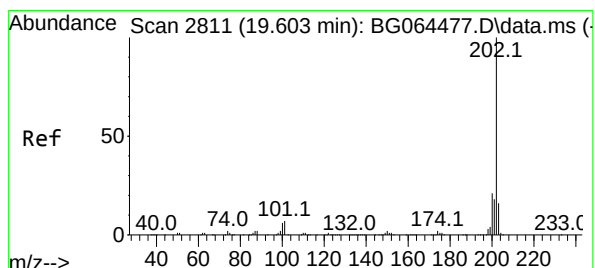
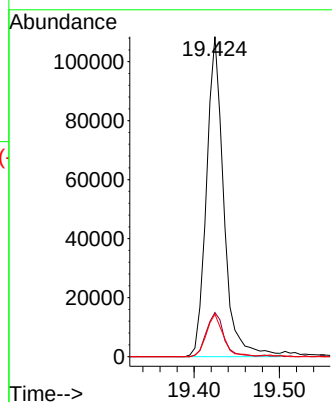
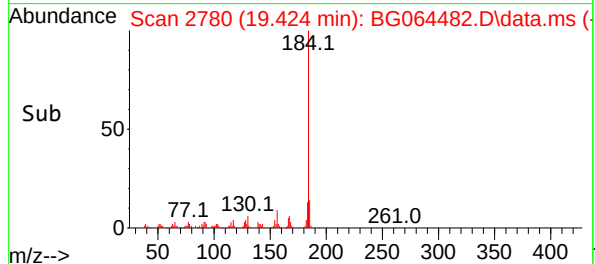
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:184 Resp: 152917
Ion Ratio Lower Upper
184 100
185 13.8 10.9 16.3
183 13.3 9.8 14.6

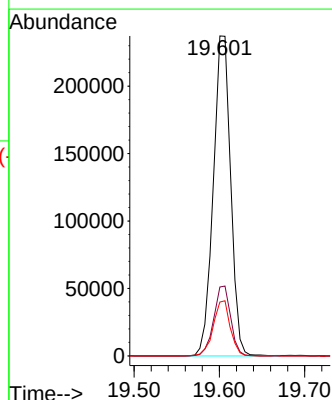
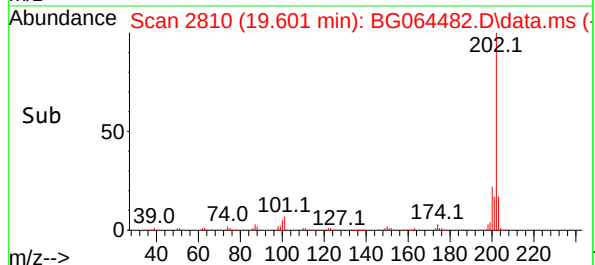
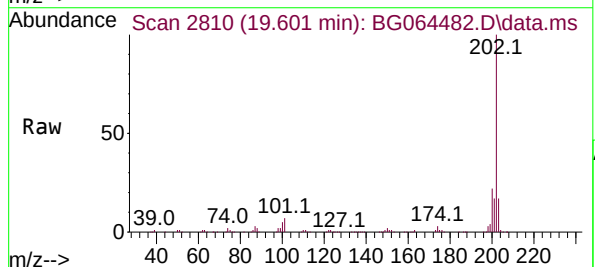
Manual Integrations
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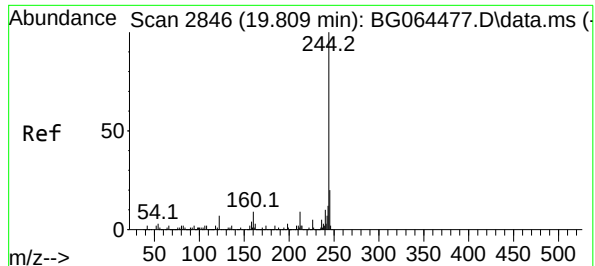
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#78
Pyrene
Concen: 36.856 ng
RT: 19.601 min Scan# 2810
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:202 Resp: 335798
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 16.8 13.0 19.4





#79

Terphenyl-d14

Concen: 76.071 ng

RT: 19.806 min Scan# 2846

Delta R.T. -0.000 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

Tgt Ion:244 Resp: 564322

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

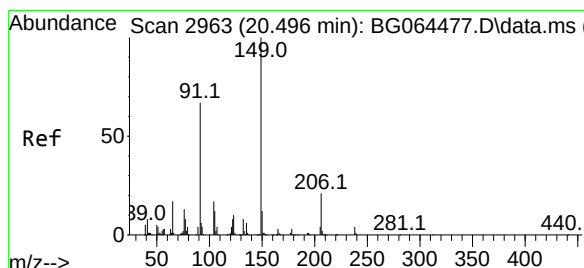
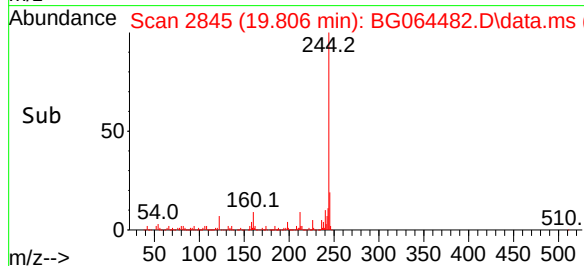
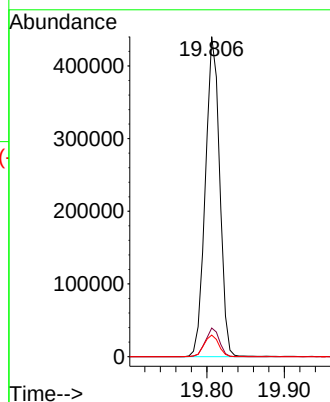
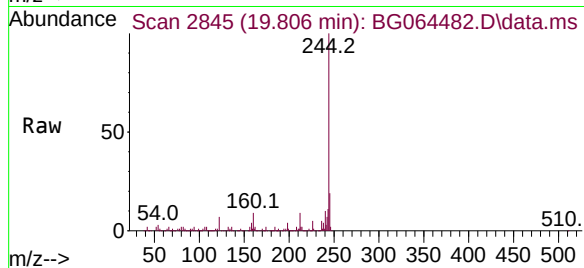
122 6.7 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#80

Butylbenzylphthalate

Concen: 37.565 ng

RT: 20.500 min Scan# 2963

Delta R.T. -0.000 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

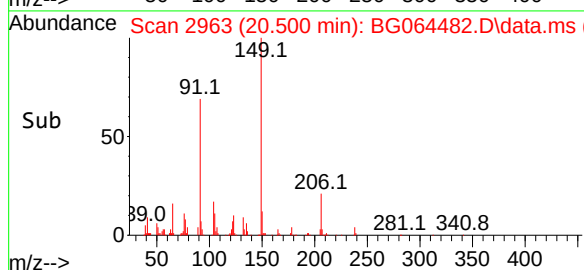
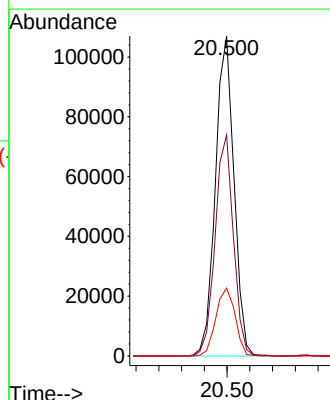
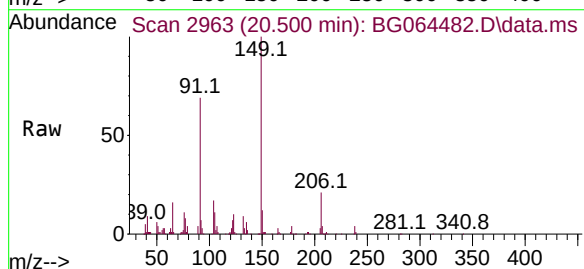
Tgt Ion:149 Resp: 121325

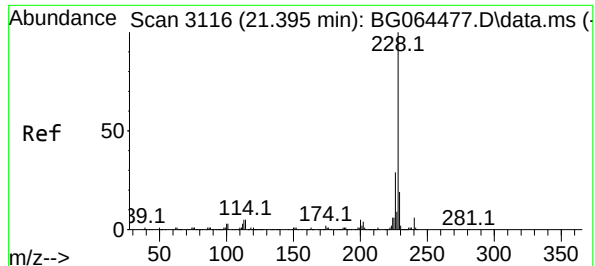
Ion Ratio Lower Upper

149 100

91 69.0 53.7 80.5

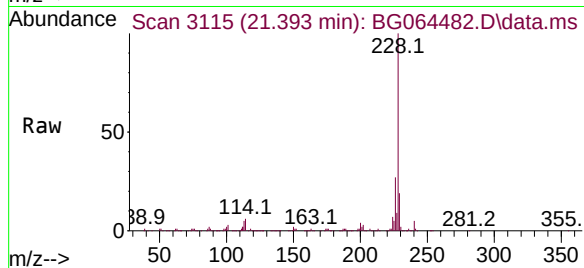
206 21.2 16.6 24.8





#81
Benzo(a)anthracene
Concen: 37.867 ng
RT: 21.393 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

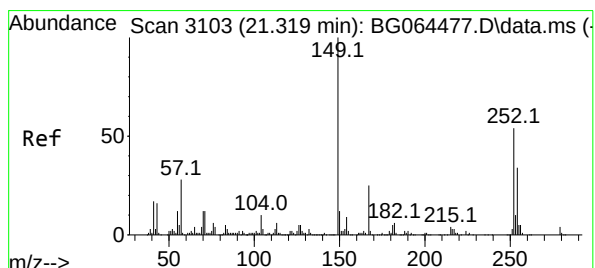
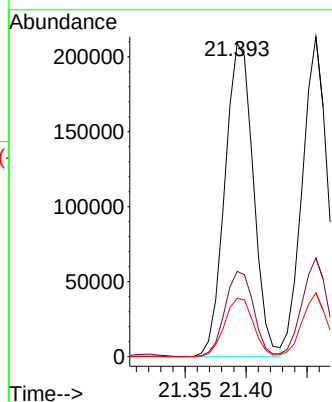
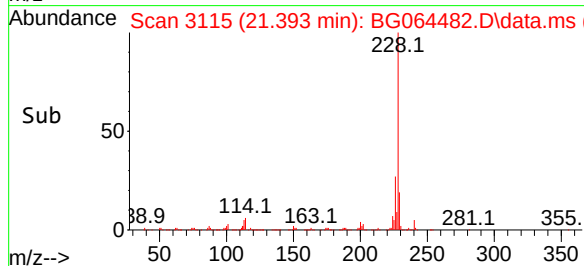
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



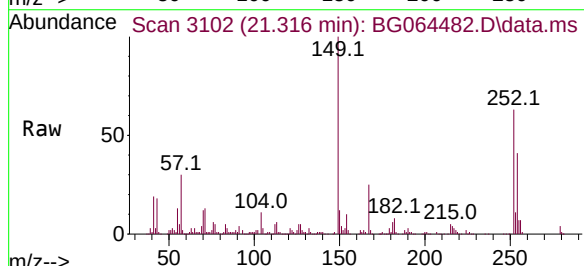
Tgt Ion:228 Resp: 339443
Ion Ratio Lower Upper
228 100
226 27.2 22.8 34.2
229 18.6 15.2 22.8

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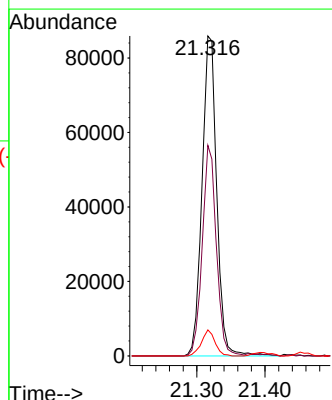
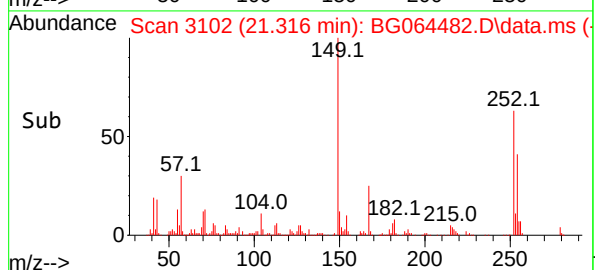
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

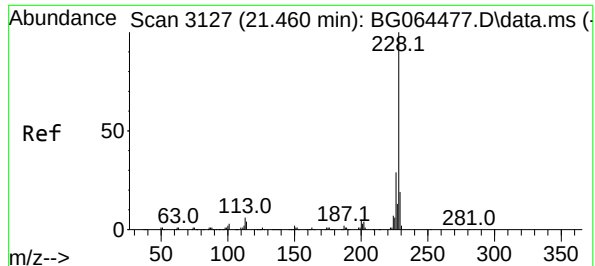


#82
3,3'-Dichlorobenzidine
Concen: 42.355 ng
RT: 21.316 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09



Tgt Ion:252 Resp: 128504
Ion Ratio Lower Upper
252 100
254 65.8 50.5 75.7
126 8.1 7.1 10.7





#83

Chrysene

Concen: 36.434 ng

RT: 21.457 min Scan# 3127

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

Tgt Ion:228 Resp: 309731

Ion Ratio Lower Upper

228 100

226 30.8 22.8 34.2

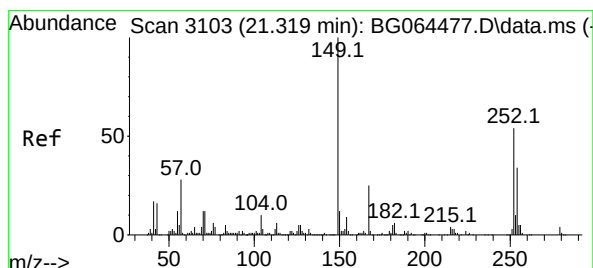
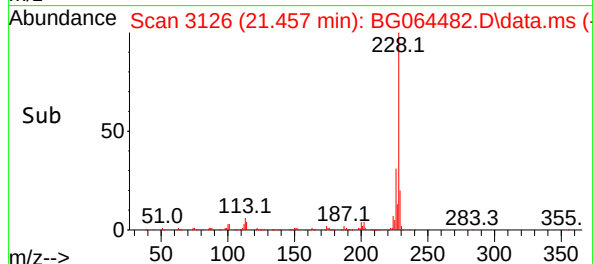
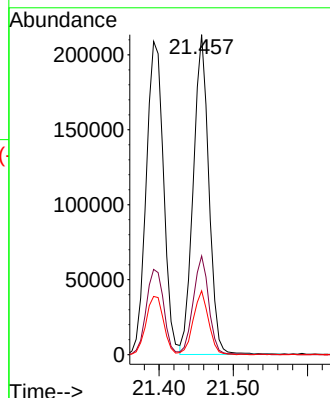
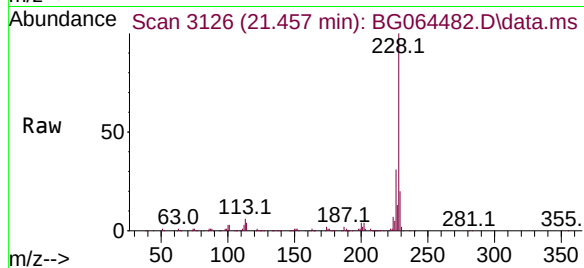
229 19.9 15.4 23.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.082 ng

RT: 21.316 min Scan# 3102

Delta R.T. -0.000 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

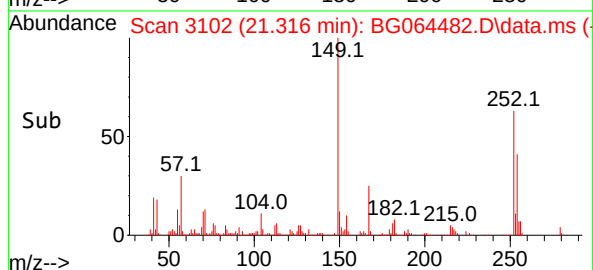
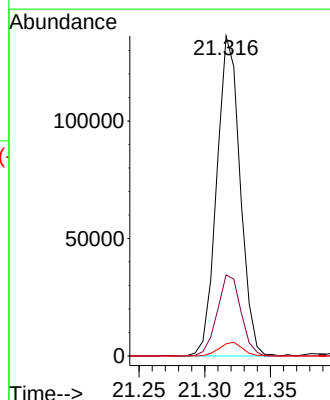
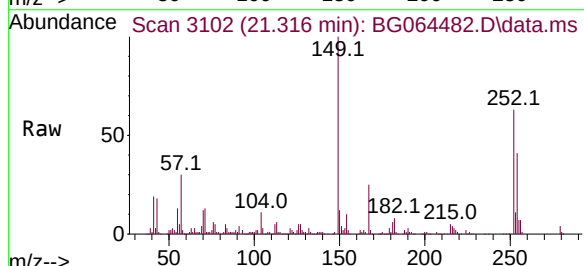
Tgt Ion:149 Resp: 168982

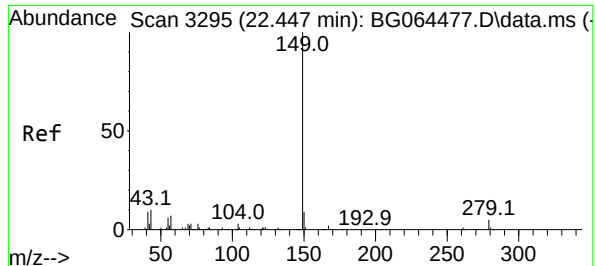
Ion Ratio Lower Upper

149 100

167 25.3 19.7 29.5

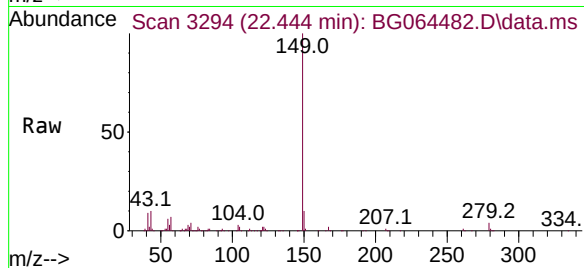
279 3.8 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 36.720 ng
RT: 22.444 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

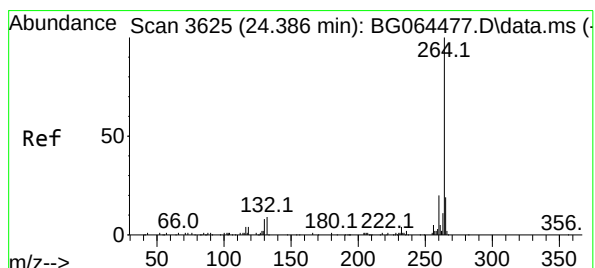
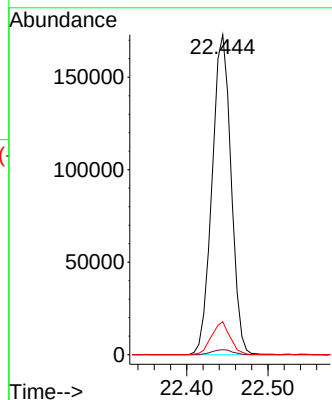
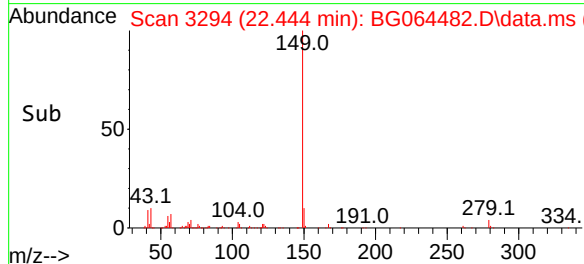
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:149 Resp: 281232
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 10.0 7.9 11.9

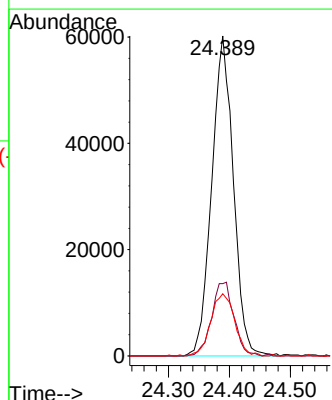
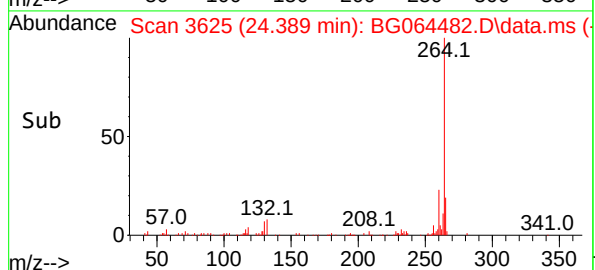
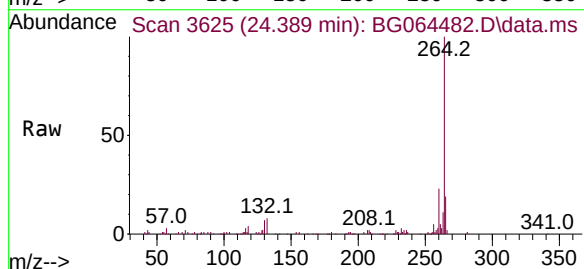
Manual Integrations
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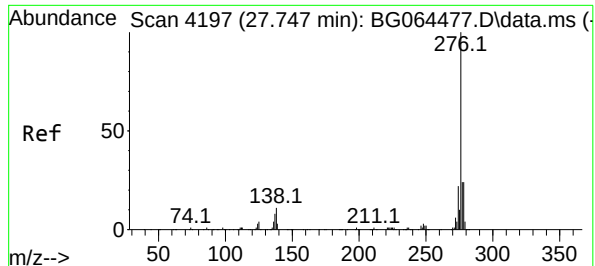
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.389 min Scan# 3625
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

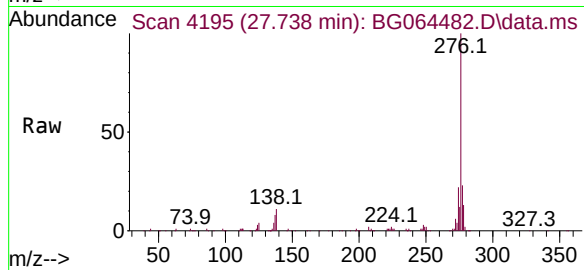
Tgt Ion:264 Resp: 148372
Ion Ratio Lower Upper
264 100
260 22.6 16.2 24.4
265 19.4 15.0 22.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 37.816 ng
RT: 27.738 min Scan# 4195
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

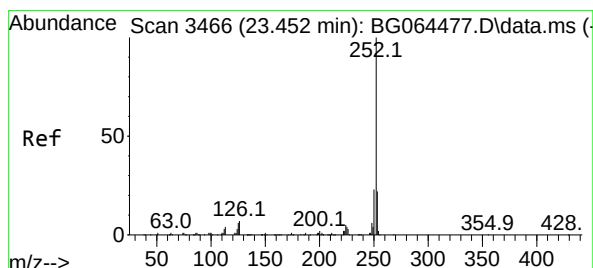
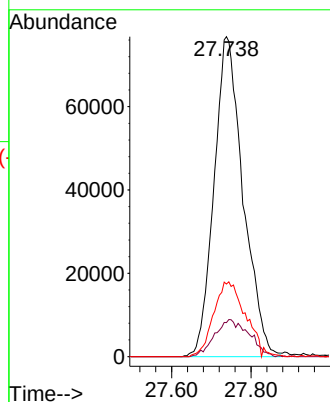
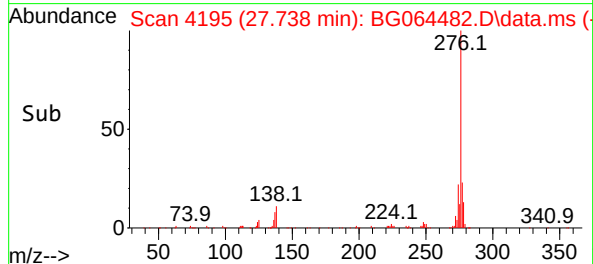
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:276 Resp: 390549
Ion Ratio Lower Upper
276 100
138 13.6 10.8 16.2
277 25.8 20.3 30.5

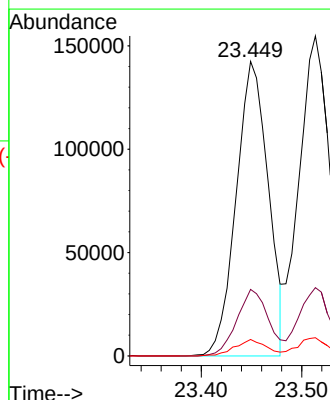
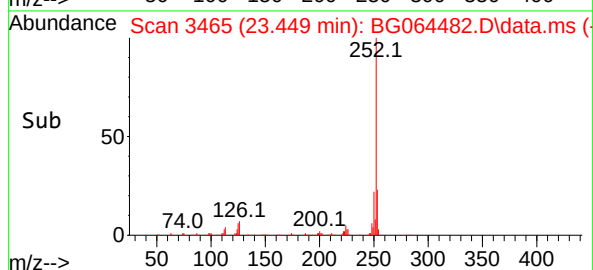
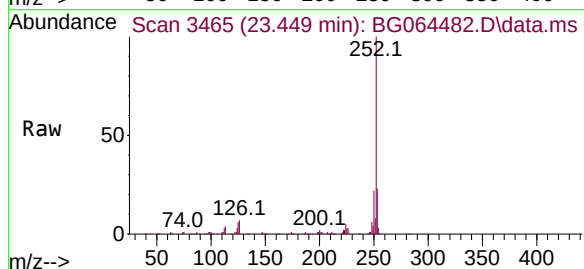
Manual Integrations
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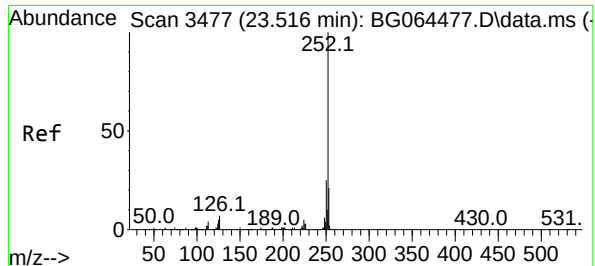
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#88
Benzo(b)fluoranthene
Concen: 37.423 ng
RT: 23.449 min Scan# 3465
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:252 Resp: 315880
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 5.6 4.5 6.7





#89

Benzo(k)fluoranthene

Concen: 39.643 ng

RT: 23.514 min Scan# 3477

Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

Instrument :

BNA_G

ClientSampleId :

ICVBG100225

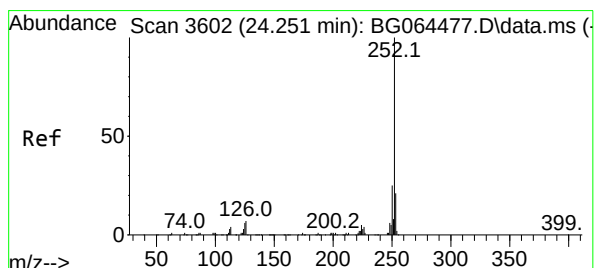
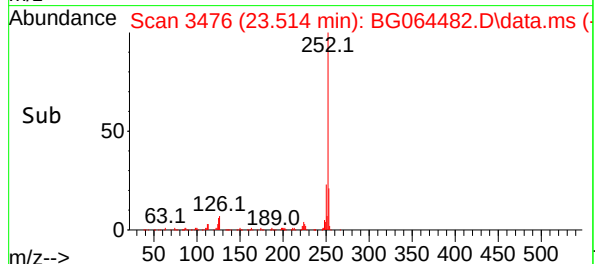
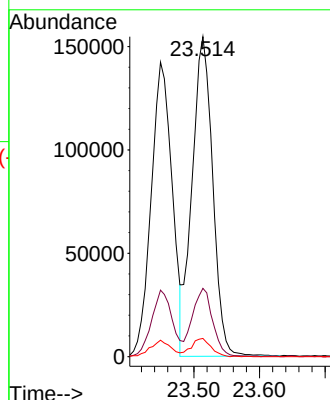
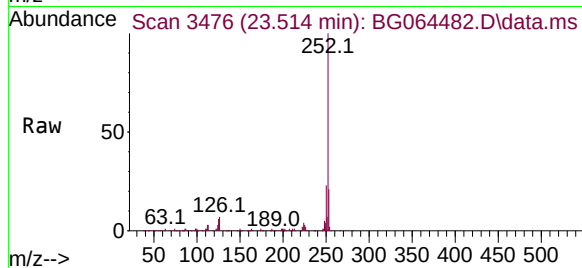
Tgt Ion:	252	Resp:	337015
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.4	26.2
125	5.7	4.0	6.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#90

Benzo(a)pyrene

Concen: 39.468 ng

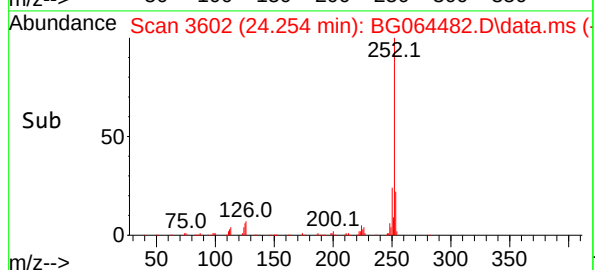
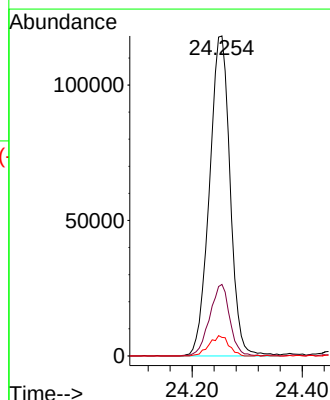
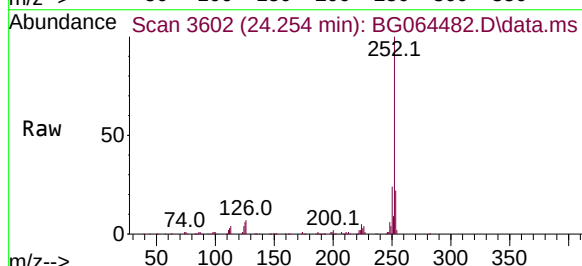
RT: 24.254 min Scan# 3602

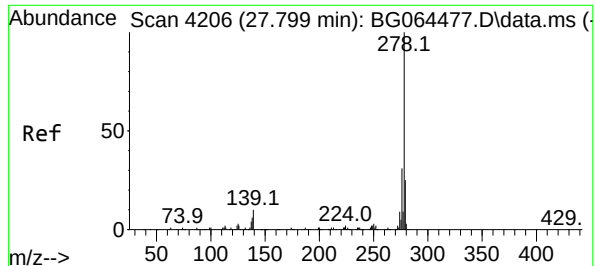
Delta R.T. 0.006 min

Lab File: BG064482.D

Acq: 2 Oct 2025 18:09

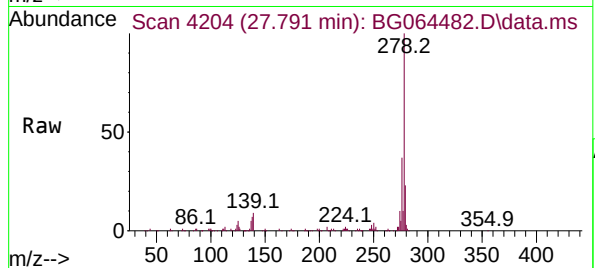
Tgt Ion:	252	Resp:	307034
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.1	25.7
125	5.8	4.6	6.8





#91
Dibenzo(a,h)anthracene
Concen: 38.585 ng
RT: 27.791 min Scan# 4206
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

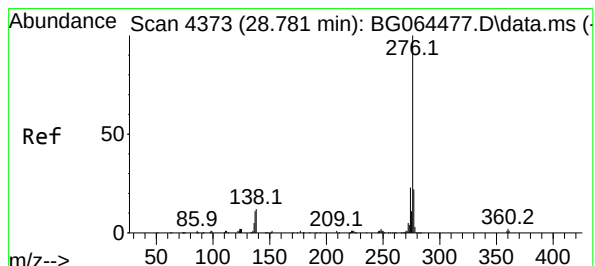
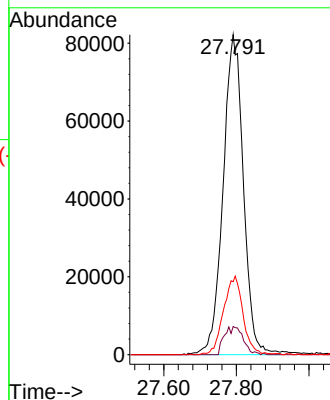
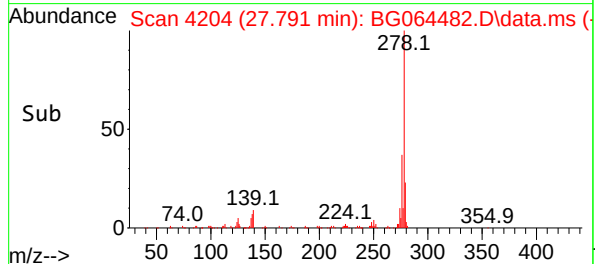
Instrument :
BNA_G
ClientSampleId :
ICVBG100225



Tgt Ion:278 Resp: 31867
Ion Ratio Lower Upper
278 100
139 8.8 8.2 12.2
279 22.8 19.6 29.4

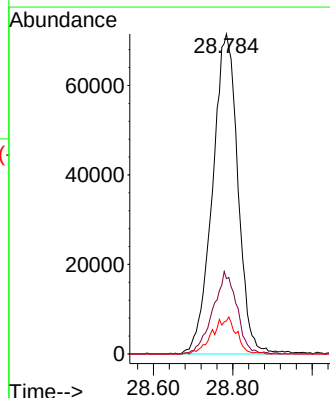
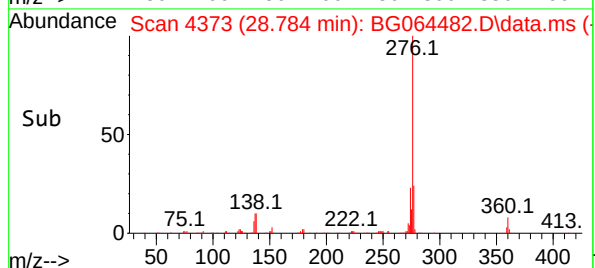
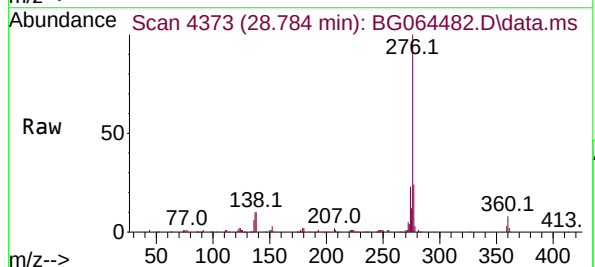
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 39.498 ng
RT: 28.784 min Scan# 4373
Delta R.T. 0.017 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:276 Resp: 317018
Ion Ratio Lower Upper
276 100
277 23.5 17.8 26.6
138 10.3 9.4 14.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064482.D
 Acq On : 2 Oct 2025 18:09
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ICVBG100225

Quant Time: Oct 02 18:56:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 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	0.427	0.392	8.2	81	0.00
3	Pyridine	1.149	1.017	11.5	75	0.00
4	n-Nitrosodimethylamine	0.833	0.813	2.4	86	0.00
5 S	2-Fluorophenol	1.081	1.018	5.8	78	0.00
6	Aniline	1.832	1.883	-2.8	85	0.00
7 S	Phenol-d6	1.452	1.407	3.1	79	0.01
8	2-Chlorophenol	1.327	1.231	7.2	77	0.00
9	Benzaldehyde	1.289	1.040	19.3	62	0.00
10 C	Phenol	1.532	1.471	4.0	80	0.00
11	bis(2-Chloroethyl)ether	1.038	0.969	6.6	78	0.00
12	1,3-Dichlorobenzene	1.452	1.361	6.3	78	0.00
13 C	1,4-Dichlorobenzene	1.457	1.452	0.3	84	0.00
14	1,2-Dichlorobenzene	1.436	1.381	3.8	82	0.00
15	Benzyl Alcohol	1.337	1.363	-1.9	86	0.00
16	2,2'-oxybis(1-Chloropropane	1.672	1.597	4.5	81	0.01
17	2-Methylphenol	1.109	1.069	3.6	80	0.00
18	Hexachloroethane	0.575	0.545	5.2	82	0.00
19 P	n-Nitroso-di-n-propylamine	0.971	0.995	-2.5	83	0.01
20	3+4-Methylphenols	1.548	1.505	2.8	81	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	92	0.00
22	Acetophenone	0.484	0.483	0.2	86	0.00
23 S	Nitrobenzene-d5	0.372	0.339	8.9	79	0.01
24	Nitrobenzene	0.371	0.345	7.0	80	0.00
25	Isophorone	0.674	0.660	2.1	84	0.01
26 C	2-Nitrophenol	0.185	0.163	11.9	78	0.00
27	2,4-Dimethylphenol	0.282	0.296	-5.0	91	0.00
28	bis(2-Chloroethoxy)methane	0.343	0.331	3.5	81	0.00
29 C	2,4-Dichlorophenol	0.326	0.317	2.8	85	0.00
30	1,2,4-Trichlorobenzene	0.356	0.344	3.4	84	0.00
31	Naphthalene	1.030	0.991	3.8	82	0.00
32	Benzoic acid	0.216	0.218	-0.9	87	0.05
33	4-Chloroaniline	0.395	0.423	-7.1	93	0.00
34 C	Hexachlorobutadiene	0.304	0.278	8.6	81	0.00
35	Caprolactam	0.112	0.108	3.6	86	0.02
36 C	4-Chloro-3-methylphenol	0.397	0.381	4.0	83	0.00
37	2-Methylnaphthalene	0.791	0.696	12.0	76	0.00
38	1-Methylnaphthalene	0.788	0.728	7.6	81	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40	1,2,4,5-Tetrachlorobenzene	0.646	0.622	3.7	84	0.00
41 P	Hexachlorocyclopentadiene	0.338	0.426	-26.0#	112	0.00
42 S	2,4,6-Tribromophenol	0.363	0.348	4.1	87	0.00
43 C	2,4,6-Trichlorophenol	0.413	0.403	2.4	86	0.00
44	2,4,5-Trichlorophenol	0.461	0.436	5.4	85	0.00
45 S	2-Fluorobiphenyl	1.357	1.264	6.9	84	0.00
46	1,1'-Biphenyl	1.438	1.393	3.1	87	0.00
47	2-Chloronaphthalene	1.074	1.013	5.7	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064482.D
 Acq On : 2 Oct 2025 18:09
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ICVBG100225

Quant Time: Oct 02 18:56:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 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	0.367	0.359	2.2	86	0.00
49	Acenaphthylene	1.594	1.747	-9.6	98	0.00
50	Dimethylphthalate	1.566	1.484	5.2	87	0.00
51	2,6-Dinitrotoluene	0.326	0.316	3.1	89	0.00
52 C	Acenaphthene	1.108	1.015	8.4	83	0.00
53	3-Nitroaniline	0.301	0.306	-1.7	91	0.00
54 P	2,4-Dinitrophenol	0.237	0.198	16.5	91	0.00
55	Dibenzofuran	1.829	1.744	4.6	87	0.00
56 P	4-Nitrophenol	0.237	0.235	0.8	86	0.00
57	2,4-Dinitrotoluene	0.499	0.491	1.6	89	0.00
58	Fluorene	1.520	1.500	1.3	89	0.00
59	2,3,4,6-Tetrachlorophenol	0.470	0.471	-0.2	89	0.00
60	Diethylphthalate	1.680	1.610	4.2	89	0.00
61	4-Chlorophenyl-phenylether	0.830	0.756	8.9	83	0.00
62	4-Nitroaniline	0.314	0.325	-3.5	93	0.00
63	Azobenzene	1.301	1.254	3.6	89	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	0.139	0.132	5.0	91	0.00
66 c	n-Nitrosodiphenylamine	0.534	0.500	6.4	88	0.00
67	4-Bromophenyl-phenylether	0.235	0.217	7.7	85	0.00
68	Hexachlorobenzene	0.269	0.248	7.8	86	0.00
69	Atrazine	0.238	0.250	-5.0	100	0.00
70 C	Pentachlorophenol	0.157	0.142	9.6	84	0.00
71	Phenanthrene	1.046	0.970	7.3	87	0.00
72	Anthracene	1.049	1.001	4.6	89	0.00
73	Carbazole	0.907	0.900	0.8	91	0.00
74	Di-n-butylphthalate	1.107	1.075	2.9	90	0.00
75 C	Fluoranthene	1.250	1.210	3.2	91	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77	Benzidine	0.498	0.545	-9.4	85	0.00
78	Pyrene	1.298	1.196	7.9	88	0.00
79 S	Terphenyl-d14	1.057	1.005	4.9	91	0.00
80	Butylbenzylphthalate	0.460	0.432	6.1	89	0.00
81	Benzo(a)anthracene	1.277	1.209	5.3	91	0.00
82	3,3'-Dichlorobenzidine	0.432	0.458	-6.0	102	0.00
83	Chrysene	1.211	1.103	8.9	87	0.00
84	Bis(2-ethylhexyl)phthalate	0.649	0.602	7.2	89	0.00
85 c	Di-n-octyl phthalate	1.091	1.002	8.2	88	0.00
86 I	Perylene-d12	1.000	1.000	0.0	101	0.00
87	Indeno(1,2,3-cd)pyrene	1.392	1.316	5.5	89	0.00
88	Benzo(b)fluoranthene	1.138	1.064	6.5	89	0.00
89	Benzo(k)fluoranthene	1.146	1.136	0.9	93	0.00
90 C	Benzo(a)pyrene	1.049	1.035	1.3	93	0.00
91	Dibenzo(a,h)anthracene	1.113	1.074	3.5	91	0.01
92	Benzo(g,h,i)perylene	1.082	1.068	1.3	93	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 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\BG100225\
 Data File : BG064482.D
 Acq On : 2 Oct 2025 18:09
 Operator : RC/JU
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	91	0.00
2	1,4-Dioxane	40.000	36.657	8.4	81	0.00
3	Pyridine	40.000	35.418	11.5	75	0.00
4	n-Nitrosodimethylamine	40.000	39.031	2.4	86	0.00
5 S	2-Fluorophenol	80.000	75.359	5.8	78	0.00
6	Aniline	40.000	41.109	-2.8	85	0.00
7 S	Phenol-d6	80.000	77.494	3.1	79	0.01
8	2-Chlorophenol	40.000	37.094	7.3	77	0.00
9	Benzaldehyde	40.000	32.268	19.3	62	0.00
10 C	Phenol	40.000	38.413	4.0	80	0.00
11	bis(2-Chloroethyl)ether	40.000	37.341	6.6	78	0.00
12	1,3-Dichlorobenzene	40.000	37.504	6.2	78	0.00
13 C	1,4-Dichlorobenzene	40.000	39.872	0.3	84	0.00
14	1,2-Dichlorobenzene	40.000	38.466	3.8	82	0.00
15	Benzyl Alcohol	40.000	40.756	-1.9	86	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.204	4.5	81	0.01
17	2-Methylphenol	40.000	38.553	3.6	80	0.00
18	Hexachloroethane	40.000	37.877	5.3	82	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.984	-2.5	83	0.01
20	3+4-Methylphenols	40.000	38.893	2.8	81	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	92	0.00
22	Acetophenone	40.000	39.906	0.2	86	0.00
23 S	Nitrobenzene-d5	80.000	72.999	8.8	79	0.01
24	Nitrobenzene	40.000	37.170	7.1	80	0.00
25	Isophorone	40.000	39.198	2.0	84	0.01
26 C	2-Nitrophenol	40.000	35.388	11.5	78	0.00
27	2,4-Dimethylphenol	40.000	41.959	-4.9	91	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.540	3.7	81	0.00
29 C	2,4-Dichlorophenol	40.000	38.857	2.9	85	0.00
30	1,2,4-Trichlorobenzene	40.000	38.743	3.1	84	0.00
31	Naphthalene	40.000	38.491	3.8	82	0.00
32	Benzoic acid	40.000	40.223	-0.6	87	0.05
33	4-Chloroaniline	40.000	42.784	-7.0	93	0.00
34 C	Hexachlorobutadiene	40.000	36.587	8.5	81	0.00
35	Caprolactam	40.000	38.812	3.0	86	0.02
36 C	4-Chloro-3-methylphenol	40.000	38.389	4.0	83	0.00
37	2-Methylnaphthalene	40.000	35.191	12.0	76	0.00
38	1-Methylnaphthalene	40.000	36.933	7.7	81	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.511	3.7	84	0.00
41 P	Hexachlorocyclopentadiene	40.000	50.483	-26.2#	112	0.00
42 S	2,4,6-Tribromophenol	80.000	76.705	4.1	87	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.030	2.4	86	0.00
44	2,4,5-Trichlorophenol	40.000	37.827	5.4	85	0.00
45 S	2-Fluorobiphenyl	80.000	74.539	6.8	84	0.00
46	1,1'-Biphenyl	40.000	38.735	3.2	87	0.00
47	2-Chloronaphthalene	40.000	37.716	5.7	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
 Data File : BG064482.D
 Acq On : 2 Oct 2025 18:09
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ICVBG100225

Quant Time: Oct 02 18:56:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 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	39.151	2.1	86	0.00
49	Acenaphthylene	40.000	43.842	-9.6	98	0.00
50	Dimethylphthalate	40.000	37.903	5.2	87	0.00
51	2,6-Dinitrotoluene	40.000	38.742	3.1	89	0.00
52 C	Acenaphthene	40.000	36.666	8.3	83	0.00
53	3-Nitroaniline	40.000	40.727	-1.8	91	0.00
54 P	2,4-Dinitrophenol	40.000	33.540	16.2	91	0.00
55	Dibenzofuran	40.000	38.141	4.6	87	0.00
56 P	4-Nitrophenol	40.000	39.712	0.7	86	0.00
57	2,4-Dinitrotoluene	40.000	39.388	1.5	89	0.00
58	Fluorene	40.000	39.456	1.4	89	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.021	-0.1	89	0.00
60	Diethylphthalate	40.000	38.317	4.2	89	0.00
61	4-Chlorophenyl-phenylether	40.000	36.432	8.9	83	0.00
62	4-Nitroaniline	40.000	41.435	-3.6	93	0.00
63	Azobenzene	40.000	38.553	3.6	89	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.834	5.4	91	0.00
66 c	n-Nitrosodiphenylamine	40.000	37.465	6.3	88	0.00
67	4-Bromophenyl-phenylether	40.000	36.819	8.0	85	0.00
68	Hexachlorobenzene	40.000	36.821	7.9	86	0.00
69	Atrazine	40.000	42.076	-5.2	100	0.00
70 C	Pentachlorophenol	40.000	36.025	9.9	84	0.00
71	Phenanthrene	40.000	37.108	7.2	87	0.00
72	Anthracene	40.000	38.159	4.6	89	0.00
73	Carbazole	40.000	39.673	0.8	91	0.00
74	Di-n-butylphthalate	40.000	38.852	2.9	90	0.00
75 C	Fluoranthene	40.000	38.739	3.2	91	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77	Benzidine	40.000	43.772	-9.4	85	0.00
78	Pyrene	40.000	36.856	7.9	88	0.00
79 S	Terphenyl-d14	80.000	76.071	4.9	91	0.00
80	Butylbenzylphthalate	40.000	37.565	6.1	89	0.00
81	Benzo(a)anthracene	40.000	37.867	5.3	91	0.00
82	3,3'-Dichlorobenzidine	40.000	42.355	-5.9	102	0.00
83	Chrysene	40.000	36.434	8.9	87	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	37.082	7.3	89	0.00
85 c	Di-n-octyl phthalate	40.000	36.720	8.2	88	0.00
86 I	Perylene-d12	20.000	20.000	0.0	101	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	37.816	5.5	89	0.00
88	Benzo(b)fluoranthene	40.000	37.423	6.4	89	0.00
89	Benzo(k)fluoranthene	40.000	39.643	0.9	93	0.00
90 C	Benzo(a)pyrene	40.000	39.468	1.3	93	0.00
91	Dibenzo(a,h)anthracene	40.000	38.585	3.5	91	0.01
92	Benzo(g,h,i)perylene	40.000	39.498	1.3	93	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
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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)

(#) = 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: Alliance Contract: ROYF02
 Lab Code: ACE SDG No.: Q3321
 Instrument ID: BNA_G Calibration Date/Time: 10/14/2025 11:50
 Lab File ID: BG064497.D Init. Calib. Date(s): 10/02/2025 10/02/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.149	1.177		2.4	
2-Fluorophenol	1.081	1.132		4.7	
Phenol-d6	1.452	1.508		3.9	
1,4-Dichlorobenzene	1.457	1.529		4.9	20.0
2-Methylphenol	1.109	1.186		6.9	
3+4-Methylphenols	1.548	1.664		7.5	
Nitrobenzene-d5	0.372	0.396		6.5	
Hexachloroethane	0.575	0.584		1.6	
Nitrobenzene	0.371	0.403		8.6	
Hexachlorobutadiene	0.304	0.316		3.9	20.0
2,4,6-Trichlorophenol	0.413	0.453		9.7	20.0
2-Fluorobiphenyl	1.357	1.445		6.5	
2,4,5-Trichlorophenol	0.461	0.503		9.1	
2,4-Dinitrotoluene	0.499	0.555		11.2	
2,4,6-Tribromophenol	0.363	0.392		8.0	
Hexachlorobenzene	0.269	0.285		5.9	
Pentachlorophenol	0.157	0.183		16.6	20.0
Terphenyl-d14	1.057	1.127		6.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
 Data File : BG064497.D
 Acq On : 14 Oct 2025 11:50
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 14 12:27:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.821	152	18728	20.000	ng	# 0.00
21) Naphthalene-d8	10.612	136	80006	20.000	ng	# 0.00
39) Acenaphthene-d10	14.448	164	58975	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	150748	20.000	ng	0.00
76) Chrysene-d12	21.417	240	156602	20.000	ng	0.00
86) Perylene-d12	24.390	264	170308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.412	112	84794	83.793	ng	0.00
7) Phenol-d6	6.992	99	112983	83.082	ng	0.00
23) Nitrobenzene-d5	8.972	82	126642	85.113	ng	0.00
42) 2,4,6-Tribromophenol	15.941	330	92403	86.438	ng	0.00
45) 2-Fluorobiphenyl	13.073	172	340965	85.220	ng	0.00
79) Terphenyl-d14	19.807	244	705699	85.282	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.320	88	15032	37.555	ng	99
3) Pyridine	3.714	79	44097	40.992	ng	95
4) n-Nitrosodimethylamine	3.632	42	33366	42.785	ng	98
6) Aniline	7.151	93	70951	41.362	ng	97
8) 2-Chlorophenol	7.386	128	52186	41.997	ng	97
9) Benzaldehyde	6.963	77	48335	40.040	ng	94
10) Phenol	7.022	94	61486	42.860	ng	92
11) bis(2-Chloroethyl)ether	7.245	93	39880	41.049	ng	95
12) 1,3-Dichlorobenzene	7.709	146	55476	40.811	ng	95
13) 1,4-Dichlorobenzene	7.856	146	57252	41.965	ng	97
14) 1,2-Dichlorobenzene	8.173	146	54467	40.509	ng	92
15) Benzyl Alcohol	8.056	79	53529	42.742	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.338	45	63264	40.399	ng	93
17) 2-Methylphenol	8.261	107	44427	42.768	ng	95
18) Hexachloroethane	8.896	117	21889	40.648	ng	97
19) n-Nitroso-di-n-propyla...	8.626	70	37981	41.761	ng	99
20) 3+4-Methylphenols	8.590	107	62334	43.000	ng	90
22) Acetophenone	8.637	105	81867	42.261	ng	98
24) Nitrobenzene	9.014	77	64471	43.450	ng	96
25) Isophorone	9.542	82	112140	41.602	ng	97
26) 2-Nitrophenol	9.724	139	30823	41.738	ng	97
27) 2,4-Dimethylphenol	9.789	122	48092	42.637	ng	96
28) bis(2-Chloroethoxy)met...	10.024	93	56423	41.065	ng	99
29) 2,4-Dichlorophenol	10.259	162	55380	42.459	ng	97
30) 1,2,4-Trichlorobenzene	10.477	180	59423	41.783	ng	95
31) Naphthalene	10.659	128	177147	42.998	ng	96
32) Benzoic acid	9.942	122	40959	47.298	ng	93
33) 4-Chloroaniline	10.770	127	67446	42.662	ng	94
34) Hexachlorobutadiene	10.947	225	50577	41.526	ng	99
35) Caprolactam	11.546	113	19754	44.240	ng	96
36) 4-Chloro-3-methylphenol	11.898	107	67923	42.822	ng	94
37) 2-Methylnaphthalene	12.269	142	131677	41.637	ng	98
38) 1-Methylnaphthalene	12.492	142	128515	40.754	ng	98
40) 1,2,4,5-Tetrachloroben...	12.645	216	82011	43.069	ng	99
41) Hexachlorocyclopentadiene	12.621	237	46569	46.753	ng	95
43) 2,4,6-Trichlorophenol	12.880	196	53394	43.864	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
 Data File : BG064497.D
 Acq On : 14 Oct 2025 11:50
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

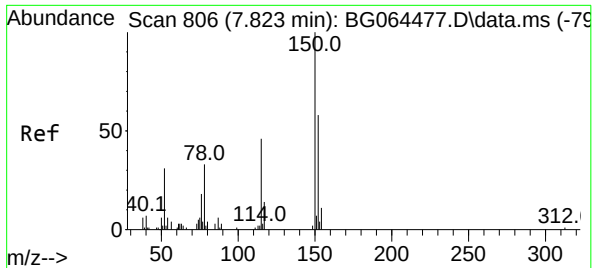
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.956	196	59377	43.692	ng	97
46) 1,1'-Biphenyl	13.285	154	181204	42.720	ng	99
47) 2-Chloronaphthalene	13.326	162	136775	43.189	ng	97
48) 2-Nitroaniline	13.526	65	48753	45.105	ng	98
49) Acenaphthylene	14.172	152	203700	43.330	ng	96
50) Dimethylphthalate	13.908	163	200044	43.309	ng	# 96
51) 2,6-Dinitrotoluene	14.025	165	43089	44.782	ng	91
52) Acenaphthene	14.513	154	140501	43.017	ng	99
53) 3-Nitroaniline	14.354	138	40502	45.643	ng	97
54) 2,4-Dinitrophenol	14.566	184	29052	41.640	ng	87
55) Dibenzofuran	14.848	168	237480	44.036	ng	98
56) 4-Nitrophenol	14.672	139	32648	46.731	ng	91
57) 2,4-Dinitrotoluene	14.813	165	65446	44.495	ng	97
58) Fluorene	15.500	166	194282	43.334	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.077	232	61387	44.261	ng	98
60) Diethylphthalate	15.277	149	216982	43.791	ng	97
61) 4-Chlorophenyl-phenyle...	15.494	204	103672	42.356	ng	98
62) 4-Nitroaniline	15.524	138	44860	48.504	ng	# 85
63) Azobenzene	15.788	77	163644	42.644	ng	95
65) 4,6-Dinitro-2-methylph...	15.582	198	45879	43.710	ng	93
66) n-Nitrosodiphenylamine	15.706	169	164362	40.829	ng	99
67) 4-Bromophenyl-phenylether	16.387	248	73281	41.309	ng	94
68) Hexachlorobenzene	16.505	284	85861	42.298	ng	98
69) Atrazine	16.658	200	76301	42.602	ng	93
70) Pentachlorophenol	16.846	266	55213	46.520	ng	97
71) Phenanthrene	17.233	178	333345	42.284	ng	98
72) Anthracene	17.321	178	340568	43.062	ng	97
73) Carbazole	17.592	167	296313	43.345	ng	99
74) Di-n-butylphthalate	18.156	149	369333	44.258	ng	99
75) Fluoranthene	19.243	202	415109	44.076	ng	99
77) Benzidine	19.425	184	174328	44.736	ng	98
78) Pyrene	19.607	202	427836	42.098	ng	98
80) Butylbenzylphthalate	20.500	149	154137	42.784	ng	99
81) Benzo(a)anthracene	21.399	228	431395	43.143	ng	97
82) 3,3'-Dichlorobenzidine	21.323	252	147507	43.586	ng	98
83) Chrysene	21.458	228	402678	42.464	ng	99
84) Bis(2-ethylhexyl)phtha...	21.317	149	221186	43.513	ng	98
85) Di-n-octyl phthalate	22.445	149	373730	43.746	ng	99
87) Indeno(1,2,3-cd)pyrene	27.756	276	516801	43.595	ng	99
88) Benzo(b)fluoranthene	23.455	252	416989	43.038	ng	99
89) Benzo(k)fluoranthene	23.520	252	423632	43.413	ng	99
90) Benzo(a)pyrene	24.260	252	387546	43.400	ng	100
91) Dibenzo(a,h)anthracene	27.797	278	424151	44.741	ng	97
92) Benzo(g,h,i)perylene	28.790	276	402393	43.678	ng	97

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

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

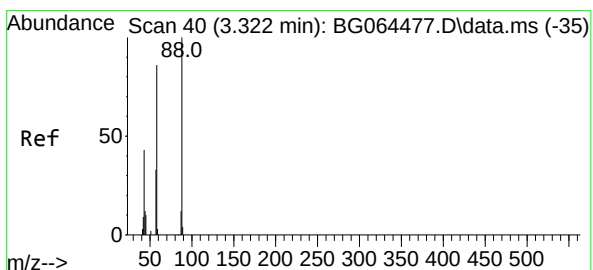
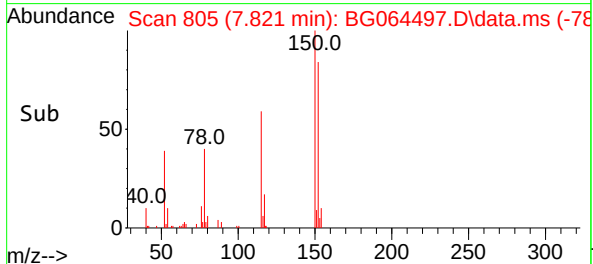
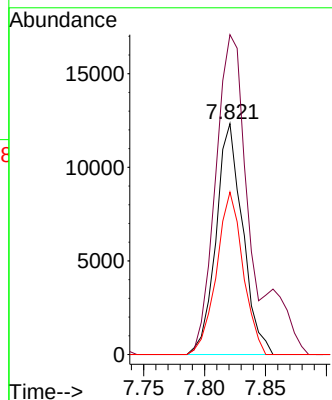
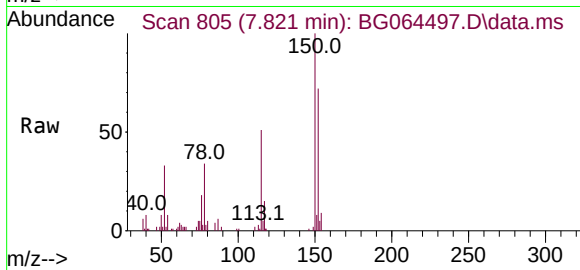
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.821 min Scan# 80
Delta R.T. 0.001 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

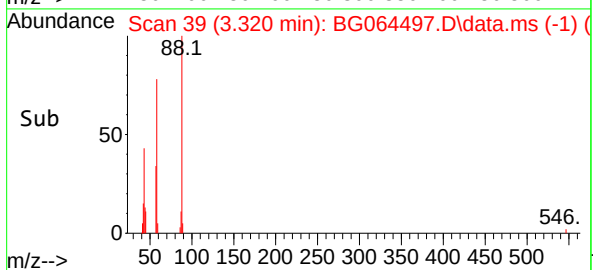
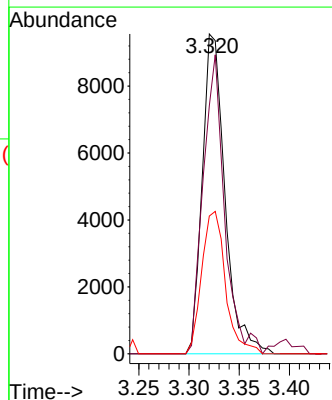
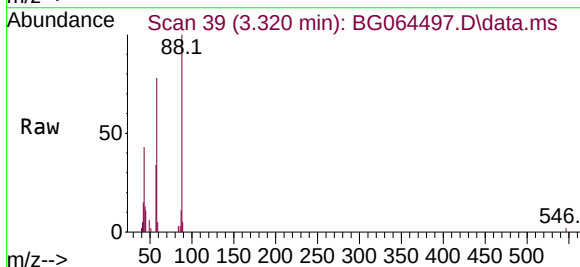
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BNA_G
ClientSampleId :
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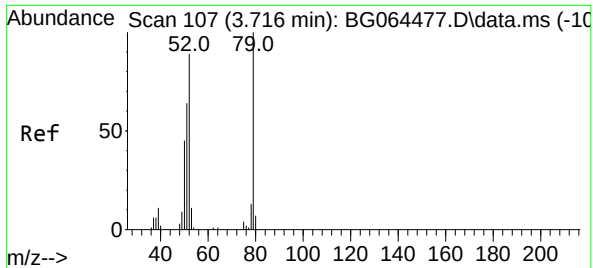
Tgt Ion	152	Resp	18728
Ion Ratio	Lower	Upper	
152	100		
150	138.5	138.6	207.8#
115	70.3	63.4	95.2



#2
1,4-Dioxane
Concen: 37.555 ng
RT: 3.320 min Scan# 39
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion	88	Resp	15032
Ion Ratio	Lower	Upper	
88	100		
58	88.0	69.8	104.6
43	46.6	37.4	56.0

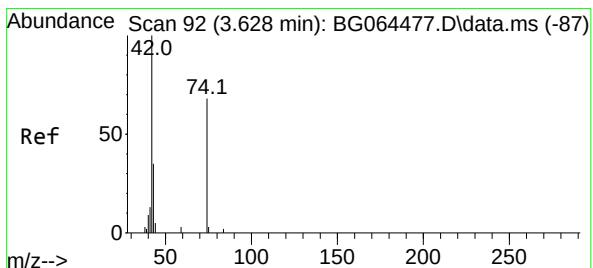
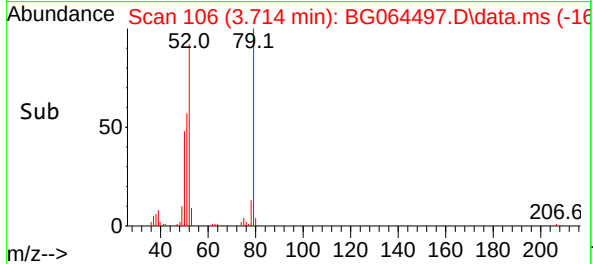
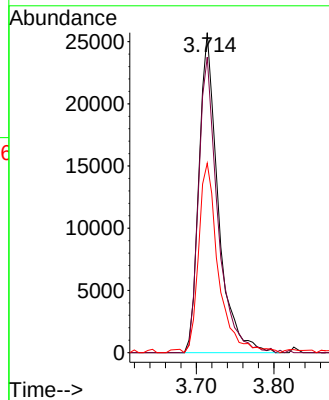
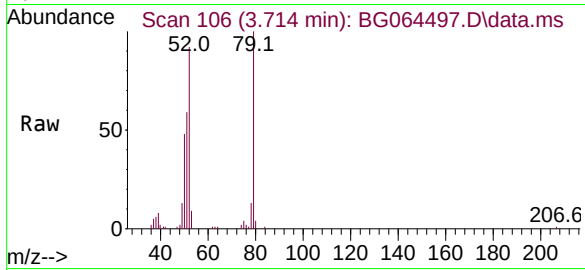




#3
Pyridine
Concen: 40.992 ng
RT: 3.714 min Scan# 107
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

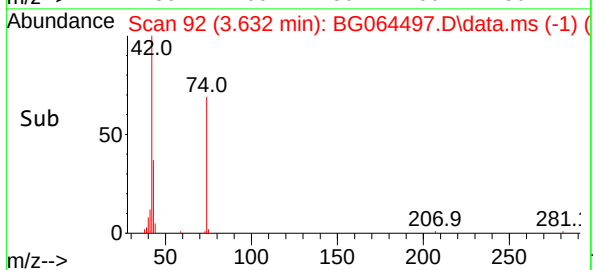
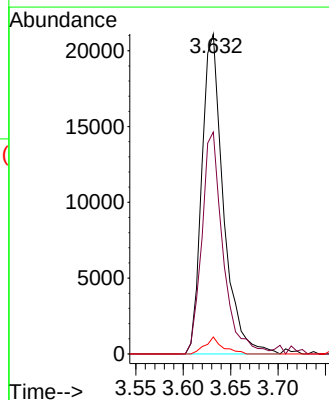
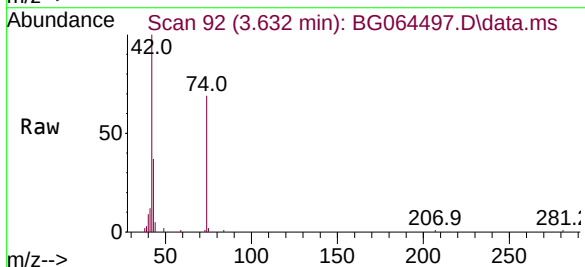
Instrument :
BNA_G
ClientSampleId :
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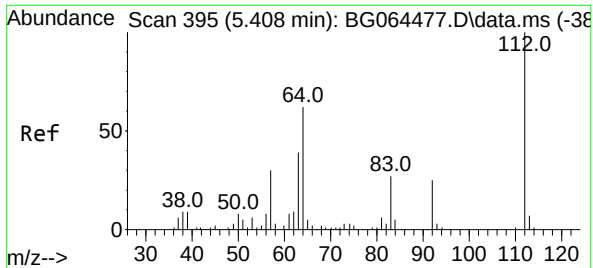
Tgt Ion: 79 Resp: 44097
Ion Ratio Lower Upper
79 100
52 92.4 71.0 106.4
51 59.2 51.0 76.6



#4
n-Nitrosodimethylamine
Concen: 42.785 ng
RT: 3.632 min Scan# 92
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion: 42 Resp: 33366
Ion Ratio Lower Upper
42 100
74 69.3 54.2 81.4
44 5.3 4.2 6.2

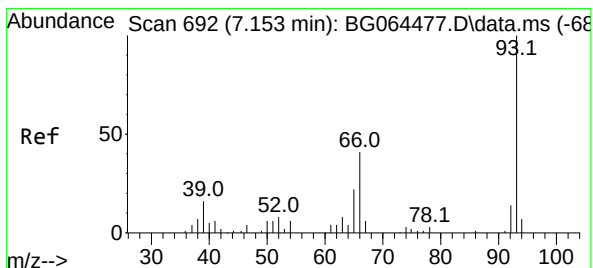
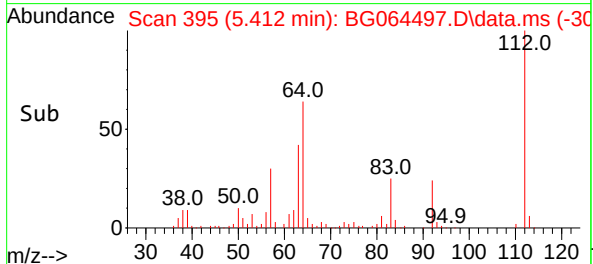
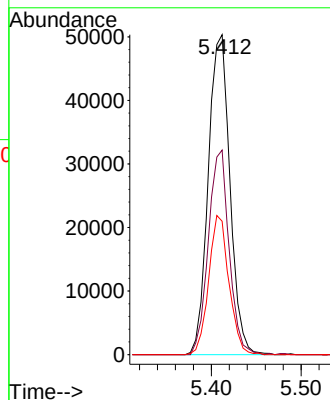
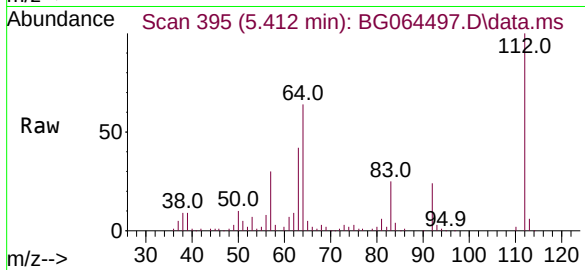




#5
2-Fluorophenol
Concen: 83.793 ng
RT: 5.412 min Scan# 395
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

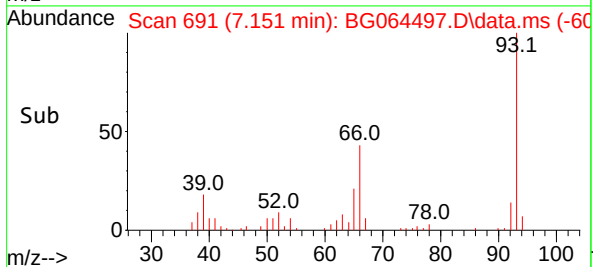
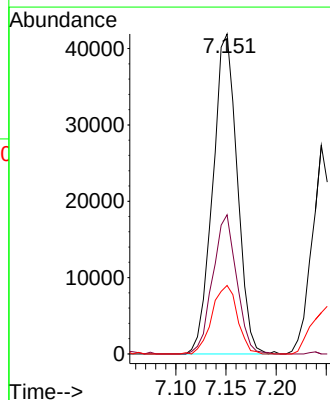
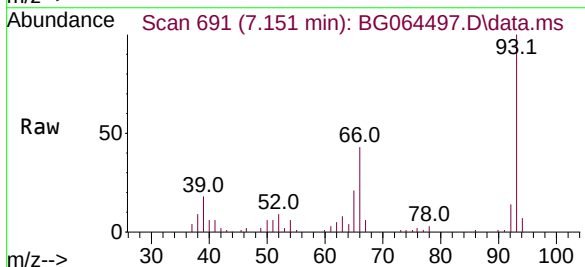
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BNA_G
ClientSampleId :
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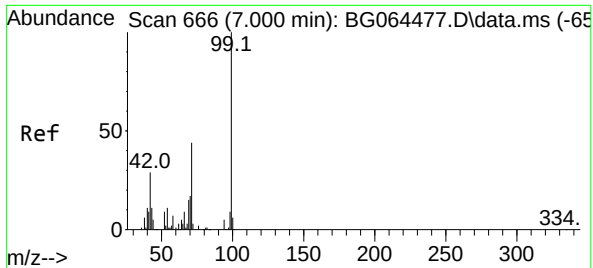
Tgt Ion:112 Resp: 84794
Ion Ratio Lower Upper
112 100
64 63.9 49.8 74.8
63 41.7 31.3 46.9



#6
Aniline
Concen: 41.362 ng
RT: 7.151 min Scan# 691
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion: 93 Resp: 70951
Ion Ratio Lower Upper
93 100
66 43.5 33.0 49.4
65 21.4 17.5 26.3

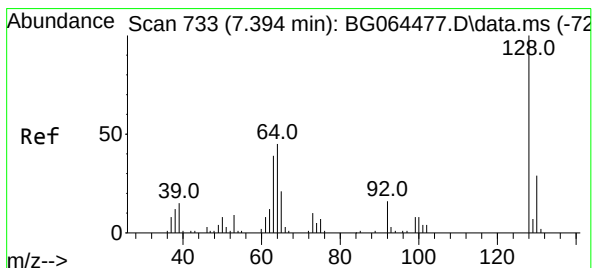
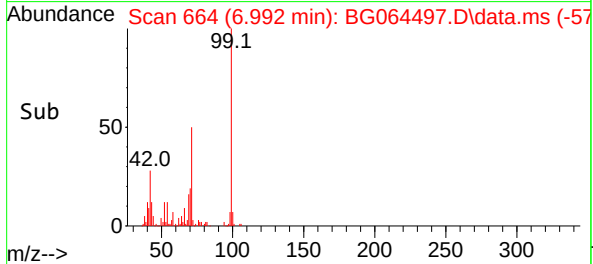
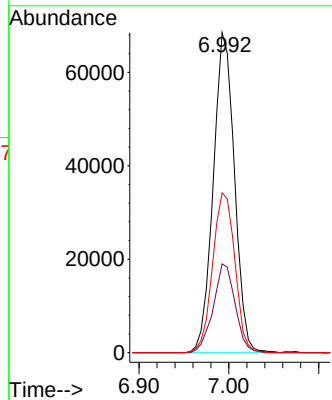
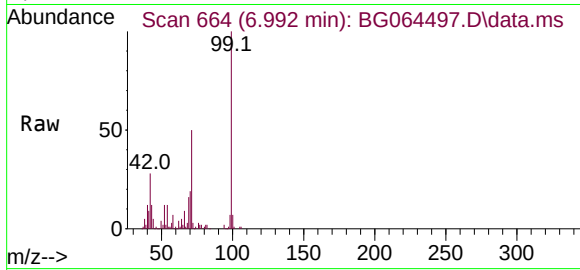




#7
Phenol-d6
Concen: 83.082 ng
RT: 6.992 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

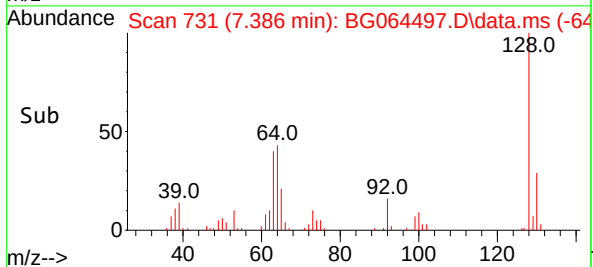
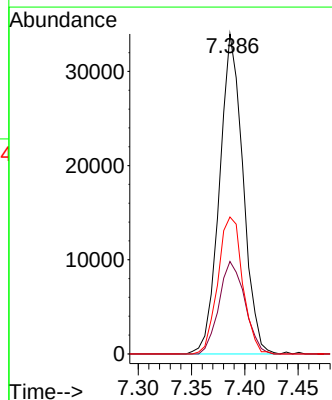
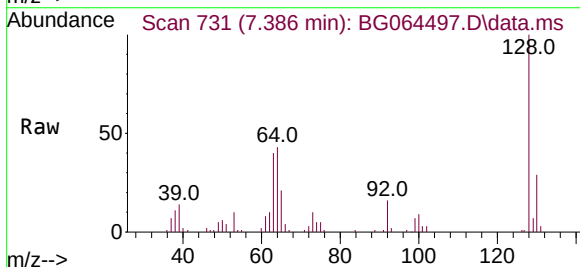
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BNA_G
ClientSampleId :
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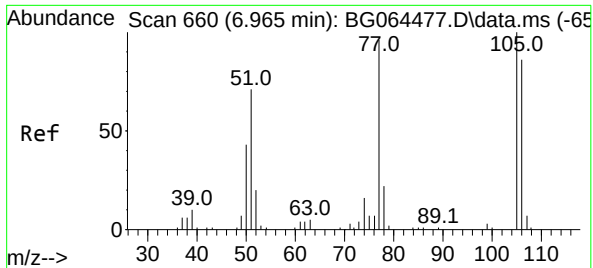
Tgt Ion: 99 Resp: 112983
Ion Ratio Lower Upper
99 100
42 27.7 22.9 34.3
71 49.9 35.4 53.2



#8
2-Chlorophenol
Concen: 41.997 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion: 128 Resp: 52186
Ion Ratio Lower Upper
128 100
130 28.9 9.2 49.2
64 42.8 25.5 65.5





#9

Benzaldehyde

Concen: 40.040 ng

RT: 6.963 min Scan# 61

Delta R.T. 0.000 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

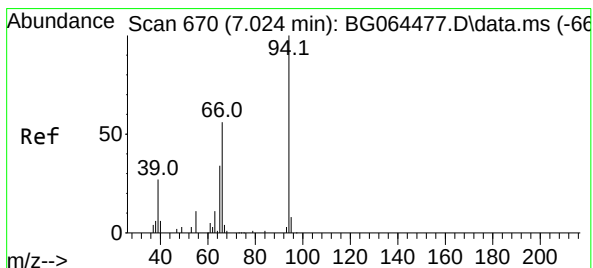
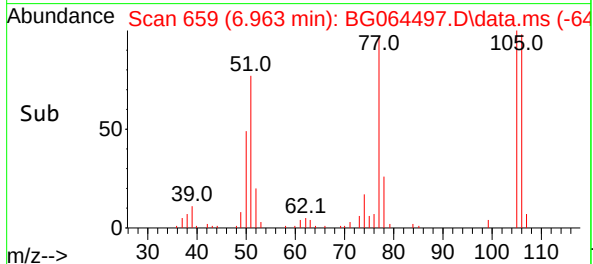
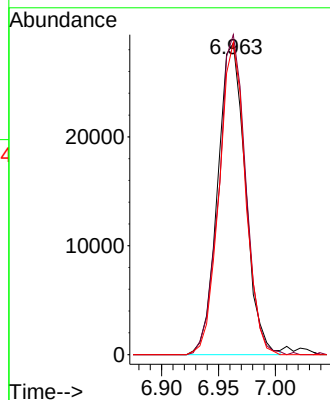
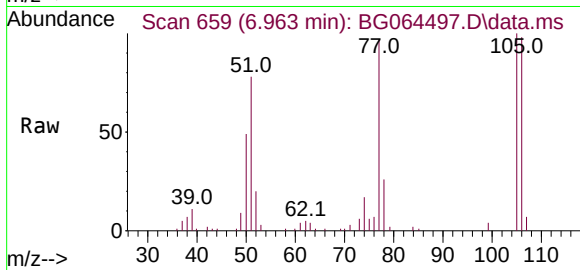
Tgt Ion: 77 Resp: 48335

Ion Ratio Lower Upper

77 100

105 102.7 83.7 123.7

106 100.3 69.4 109.4



#10

Phenol

Concen: 42.860 ng

RT: 7.022 min Scan# 669

Delta R.T. 0.006 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

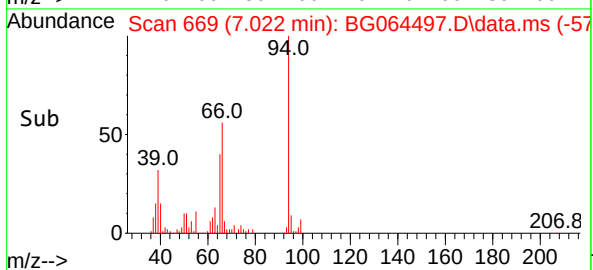
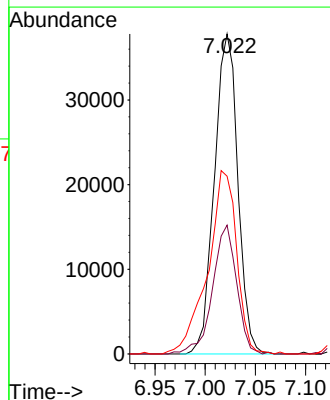
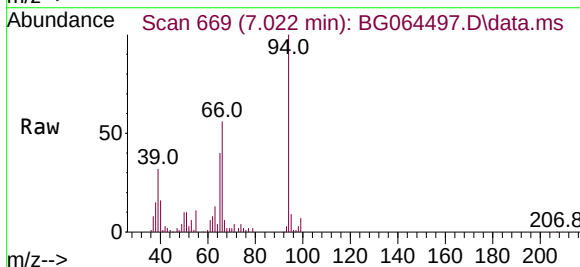
Tgt Ion: 94 Resp: 61486

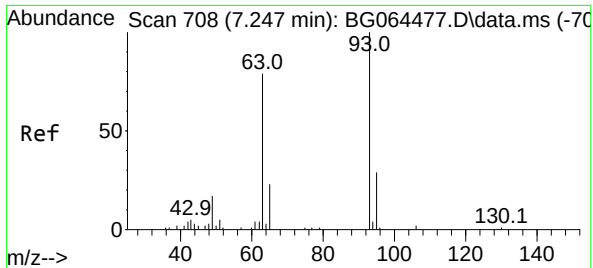
Ion Ratio Lower Upper

94 100

65 40.2 14.8 54.8

66 55.5 41.4 81.4





#11

bis(2-Chloroethyl)ether

Concen: 41.049 ng

RT: 7.245 min Scan# 708

Delta R.T. 0.000 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

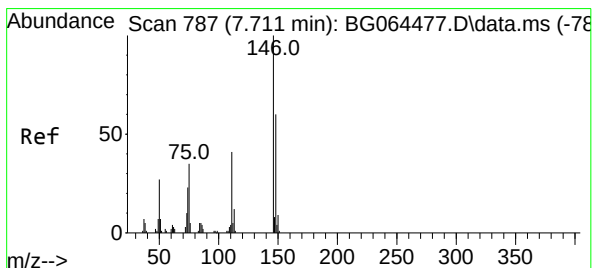
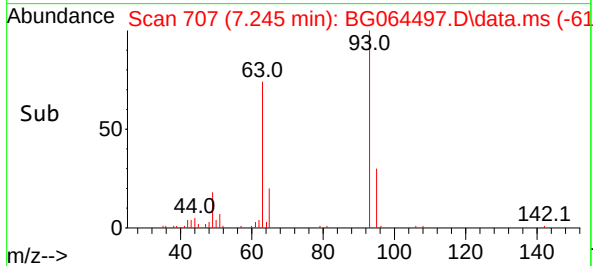
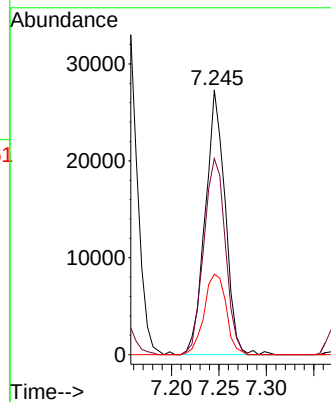
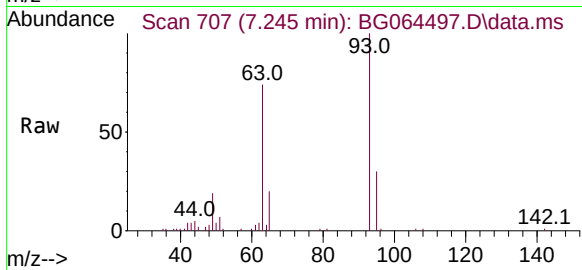
Tgt Ion: 93 Resp: 39880

Ion Ratio Lower Upper

93 100

63 74.0 59.5 99.5

95 30.4 8.8 48.8



#12

1,3-Dichlorobenzene

Concen: 40.811 ng

RT: 7.709 min Scan# 786

Delta R.T. 0.000 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

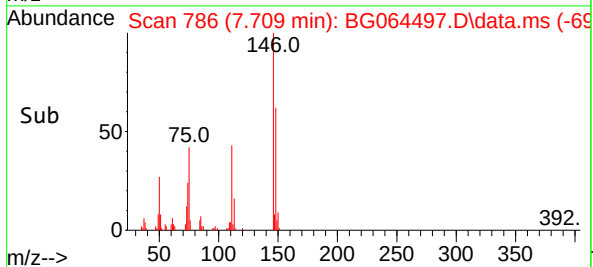
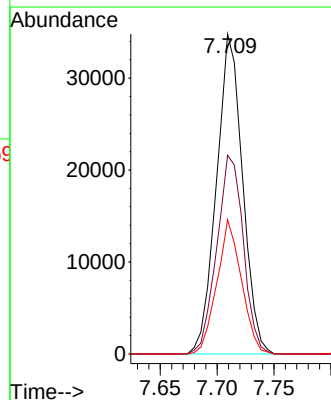
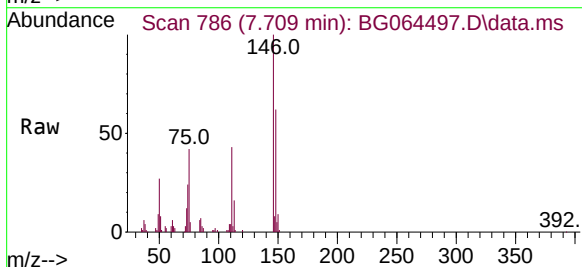
Tgt Ion: 146 Resp: 55476

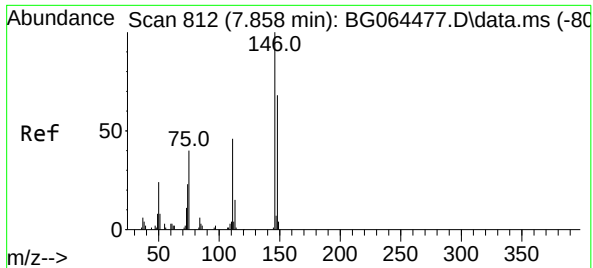
Ion Ratio Lower Upper

146 100

148 62.1 48.4 72.6

75 41.9 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 41.965 ng

RT: 7.856 min Scan# 81

Delta R.T. 0.000 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

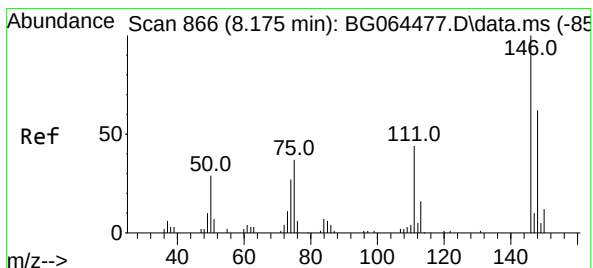
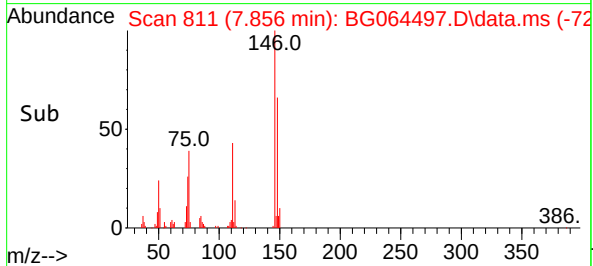
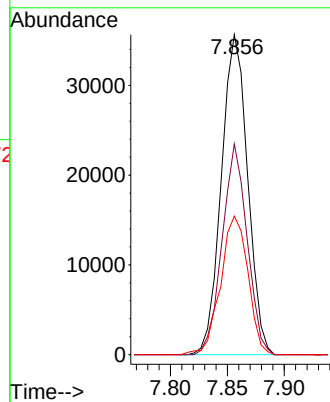
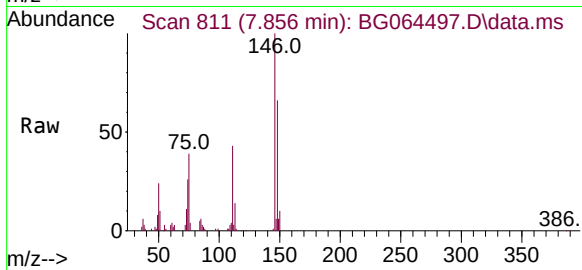
Tgt Ion:146 Resp: 57252

Ion Ratio Lower Upper

146 100

148 65.8 54.4 81.6

111 43.3 36.5 54.7



#14

1,2-Dichlorobenzene

Concen: 40.509 ng

RT: 8.173 min Scan# 865

Delta R.T. 0.000 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

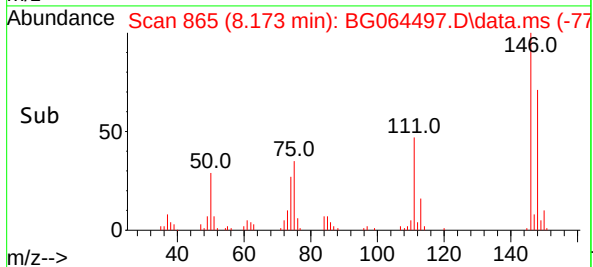
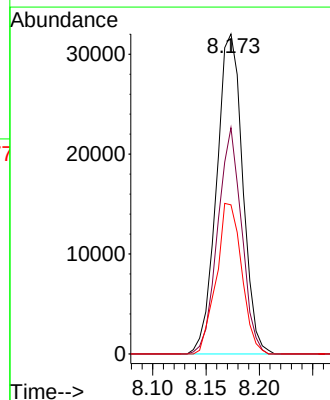
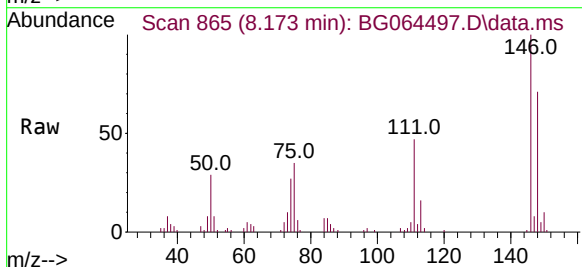
Tgt Ion:146 Resp: 54467

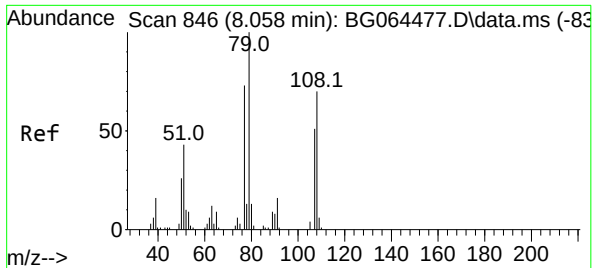
Ion Ratio Lower Upper

146 100

148 70.7 50.0 75.0

111 46.6 35.0 52.4

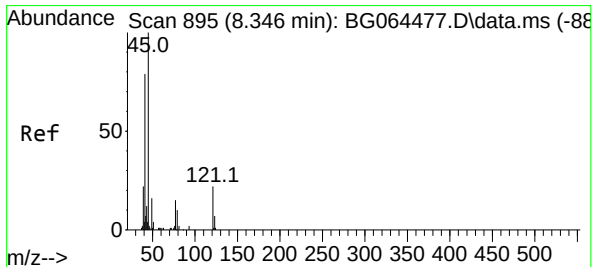
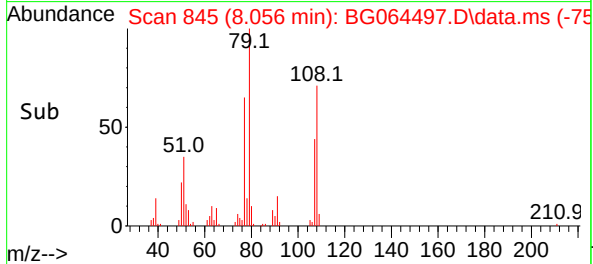
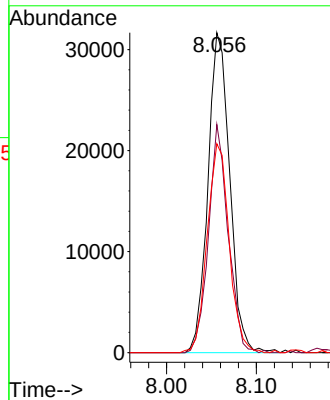
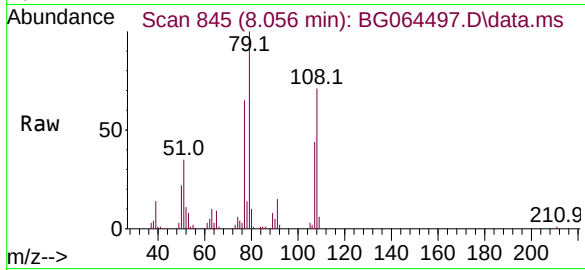




#15
Benzyl Alcohol
Concen: 42.742 ng
RT: 8.056 min Scan# 846
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

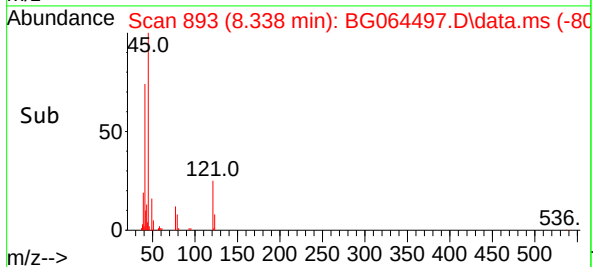
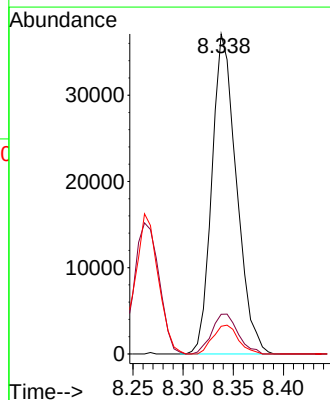
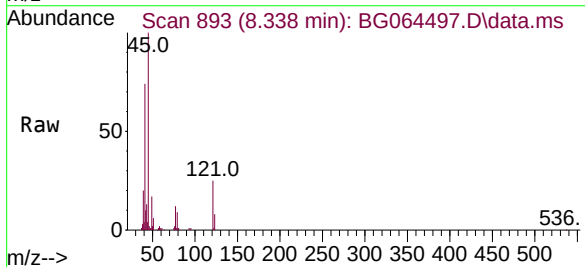
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

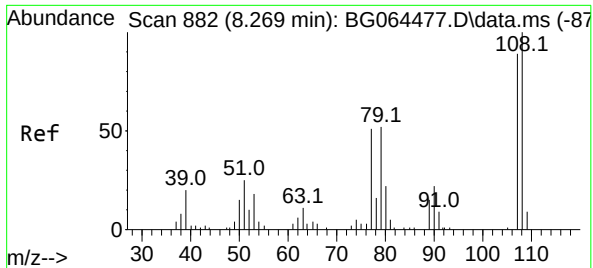
Tgt Ion: 79 Resp: 53529
Ion Ratio Lower Upper
79 100
108 71.3 56.4 84.6
77 65.3 58.3 87.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.399 ng
RT: 8.338 min Scan# 893
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion: 45 Resp: 63264
Ion Ratio Lower Upper
45 100
77 12.4 0.0 35.6
79 8.6 0.0 30.7

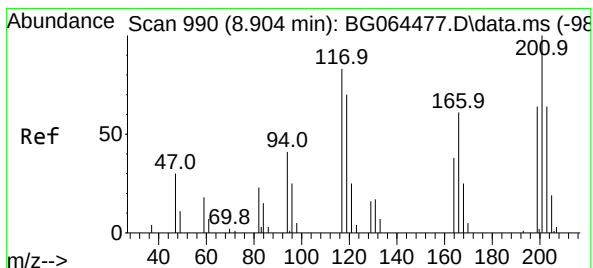
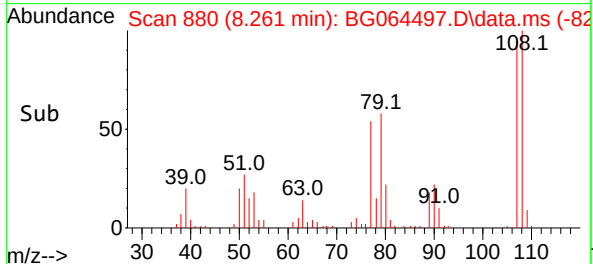
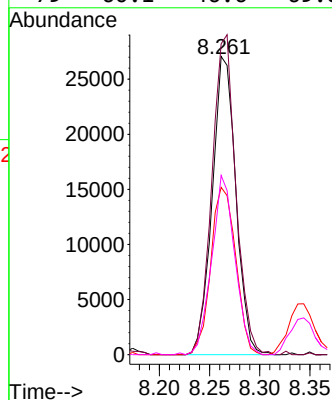
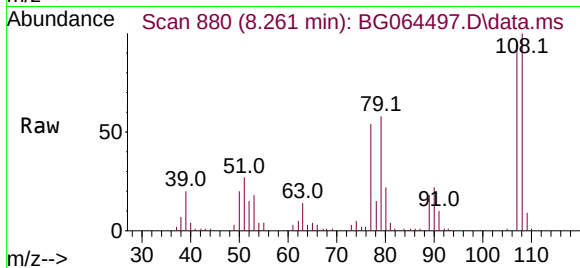




#17
2-Methylphenol
Concen: 42.768 ng
RT: 8.261 min Scan# 882
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

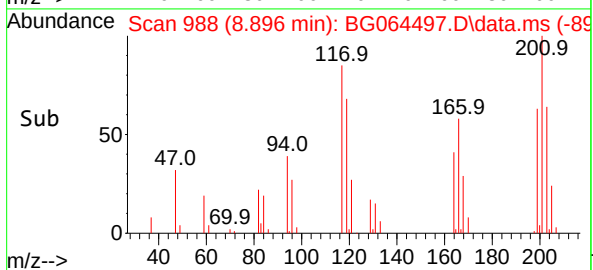
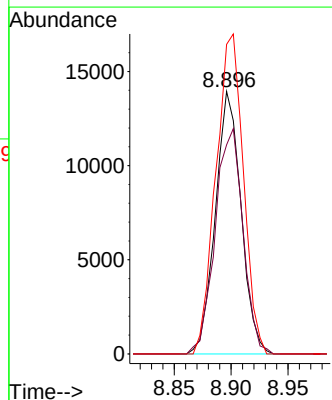
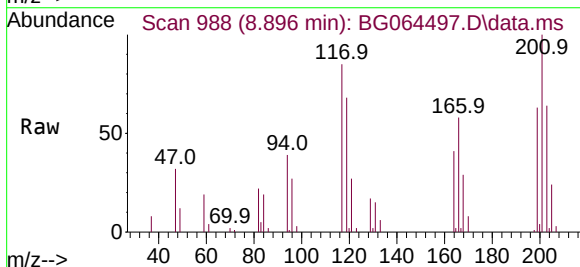
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

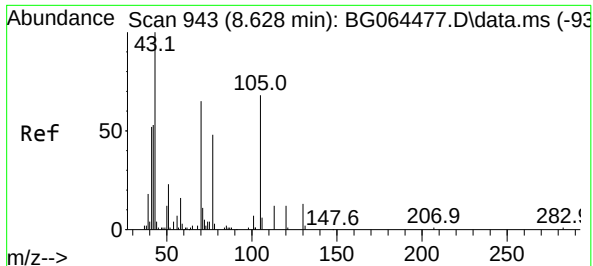
Tgt Ion:	107	Resp:	44427
Ion	Ratio	Lower	Upper
107	100		
108	104.2	90.3	135.5
77	56.1	46.0	69.0
79	60.1	46.6	69.8



#18
Hexachloroethane
Concen: 40.648 ng
RT: 8.896 min Scan# 988
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:	117	Resp:	21889
Ion	Ratio	Lower	Upper
117	100		
119	79.7	67.4	101.0
201	117.9	95.9	143.9

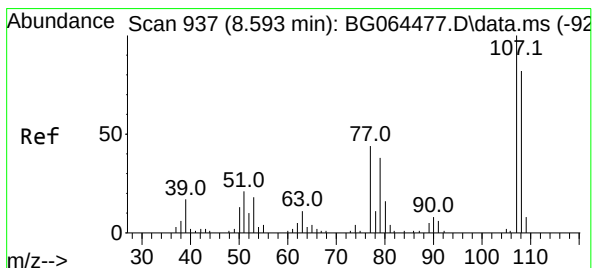
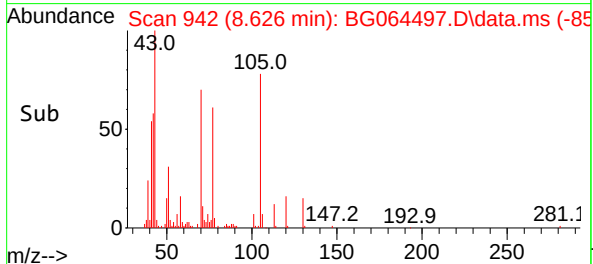
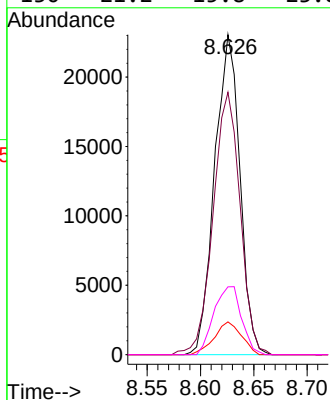
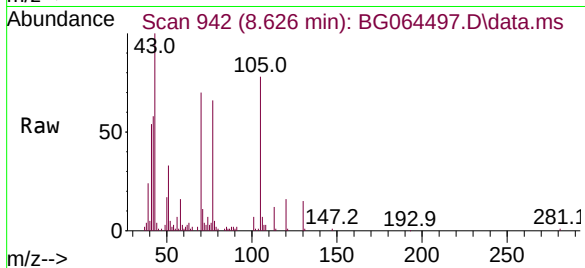




#19
n-Nitroso-di-n-propylamine
Concen: 41.761 ng
RT: 8.626 min Scan# 94
Delta R.T. 0.012 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

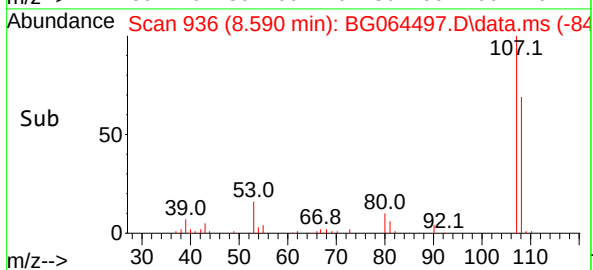
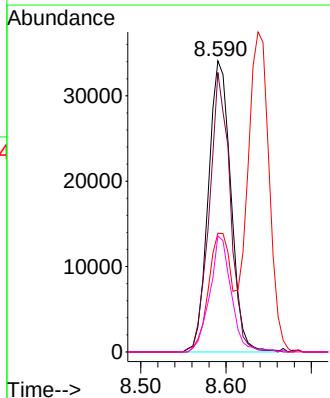
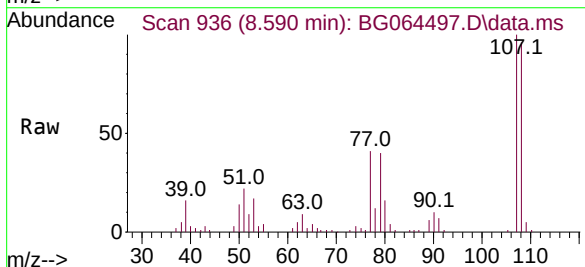
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

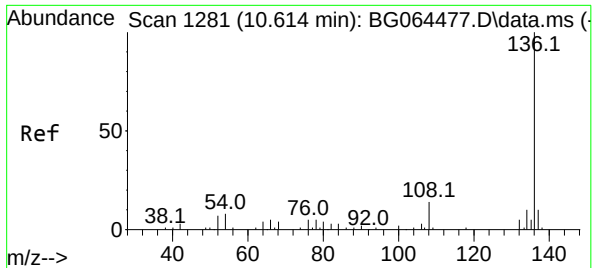
Tgt Ion: 70 Resp: 37981
Ion Ratio Lower Upper
70 100
42 82.0 64.9 97.3
101 10.2 8.7 13.1
130 21.2 15.8 23.8



#20
3+4-Methylphenols
Concen: 43.000 ng
RT: 8.590 min Scan# 936
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion: 107 Resp: 62334
Ion Ratio Lower Upper
107 100
108 96.1 62.1 102.1
77 40.8 23.5 63.5
79 39.9 17.8 57.8

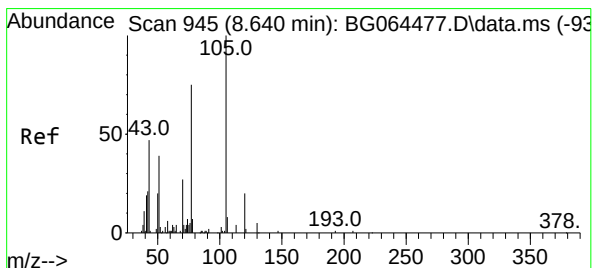
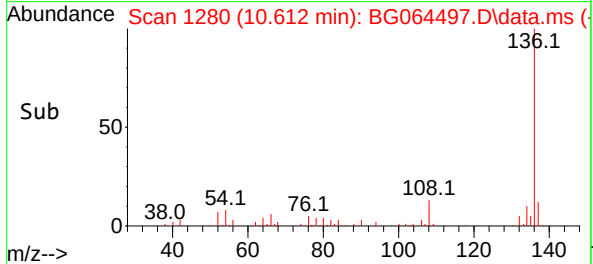
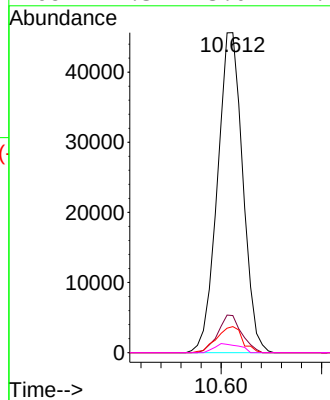
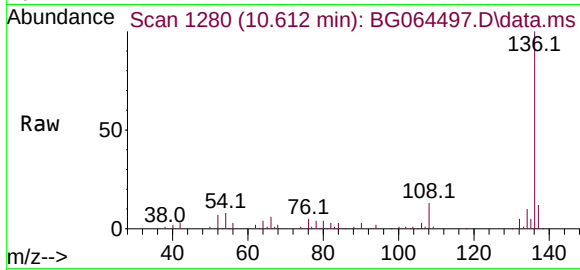




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.612 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

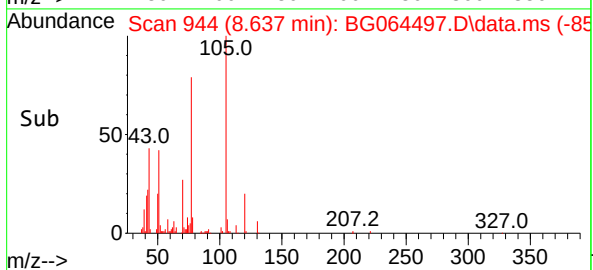
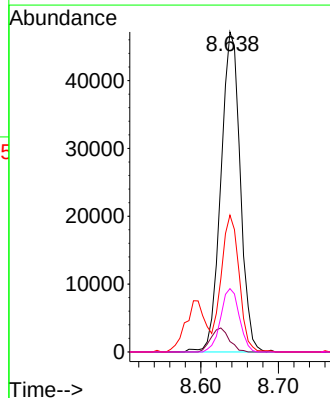
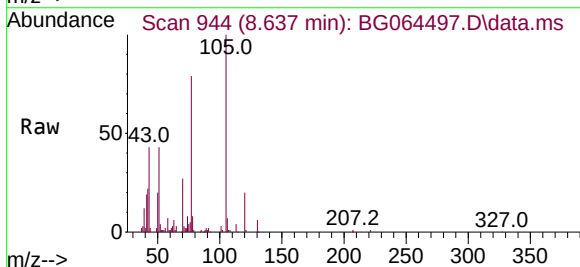
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

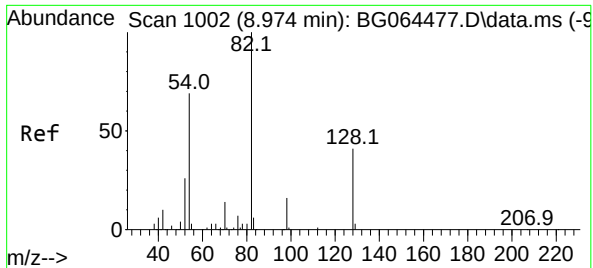
Tgt Ion	136	137	54	68
Resp:	80006	11.6	8.1	2.3
Lower		8.3	6.2	3.0
Upper		12.5	9.4	4.4



#22
Acetophenone
Concen: 42.261 ng
RT: 8.637 min Scan# 944
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion	105	71	51	120
Resp:	81867	3.2	42.7	19.8
Lower		2.8	33.0	15.8
Upper		4.2	49.4	23.6





#23

Nitrobenzene-d5

Concen: 85.113 ng

RT: 8.972 min Scan# 10

Delta R.T. 0.006 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

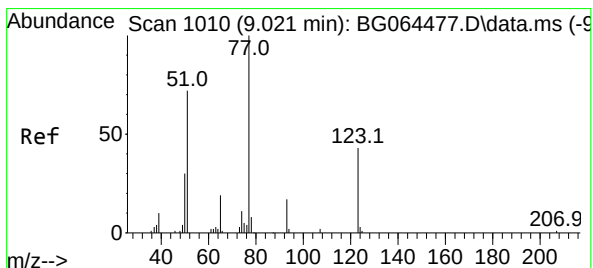
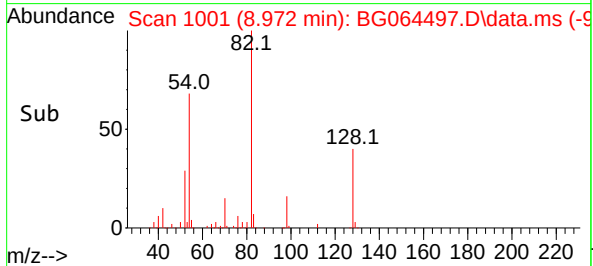
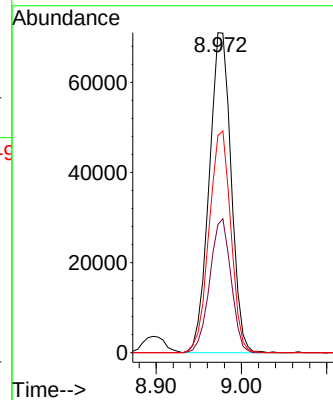
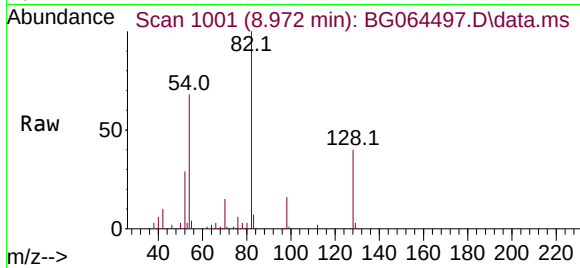
Tgt Ion: 82 Resp: 126642

Ion Ratio Lower Upper

82 100

128 40.1 33.1 49.7

54 67.8 55.4 83.2



#24

Nitrobenzene

Concen: 43.450 ng

RT: 9.014 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

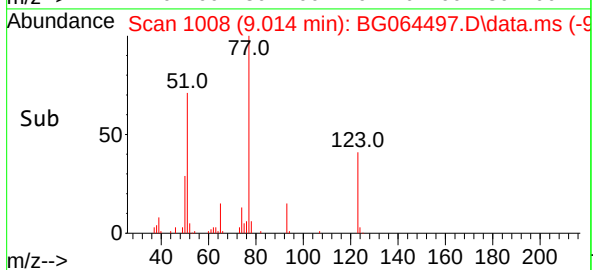
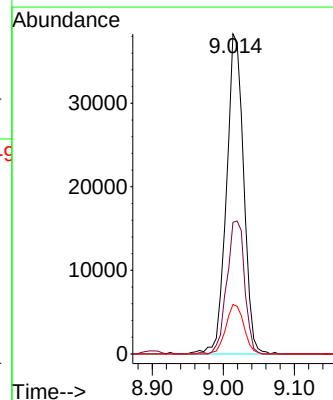
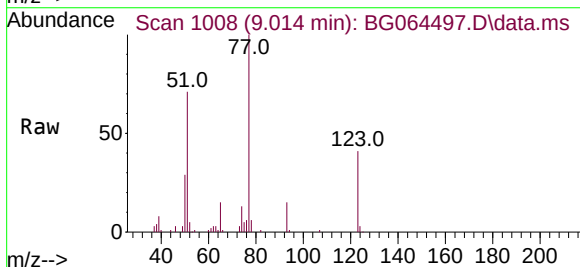
Tgt Ion: 77 Resp: 64471

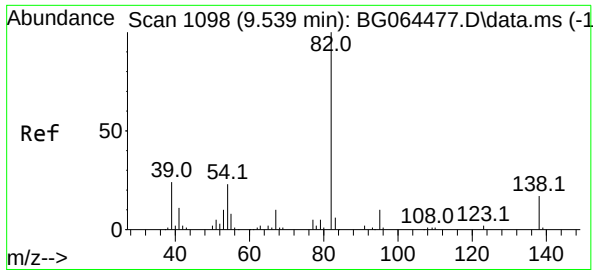
Ion Ratio Lower Upper

77 100

123 41.1 34.4 51.6

65 15.4 14.8 22.2

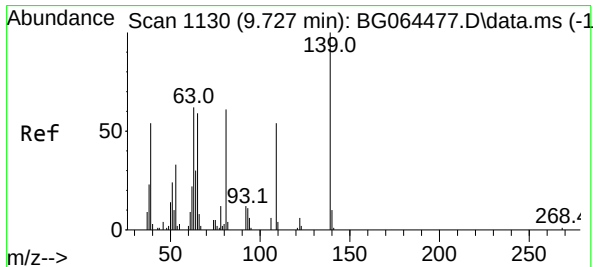
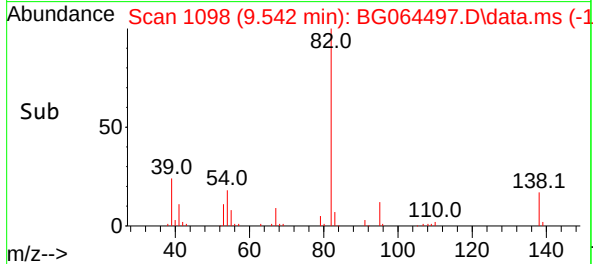
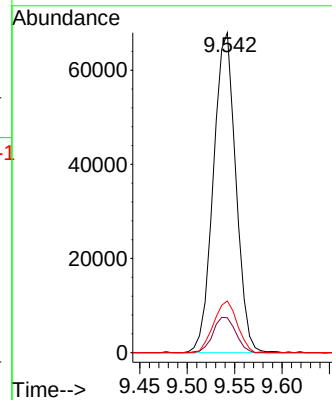
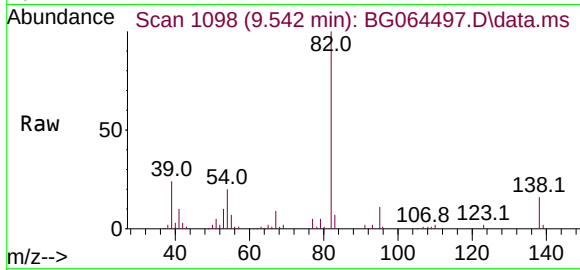




#25
Isophorone
Concen: 41.602 ng
RT: 9.542 min Scan# 1098
Delta R.T. 0.012 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

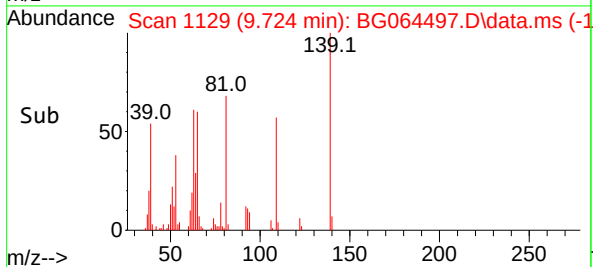
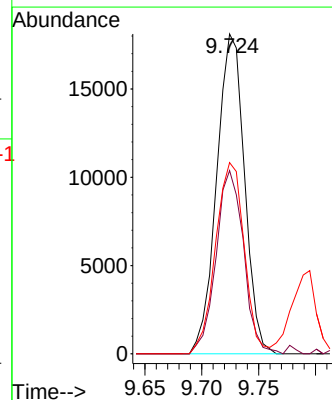
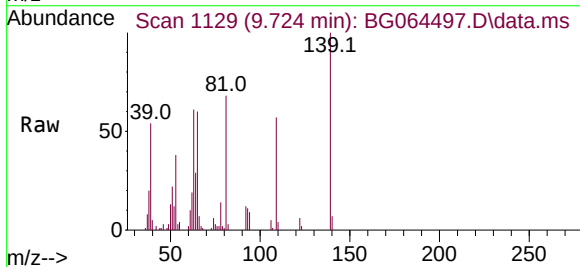
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

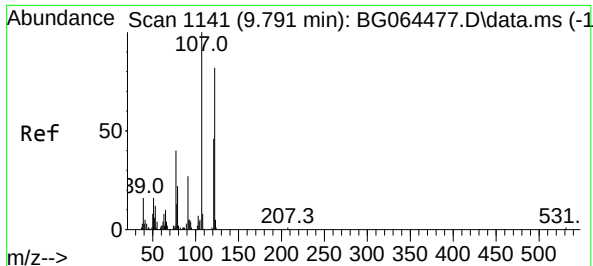
Tgt Ion:	82	Resp:	112140
Ion Ratio	Lower	Upper	
82	100		
95	10.9	7.8	11.8
138	16.1	13.8	20.6



#26
2-Nitrophenol
Concen: 41.738 ng
RT: 9.724 min Scan# 1129
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:	139	Resp:	30823
Ion Ratio	Lower	Upper	
139	100		
109	57.3	43.0	64.6
65	59.8	47.4	71.2





#27

2,4-Dimethylphenol

Concen: 42.637 ng

RT: 9.789 min Scan# 1141

Delta R.T. 0.006 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

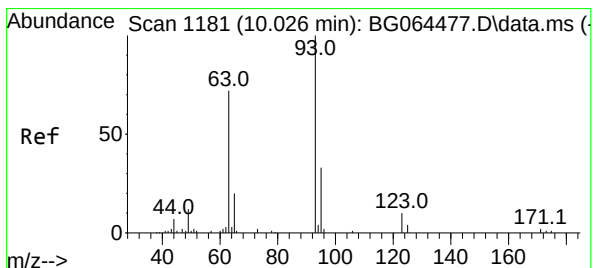
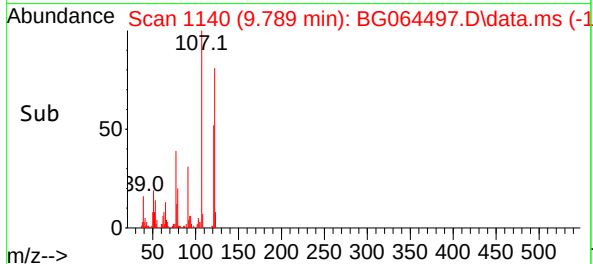
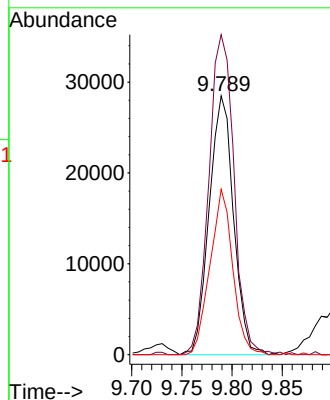
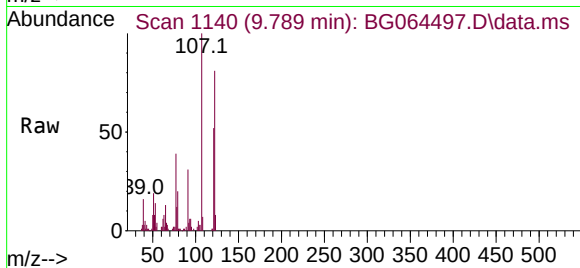
Tgt Ion:122 Resp: 48092

Ion Ratio Lower Upper

122 100

107 123.7 98.3 147.5

121 63.9 44.7 67.1



#28

bis(2-Chloroethoxy)methane

Concen: 41.065 ng

RT: 10.024 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

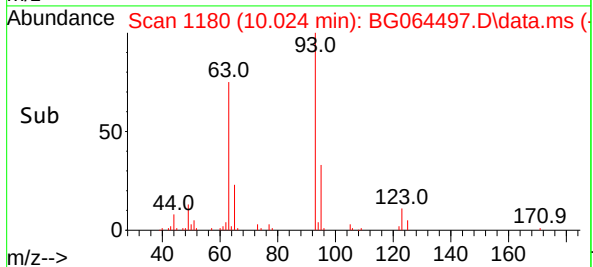
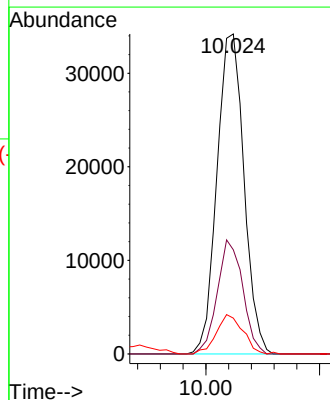
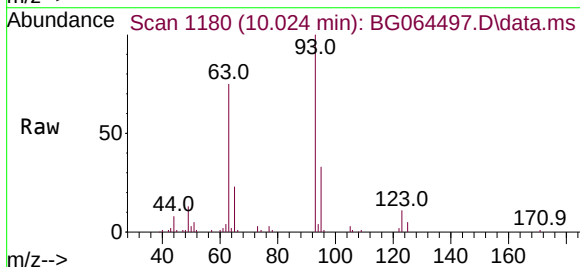
Tgt Ion: 93 Resp: 56423

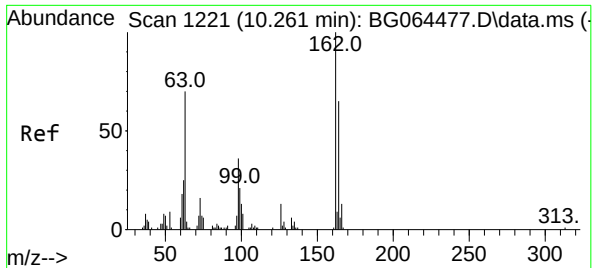
Ion Ratio Lower Upper

93 100

95 32.5 26.5 39.7

123 11.2 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 42.459 ng

RT: 10.259 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

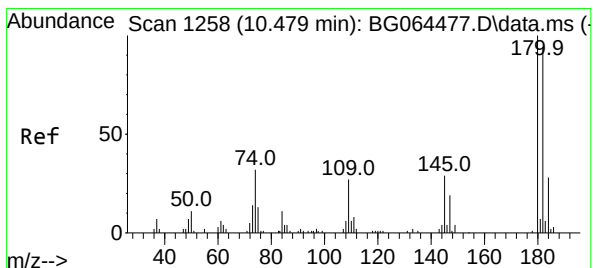
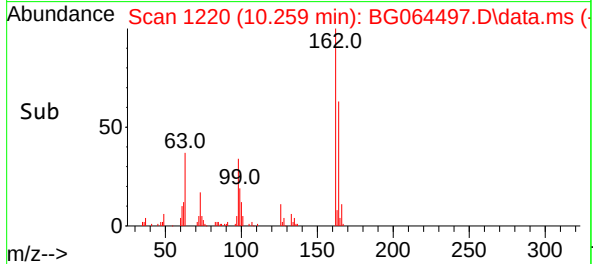
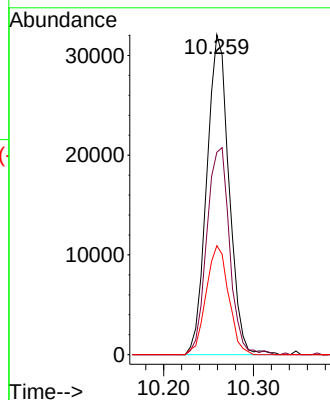
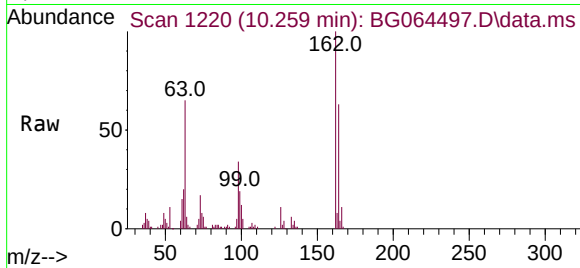
Tgt Ion:162 Resp: 55380

Ion Ratio Lower Upper

162 100

164 63.2 45.4 85.4

98 34.0 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 41.783 ng

RT: 10.477 min Scan# 1257

Delta R.T. 0.006 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

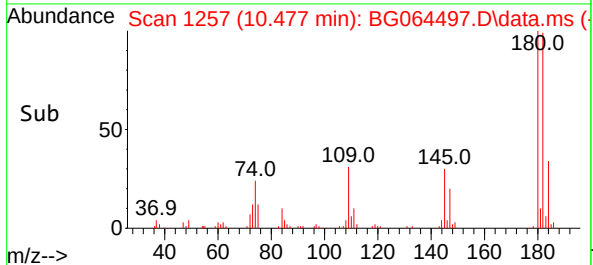
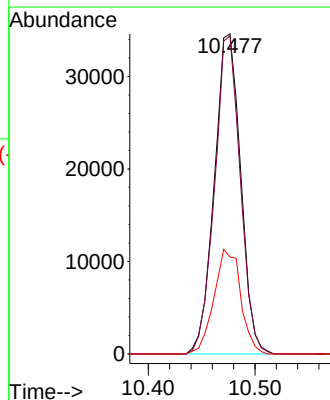
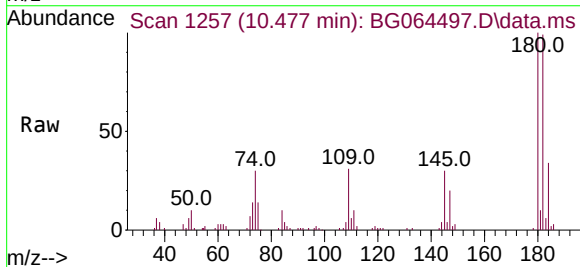
Tgt Ion:180 Resp: 59423

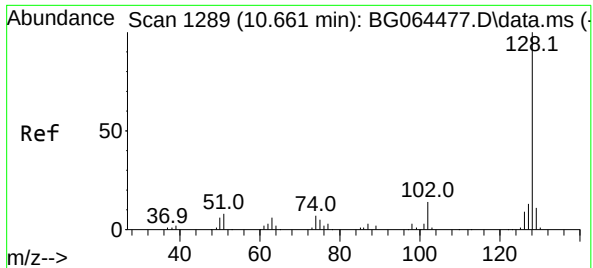
Ion Ratio Lower Upper

180 100

182 99.4 75.4 113.2

145 30.3 23.2 34.8

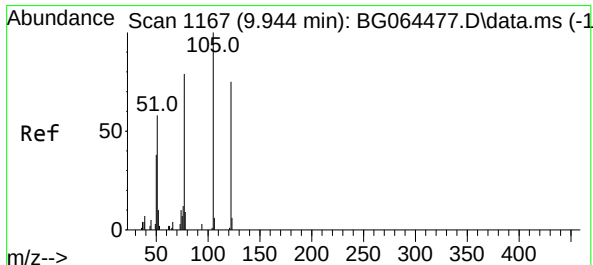
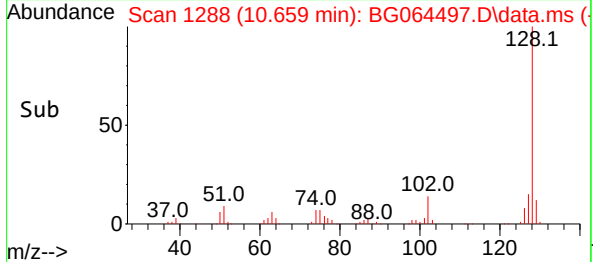
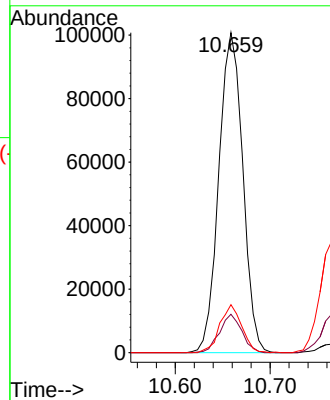
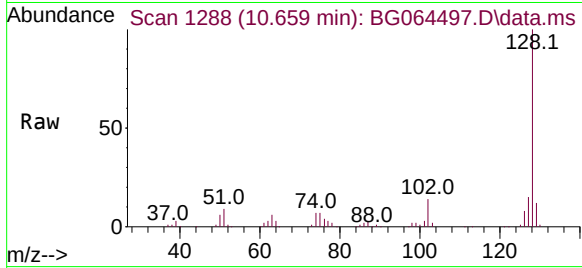




#31
Naphthalene
Concen: 42.998 ng
RT: 10.659 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

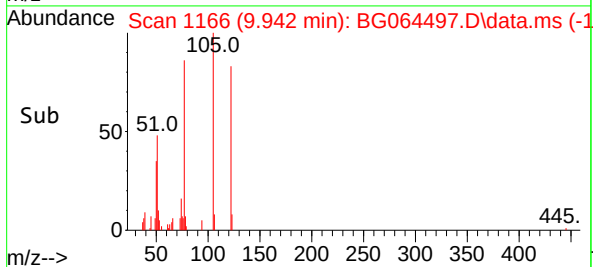
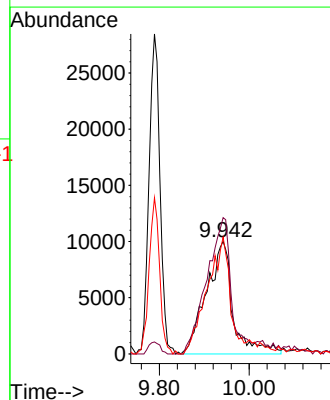
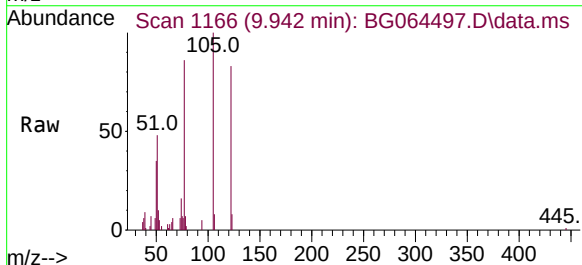
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

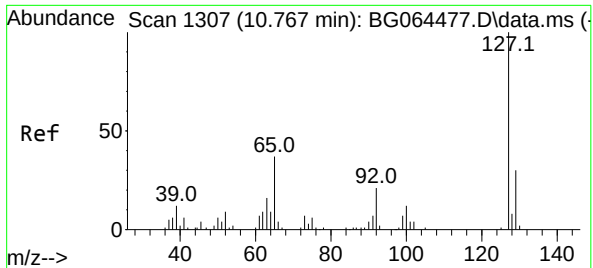
Tgt Ion:128 Resp: 177147
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 15.0 10.2 15.2



#32
Benzoic acid
Concen: 47.298 ng
RT: 9.942 min Scan# 1166
Delta R.T. 0.053 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:122 Resp: 40959
Ion Ratio Lower Upper
122 100
105 121.2 113.9 153.9
77 103.8 86.1 126.1

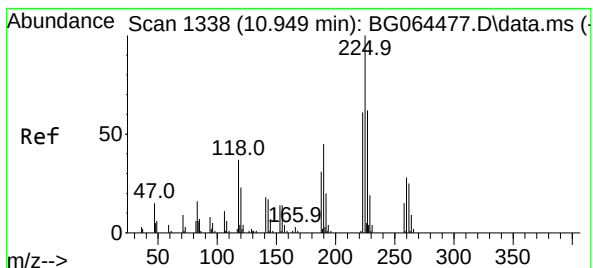
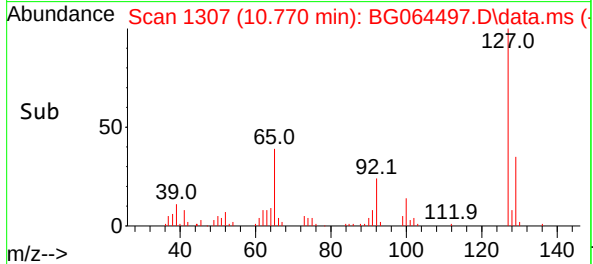
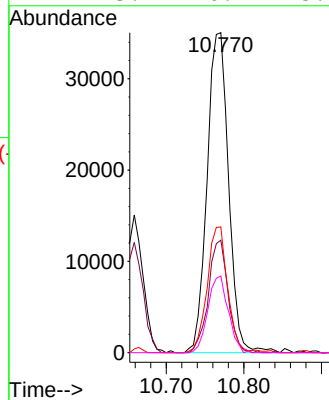
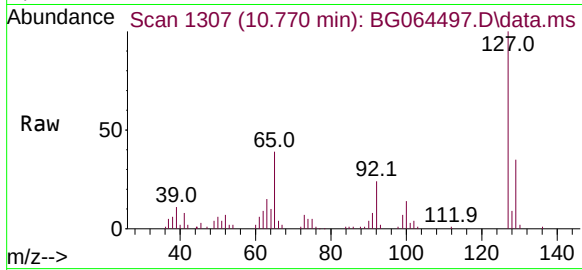




#33
4-Chloroaniline
Concen: 42.662 ng
RT: 10.770 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

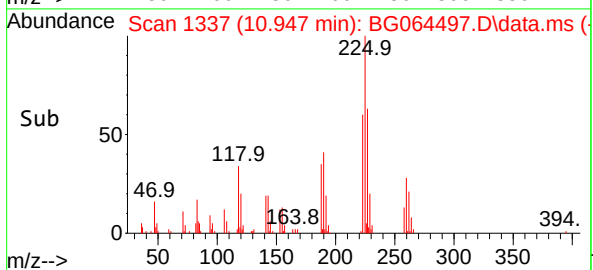
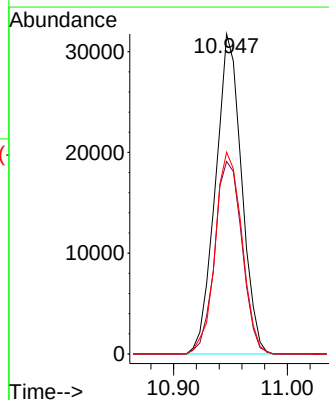
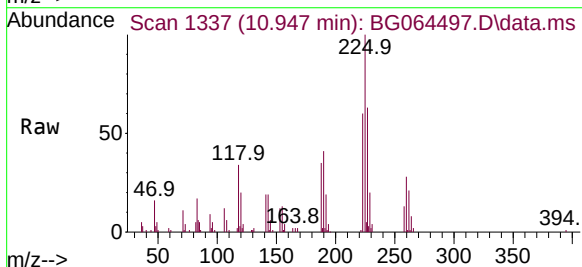
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

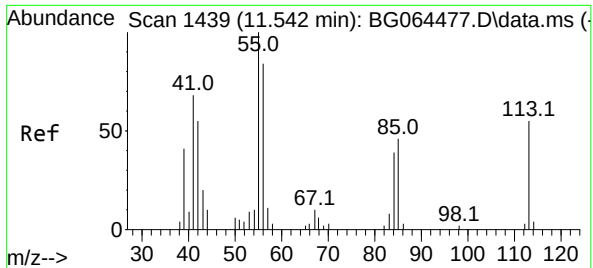
Tgt Ion:	127	Resp:	67446
Ion Ratio	Lower	Upper	
127	100		
129	35.1	24.2	36.4
65	39.3	29.6	44.4
92	23.9	16.7	25.1



#34
Hexachlorobutadiene
Concen: 41.526 ng
RT: 10.947 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:	225	Resp:	50577
Ion Ratio	Lower	Upper	
225	100		
223	60.1	49.0	73.6
227	63.0	49.9	74.9

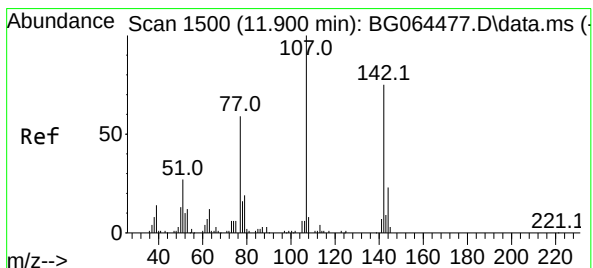
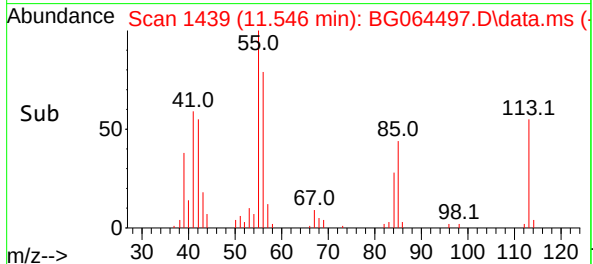
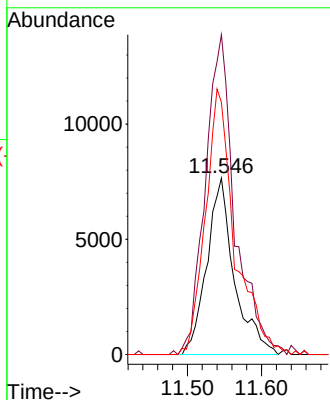
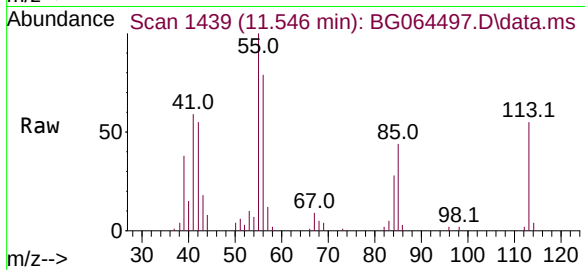




#35
Caprolactam
Concen: 44.240 ng
RT: 11.546 min Scan# 1439
Delta R.T. 0.036 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

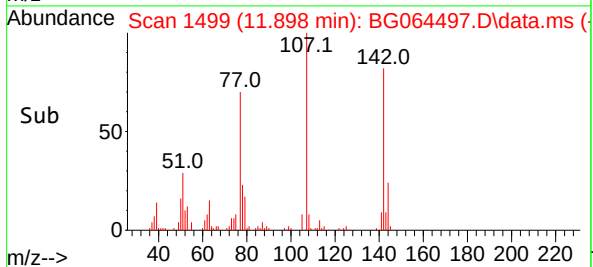
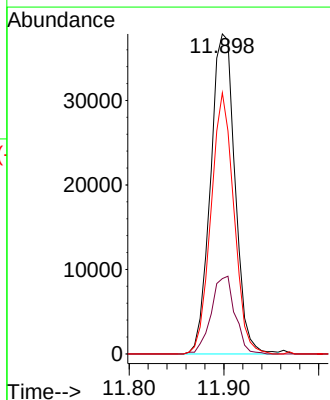
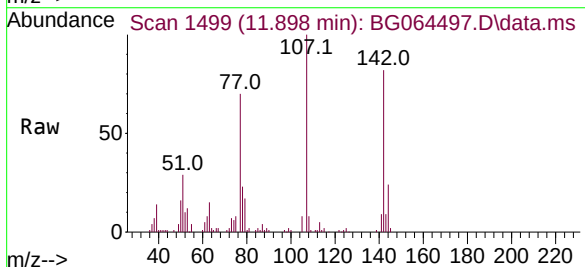
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

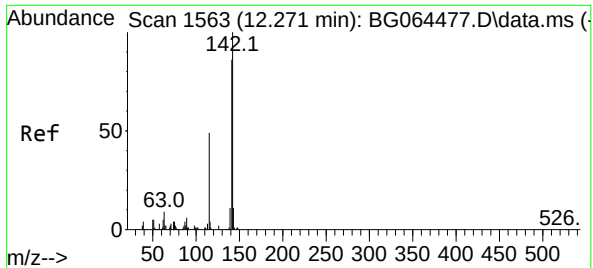
Tgt Ion:113 Resp: 19754
Ion Ratio Lower Upper
113 100
55 181.4 162.0 202.0
56 143.0 134.6 174.6



#36
4-Chloro-3-methylphenol
Concen: 42.822 ng
RT: 11.898 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:107 Resp: 67923
Ion Ratio Lower Upper
107 100
144 23.5 18.7 28.1
142 81.6 60.2 90.2

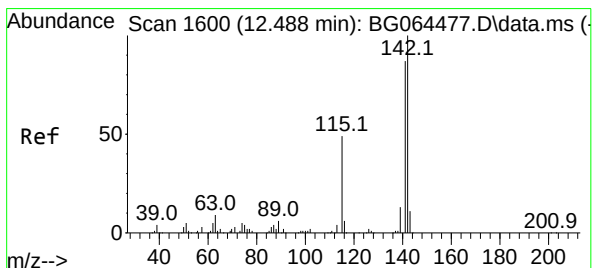
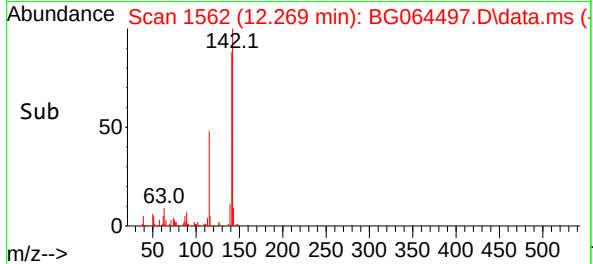
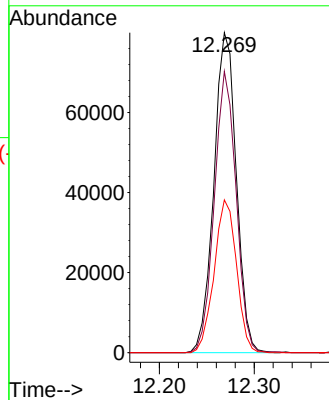
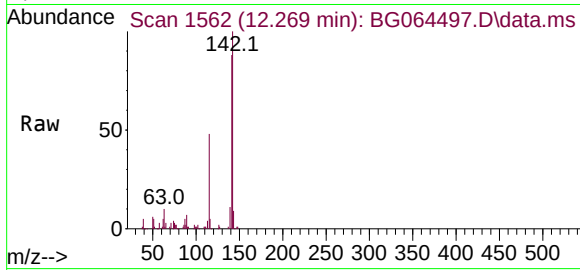




#37
2-Methylnaphthalene
Concen: 41.637 ng
RT: 12.269 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

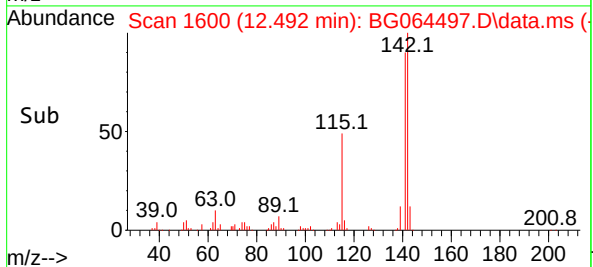
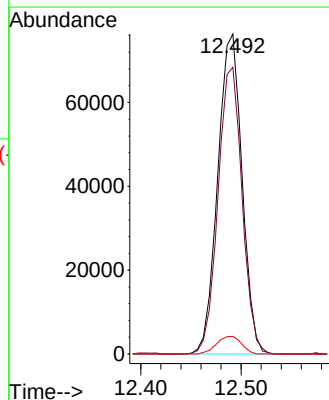
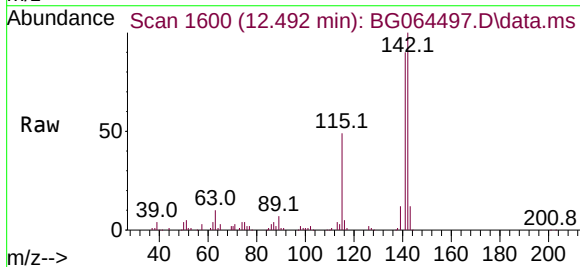
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

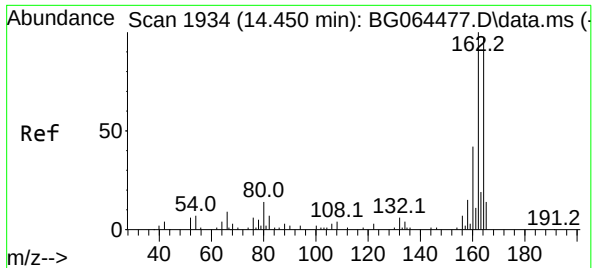
Tgt Ion:142 Resp: 131677
Ion Ratio Lower Upper
142 100
141 87.9 68.7 103.1
115 47.7 39.3 58.9



#38
1-Methylnaphthalene
Concen: 40.754 ng
RT: 12.492 min Scan# 1600
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:142 Resp: 128515
Ion Ratio Lower Upper
142 100
141 89.6 69.8 104.8
116 5.5 4.6 6.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.448 min Scan# 1934

Delta R.T. 0.000 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

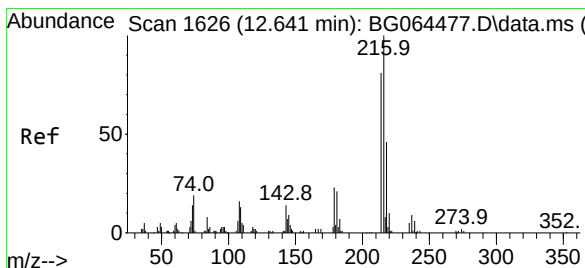
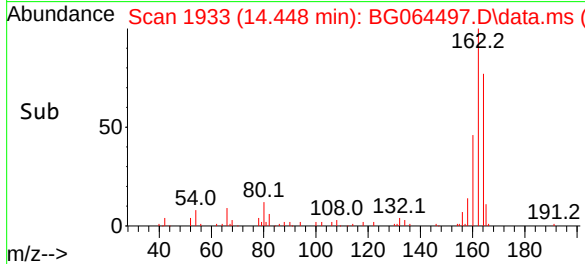
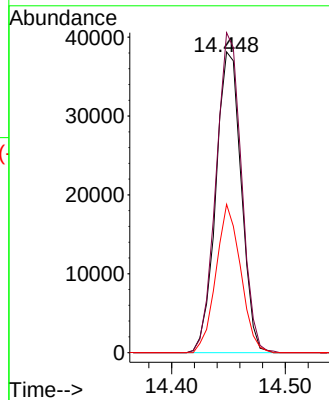
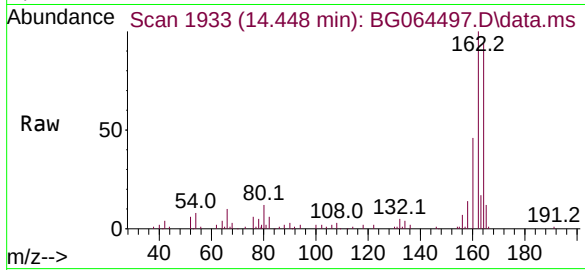
Tgt Ion:164 Resp: 58975

Ion Ratio Lower Upper

164 100

162 106.4 82.2 123.2

160 49.3 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.069 ng

RT: 12.645 min Scan# 1626

Delta R.T. 0.006 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

Tgt Ion:216 Resp: 82011

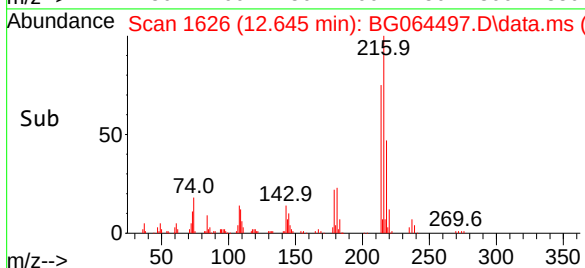
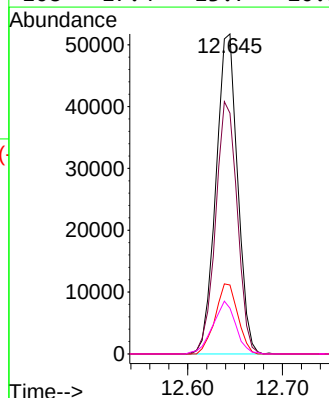
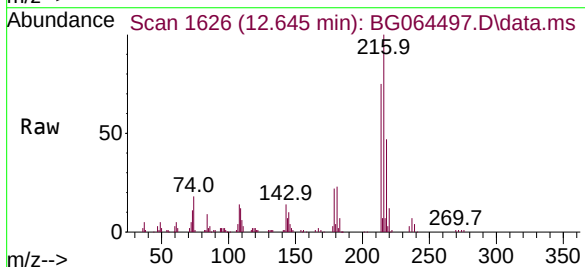
Ion Ratio Lower Upper

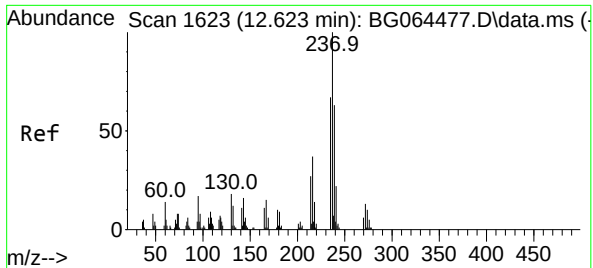
216 100

214 78.8 62.5 93.7

179 22.7 17.0 25.6

108 17.4 13.7 20.5

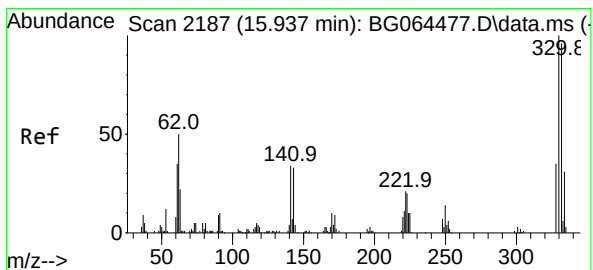
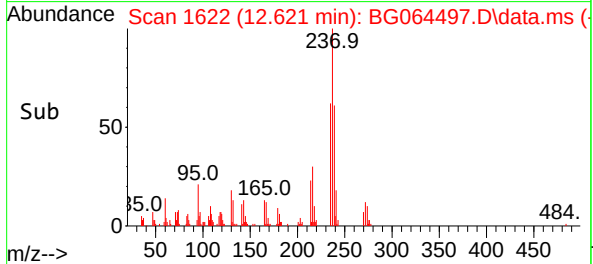
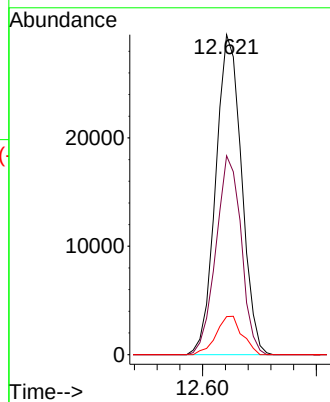
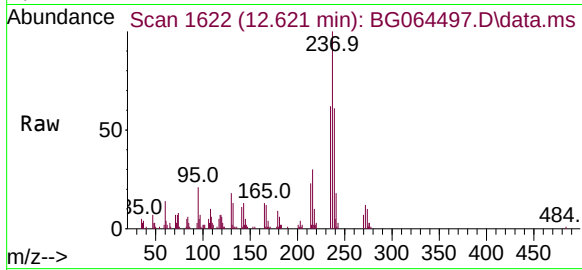




#41
Hexachlorocyclopentadiene
Concen: 46.753 ng
RT: 12.621 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

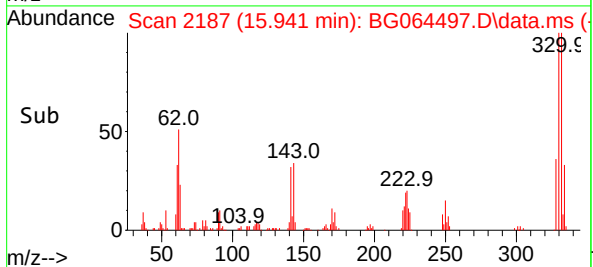
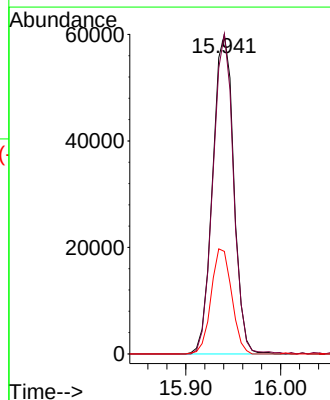
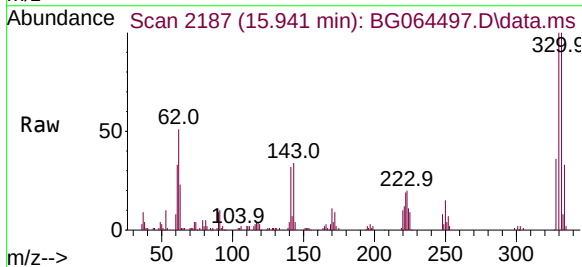
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

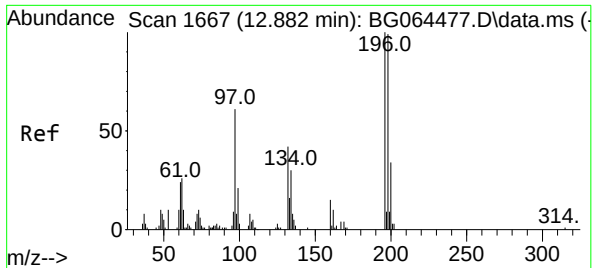
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.1	46.9	86.9
272	11.9	0.0	32.6



#42
2,4,6-Tribromophenol
Concen: 86.438 ng
RT: 15.941 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.0
141	32.2	25.8	38.6

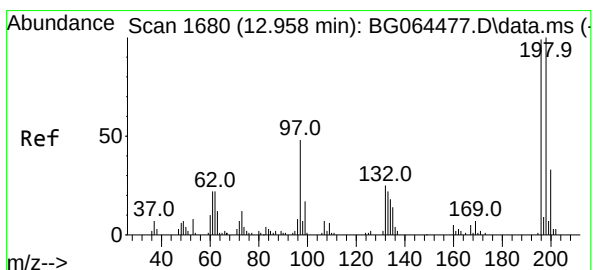
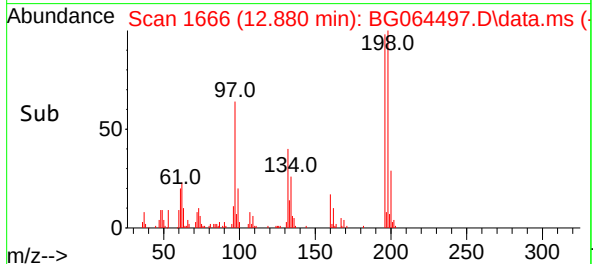
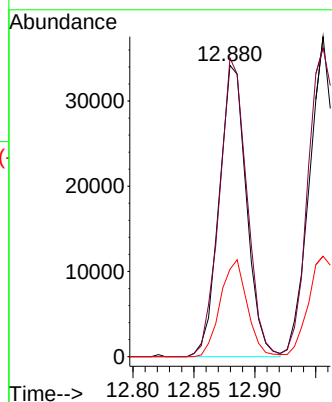
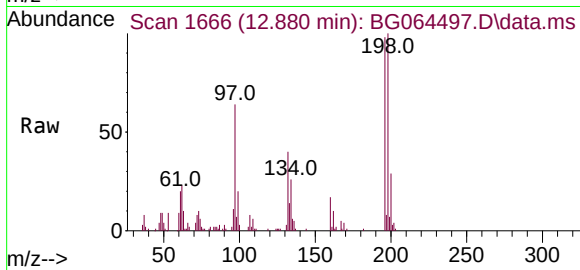




#43
2,4,6-Trichlorophenol
Concen: 43.864 ng
RT: 12.880 min Scan# 1667
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

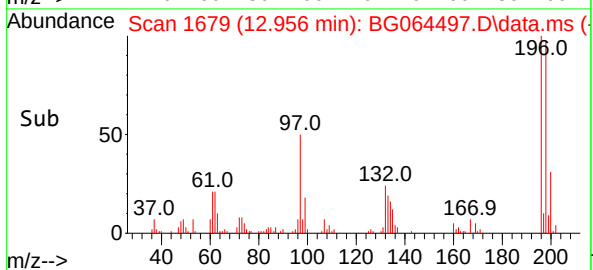
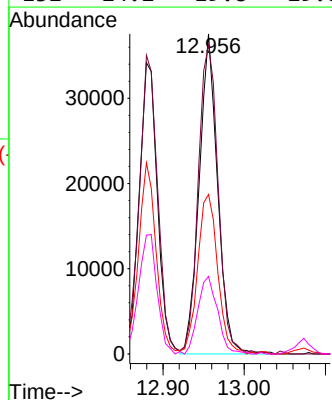
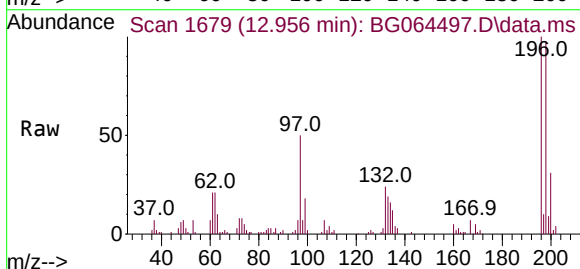
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

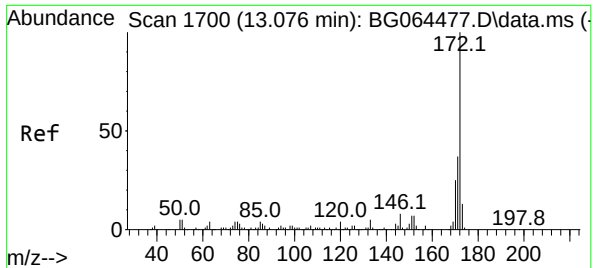
Tgt Ion:196 Resp: 53394
Ion Ratio Lower Upper
196 100
198 102.5 79.3 118.9
200 30.0 27.4 41.2



#44
2,4,5-Trichlorophenol
Concen: 43.692 ng
RT: 12.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:196 Resp: 59377
Ion Ratio Lower Upper
196 100
198 96.6 80.3 120.5
97 49.8 39.4 59.0
132 24.2 19.8 29.8

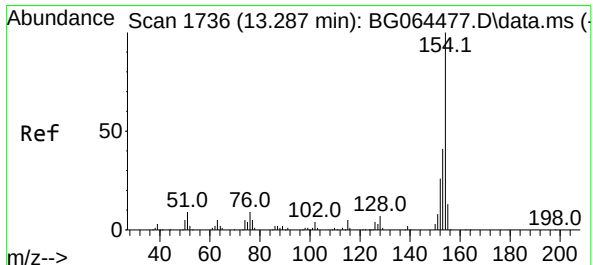
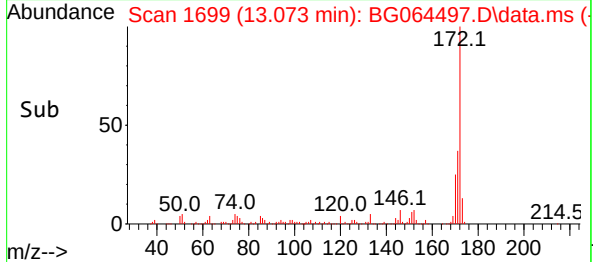
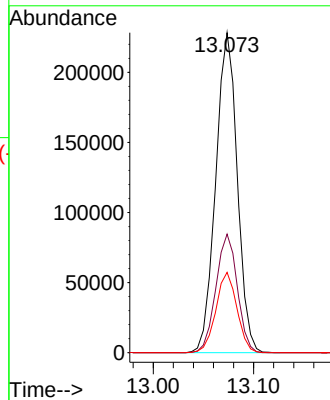
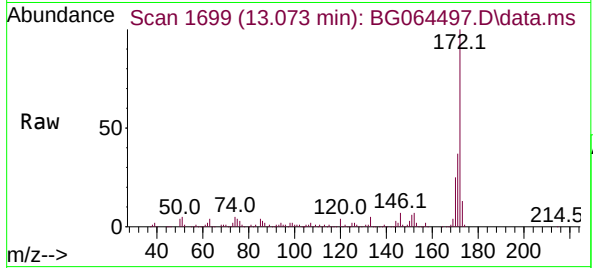




#45
2-Fluorobiphenyl
Concen: 85.220 ng
RT: 13.073 min Scan# 1699
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

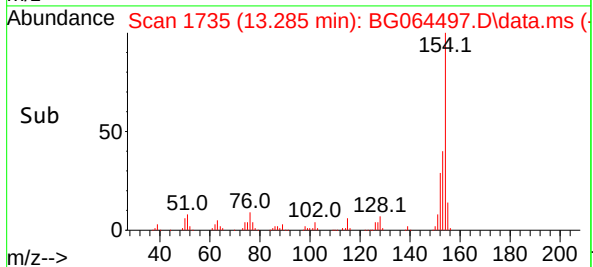
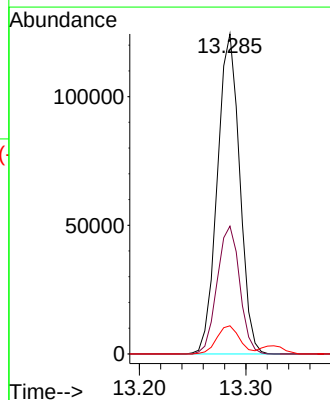
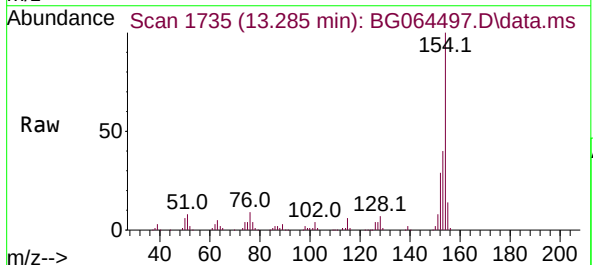
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

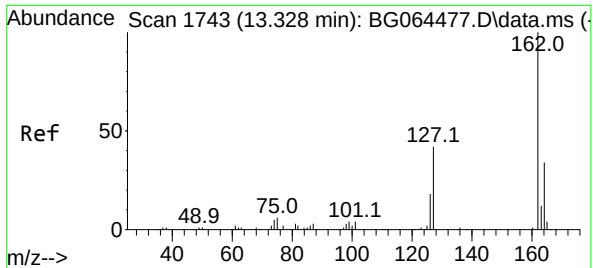
Tgt Ion:172 Resp: 340965
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 25.1 20.2 30.2



#46
1,1'-Biphenyl
Concen: 42.720 ng
RT: 13.285 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:154 Resp: 181204
Ion Ratio Lower Upper
154 100
153 39.9 20.7 60.7
76 8.8 0.0 29.3





#47

2-Chloronaphthalene

Concen: 43.189 ng

RT: 13.326 min Scan# 1742

Delta R.T. 0.006 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

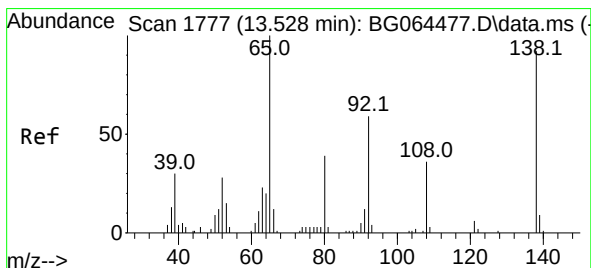
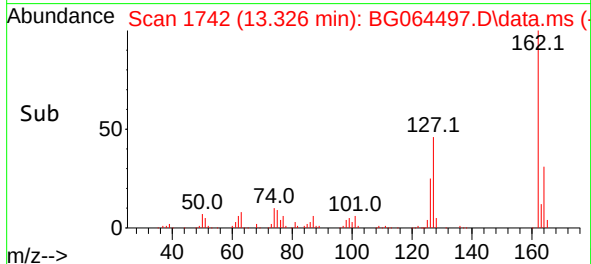
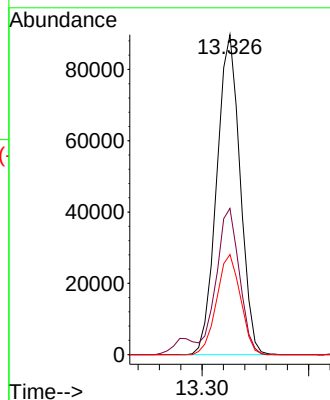
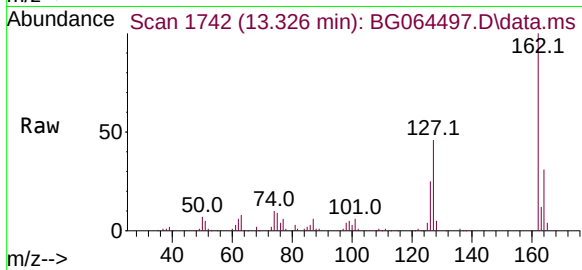
Tgt Ion:162 Resp: 136775

Ion Ratio Lower Upper

162 100

127 45.7 35.8 53.8

164 31.3 27.2 40.8



#48

2-Nitroaniline

Concen: 45.105 ng

RT: 13.526 min Scan# 1776

Delta R.T. 0.000 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

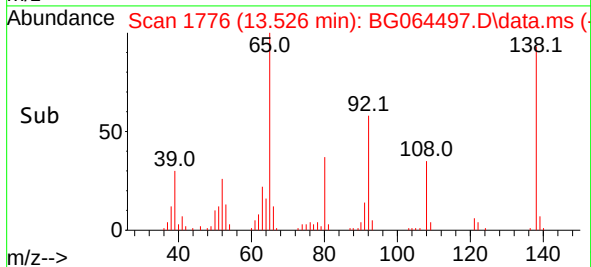
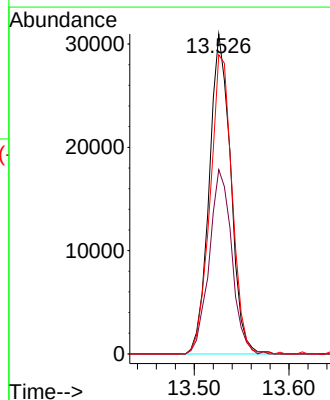
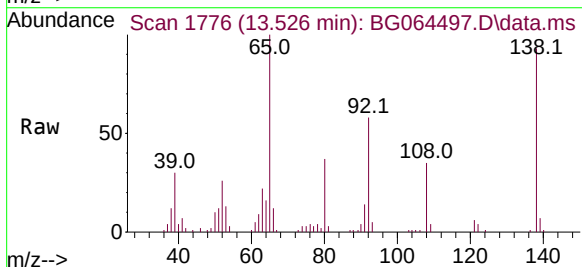
Tgt Ion: 65 Resp: 48753

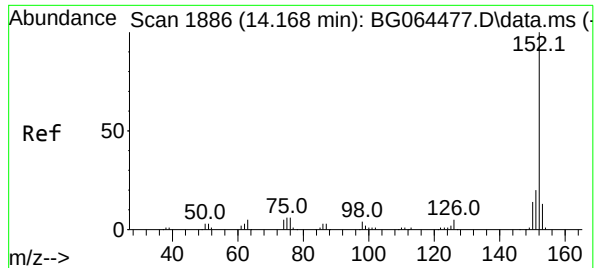
Ion Ratio Lower Upper

65 100

92 57.6 47.0 70.6

138 93.5 73.5 110.3

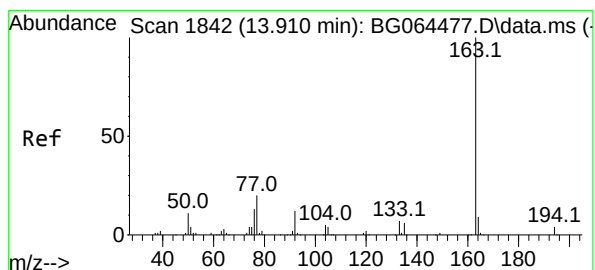
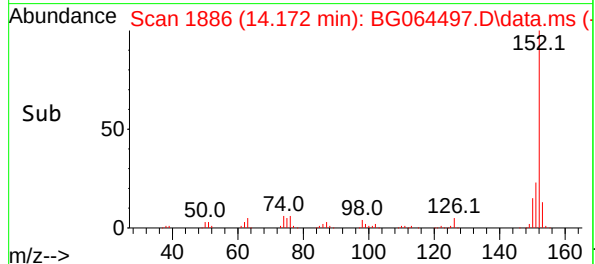
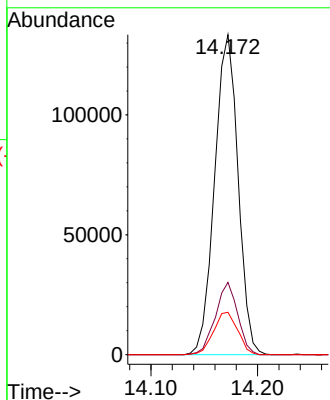
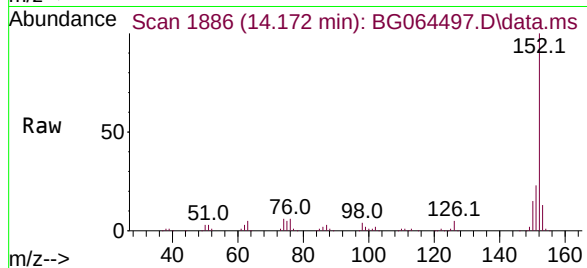




#49
Acenaphthylene
Concen: 43.330 ng
RT: 14.172 min Scan# 1886
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

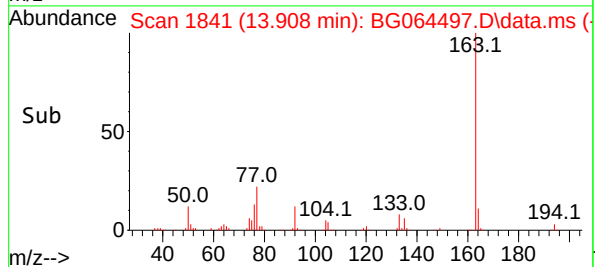
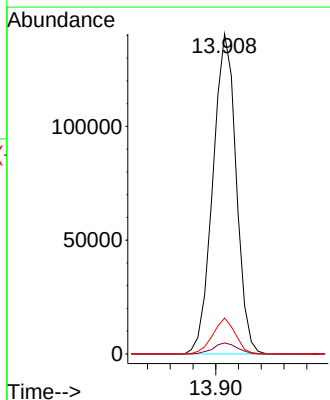
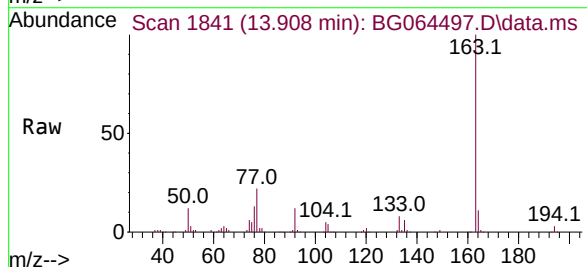
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

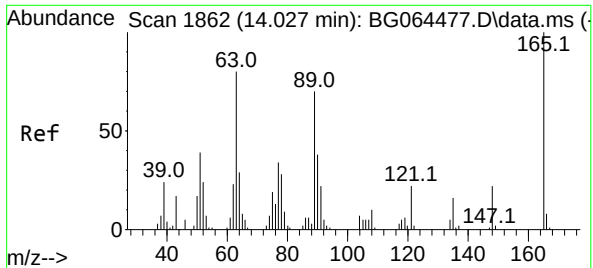
Tgt Ion:152 Resp: 203700
Ion Ratio Lower Upper
152 100
151 22.6 15.8 23.6
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 43.309 ng
RT: 13.908 min Scan# 1841
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:163 Resp: 200044
Ion Ratio Lower Upper
163 100
194 3.5 2.9 4.3
164 11.2 7.4 11.0#

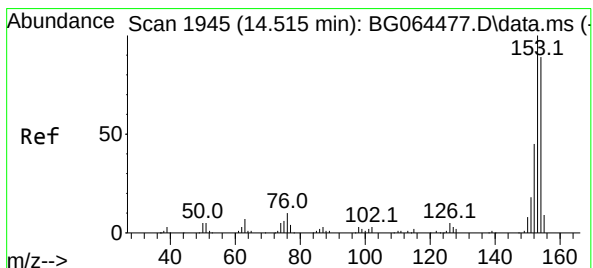
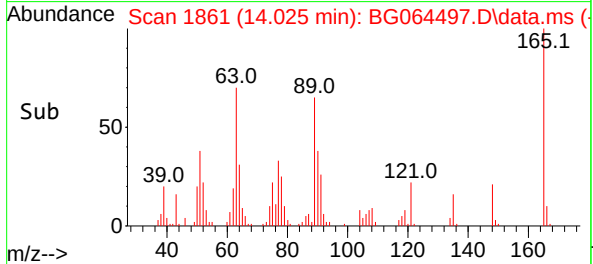
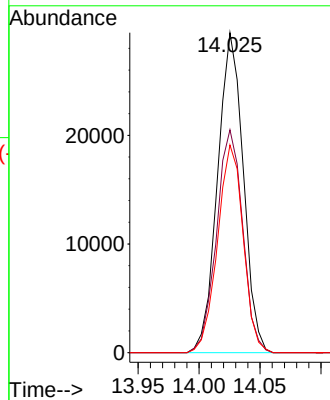
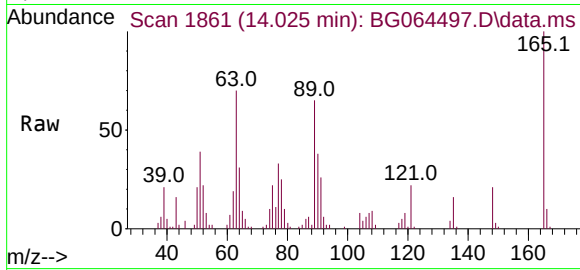




#51
2,6-Dinitrotoluene
Concen: 44.782 ng
RT: 14.025 min Scan# 1861
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

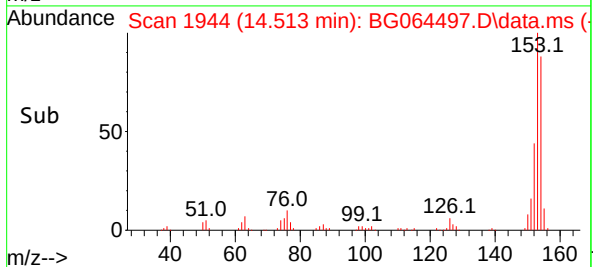
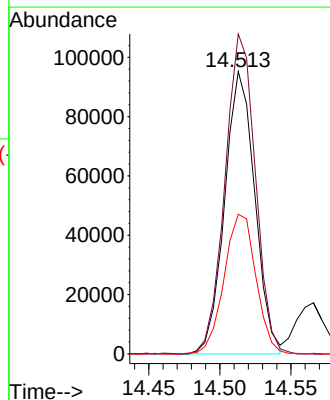
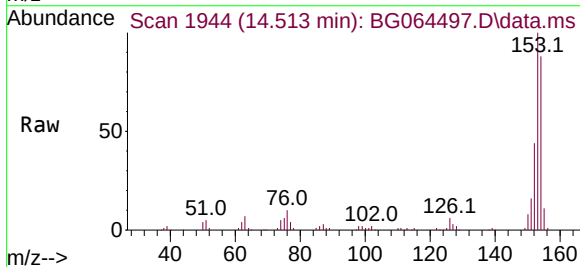
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

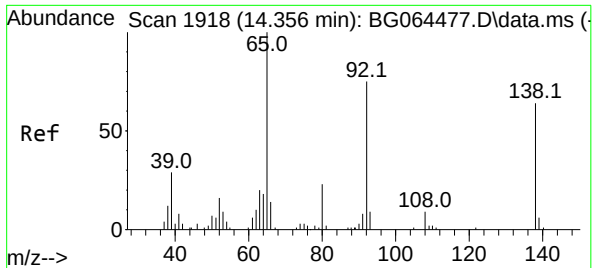
Tgt Ion:165 Resp: 43089
Ion Ratio Lower Upper
165 100
63 69.6 63.9 95.9
89 64.9 56.1 84.1



#52
Acenaphthene
Concen: 43.017 ng
RT: 14.513 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:154 Resp: 140501
Ion Ratio Lower Upper
154 100
153 113.3 90.2 135.4
152 49.5 40.2 60.4

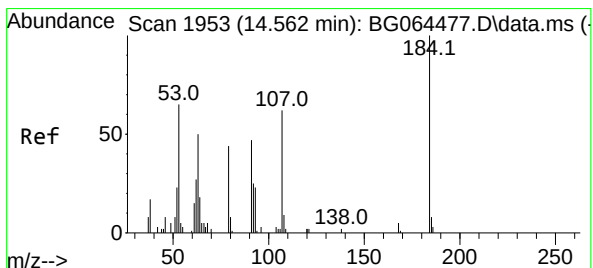
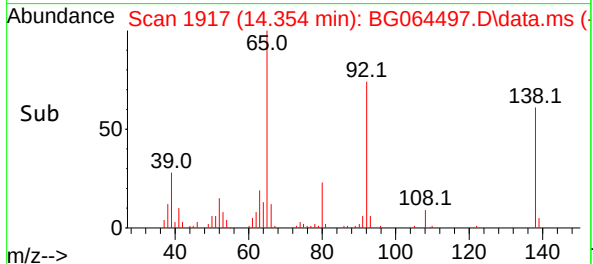
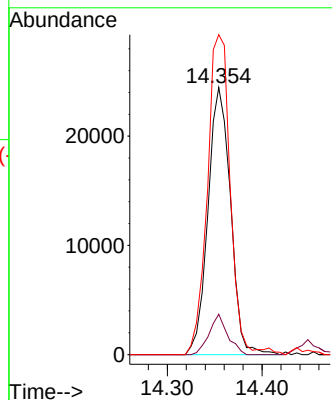
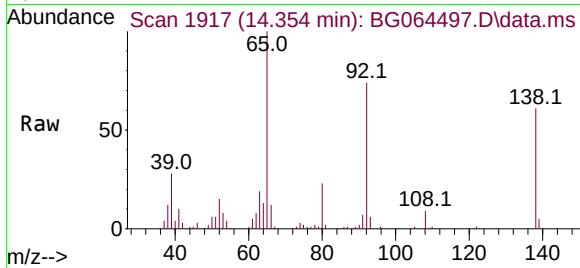




#53
3-Nitroaniline
Concen: 45.643 ng
RT: 14.354 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

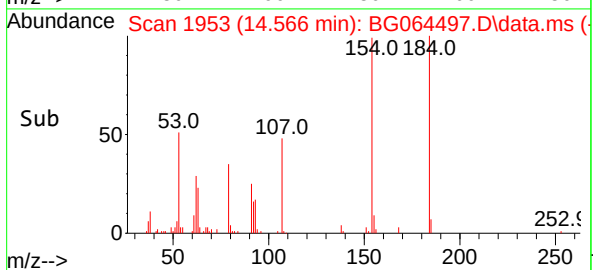
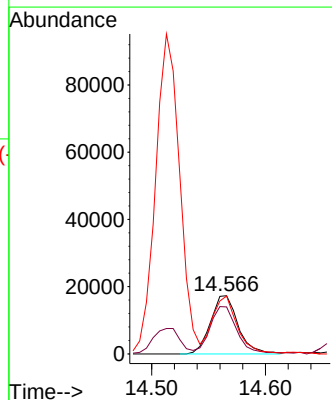
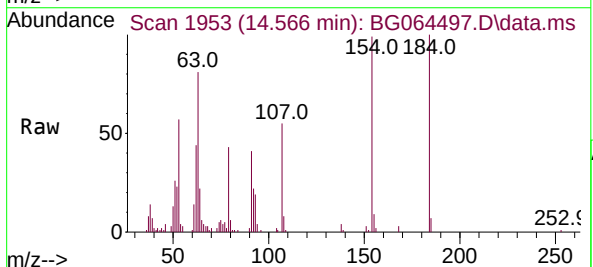
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

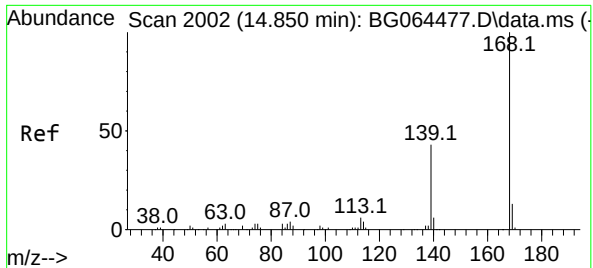
Tgt Ion:138 Resp: 40502
Ion Ratio Lower Upper
138 100
108 15.1 10.6 15.8
92 119.8 93.2 139.8



#54
2,4-Dinitrophenol
Concen: 41.640 ng
RT: 14.566 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:184 Resp: 29052
Ion Ratio Lower Upper
184 100
63 80.8 69.0 103.4
154 99.4 95.6 143.4

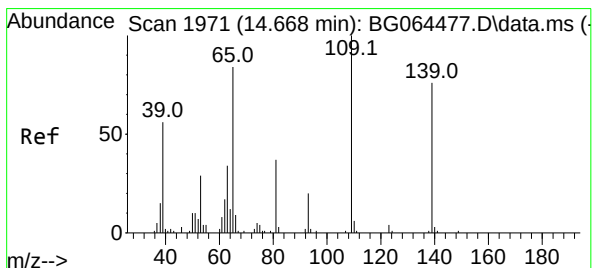
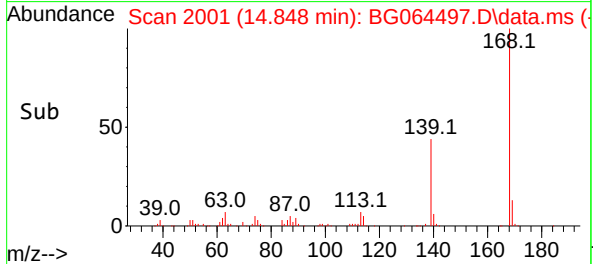
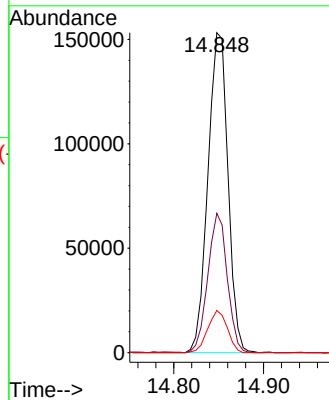
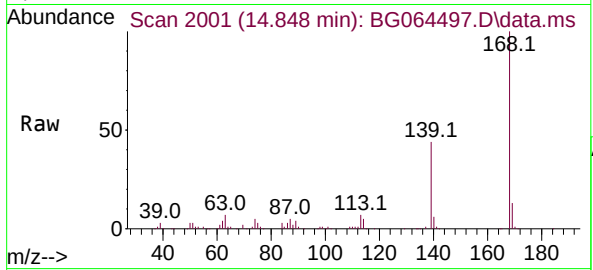




#55
Dibenzofuran
Concen: 44.036 ng
RT: 14.848 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

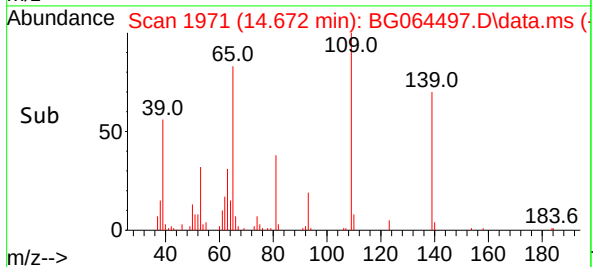
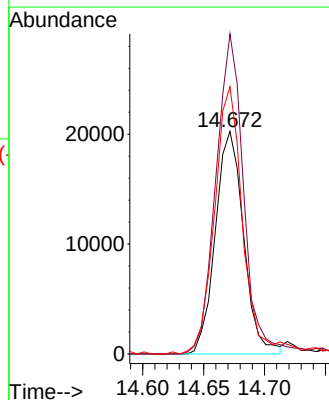
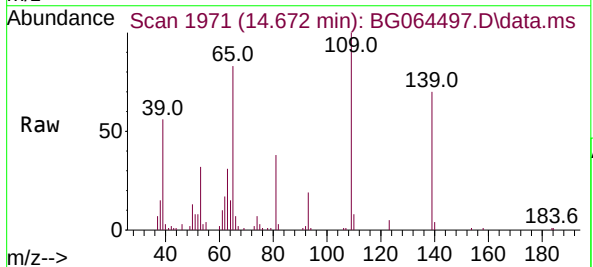
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

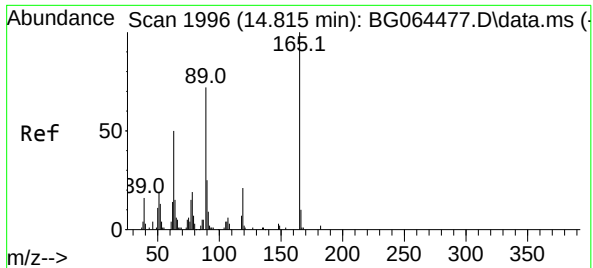
Tgt Ion:168 Resp: 237480
Ion Ratio Lower Upper
168 100
139 43.5 34.0 51.0
169 13.2 10.2 15.2



#56
4-Nitrophenol
Concen: 46.731 ng
RT: 14.672 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:139 Resp: 32648
Ion Ratio Lower Upper
139 100
109 143.8 111.8 151.8
65 120.1 91.1 131.1

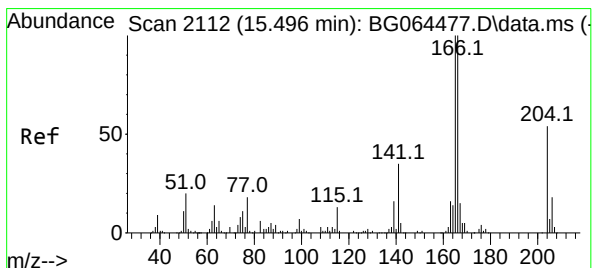
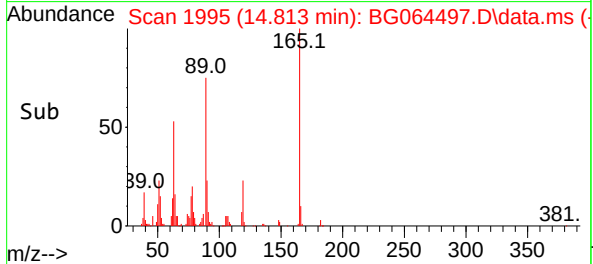
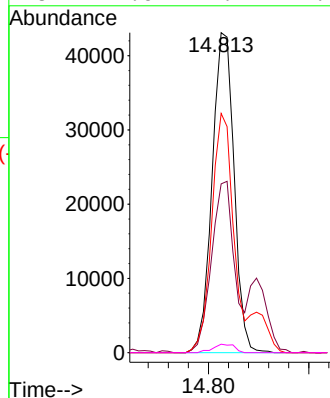
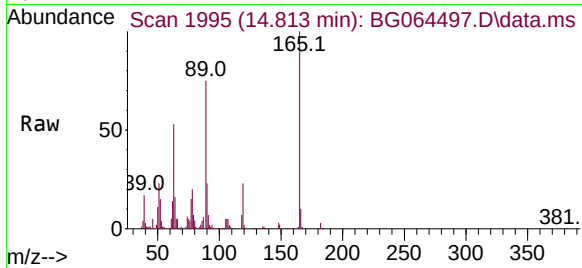




#57
2,4-Dinitrotoluene
Concen: 44.495 ng
RT: 14.813 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

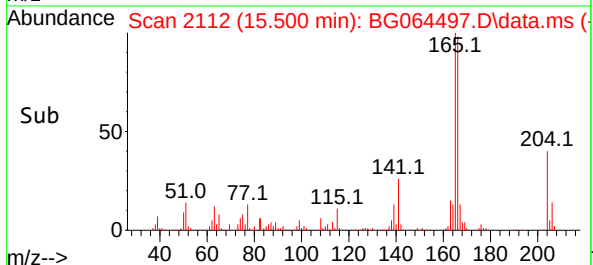
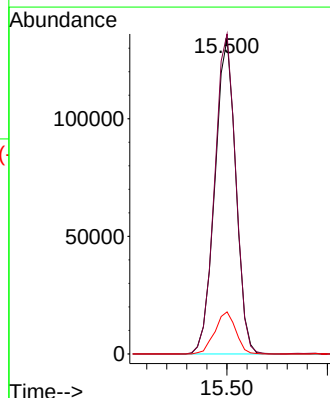
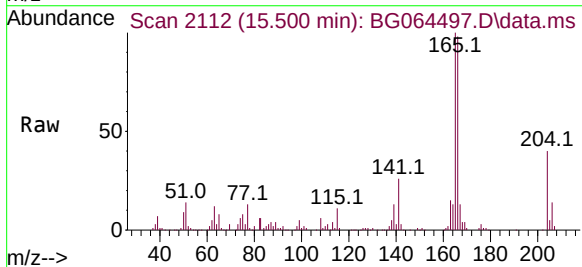
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

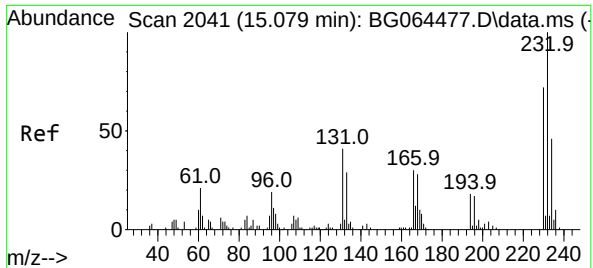
Tgt Ion:165 Resp: 65446
Ion Ratio Lower Upper
165 100
63 52.7 40.4 60.6
89 74.7 57.3 85.9
182 2.6 1.9 2.9



#58
Fluorene
Concen: 43.334 ng
RT: 15.500 min Scan# 2112
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:166 Resp: 194282
Ion Ratio Lower Upper
166 100
165 101.5 79.8 119.6
167 13.3 11.7 17.5

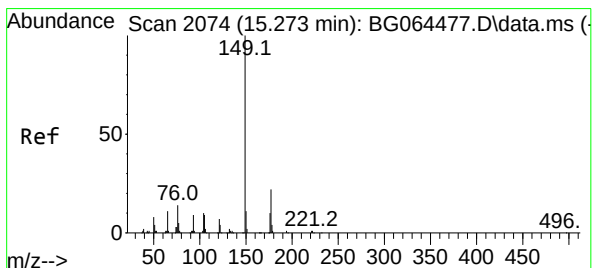
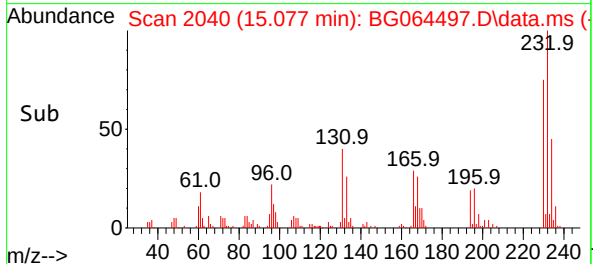
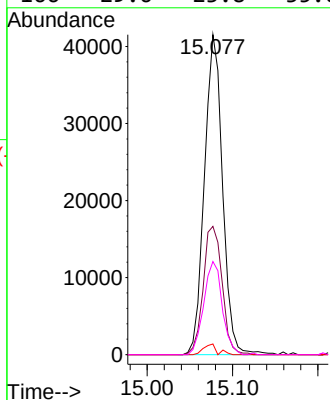
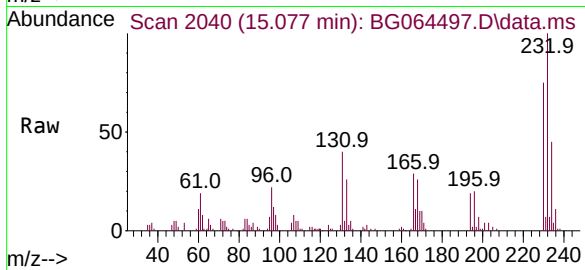




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.261 ng
RT: 15.077 min Scan# 2041
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

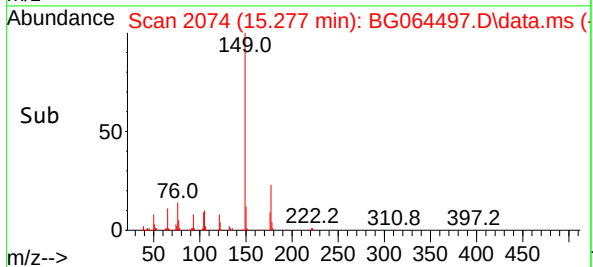
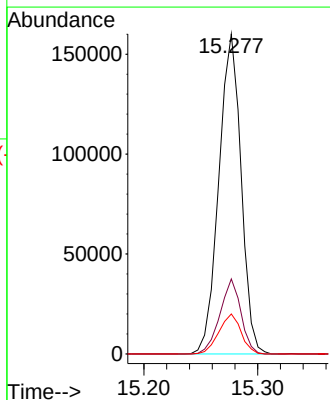
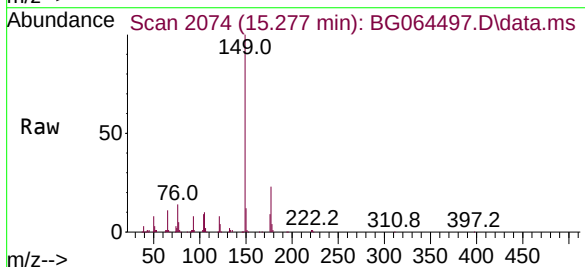
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

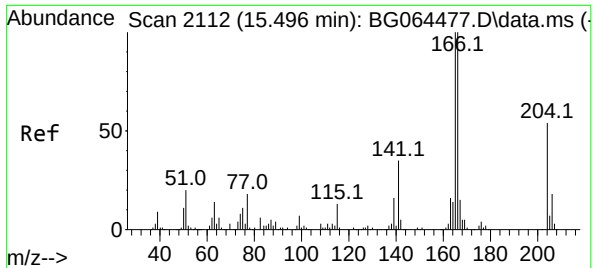
Tgt Ion:232 Resp: 61387
Ion Ratio Lower Upper
232 100
131 41.6 35.0 52.4
130 2.5 2.0 3.0
166 29.6 23.8 35.6



#60
Diethylphthalate
Concen: 43.791 ng
RT: 15.277 min Scan# 2074
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:149 Resp: 216982
Ion Ratio Lower Upper
149 100
177 23.4 17.4 26.0
150 12.5 9.1 13.7

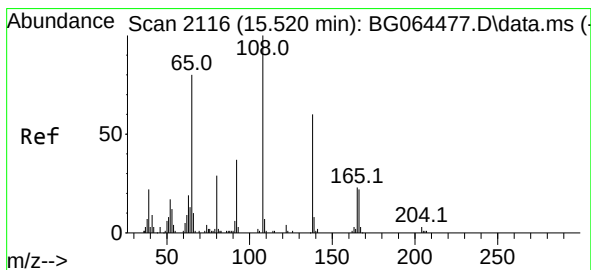
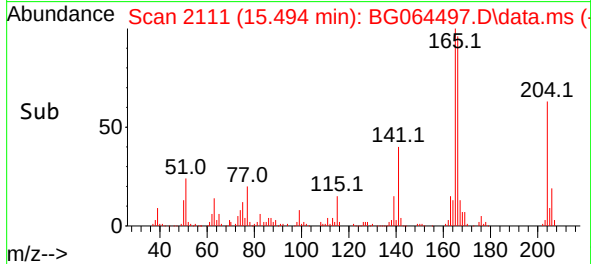
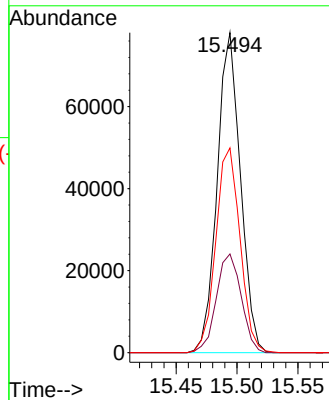
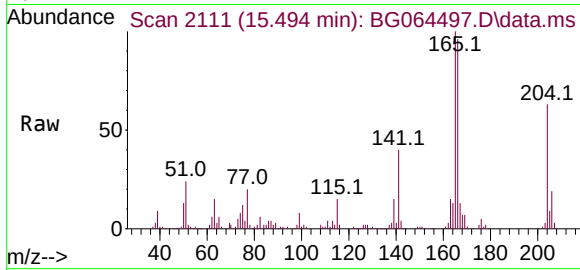




#61
4-Chlorophenyl-phenylether
Concen: 42.356 ng
RT: 15.494 min Scan# 2112
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

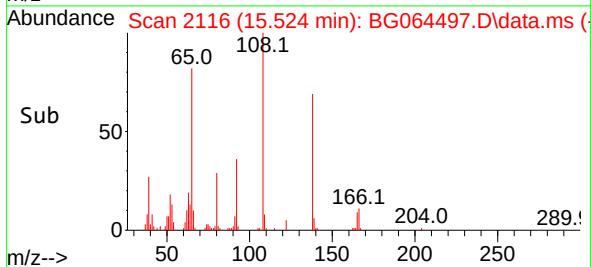
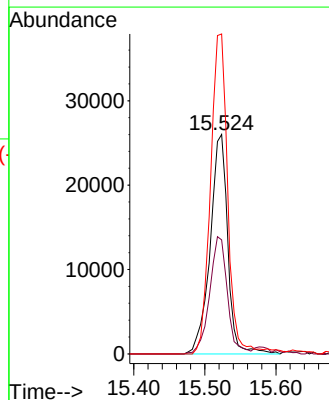
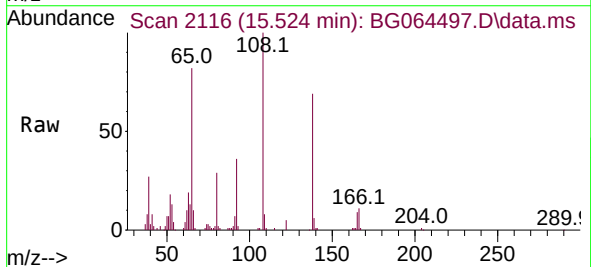
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

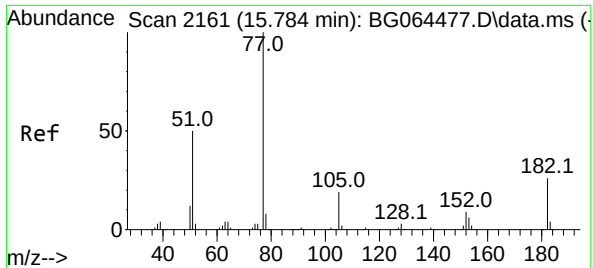
Tgt Ion:204 Resp: 103672
Ion Ratio Lower Upper
204 100
206 30.8 27.1 40.7
141 64.0 51.5 77.3



#62
4-Nitroaniline
Concen: 48.504 ng
RT: 15.524 min Scan# 2116
Delta R.T. 0.012 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:138 Resp: 44860
Ion Ratio Lower Upper
138 100
92 52.0 42.3 82.3
108 145.8 147.7 187.7#

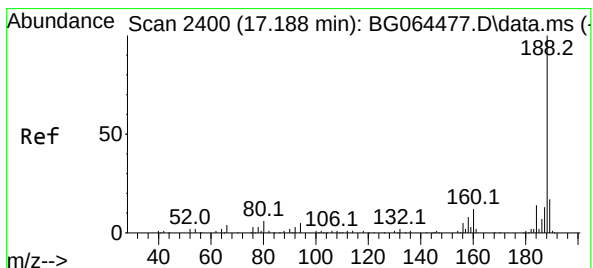
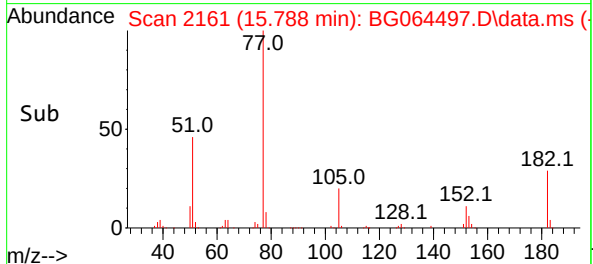
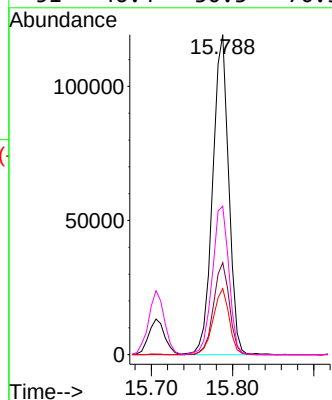
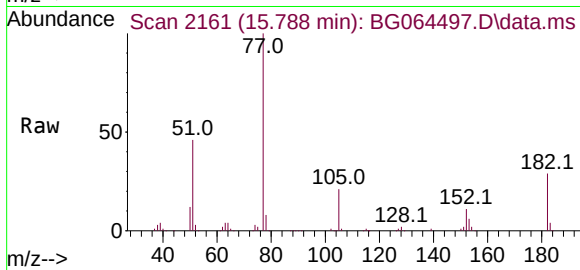




#63
Azobenzene
Concen: 42.644 ng
RT: 15.788 min Scan# 2161
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

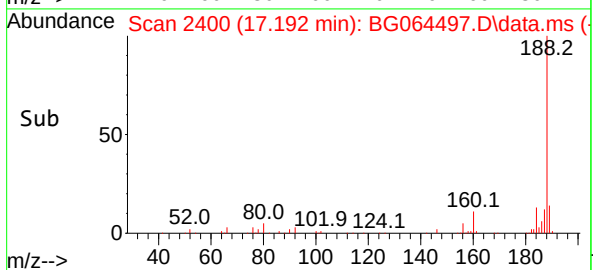
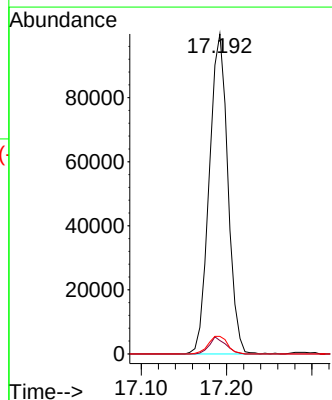
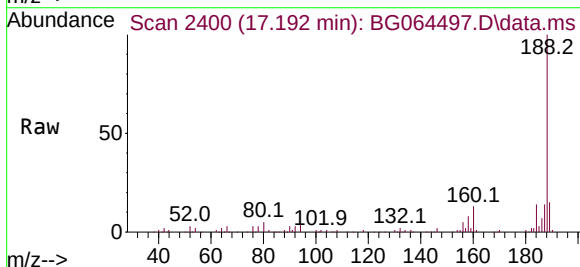
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

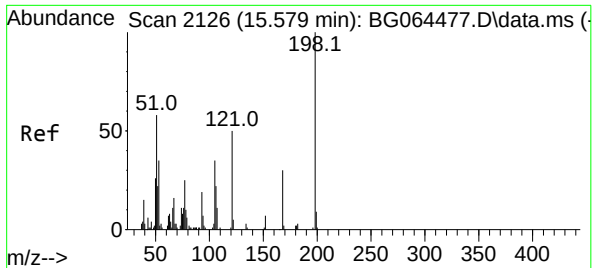
Tgt Ion:	77	Resp:	163644
Ion	Ratio	Lower	Upper
77	100		
182	28.7	6.3	46.3
105	20.6	0.0	38.7
51	46.4	30.3	70.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2400
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:	188	Resp:	150748
Ion	Ratio	Lower	Upper
188	100		
94	4.2	3.7	5.5
80	5.5	4.5	6.7

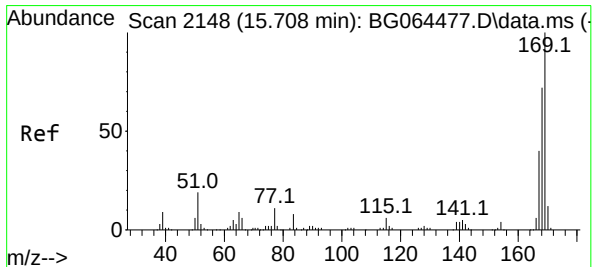
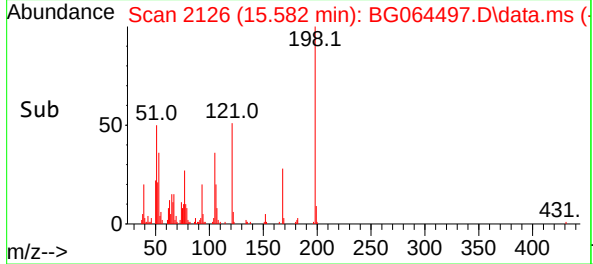
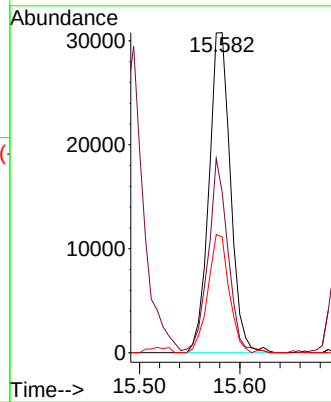
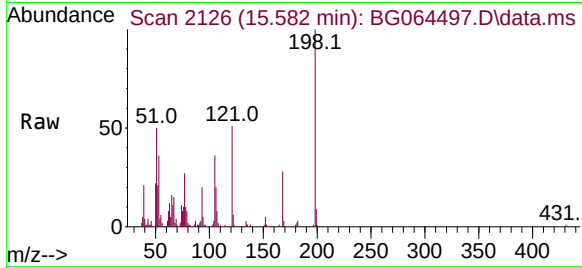




#65
4,6-Dinitro-2-methylphenol
Concen: 43.710 ng
RT: 15.582 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

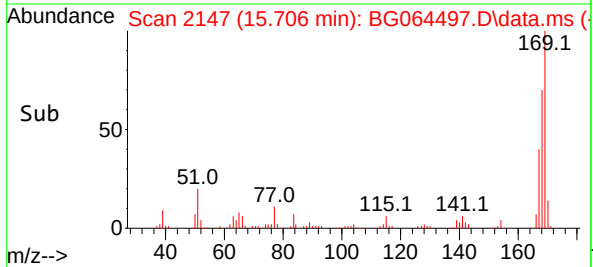
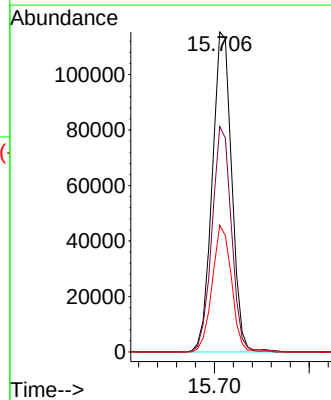
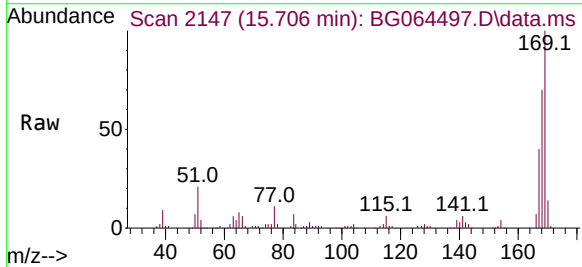
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

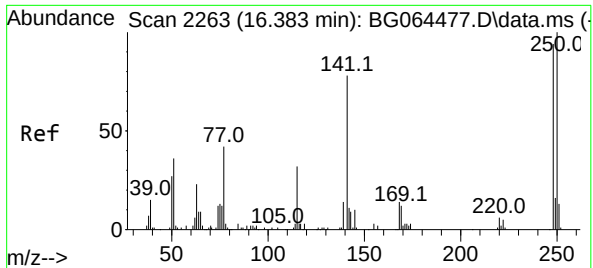
Tgt Ion	Ratio	Lower	Upper
198	100		
51	50.2	39.0	79.0
105	36.1	15.8	55.8



#66
n-Nitrosodiphenylamine
Concen: 40.829 ng
RT: 15.706 min Scan# 2147
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion	Ratio	Lower	Upper
169	100		
168	70.4	57.8	86.6
167	39.5	31.7	47.5





#67

4-Bromophenyl-phenylether

Concen: 41.309 ng

RT: 16.387 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

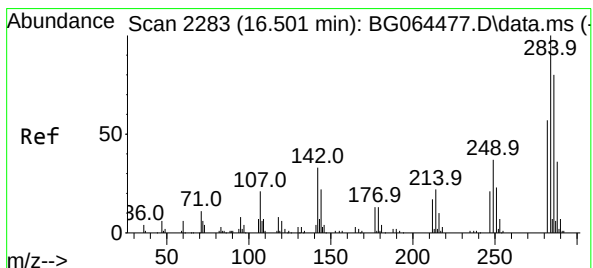
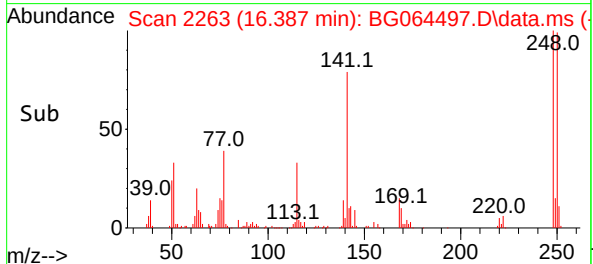
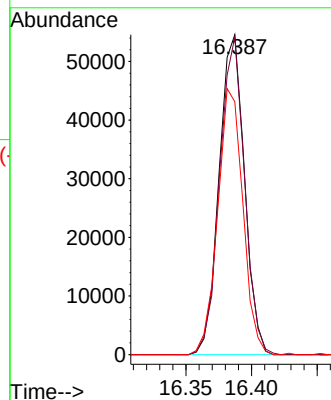
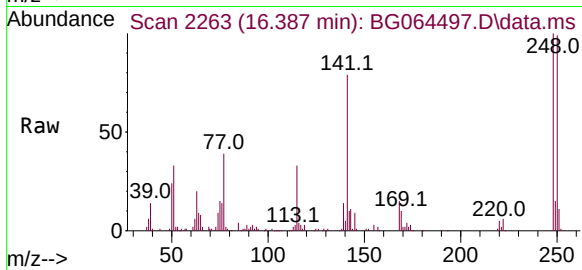
Tgt Ion:248 Resp: 73281

Ion Ratio Lower Upper

248 100

250 99.2 85.3 127.9

141 79.0 66.2 99.2



#68

Hexachlorobenzene

Concen: 42.298 ng

RT: 16.505 min Scan# 2283

Delta R.T. 0.006 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

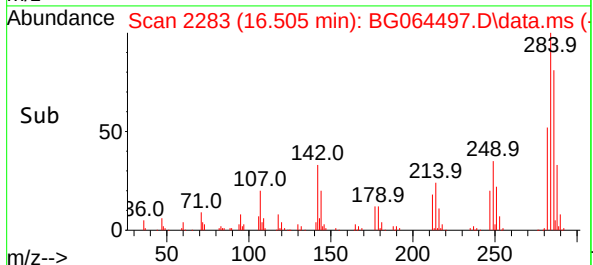
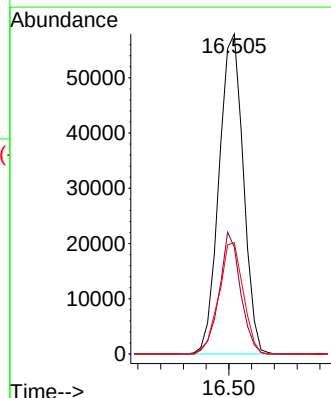
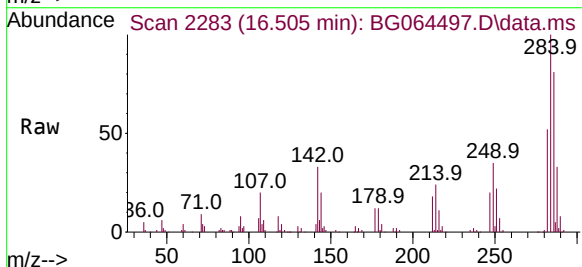
Tgt Ion:284 Resp: 85861

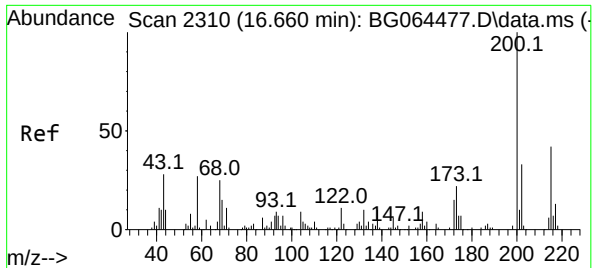
Ion Ratio Lower Upper

284 100

142 33.3 26.2 39.2

249 34.8 29.4 44.0

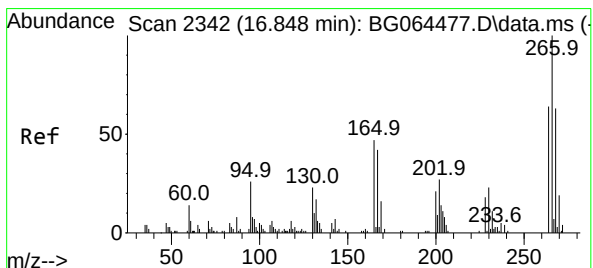
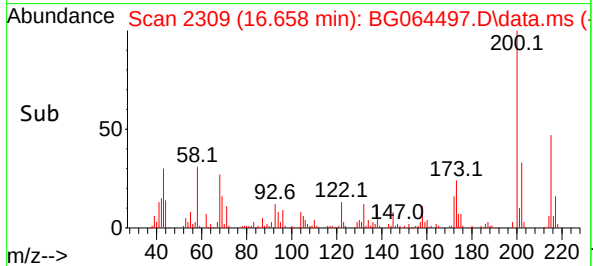
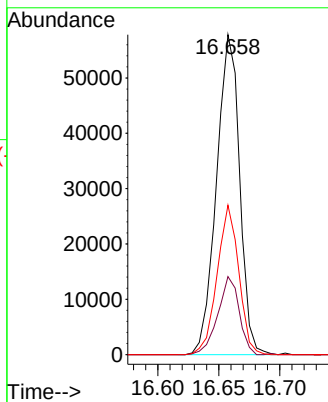
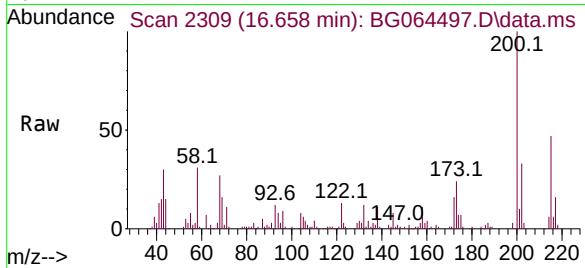




#69
Atrazine
Concen: 42.602 ng
RT: 16.658 min Scan# 2310
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

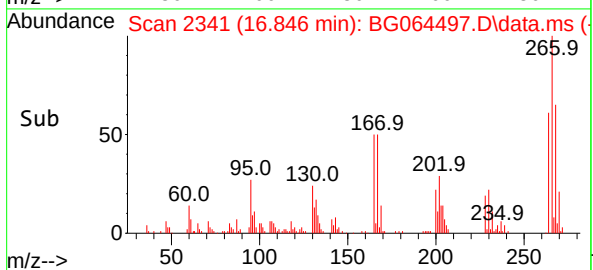
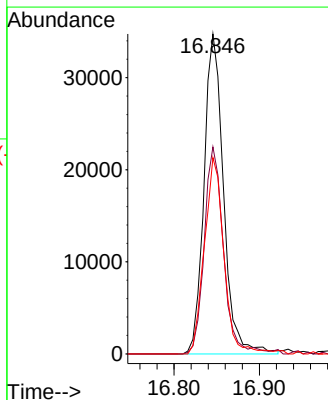
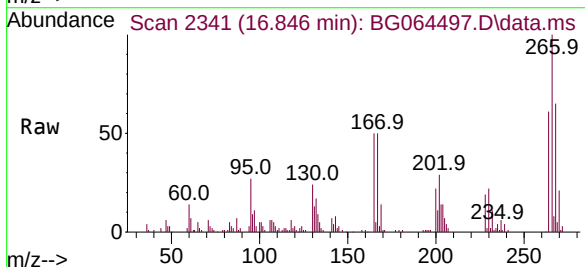
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

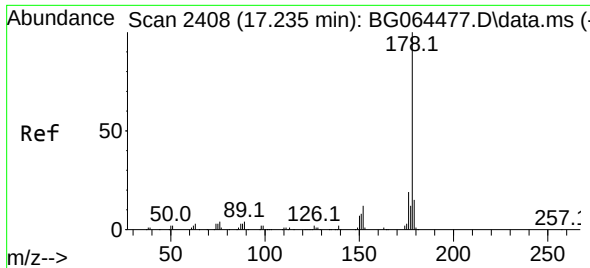
Tgt Ion:200 Resp: 76301
Ion Ratio Lower Upper
200 100
173 24.4 2.5 42.5
215 46.7 21.5 61.5



#70
Pentachlorophenol
Concen: 46.520 ng
RT: 16.846 min Scan# 2341
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:266 Resp: 55213
Ion Ratio Lower Upper
266 100
268 64.7 50.6 75.8
264 61.3 51.2 76.8

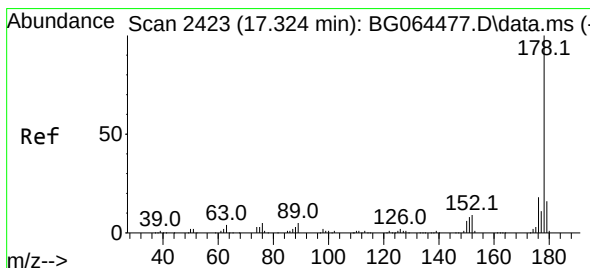
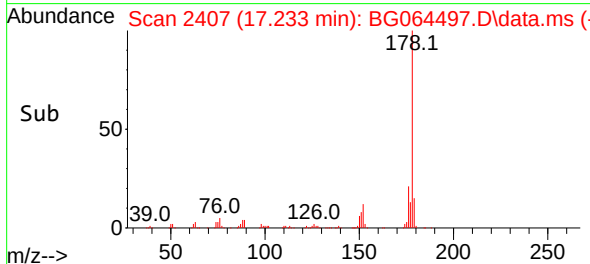
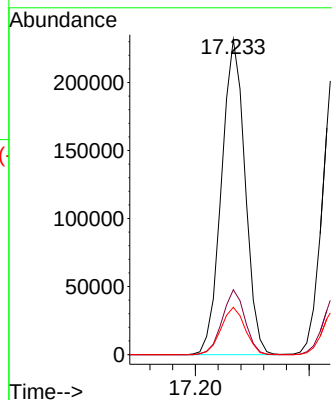
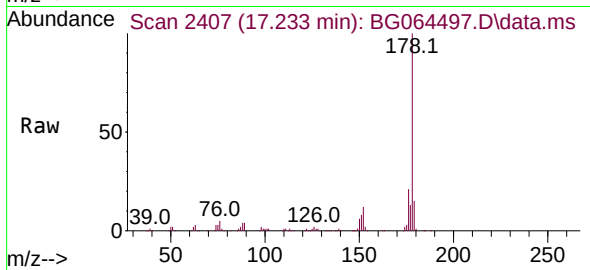




#71
Phenanthrene
Concen: 42.284 ng
RT: 17.233 min Scan# 2407
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

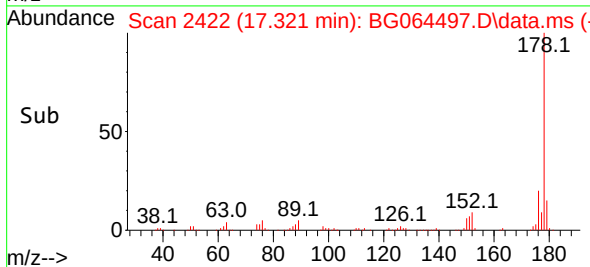
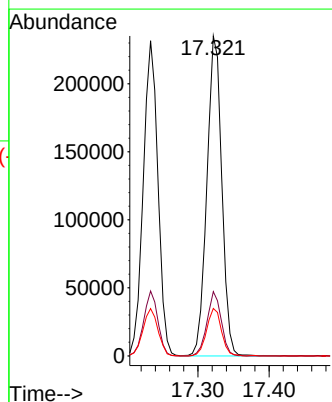
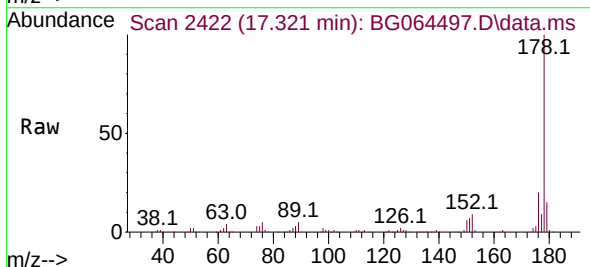
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

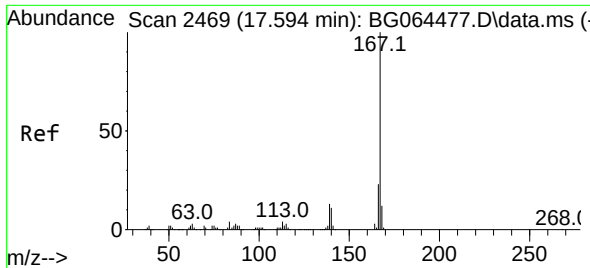
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.2	22.8
179	15.0	11.8	17.6



#72
Anthracene
Concen: 43.062 ng
RT: 17.321 min Scan# 2422
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	14.6	21.8
179	14.8	12.5	18.7

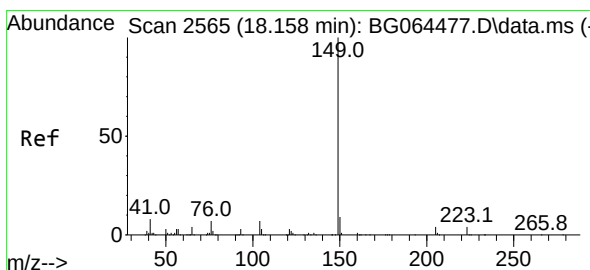
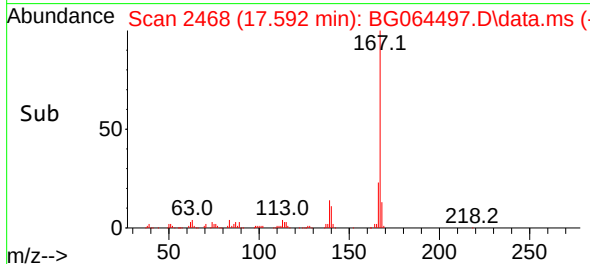
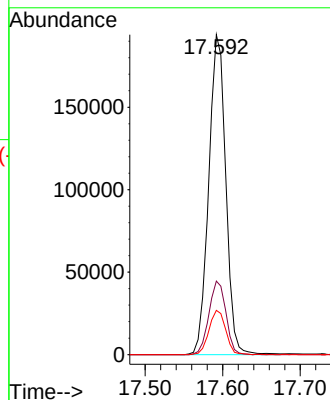
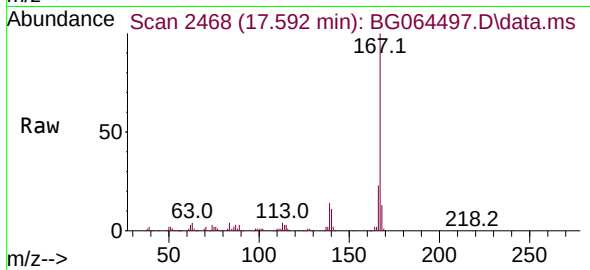




#73
Carbazole
Concen: 43.345 ng
RT: 17.592 min Scan# 2468
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

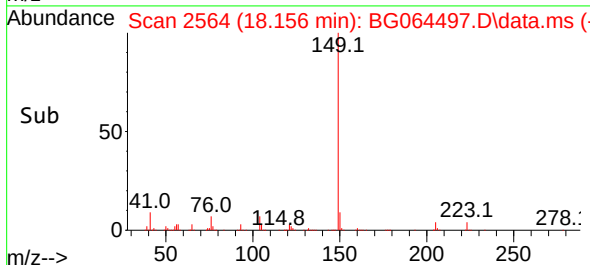
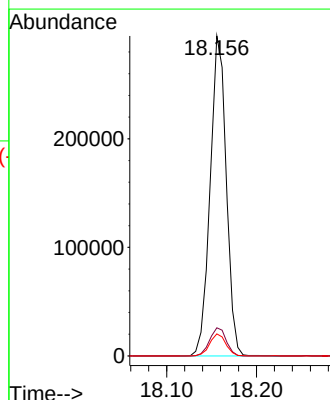
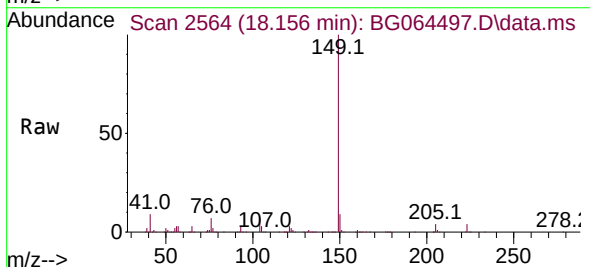
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

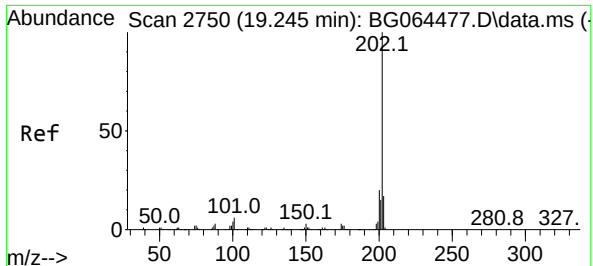
Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.6	27.8
139	13.8	10.2	15.4



#74
Di-n-butylphthalate
Concen: 44.258 ng
RT: 18.156 min Scan# 2564
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.2
104	6.9	5.3	7.9

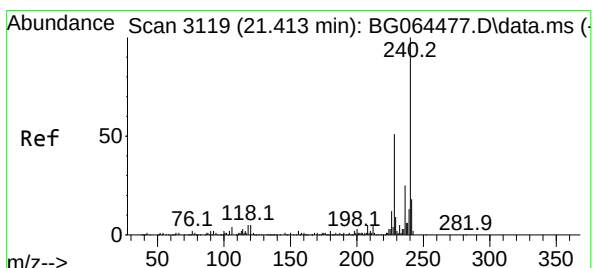
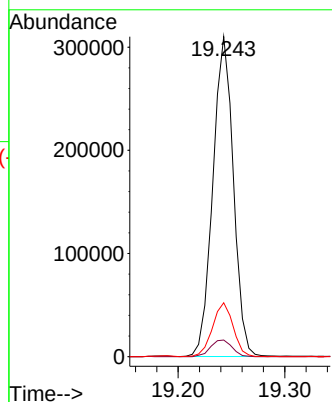
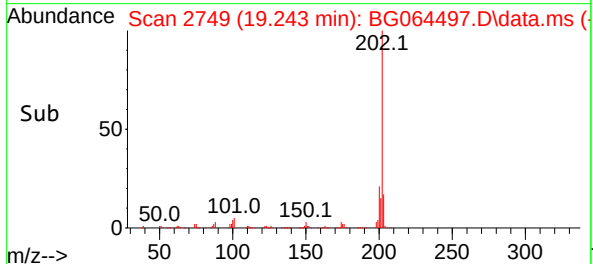
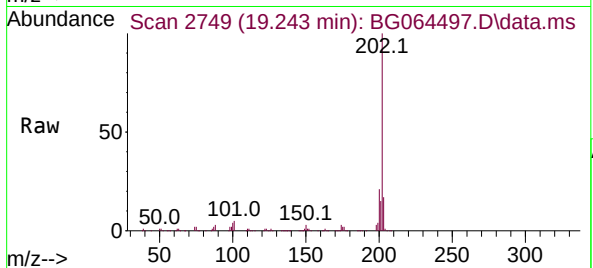




#75
Fluoranthene
Concen: 44.076 ng
RT: 19.243 min Scan# 2750
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

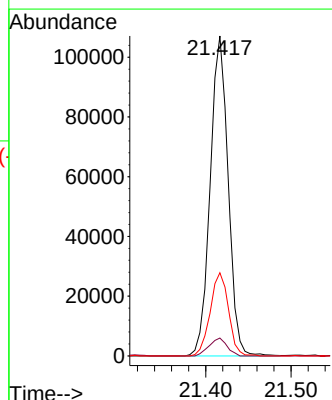
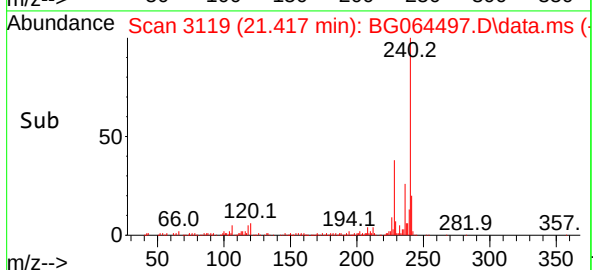
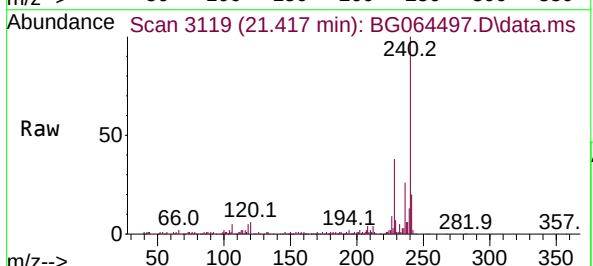
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

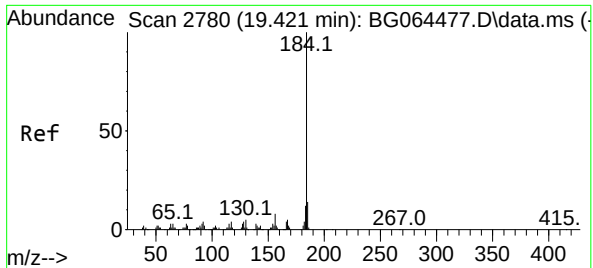
Tgt Ion:202 Resp: 415109
Ion Ratio Lower Upper
202 100
101 5.2 0.0 25.7
203 16.8 0.0 36.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.417 min Scan# 3119
Delta R.T. 0.007 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:240 Resp: 156602
Ion Ratio Lower Upper
240 100
120 5.6 4.3 6.5
236 26.0 20.4 30.6

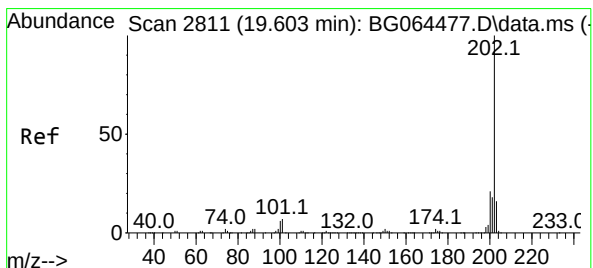
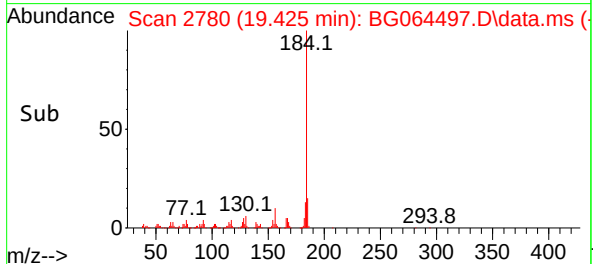
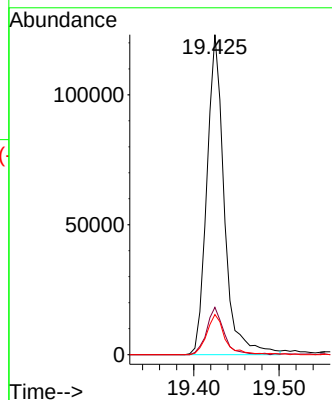
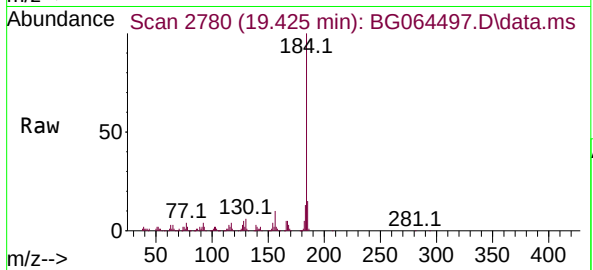




#77
Benzidine
Concen: 44.736 ng
RT: 19.425 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

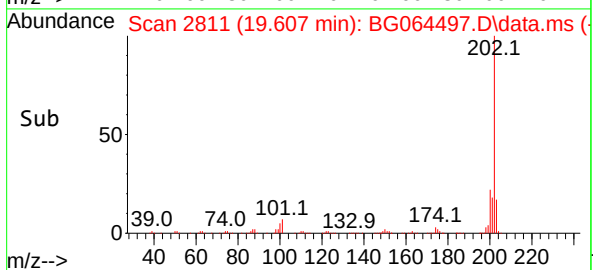
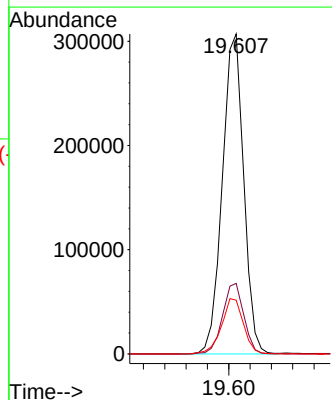
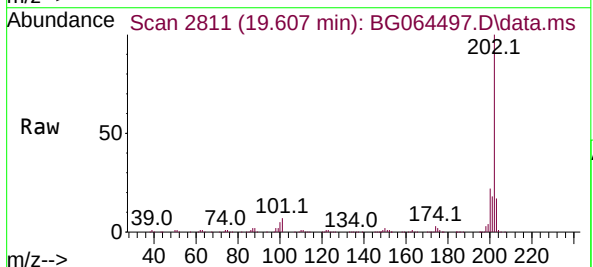
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

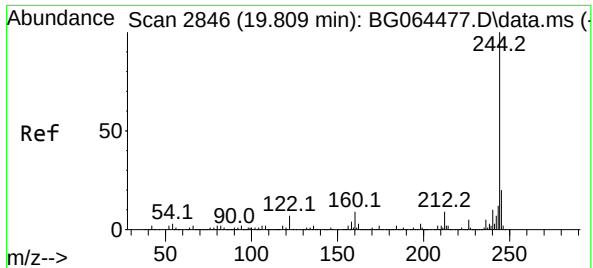
Tgt Ion:184 Resp: 174328
Ion Ratio Lower Upper
184 100
185 14.8 10.9 16.3
183 12.5 9.8 14.6



#78
Pyrene
Concen: 42.098 ng
RT: 19.607 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

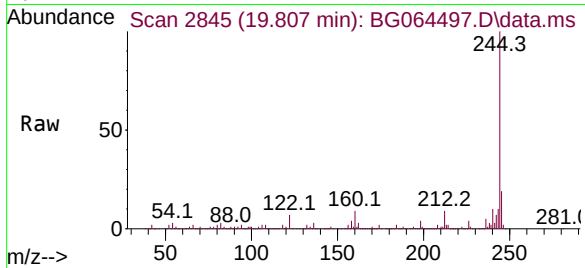
Tgt Ion:202 Resp: 427836
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.4
203 16.8 13.0 19.4



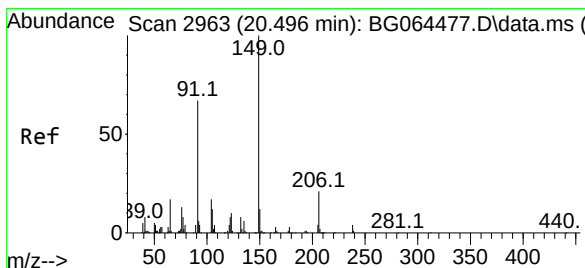
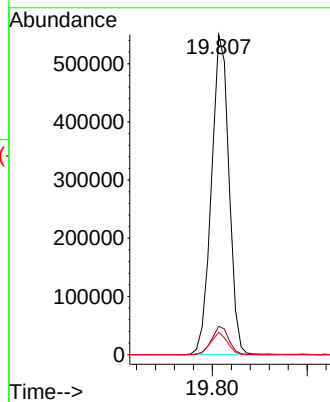
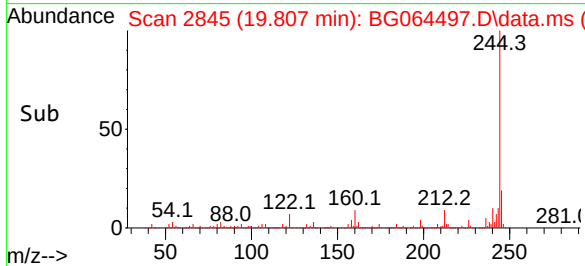


#79
 Terphenyl-d14
 Concen: 85.282 ng
 RT: 19.807 min Scan# 2846
 Delta R.T. 0.000 min
 Lab File: BG064497.D
 Acq: 14 Oct 2025 11:50

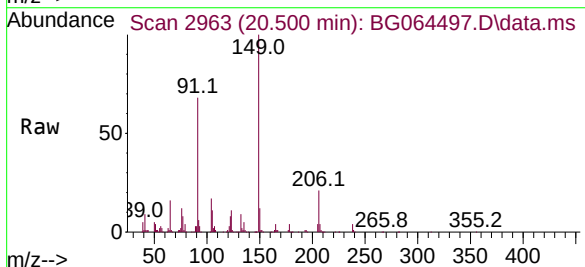
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040



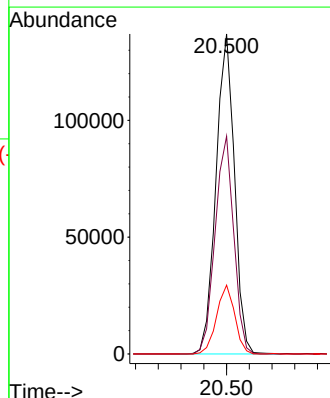
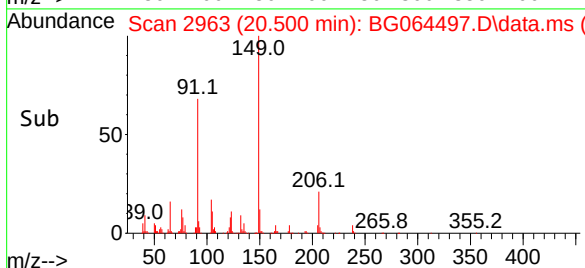
Tgt Ion:244 Resp: 705699
 Ion Ratio Lower Upper
 244 100
 212 8.8 7.0 10.6
 122 7.0 5.6 8.4

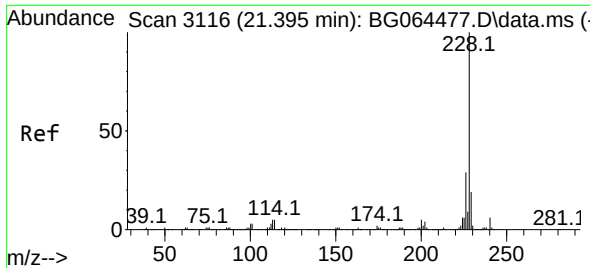


#80
 Butylbenzylphthalate
 Concen: 42.784 ng
 RT: 20.500 min Scan# 2963
 Delta R.T. 0.000 min
 Lab File: BG064497.D
 Acq: 14 Oct 2025 11:50



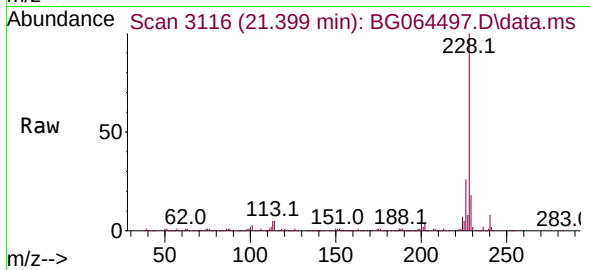
Tgt Ion:149 Resp: 154137
 Ion Ratio Lower Upper
 149 100
 91 68.0 53.7 80.5
 206 21.5 16.6 24.8



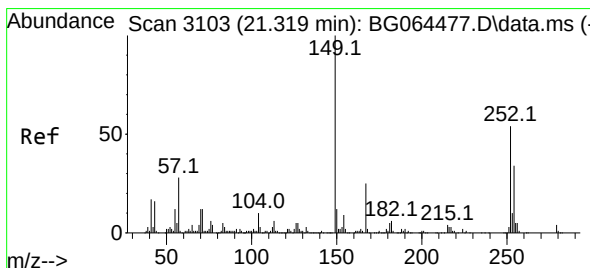
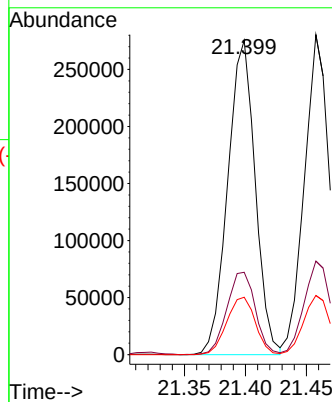
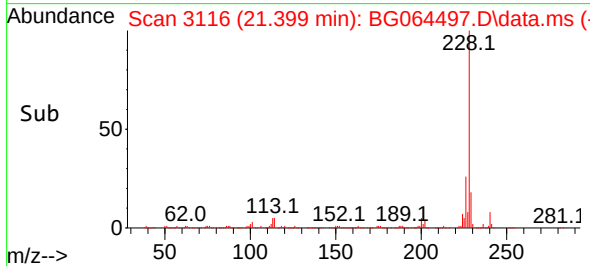


#81
Benzo(a)anthracene
Concen: 43.143 ng
RT: 21.399 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

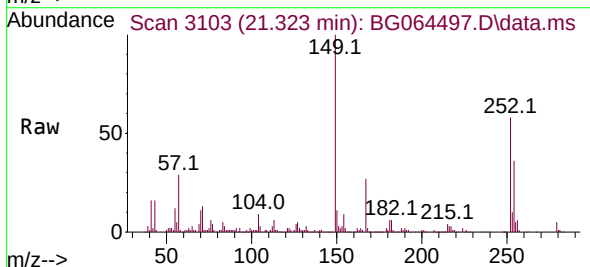
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040



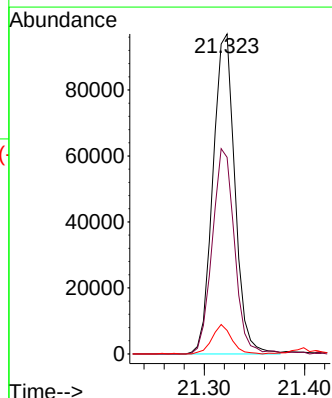
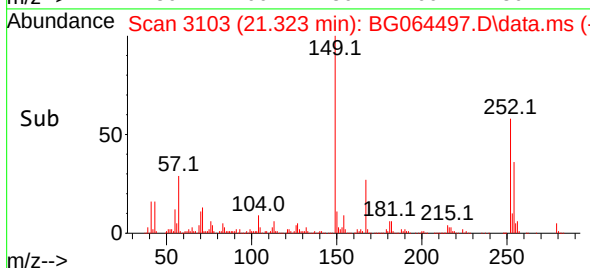
Tgt Ion:228 Resp: 431395
Ion Ratio Lower Upper
228 100
226 26.2 22.8 34.2
229 18.2 15.2 22.8

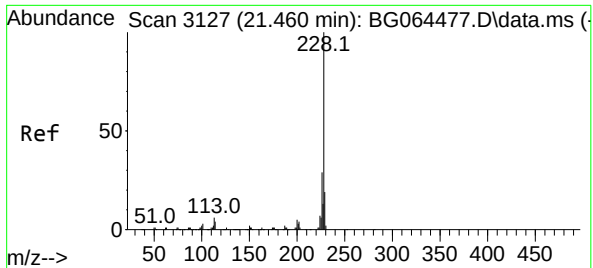


#82
3,3'-Dichlorobenzidine
Concen: 43.586 ng
RT: 21.323 min Scan# 3103
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50



Tgt Ion:252 Resp: 147507
Ion Ratio Lower Upper
252 100
254 61.4 50.5 75.7
126 7.3 7.1 10.7

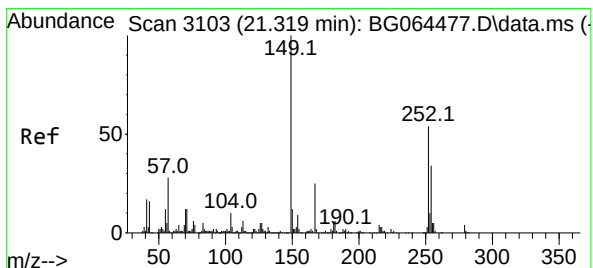
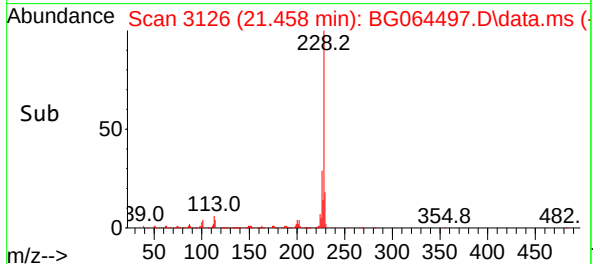
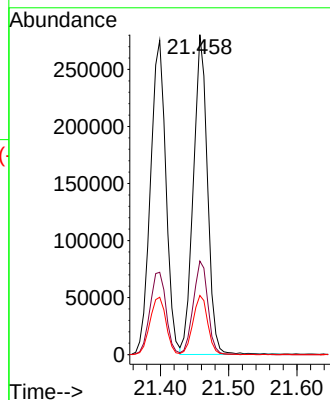
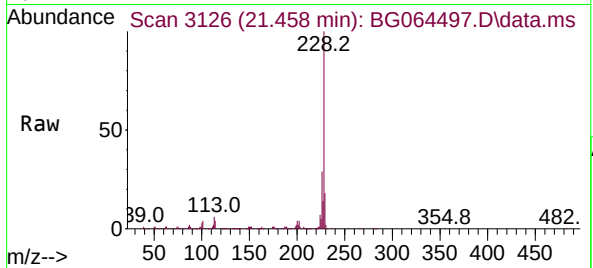




#83
Chrysene
Concen: 42.464 ng
RT: 21.458 min Scan# 3127
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

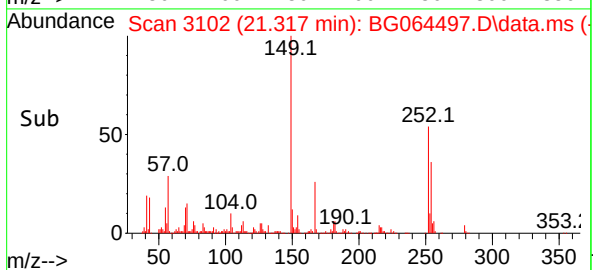
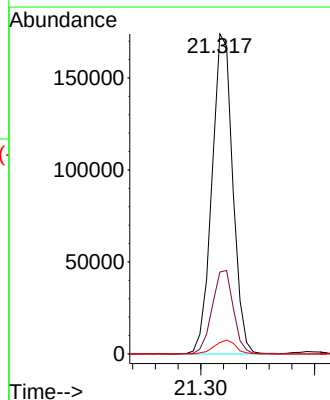
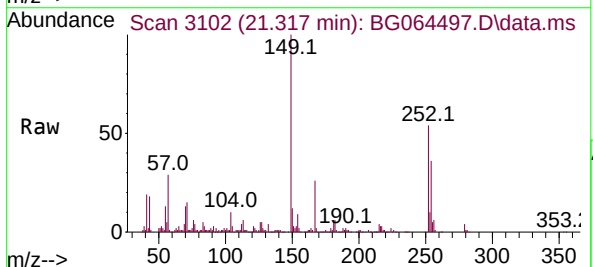
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

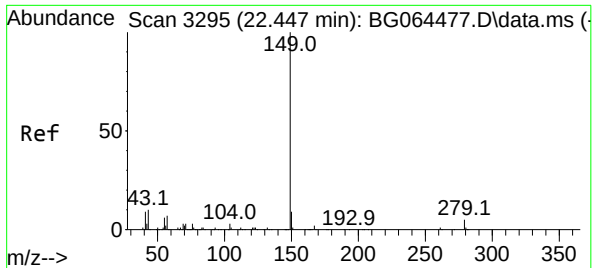
Tgt Ion:228 Resp: 402678
Ion Ratio Lower Upper
228 100
226 29.2 22.8 34.2
229 18.5 15.4 23.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 43.513 ng
RT: 21.317 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:149 Resp: 221186
Ion Ratio Lower Upper
149 100
167 25.6 19.7 29.5
279 3.5 3.4 5.2

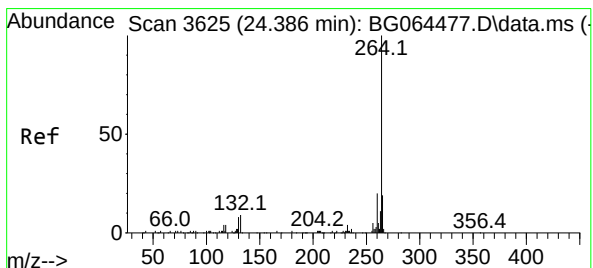
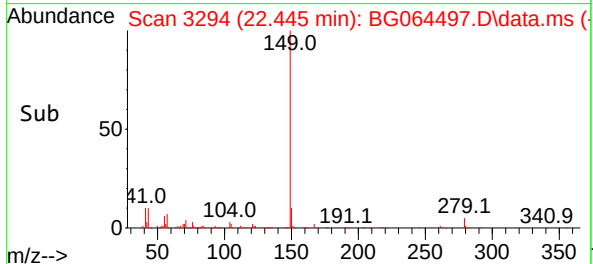
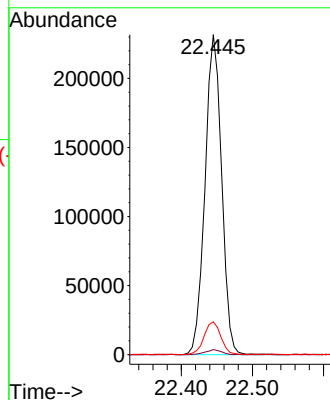
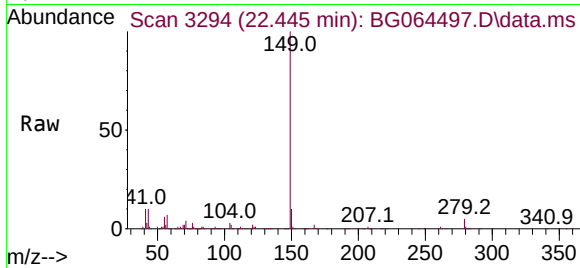




#85
Di-n-octyl phthalate
Concen: 43.746 ng
RT: 22.445 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

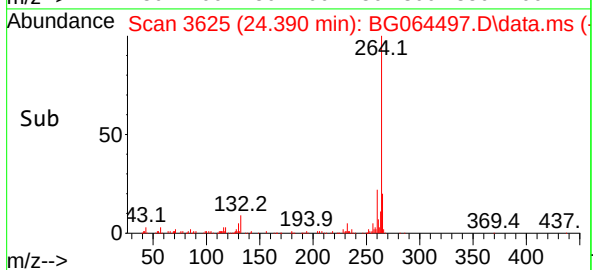
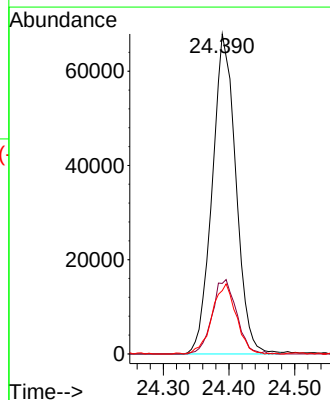
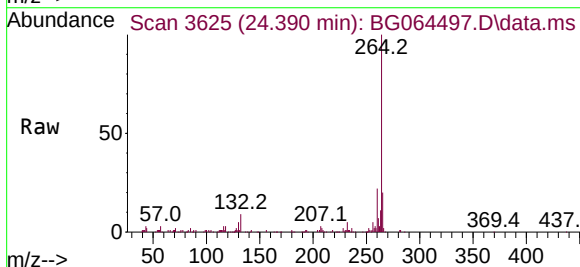
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

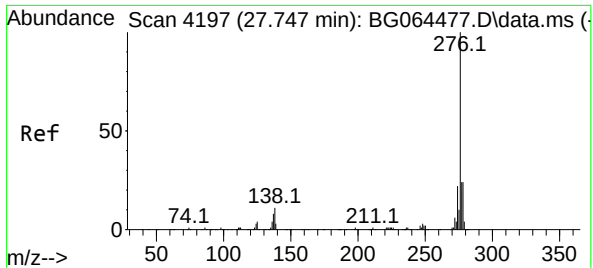
Tgt Ion:149 Resp: 373730
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 10.4 7.9 11.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.390 min Scan# 3625
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:264 Resp: 170308
Ion Ratio Lower Upper
264 100
260 22.0 16.2 24.4
265 19.8 15.0 22.4

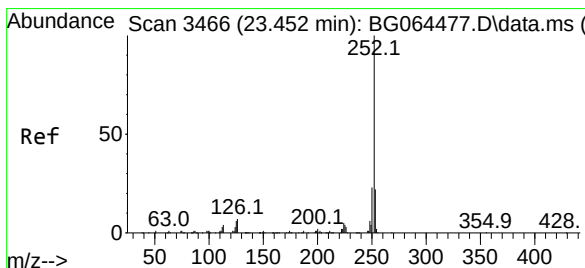
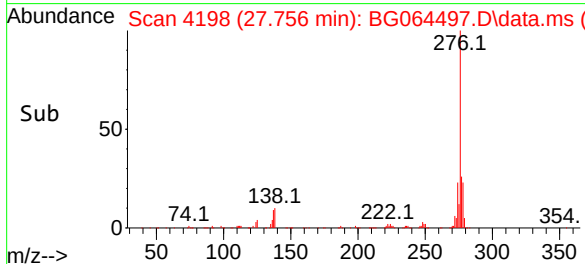
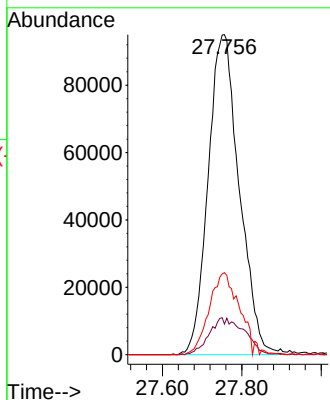
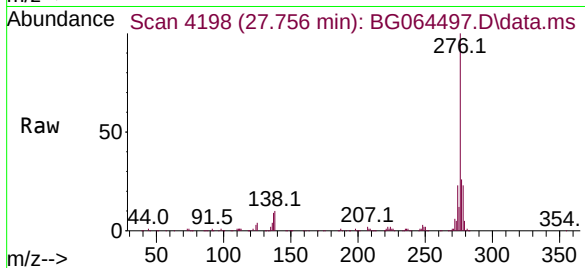




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 43.595 ng
 RT: 27.756 min Scan# 4198
 Delta R.T. 0.024 min
 Lab File: BG064497.D
 Acq: 14 Oct 2025 11:50

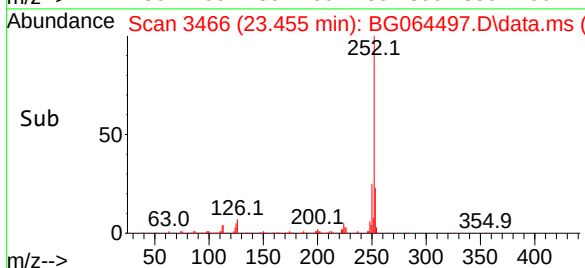
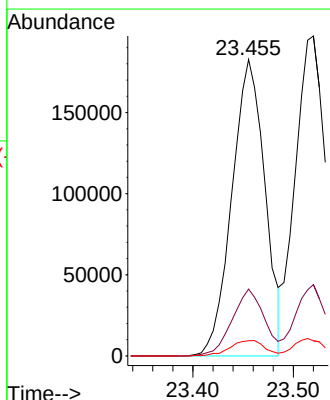
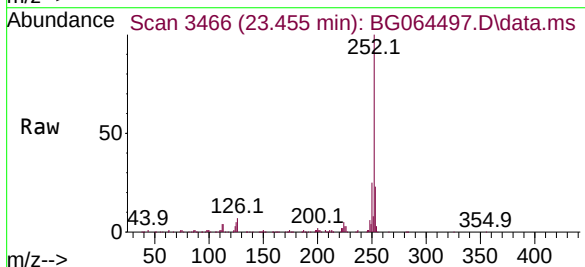
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

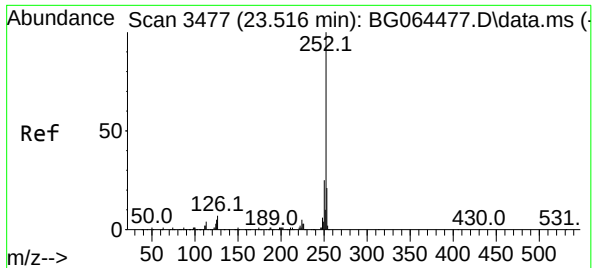
Tgt Ion:276 Resp: 516801
 Ion Ratio Lower Upper
 276 100
 138 12.8 10.8 16.2
 277 25.0 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 43.038 ng
 RT: 23.455 min Scan# 3466
 Delta R.T. 0.006 min
 Lab File: BG064497.D
 Acq: 14 Oct 2025 11:50

Tgt Ion:252 Resp: 416989
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.5 26.3
 125 5.1 4.5 6.7





#89

Benzo(k)fluoranthene

Concen: 43.413 ng

RT: 23.520 min Scan# 34

Delta R.T. 0.012 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

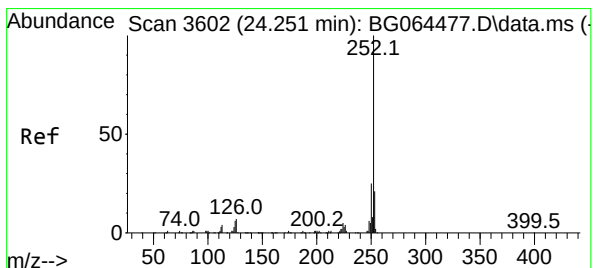
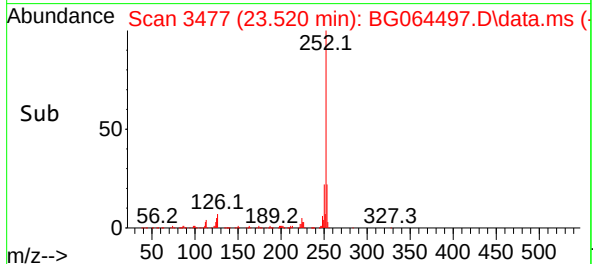
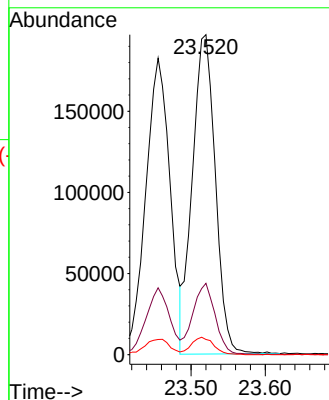
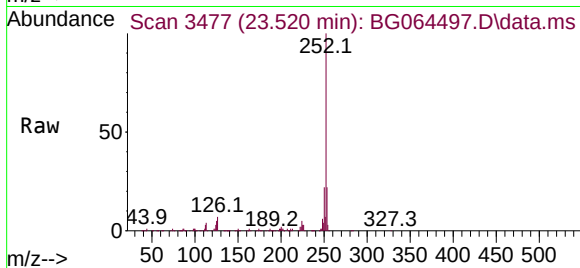
Tgt Ion:252 Resp: 423632

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 4.7 4.0 6.0



#90

Benzo(a)pyrene

Concen: 43.400 ng

RT: 24.260 min Scan# 3603

Delta R.T. 0.012 min

Lab File: BG064497.D

Acq: 14 Oct 2025 11:50

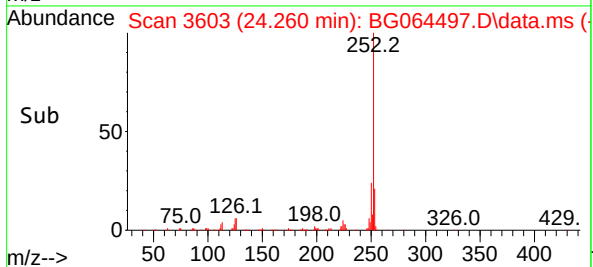
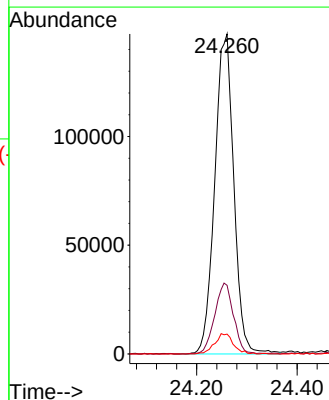
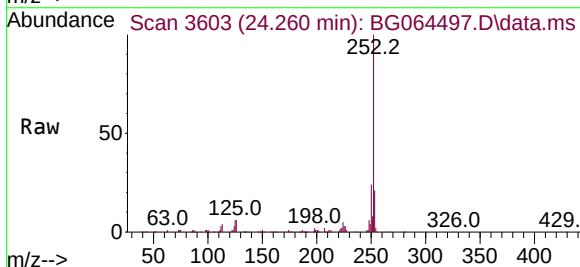
Tgt Ion:252 Resp: 387546

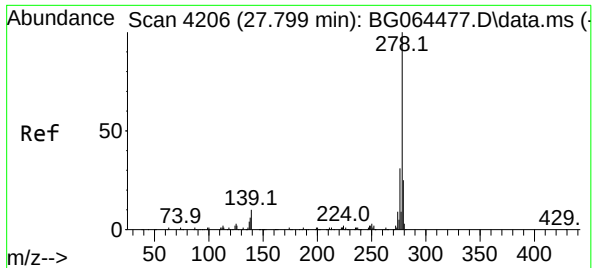
Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 6.2 4.6 6.8

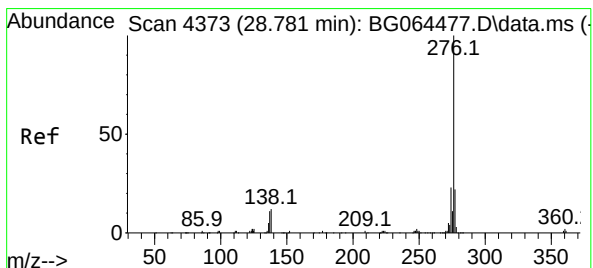
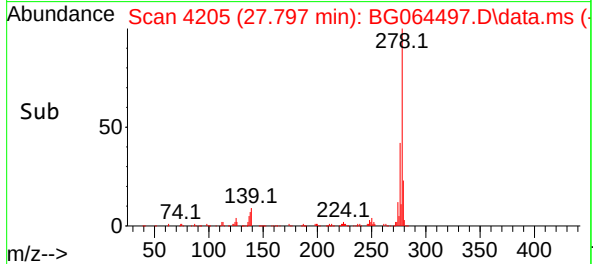
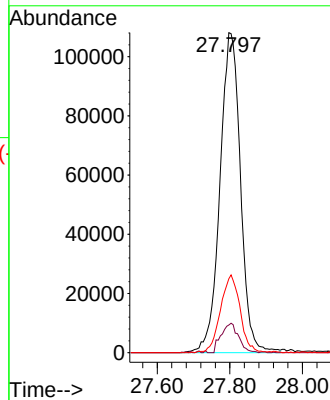
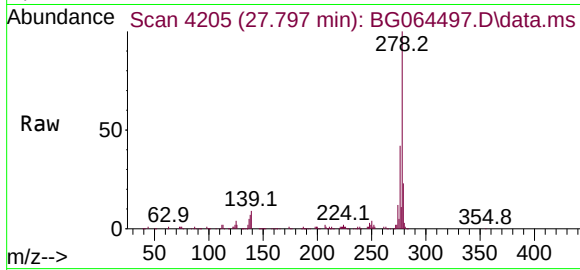




#91
Dibenzo(a,h)anthracene
Concen: 44.741 ng
RT: 27.797 min Scan# 41
Delta R.T. 0.018 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

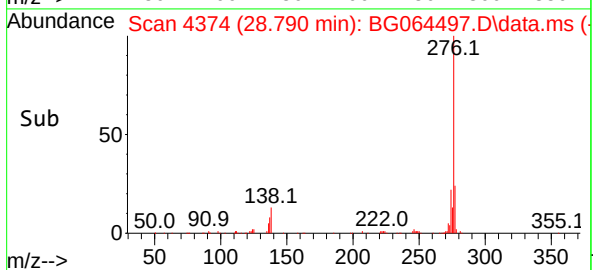
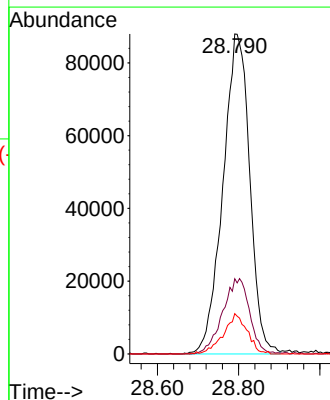
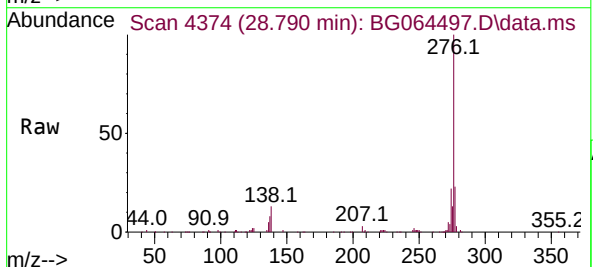
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 424151
Ion Ratio Lower Upper
278 100
139 8.6 8.2 12.2
279 23.1 19.6 29.4



#92
Benzo(g,h,i)perylene
Concen: 43.678 ng
RT: 28.790 min Scan# 4374
Delta R.T. 0.024 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:276 Resp: 402393
Ion Ratio Lower Upper
276 100
277 23.5 17.8 26.6
138 12.6 9.4 14.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
 Data File : BG064497.D
 Acq On : 14 Oct 2025 11:50
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 14 12:27:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 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	111	0.00
2	1,4-Dioxane	40.000	37.555	6.1	102	0.00
3	Pyridine	40.000	40.992	-2.5	106	0.00
4	n-Nitrosodimethylamine	40.000	42.785	-7.0	115	0.00
5 S	2-Fluorophenol	80.000	83.793	-4.7	105	0.00
6	Aniline	40.000	41.362	-3.4	104	0.00
7 S	Phenol-d6	80.000	83.082	-3.9	103	0.00
8	2-Chlorophenol	40.000	41.997	-5.0	107	0.00
9	Benzaldehyde	40.000	40.040	-0.1	94	0.00
10 C	Phenol	40.000	42.860	-7.1	109	0.00
11	bis(2-Chloroethyl)ether	40.000	41.049	-2.6	105	0.00
12	1,3-Dichlorobenzene	40.000	40.811	-2.0	104	0.00
13 C	1,4-Dichlorobenzene	40.000	41.965	-4.9	108	0.00
14	1,2-Dichlorobenzene	40.000	40.509	-1.3	106	0.00
15	Benzyl Alcohol	40.000	42.742	-6.9	110	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.399	-1.0	104	0.00
17	2-Methylphenol	40.000	42.768	-6.9	109	0.00
18	Hexachloroethane	40.000	40.648	-1.6	108	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.761	-4.4	103	0.01
20	3+4-Methylphenols	40.000	43.000	-7.5	109	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	108	0.00
22	Acetophenone	40.000	42.261	-5.7	107	0.00
23 S	Nitrobenzene-d5	80.000	85.113	-6.4	108	0.00
24	Nitrobenzene	40.000	43.450	-8.6	110	0.00
25	Isophorone	40.000	41.602	-4.0	105	0.01
26 C	2-Nitrophenol	40.000	41.738	-4.3	108	0.00
27	2,4-Dimethylphenol	40.000	42.637	-6.6	108	0.00
28	bis(2-Chloroethoxy)methane	40.000	41.065	-2.7	101	0.00
29 C	2,4-Dichlorophenol	40.000	42.459	-6.1	109	0.00
30	1,2,4-Trichlorobenzene	40.000	41.783	-4.5	106	0.00
31	Naphthalene	40.000	42.998	-7.5	108	0.00
32	Benzoic acid	40.000	47.298	-18.2	120	0.05
33	4-Chloroaniline	40.000	42.662	-6.7	109	0.00
34 C	Hexachlorobutadiene	40.000	41.526	-3.8	108	0.00
35	Caprolactam	40.000	44.240	-10.6	116	0.04
36 C	4-Chloro-3-methylphenol	40.000	42.822	-7.1	109	0.00
37	2-Methylnaphthalene	40.000	41.637	-4.1	105	0.00
38	1-Methylnaphthalene	40.000	40.754	-1.9	105	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	105	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	43.069	-7.7	103	0.00
41 P	Hexachlorocyclopentadiene	40.000	46.753	-16.9	114	0.00
42 S	2,4,6-Tribromophenol	80.000	86.438	-8.0	108	0.00
43 C	2,4,6-Trichlorophenol	40.000	43.864	-9.7	106	0.00
44	2,4,5-Trichlorophenol	40.000	43.692	-9.2	108	0.00
45 S	2-Fluorobiphenyl	80.000	85.220	-6.5	105	0.00
46	1,1'-Biphenyl	40.000	42.720	-6.8	106	0.00
47	2-Chloronaphthalene	40.000	43.189	-8.0	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
 Data File : BG064497.D
 Acq On : 14 Oct 2025 11:50
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 14 12:27:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 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	45.105	-12.8	109	0.00
49	Acenaphthylene	40.000	43.330	-8.3	106	0.00
50	Dimethylphthalate	40.000	43.309	-8.3	109	0.00
51	2,6-Dinitrotoluene	40.000	44.782	-12.0	113	0.00
52 C	Acenaphthene	40.000	43.017	-7.5	107	0.00
53	3-Nitroaniline	40.000	45.643	-14.1	112	0.00
54 P	2,4-Dinitrophenol	40.000	41.640	-4.1	124	0.00
55	Dibenzofuran	40.000	44.036	-10.1	110	0.00
56 P	4-Nitrophenol	40.000	46.731	-16.8	111	0.00
57	2,4-Dinitrotoluene	40.000	44.495	-11.2	110	0.00
58	Fluorene	40.000	43.334	-8.3	108	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	44.261	-10.7	108	0.00
60	Diethylphthalate	40.000	43.791	-9.5	111	0.00
61	4-Chlorophenyl-phenylether	40.000	42.356	-5.9	106	0.00
62	4-Nitroaniline	40.000	48.504	-21.3	119	0.01
63	Azobenzene	40.000	42.644	-6.6	108	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	110	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.710	-9.3	115	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.829	-2.1	105	0.00
67	4-Bromophenyl-phenylether	40.000	41.309	-3.3	105	0.00
68	Hexachlorobenzene	40.000	42.298	-5.7	109	0.00
69	Atrazine	40.000	42.602	-6.5	111	0.00
70 C	Pentachlorophenol	40.000	46.520	-16.3	119	0.00
71	Phenanthrene	40.000	42.284	-5.7	109	0.00
72	Anthracene	40.000	43.062	-7.7	110	0.00
73	Carbazole	40.000	43.345	-8.4	110	0.00
74	Di-n-butylphthalate	40.000	44.258	-10.6	113	0.00
75 C	Fluoranthene	40.000	44.076	-10.2	114	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	114	0.00
77	Benzydine	40.000	44.736	-11.8	97	0.00
78	Pyrene	40.000	42.098	-5.2	112	0.00
79 S	Terphenyl-d14	80.000	85.282	-6.6	114	0.00
80	Butylbenzylphthalate	40.000	42.784	-7.0	113	0.00
81	Benzo(a)anthracene	40.000	43.143	-7.9	116	0.00
82	3,3'-Dichlorobenzidine	40.000	43.586	-9.0	117	0.00
83	Chrysene	40.000	42.464	-6.2	113	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.513	-8.8	116	0.00
85 c	Di-n-octyl phthalate	40.000	43.746	-9.4	118	0.00
86 I	Perylene-d12	20.000	20.000	0.0	116	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	43.595	-9.0	118	0.02
88	Benzo(b)fluoranthene	40.000	43.038	-7.6	117	0.00
89	Benzo(k)fluoranthene	40.000	43.413	-8.5	117	0.01
90 C	Benzo(a)pyrene	40.000	43.400	-8.5	117	0.01
91	Dibenzo(a,h)anthracene	40.000	44.741	-11.9	121	0.02
92	Benzo(g,h,i)perylene	40.000	43.678	-9.2	119	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
Data File : BG064497.D
Acq On : 14 Oct 2025 11:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 12:27:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 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\BG101425\
 Data File : BG064497.D
 Acq On : 14 Oct 2025 11:50
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 14 12:27:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 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	111	0.00
2	1,4-Dioxane	0.427	0.401	6.1	102	0.00
3	Pyridine	1.149	1.177	-2.4	106	0.00
4	n-Nitrosodimethylamine	0.833	0.891	-7.0	115	0.00
5 S	2-Fluorophenol	1.081	1.132	-4.7	105	0.00
6	Aniline	1.832	1.894	-3.4	104	0.00
7 S	Phenol-d6	1.452	1.508	-3.9	103	0.00
8	2-Chlorophenol	1.327	1.393	-5.0	107	0.00
9	Benzaldehyde	1.289	1.290	-0.1	94	0.00
10 C	Phenol	1.532	1.642	-7.2	109	0.00
11	bis(2-Chloroethyl)ether	1.038	1.065	-2.6	105	0.00
12	1,3-Dichlorobenzene	1.452	1.481	-2.0	104	0.00
13 C	1,4-Dichlorobenzene	1.457	1.529	-4.9	108	0.00
14	1,2-Dichlorobenzene	1.436	1.454	-1.3	106	0.00
15	Benzyl Alcohol	1.337	1.429	-6.9	110	0.00
16	2,2'-oxybis(1-Chloropropane	1.672	1.689	-1.0	104	0.00
17	2-Methylphenol	1.109	1.186	-6.9	109	0.00
18	Hexachloroethane	0.575	0.584	-1.6	108	0.00
19 P	n-Nitroso-di-n-propylamine	0.971	1.014	-4.4	103	0.01
20	3+4-Methylphenols	1.548	1.664	-7.5	109	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	108	0.00
22	Acetophenone	0.484	0.512	-5.8	107	0.00
23 S	Nitrobenzene-d5	0.372	0.396	-6.5	108	0.00
24	Nitrobenzene	0.371	0.403	-8.6	110	0.00
25	Isophorone	0.674	0.701	-4.0	105	0.01
26 C	2-Nitrophenol	0.185	0.193	-4.3	108	0.00
27	2,4-Dimethylphenol	0.282	0.301	-6.7	108	0.00
28	bis(2-Chloroethoxy)methane	0.343	0.353	-2.9	101	0.00
29 C	2,4-Dichlorophenol	0.326	0.346	-6.1	109	0.00
30	1,2,4-Trichlorobenzene	0.356	0.371	-4.2	106	0.00
31	Naphthalene	1.030	1.107	-7.5	108	0.00
32	Benzoic acid	0.216	0.256	-18.5	120	0.05
33	4-Chloroaniline	0.395	0.422	-6.8	109	0.00
34 C	Hexachlorobutadiene	0.304	0.316	-3.9	108	0.00
35	Caprolactam	0.112	0.123	-9.8	116	0.04
36 C	4-Chloro-3-methylphenol	0.397	0.424	-6.8	109	0.00
37	2-Methylnaphthalene	0.791	0.823	-4.0	105	0.00
38	1-Methylnaphthalene	0.788	0.803	-1.9	105	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00
40	1,2,4,5-Tetrachlorobenzene	0.646	0.695	-7.6	103	0.00
41 P	Hexachlorocyclopentadiene	0.338	0.395	-16.9	114	0.00
42 S	2,4,6-Tribromophenol	0.363	0.392	-8.0	108	0.00
43 C	2,4,6-Trichlorophenol	0.413	0.453	-9.7	106	0.00
44	2,4,5-Trichlorophenol	0.461	0.503	-9.1	108	0.00
45 S	2-Fluorobiphenyl	1.357	1.445	-6.5	105	0.00
46	1,1'-Biphenyl	1.438	1.536	-6.8	106	0.00
47	2-Chloronaphthalene	1.074	1.160	-8.0	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
 Data File : BG064497.D
 Acq On : 14 Oct 2025 11:50
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 14 12:27:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 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	0.367	0.413	-12.5	109	0.00
49	Acenaphthylene	1.594	1.727	-8.3	106	0.00
50	Dimethylphthalate	1.566	1.696	-8.3	109	0.00
51	2,6-Dinitrotoluene	0.326	0.365	-12.0	113	0.00
52 C	Acenaphthene	1.108	1.191	-7.5	107	0.00
53	3-Nitroaniline	0.301	0.343	-14.0	112	0.00
54 P	2,4-Dinitrophenol	0.237	0.246	-3.8	124	0.00
55	Dibenzofuran	1.829	2.013	-10.1	110	0.00
56 P	4-Nitrophenol	0.237	0.277	-16.9	111	0.00
57	2,4-Dinitrotoluene	0.499	0.555	-11.2	110	0.00
58	Fluorene	1.520	1.647	-8.4	108	0.00
59	2,3,4,6-Tetrachlorophenol	0.470	0.520	-10.6	108	0.00
60	Diethylphthalate	1.680	1.840	-9.5	111	0.00
61	4-Chlorophenyl-phenylether	0.830	0.879	-5.9	106	0.00
62	4-Nitroaniline	0.314	0.380	-21.0	119	0.01
63	Azobenzene	1.301	1.387	-6.6	108	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	110	0.00
65	4,6-Dinitro-2-methylphenol	0.139	0.152	-9.4	115	0.00
66 c	n-Nitrosodiphenylamine	0.534	0.545	-2.1	105	0.00
67	4-Bromophenyl-phenylether	0.235	0.243	-3.4	105	0.00
68	Hexachlorobenzene	0.269	0.285	-5.9	109	0.00
69	Atrazine	0.238	0.253	-6.3	111	0.00
70 C	Pentachlorophenol	0.157	0.183	-16.6	119	0.00
71	Phenanthrene	1.046	1.106	-5.7	109	0.00
72	Anthracene	1.049	1.130	-7.7	110	0.00
73	Carbazole	0.907	0.983	-8.4	110	0.00
74	Di-n-butylphthalate	1.107	1.225	-10.7	113	0.00
75 C	Fluoranthene	1.250	1.377	-10.2	114	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	114	0.00
77	Benzidine	0.498	0.557	-11.8	97	0.00
78	Pyrene	1.298	1.366	-5.2	112	0.00
79 S	Terphenyl-d14	1.057	1.127	-6.6	114	0.00
80	Butylbenzylphthalate	0.460	0.492	-7.0	113	0.00
81	Benzo(a)anthracene	1.277	1.377	-7.8	116	0.00
82	3,3'-Dichlorobenzidine	0.432	0.471	-9.0	117	0.00
83	Chrysene	1.211	1.286	-6.2	113	0.00
84	Bis(2-ethylhexyl)phthalate	0.649	0.706	-8.8	116	0.00
85 c	Di-n-octyl phthalate	1.091	1.193	-9.3	118	0.00
86 I	Perylene-d12	1.000	1.000	0.0	116	0.00
87	Indeno(1,2,3-cd)pyrene	1.392	1.517	-9.0	118	0.02
88	Benzo(b)fluoranthene	1.138	1.224	-7.6	117	0.00
89	Benzo(k)fluoranthene	1.146	1.244	-8.6	117	0.01
90 C	Benzo(a)pyrene	1.049	1.138	-8.5	117	0.01
91	Dibenzo(a,h)anthracene	1.113	1.245	-11.9	121	0.02
92	Benzo(g,h,i)perylene	1.082	1.181	-9.1	119	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
Data File : BG064497.D
Acq On : 14 Oct 2025 11:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 12:27:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 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



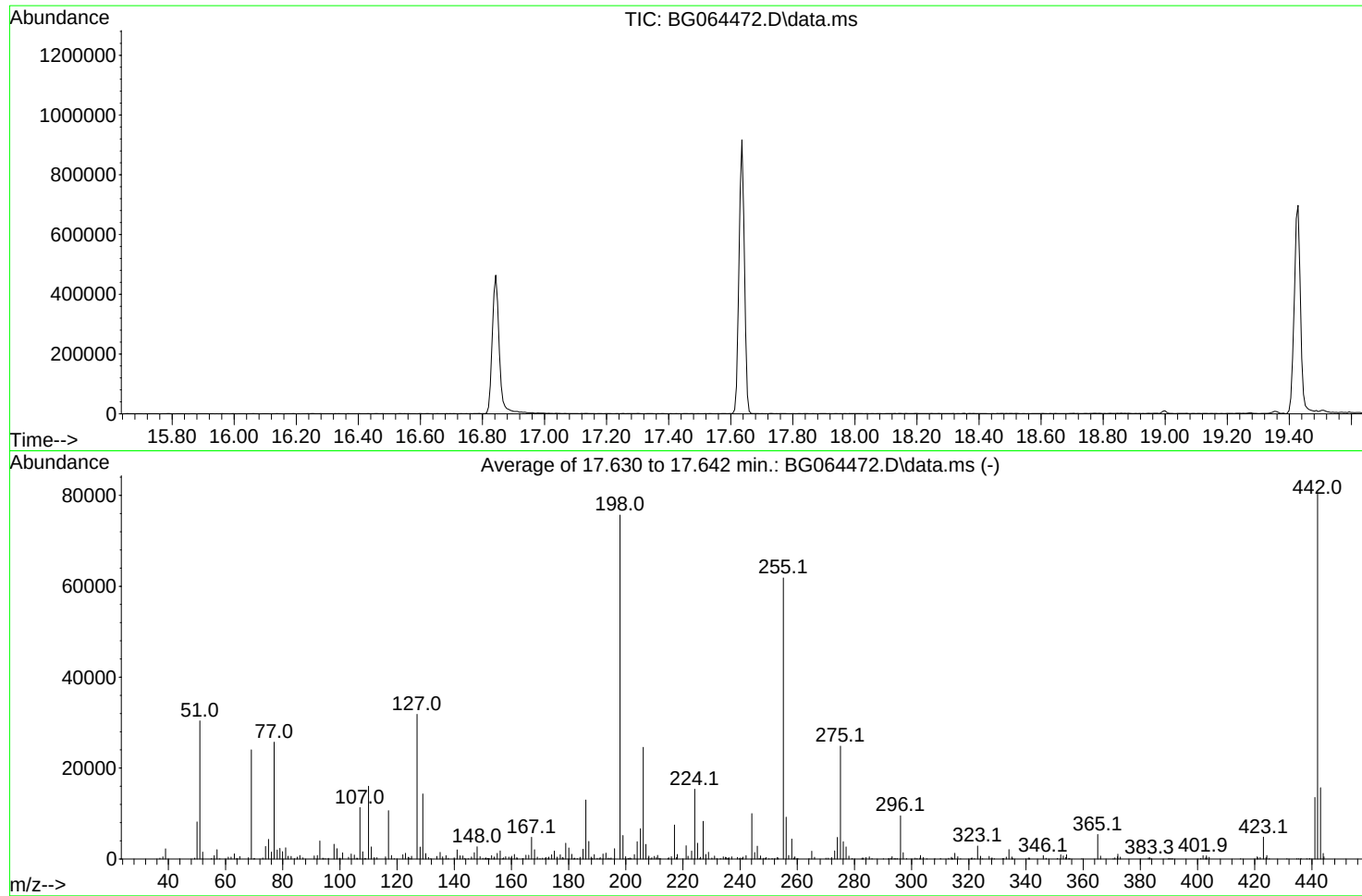
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064472.D
Acq On : 2 Oct 2025 8:21
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-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 02 16:40:42 2025



AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2468

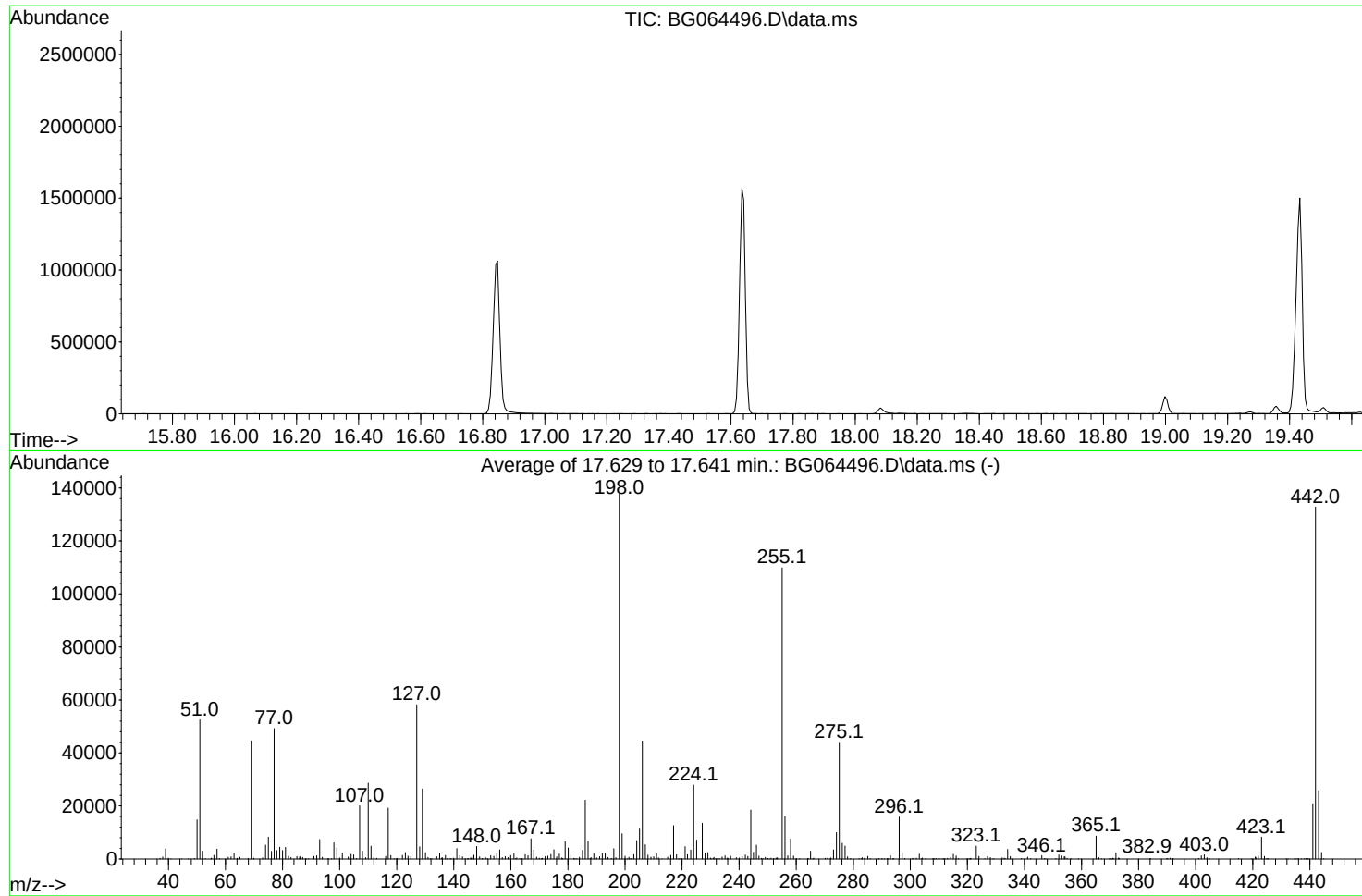
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.1	271	PASS
69	69	100	100	100.0	24008	PASS
70	69	0.00	2	0.4	100	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	75675	PASS
199	198	5	9	6.8	5168	PASS
365	198	1	100	7.1	5406	PASS
441	443	0.01	150	86.2	13521	PASS
442	442	100	100	100.0	80341	PASS
443	442	15	24	19.5	15684	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
Data File : BG064496.D
Acq On : 14 Oct 2025 10:55
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-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 02 16:40:42 2025



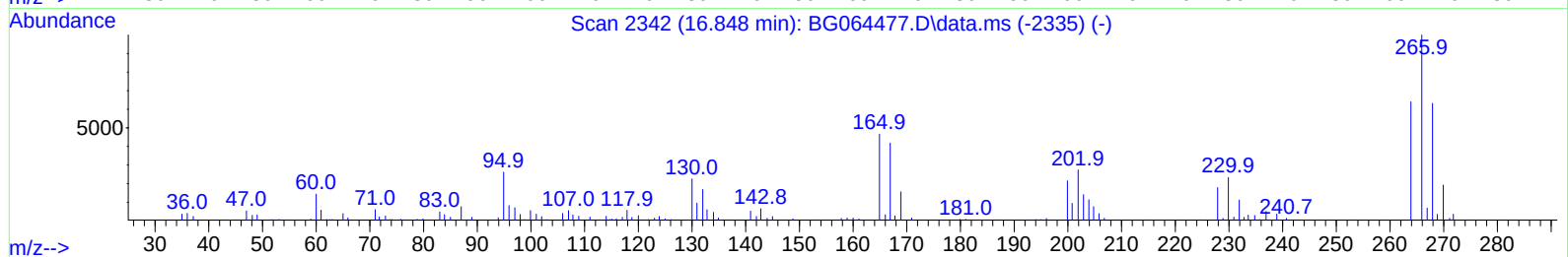
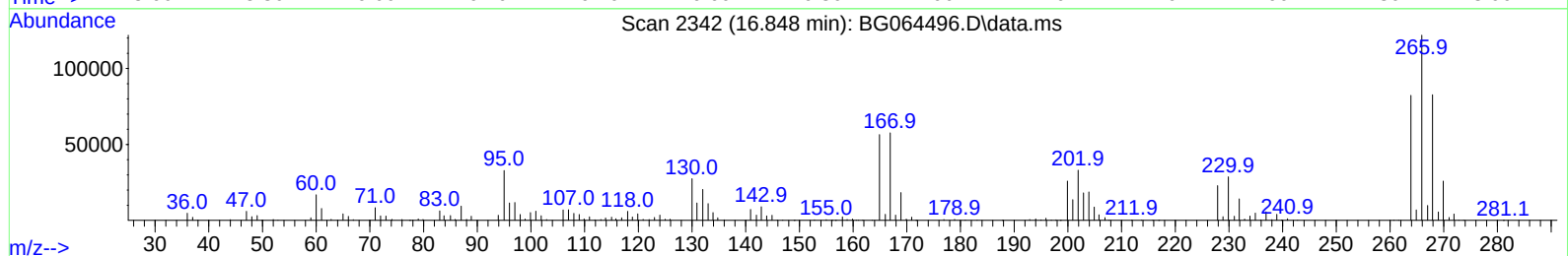
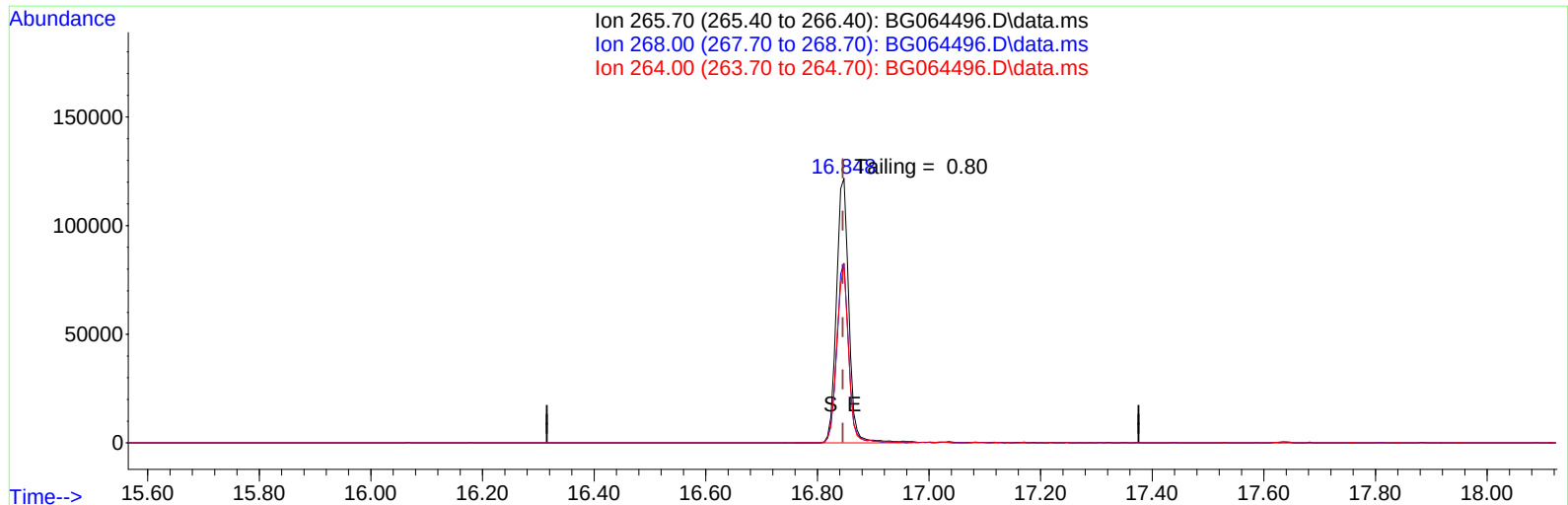
AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2468

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.6	261	PASS
69	69	100	100	100.0	44592	PASS
70	69	0.00	2	0.7	302	PASS
197	198	0.00	2	0.3	457	PASS
198	198	100	100	100.0	137768	PASS
199	198	5	9	6.9	9513	PASS
365	198	1	100	6.3	8633	PASS
441	443	0.01	150	80.8	20877	PASS
442	442	100	100	100.0	132784	PASS
443	442	15	24	19.4	25823	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
Data File : BG064496.D
Acq On : 14 Oct 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 14 11:46:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



TIC: BG064496.D\data.ms

(70) Pentachlorophenol (C)

16.848min (+ 0.002) 22066.93 ng

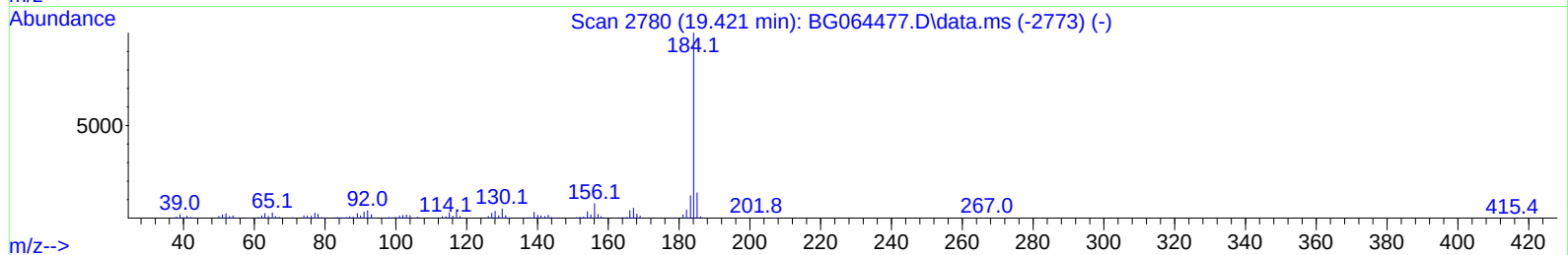
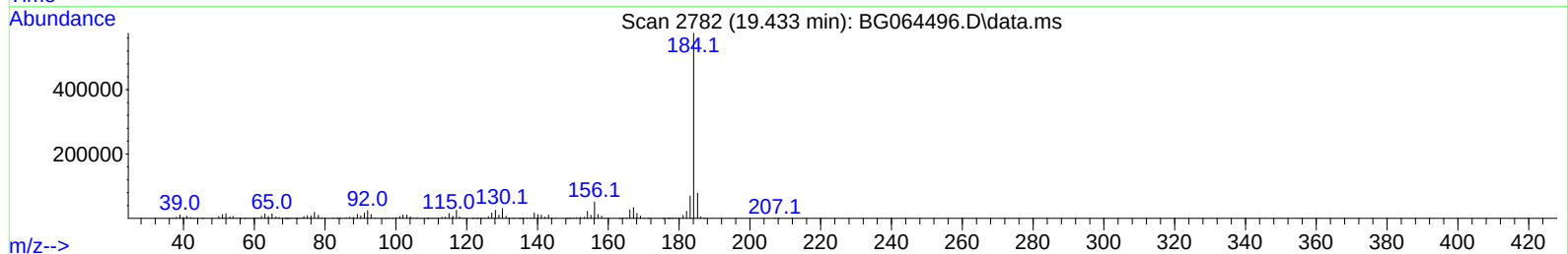
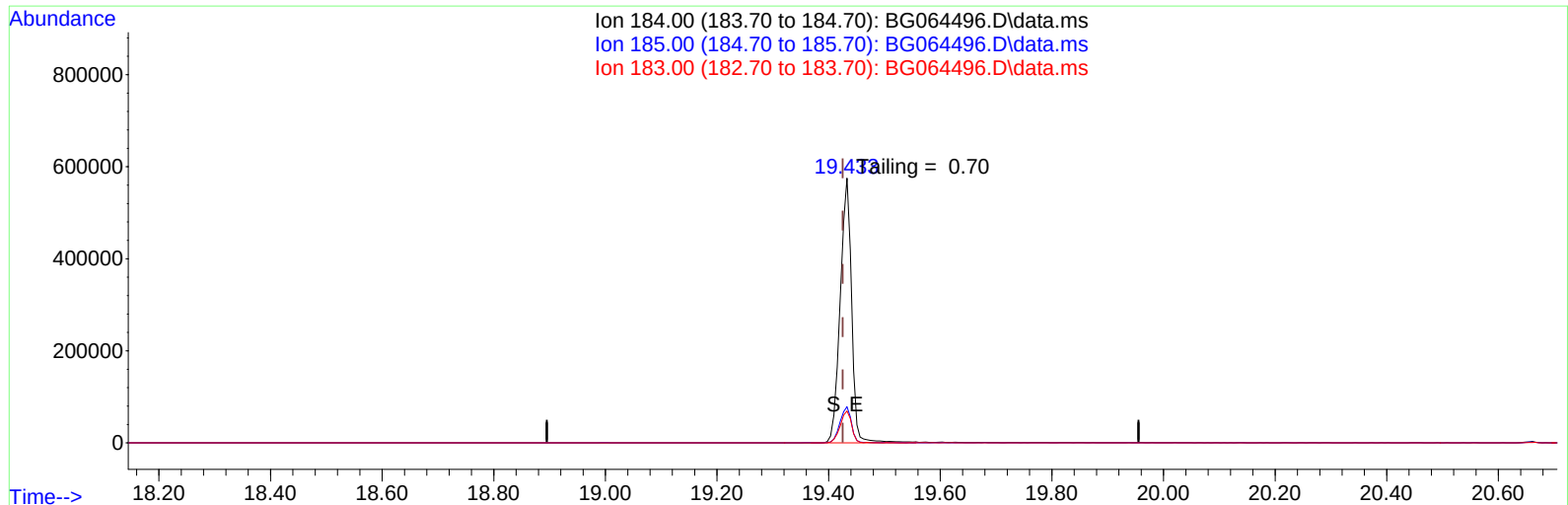
response 187984

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.20	67.84
264.00	64.00	67.54
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
Data File : BG064496.D
Acq On : 14 Oct 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 14 11:46:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



TIC: BG064496.D\data.ms

(77) Benzidine

19.433min (+ 0.008) 0.00 ng

response 816435

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.60	13.68
183.00	12.20	12.07
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/14/2025	BNA_G	<u>BG064496.D</u>
Compound Name	Response	Retention Time
DDT	574696	20.661
DDD	4604	20.22
DDE	55	19.803
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
4659	579355	0.80

Instrument :
BNA_G
ClientSampleId :
DFTPP

Report of Analysis

Client: Weston Solutions, Inc.

Project: RFP 918

Client Sample ID: PB170080BL

Lab Sample ID: PB170080BL

Analytical Method: 8270E

Level : LOW

Sample Wt/Vol: 1000 mL

Final Vol: 1000 uL

Prep Method :

Prep Date: 10/13/25

Date Collected:

Date Received:

SDG No.: Q3321

Matrix: TCLP

% Solid: 0

Test: TCLP BNA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	1.30	U	1	1.30	5.00	ug/L	10/14/25 12:31	PB170080
106-46-7	1,4-Dichlorobenzene	0.53	U	1	0.53	5.00	ug/L	10/14/25 12:31	PB170080
95-48-7	2-Methylphenol	1.10	U	1	1.10	5.00	ug/L	10/14/25 12:31	PB170080
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.0	ug/L	10/14/25 12:31	PB170080
67-72-1	Hexachloroethane	0.65	U	1	0.65	5.00	ug/L	10/14/25 12:31	PB170080
98-95-3	Nitrobenzene	0.76	U	1	0.76	5.00	ug/L	10/14/25 12:31	PB170080
87-68-3	Hexachlorobutadiene	0.54	U	1	0.54	5.00	ug/L	10/14/25 12:31	PB170080
88-06-2	2,4,6-Trichlorophenol	0.51	U	1	0.51	5.00	ug/L	10/14/25 12:31	PB170080
95-95-4	2,4,5-Trichlorophenol	0.62	U	1	0.62	5.00	ug/L	10/14/25 12:31	PB170080
121-14-2	2,4-Dinitrotoluene	1.20	U	1	1.20	5.00	ug/L	10/14/25 12:31	PB170080
118-74-1	Hexachlorobenzene	0.52	U	1	0.52	5.00	ug/L	10/14/25 12:31	PB170080
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.0	ug/L	10/14/25 12:31	PB170080
SURROGATES									
367-12-4	2-Fluorophenol	148			23 - 138	99%	SPK: 150		
13127-88-3	Phenol-d6	140			10 - 134	93%	SPK: 150		
4165-60-0	Nitrobenzene-d5	95.3			67 - 132	95%	SPK: 100		
321-60-8	2-Fluorobiphenyl	93.2			52 - 132	93%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	152			44 - 137	102%	SPK: 150		
1718-51-0	Terphenyl-d14	96.8			42 - 152	97%	SPK: 100		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	16800							
1146-65-2	Naphthalene-d8	64900							
15067-26-2	Acenaphthene-d10	49600							
1517-22-2	Phenanthrene-d10	133000							
1719-03-5	Chrysene-d12	151000							
1520-96-3	Perylene-d12	164000							

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\BG101425\
Data File : BG064498.D
Acq On : 14 Oct 2025 12:31
Operator : RC/JU
Sample : PB170080BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170080BL

Quant Time: Oct 14 13:07:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	16844	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	64925	20.000	ng	# 0.00
39) Acenaphthene-d10	14.447	164	49607	20.000	ng	0.00
64) Phenanthrene-d10	17.185	188	132934	20.000	ng	0.00
76) Chrysene-d12	21.410	240	151144	20.000	ng	0.00
86) Perylene-d12	24.389	264	163949	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.417	112	134929	148.249	ng	0.01
7) Phenol-d6	6.997	99	171149	139.931	ng	0.01
23) Nitrobenzene-d5	8.977	82	115105	95.328	ng	0.01
42) 2,4,6-Tribromophenol	15.940	330	136926	152.276	ng	0.00
45) 2-Fluorobiphenyl	13.072	172	313818	93.247	ng	0.00
79) Terphenyl-d14	19.812	244	772815	96.765	ng	0.00

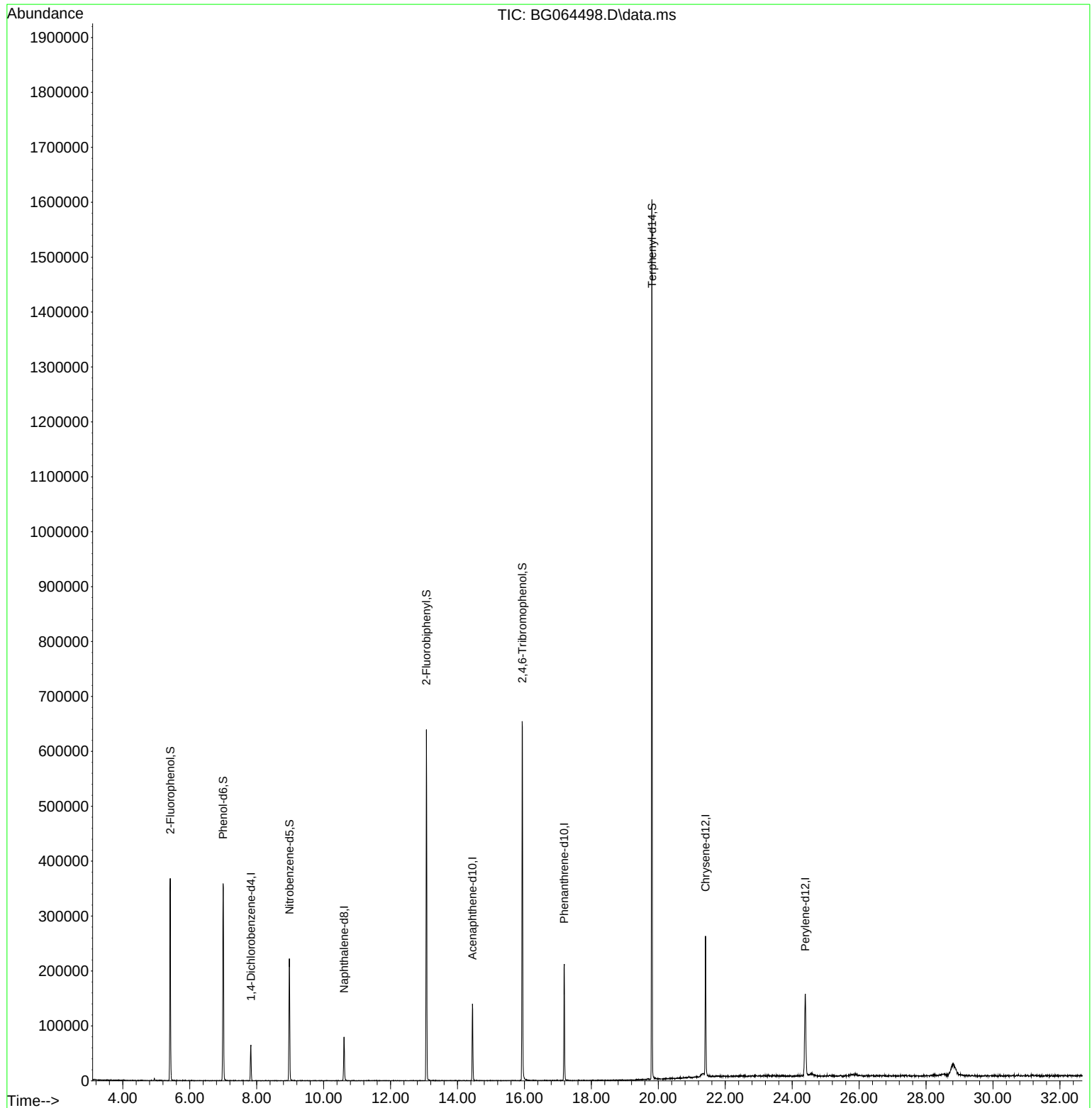
Target Compounds	Qvalue

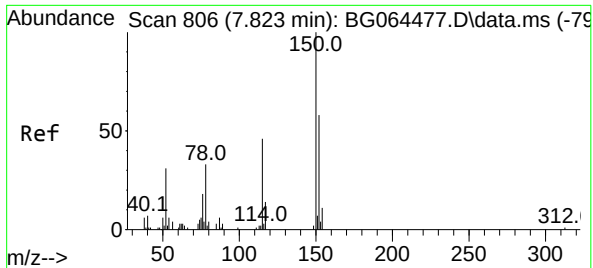
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
Data File : BG064498.D
Acq On : 14 Oct 2025 12:31
Operator : RC/JU
Sample : PB170080BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170080BL

Quant Time: Oct 14 13:07:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

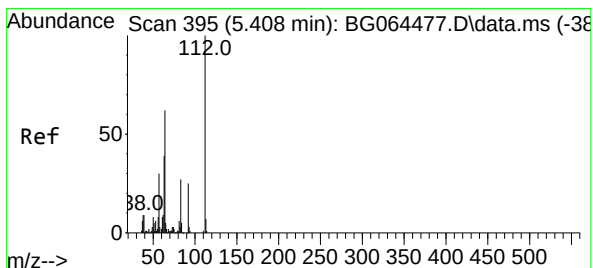
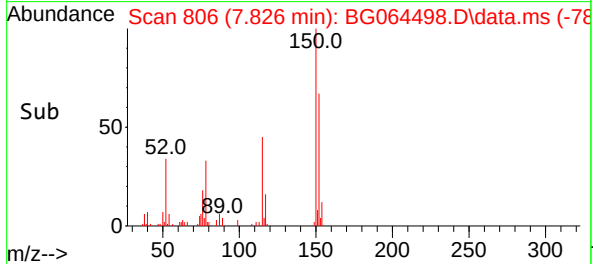
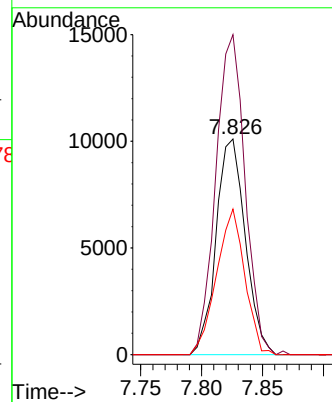
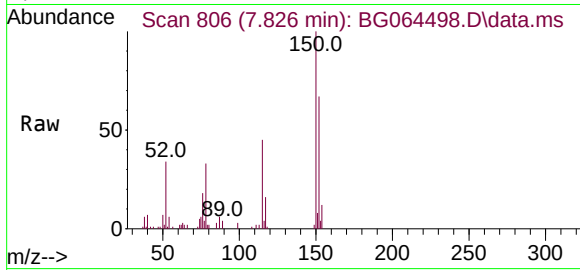




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.826 min Scan# 806
Delta R.T. 0.006 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

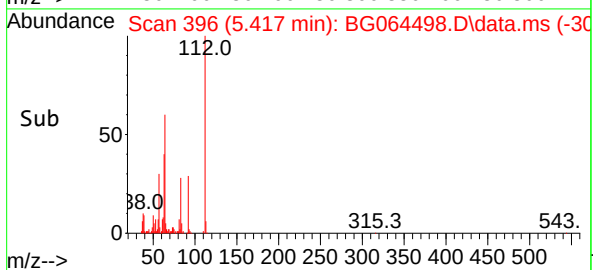
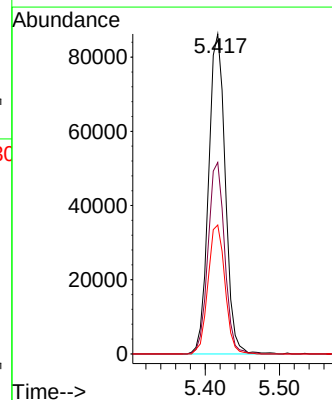
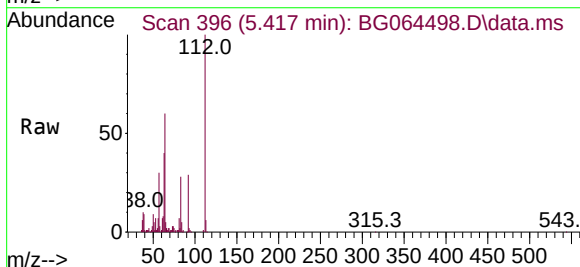
Instrument :
BNA_G
ClientSampleId :
PB170080BL

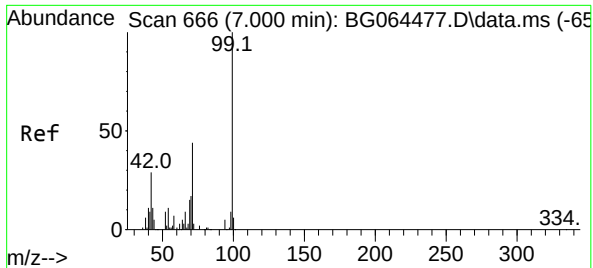
Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.4	138.6	207.8
115	67.5	63.4	95.2



#5
2-Fluorophenol
Concen: 148.249 ng
RT: 5.417 min Scan# 396
Delta R.T. 0.011 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	49.8	74.8
63	40.3	31.3	46.9

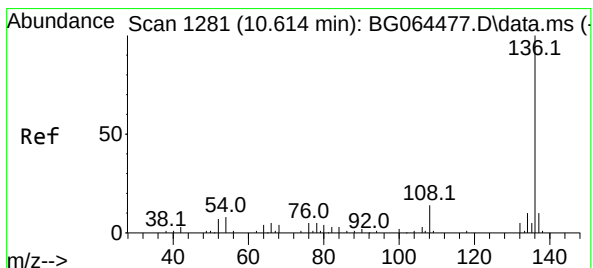
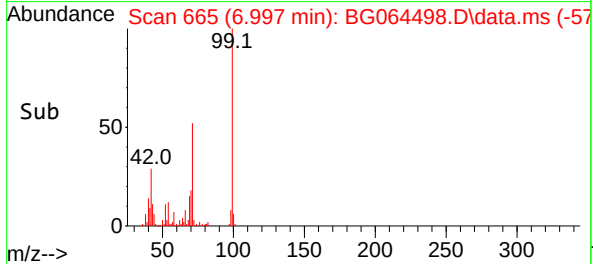
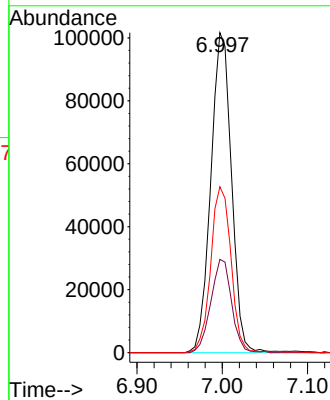
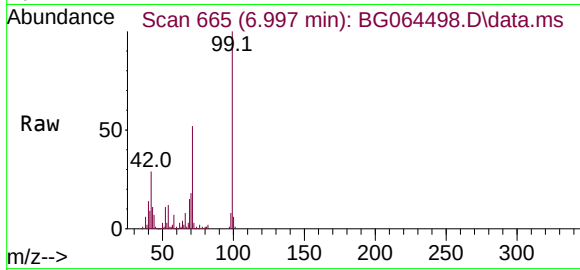




#7
Phenol-d6
Concen: 139.931 ng
RT: 6.997 min Scan# 60
Delta R.T. 0.011 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

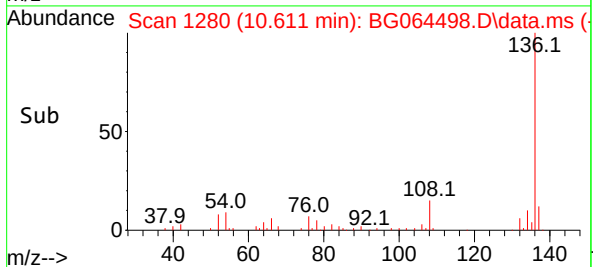
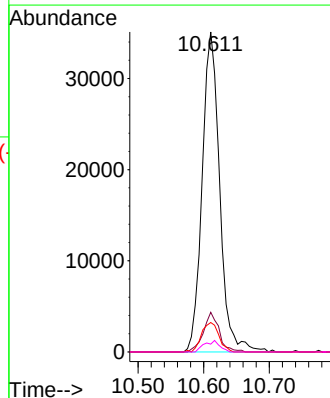
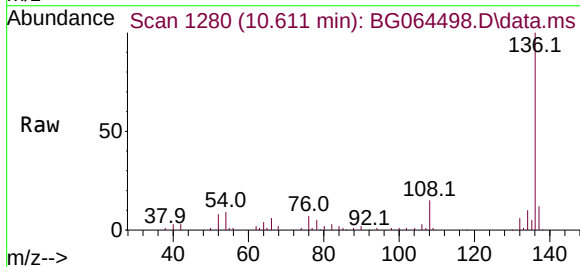
Instrument :
BNA_G
ClientSampleId :
PB170080BL

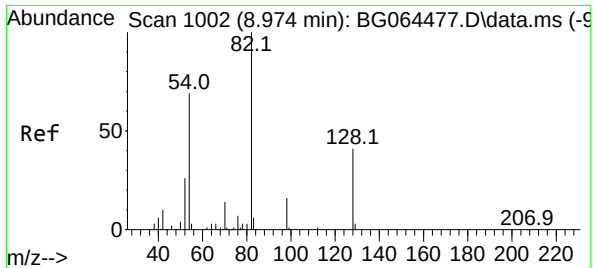
Tgt Ion: 99 Resp: 171149
Ion Ratio Lower Upper
99 100
42 29.1 22.9 34.3
71 51.8 35.4 53.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1280
Delta R.T. 0.005 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

Tgt Ion: 136 Resp: 64925
Ion Ratio Lower Upper
136 100
137 12.4 8.3 12.5
54 9.2 6.2 9.4
68 2.4 3.0 4.4#

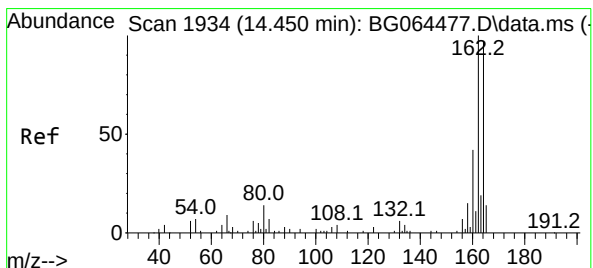
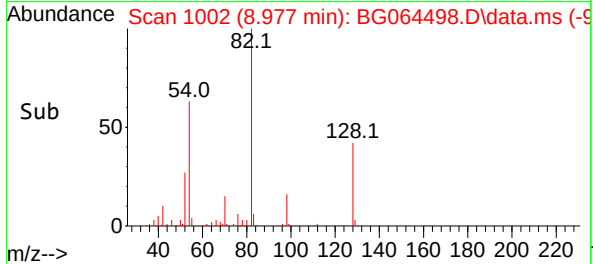
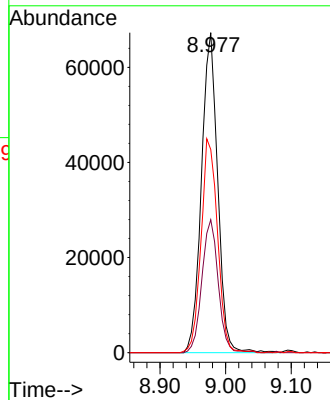
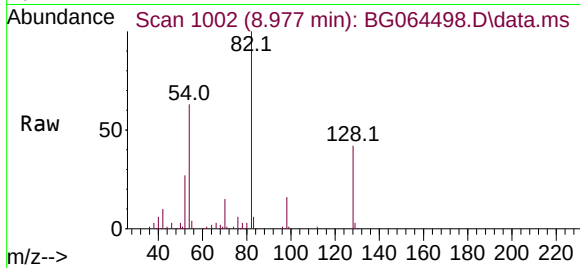




#23
Nitrobenzene-d5
Concen: 95.328 ng
RT: 8.977 min Scan# 1002
Delta R.T. 0.011 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

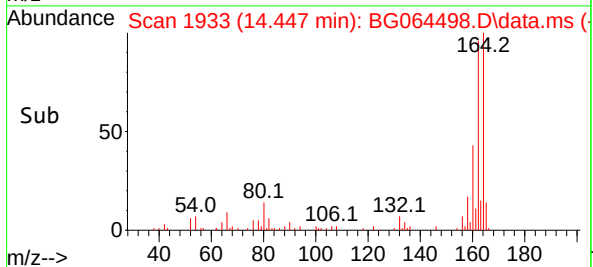
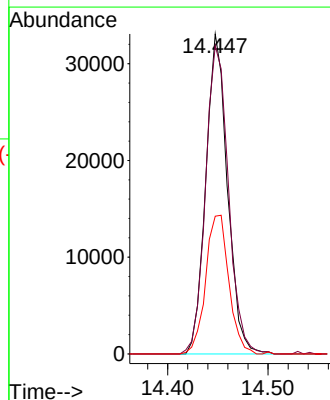
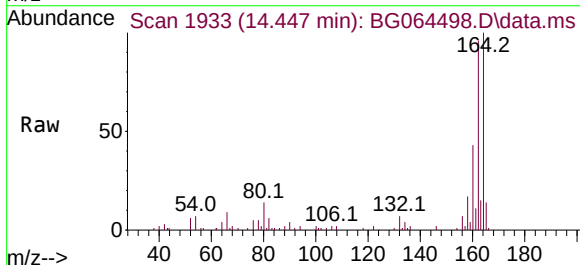
Instrument :
BNA_G
ClientSampleId :
PB170080BL

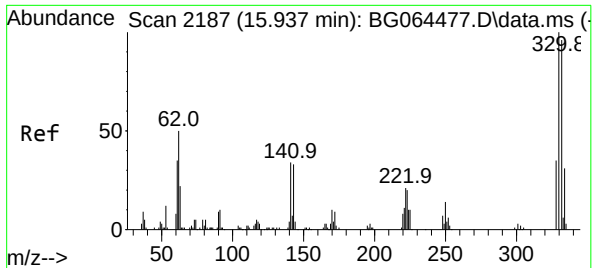
Tgt Ion: 82 Resp: 115105
Ion Ratio Lower Upper
82 100
128 41.5 33.1 49.7
54 63.5 55.4 83.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.447 min Scan# 1933
Delta R.T. -0.001 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

Tgt Ion: 164 Resp: 49607
Ion Ratio Lower Upper
164 100
162 96.3 82.2 123.2
160 43.0 34.3 51.5

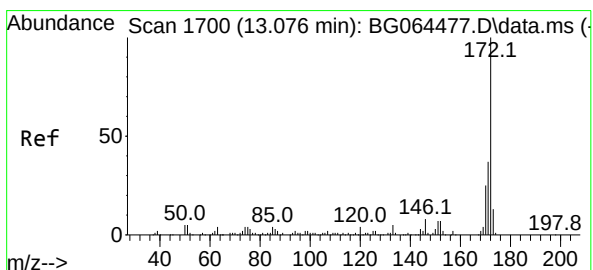
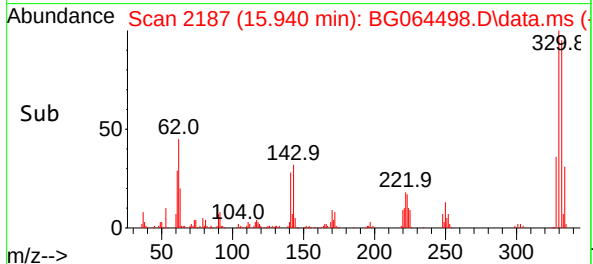
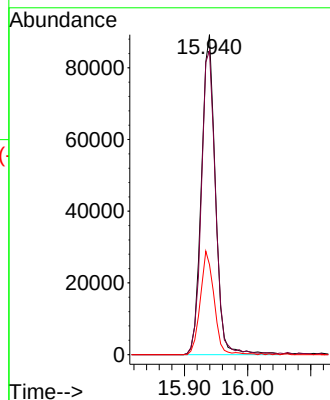
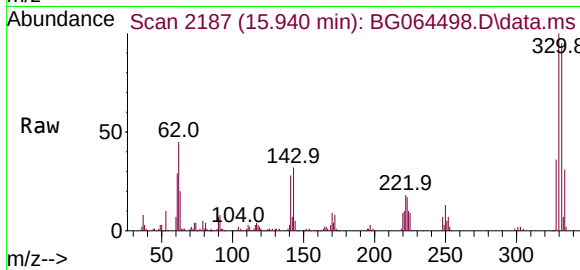




#42
2,4,6-Tribromophenol
Concen: 152.276 ng
RT: 15.940 min Scan# 2187
Delta R.T. 0.005 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

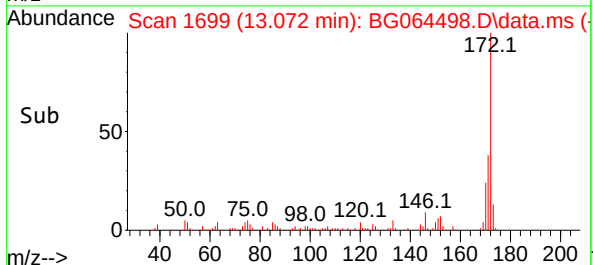
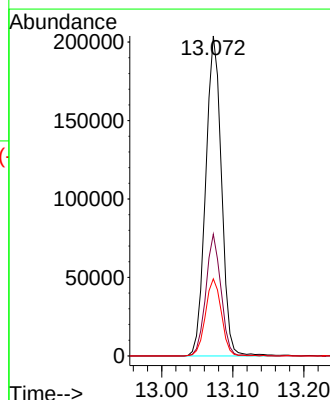
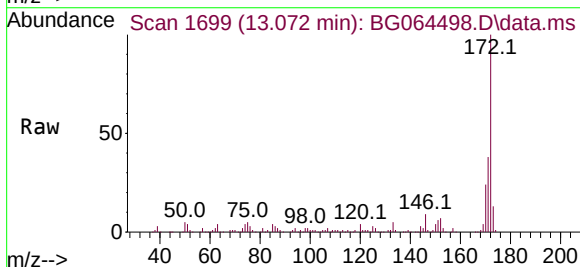
Instrument :
BNA_G
ClientSampleId :
PB170080BL

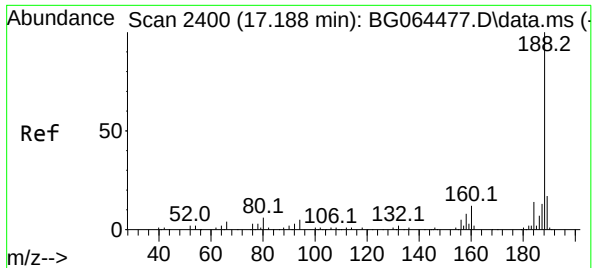
Tgt Ion:330 Resp: 136926
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 31.8 25.8 38.6



#45
2-Fluorobiphenyl
Concen: 93.247 ng
RT: 13.072 min Scan# 1699
Delta R.T. 0.005 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

Tgt Ion:172 Resp: 313818
Ion Ratio Lower Upper
172 100
171 38.0 29.6 44.4
170 24.1 20.2 30.2

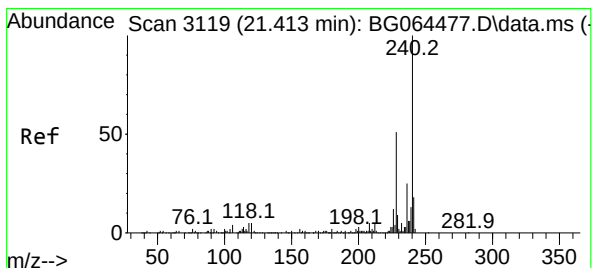
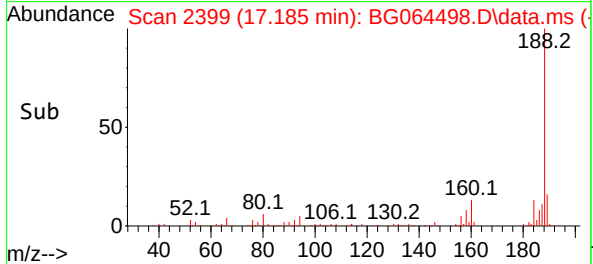
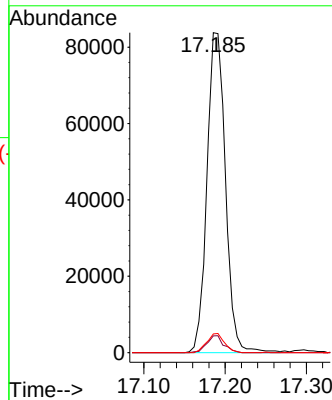
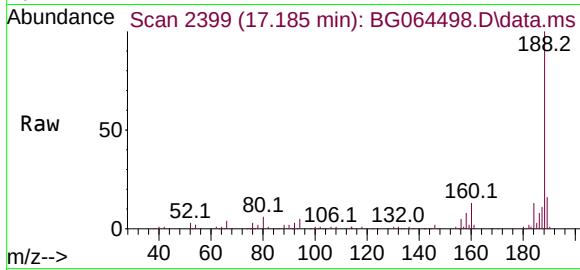




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.185 min Scan# 2399
Delta R.T. -0.001 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

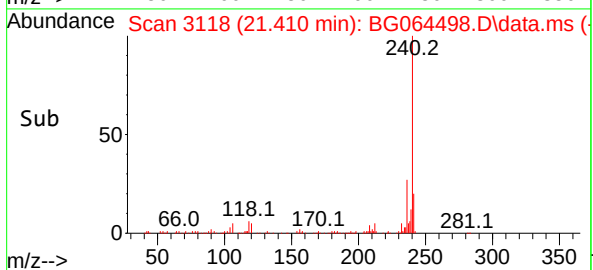
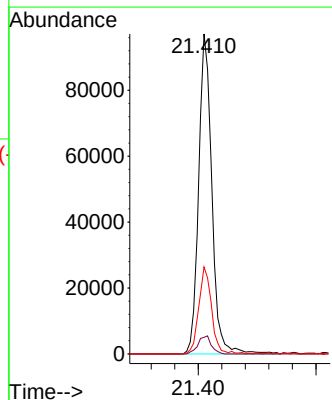
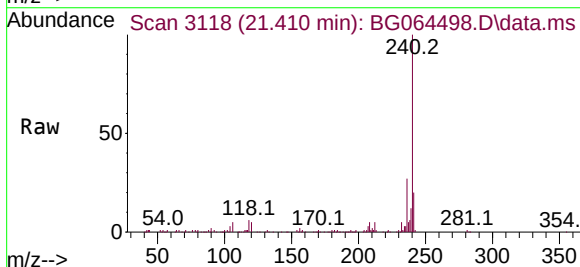
Instrument :
BNA_G
ClientSampleId :
PB170080BL

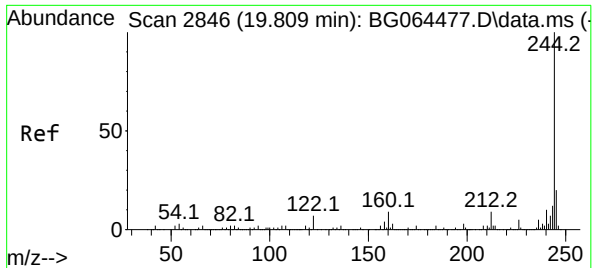
Tgt Ion:188 Resp: 132934
Ion Ratio Lower Upper
188 100
94 5.2 3.7 5.5
80 5.8 4.5 6.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

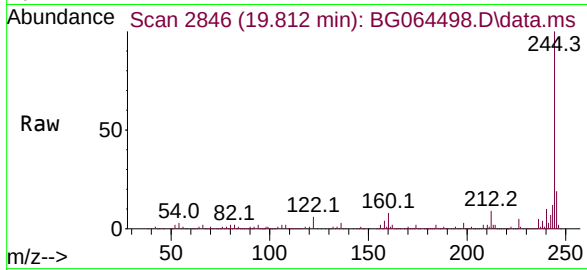
Tgt Ion:240 Resp: 151144
Ion Ratio Lower Upper
240 100
120 5.2 4.3 6.5
236 27.2 20.4 30.6



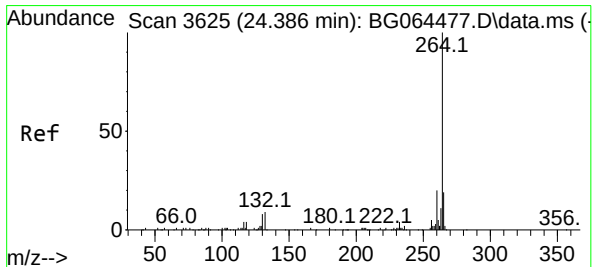
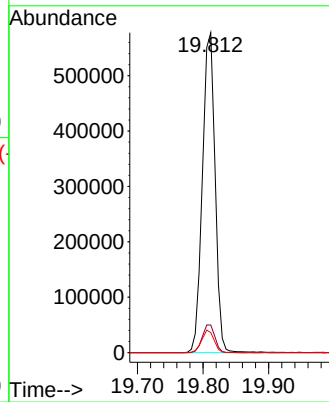
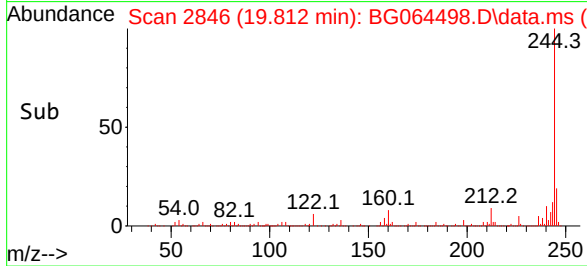


#79
Terphenyl-d14
Concen: 96.765 ng
RT: 19.812 min Scan# 2846
Delta R.T. 0.005 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

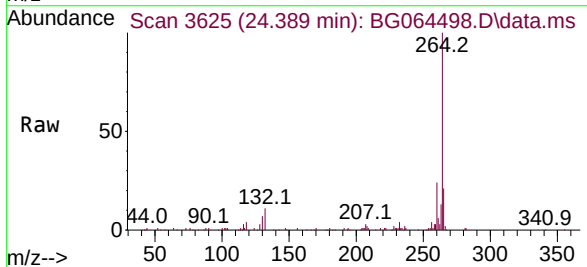
Instrument :
BNA_G
ClientSampleId :
PB170080BL



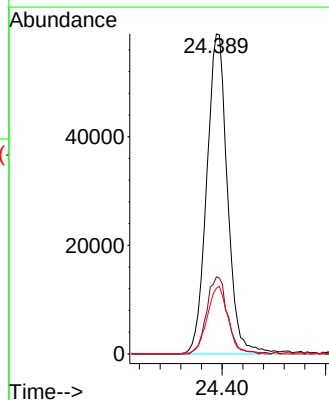
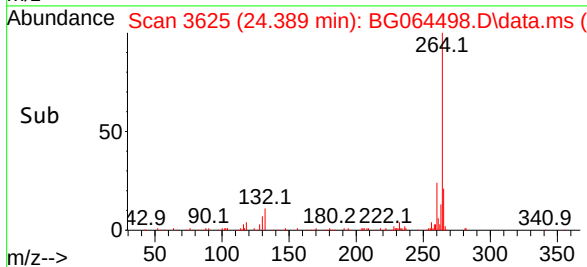
Tgt Ion:244 Resp: 772815
Ion Ratio Lower Upper
244 100
212 8.6 7.0 10.6
122 6.3 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.389 min Scan# 3625
Delta R.T. -0.001 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31



Tgt Ion:264 Resp: 163949
Ion Ratio Lower Upper
264 100
260 24.1 16.2 24.4
265 20.5 15.0 22.4



Report of Analysis

Client: Weston Solutions, Inc.
 Project: RFP 918
 Client Sample ID: PB170080BS
 Lab Sample ID: PB170080BS
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
 Prep Method : Prep Date: 10/13/25

Date Collected:
 Date Received:
 SDG No.: Q3321
 Matrix: TCLP
 % Solid: 0
 Test: TCLP BNA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	37.4		1	1.30	5.00	ug/L	10/14/25 14:38	PB170080
106-46-7	1,4-Dichlorobenzene	49.5		1	0.53	5.00	ug/L	10/14/25 14:38	PB170080
95-48-7	2-Methylphenol	50.1		1	1.10	5.00	ug/L	10/14/25 14:38	PB170080
65794-96-9	3+4-Methylphenols	48.0		1	1.10	10.0	ug/L	10/14/25 14:38	PB170080
67-72-1	Hexachloroethane	47.2		1	0.65	5.00	ug/L	10/14/25 14:38	PB170080
98-95-3	Nitrobenzene	46.2		1	0.76	5.00	ug/L	10/14/25 14:38	PB170080
87-68-3	Hexachlorobutadiene	46.0		1	0.54	5.00	ug/L	10/14/25 14:38	PB170080
88-06-2	2,4,6-Trichlorophenol	51.9		1	0.51	5.00	ug/L	10/14/25 14:38	PB170080
95-95-4	2,4,5-Trichlorophenol	52.2		1	0.62	5.00	ug/L	10/14/25 14:38	PB170080
121-14-2	2,4-Dinitrotoluene	49.2		1	1.20	5.00	ug/L	10/14/25 14:38	PB170080
118-74-1	Hexachlorobenzene	47.4		1	0.52	5.00	ug/L	10/14/25 14:38	PB170080
87-86-5	Pentachlorophenol	110	E	1	1.60	10.0	ug/L	10/14/25 14:38	PB170080
SURROGATES									
367-12-4	2-Fluorophenol	144			23 - 138	96%	SPK: 150		
13127-88-3	Phenol-d6	139			10 - 134	93%	SPK: 150		
4165-60-0	Nitrobenzene-d5	86.8			67 - 132	87%	SPK: 100		
321-60-8	2-Fluorobiphenyl	87.0			52 - 132	87%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	136			44 - 137	91%	SPK: 150		
1718-51-0	Terphenyl-d14	88.1			42 - 152	88%	SPK: 100		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	17500							
1146-65-2	Naphthalene-d8	74000							
15067-26-2	Acenaphthene-d10	55200							
1517-22-2	Phenanthrene-d10	140000							
1719-03-5	Chrysene-d12	154000							
1520-96-3	Perylene-d12	169000							

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\BG101425\
 Data File : BG064500.D
 Acq On : 14 Oct 2025 14:38
 Operator : RC/JU
 Sample : PB170080BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170080BS

Quant Time: Oct 14 15:15:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	17466	20.000	ng	# 0.00
21) Naphthalene-d8	10.608	136	74043	20.000	ng	# 0.00
39) Acenaphthene-d10	14.451	164	55179	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	139952	20.000	ng	0.00
76) Chrysene-d12	21.413	240	153646	20.000	ng	0.00
86) Perylene-d12	24.392	264	168945	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	135556	143.634	ng	0.00
7) Phenol-d6	7.001	99	176311	139.018	ng	0.01
23) Nitrobenzene-d5	8.975	82	119559	86.824	ng	0.00
42) 2,4,6-Tribromophenol	15.943	330	136382	136.355	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	325586	86.974	ng	0.00
79) Terphenyl-d14	19.809	244	715506	88.131	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.323	88	14271	38.230	ng	95
3) Pyridine	3.711	79	37495	37.373	ng	91
4) n-Nitrosodimethylamine	3.628	42	34692	47.700	ng	# 95
6) Aniline	7.154	93	47768	29.859	ng	96
8) 2-Chlorophenol	7.389	128	55145	47.584	ng	96
9) Benzaldehyde	6.966	77	23737	21.084	ng	96
10) Phenol	7.024	94	65381	48.868	ng	91
11) bis(2-Chloroethyl)ether	7.248	93	41748	46.077	ng	98
12) 1,3-Dichlorobenzene	7.712	146	60509	47.730	ng	99
13) 1,4-Dichlorobenzene	7.859	146	63000	49.515	ng	95
14) 1,2-Dichlorobenzene	8.176	146	60180	47.991	ng	96
15) Benzyl Alcohol	8.064	79	57610	49.325	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.352	45	66276	45.380	ng	93
17) 2-Methylphenol	8.270	107	48523	50.086	ng	95
18) Hexachloroethane	8.899	117	23725	47.241	ng	94
19) n-Nitroso-di-n-propyla...	8.628	70	38098	44.917	ng	95
20) 3+4-Methylphenols	8.593	107	64863	47.978	ng	93
22) Acetophenone	8.640	105	96674	53.924	ng	# 94
24) Nitrobenzene	9.022	77	63452	46.208	ng	96
25) Isophorone	9.539	82	111762	44.801	ng	# 98
26) 2-Nitrophenol	9.727	139	31142	45.567	ng	94
27) 2,4-Dimethylphenol	9.792	122	58310	55.860	ng	98
28) bis(2-Chloroethoxy)met...	10.021	93	59440	46.744	ng	97
29) 2,4-Dichlorophenol	10.262	162	59912	49.633	ng	97
30) 1,2,4-Trichlorobenzene	10.473	180	66109	50.228	ng	95
31) Naphthalene	10.661	128	175829	46.115	ng	98
32) Benzoic acid	9.956	122	41112	51.298	ng	# 89
33) 4-Chloroaniline	10.767	127	23595	16.127	ng	95
34) Hexachlorobutadiene	10.949	225	51901	46.045	ng	95
35) Caprolactam	11.537	113	20276m	49.066	ng	
36) 4-Chloro-3-methylphenol	11.901	107	72117	49.128	ng	98
37) 2-Methylnaphthalene	12.271	142	125512	42.884	ng	94
38) 1-Methylnaphthalene	12.489	142	128751	44.117	ng	99
40) 1,2,4,5-Tetrachloroben...	12.641	216	94299	52.928	ng	99
41) Hexachlorocyclopentadiene	12.624	237	137592	147.638	ng	98
43) 2,4,6-Trichlorophenol	12.882	196	59058	51.854	ng	95

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 Data File : BG064500.D
 Acq On : 14 Oct 2025 14:38
 Operator : RC/JU
 Sample : PB170080BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170080BS

Quant Time: Oct 14 15:15:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

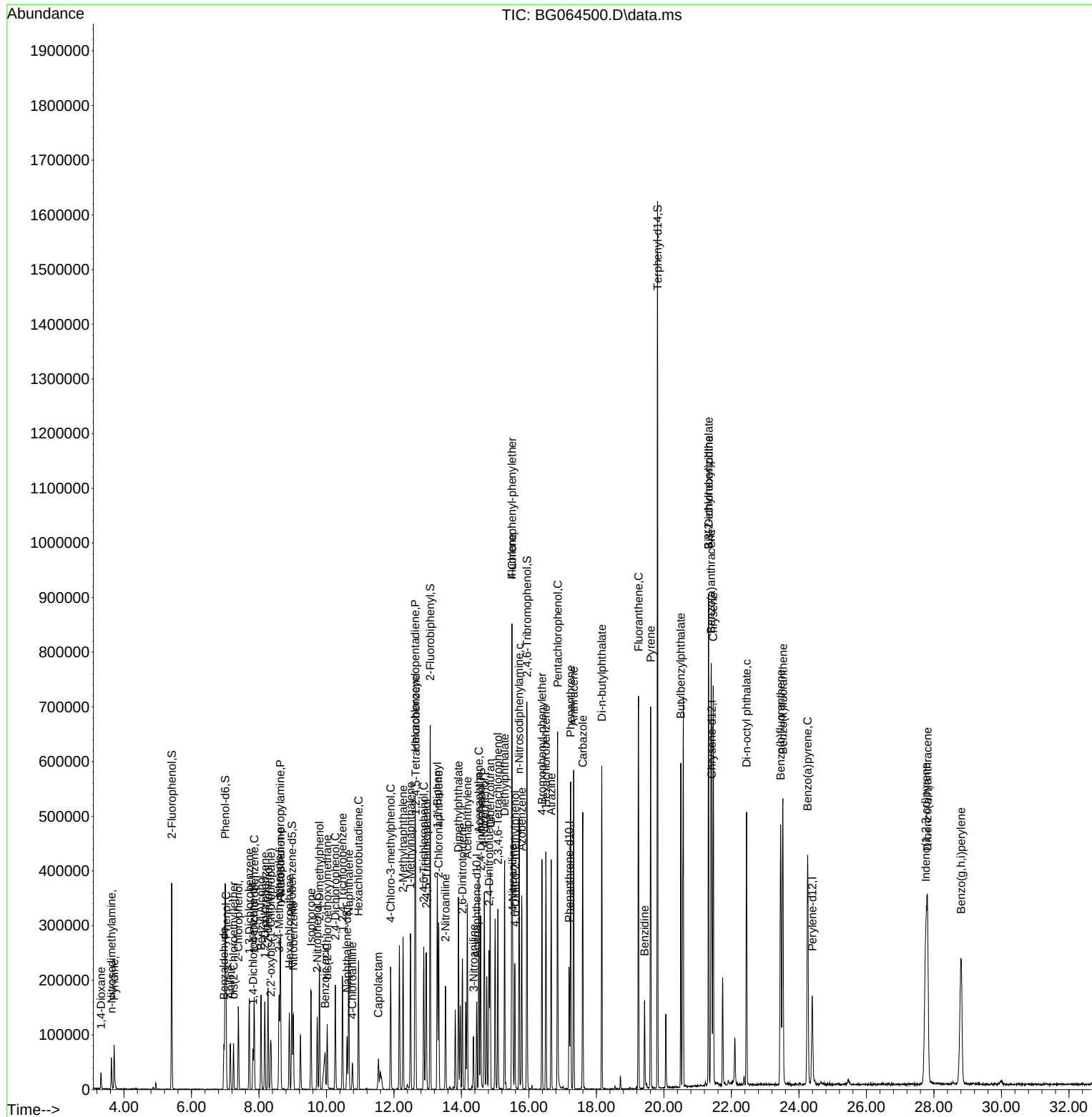
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46) 1,1'-Biphenyl	13.288	154	212003	53.419	ng	98
47) 2-Chloronaphthalene	13.323	162	140615	47.456	ng	96
48) 2-Nitroaniline	13.528	65	49657	49.102	ng	86
49) Acenaphthylene	14.175	152	242700	55.177	ng	98
50) Dimethylphthalate	13.910	163	202447	46.845	ng	98
51) 2,6-Dinitrotoluene	14.028	165	44644	49.591	ng	89
52) Acenaphthene	14.516	154	140842	46.088	ng	98
53) 3-Nitroaniline	14.357	138	20887	25.158	ng	94
54) 2,4-Dinitrophenol	14.568	184	61951	94.903	ng	85
55) Dibenzofuran	14.850	168	239690	47.503	ng	100
56) 4-Nitrophenol	14.680	139	70237	107.450	ng	89
57) 2,4-Dinitrotoluene	14.815	165	67734	49.218	ng	# 96
58) Fluorene	15.497	166	205619	49.018	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.080	232	66097	50.936	ng	# 99
60) Diethylphthalate	15.279	149	218582	47.148	ng	97
61) 4-Chlorophenyl-phenyle...	15.497	204	108493	47.375	ng	95
62) 4-Nitroaniline	15.520	138	43033	49.730	ng	# 86
63) Azobenzene	15.785	77	172174	47.954	ng	97
65) 4,6-Dinitro-2-methylph...	15.585	198	47804	49.058	ng	92
66) n-Nitrosodiphenylamine	15.708	169	179143	47.934	ng	95
67) 4-Bromophenyl-phenylether	16.384	248	76655	46.545	ng	92
68) Hexachlorobenzene	16.501	284	89365	47.420	ng	96
69) Atrazine	16.660	200	88868	53.447	ng	97
70) Pentachlorophenol	16.848	266	120834	109.663	ng	98
71) Phenanthrene	17.236	178	347244	47.445	ng	98
72) Anthracene	17.324	178	357128	48.639	ng	99
73) Carbazole	17.594	167	332755	52.431	ng	99
74) Di-n-butylphthalate	18.158	149	397141	51.261	ng	100
75) Fluoranthene	19.245	202	452222	51.721	ng	99
77) Benzidine	19.427	184	100398	26.260	ng	98
78) Pyrene	19.604	202	463874	46.522	ng	98
80) Butylbenzylphthalate	20.497	149	170307	48.182	ng	99
81) Benzo(a)anthracene	21.396	228	483778	49.313	ng	98
82) 3,3'-Dichlorobenzidine	21.319	252	84901	25.569	ng	# 99
83) Chrysene	21.460	228	444105	47.734	ng	98
84) Bis(2-ethylhexyl)phtha...	21.319	149	240538	48.231	ng	98
85) Di-n-octyl phthalate	22.447	149	411128	49.050	ng	100
87) Indeno(1,2,3-cd)pyrene	27.759	276	576953	49.062	ng	98
88) Benzo(b)fluoranthene	23.458	252	464977	48.378	ng	99
89) Benzo(k)fluoranthene	23.523	252	476690	49.244	ng	98
90) Benzo(a)pyrene	24.257	252	447817	50.555	ng	97
91) Dibenzo(a,h)anthracene	27.806	278	478551	50.886	ng	97
92) Benzo(g,h,i)perylene	28.799	276	459666	50.297	ng	97

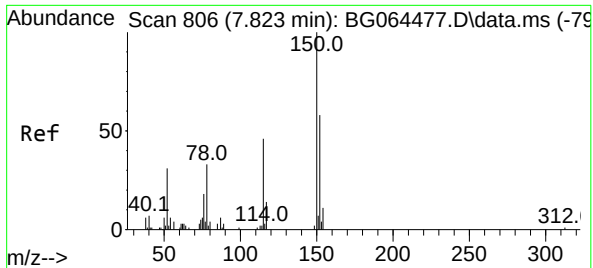
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Acq On    : 14 Oct 2025  14:38  
Operator  : RC/JU  
Sample    : PB170080BS  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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Instrument :
BNA_G
ClientSampleId :
PB170080BS

Quant Time: Oct 14 15:15:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

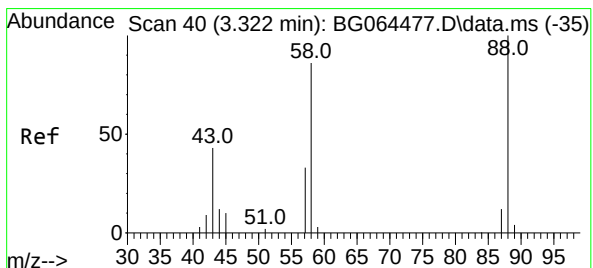
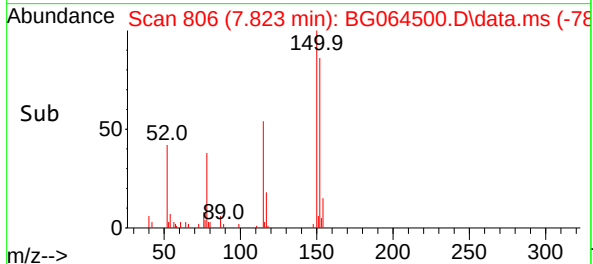
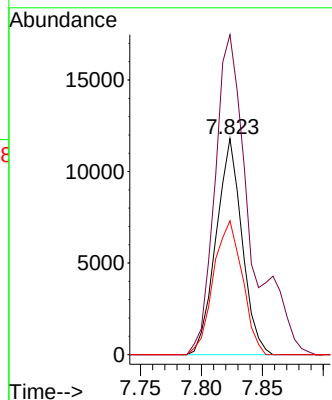
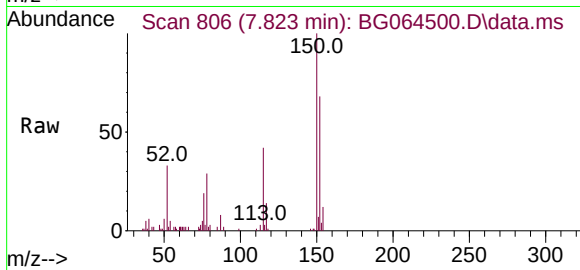




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.823 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: BG064500.D
 Acq: 14 Oct 2025 14:38

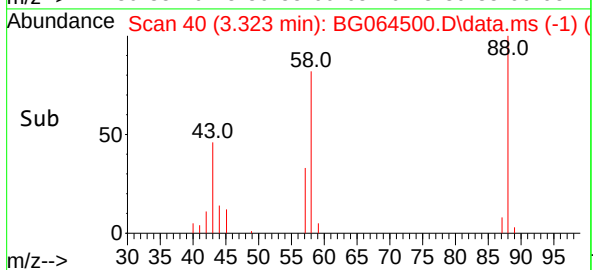
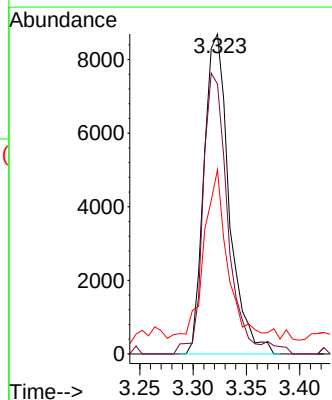
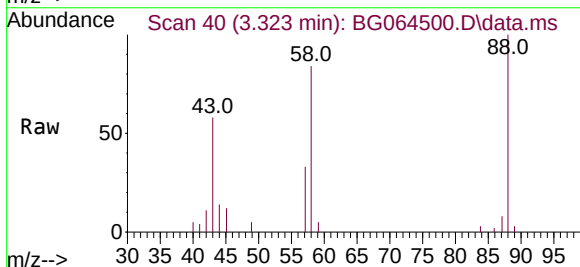
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 ClientSampleId :
 PB170080BS

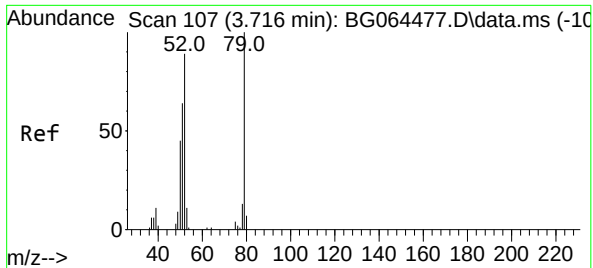
Tgt Ion:152 Resp: 17466
 Ion Ratio Lower Upper
 152 100
 150 148.1 138.6 207.8
 115 62.0 63.4 95.2#



#2
 1,4-Dioxane
 Concen: 38.230 ng
 RT: 3.323 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: BG064500.D
 Acq: 14 Oct 2025 14:38

Tgt Ion: 88 Resp: 14271
 Ion Ratio Lower Upper
 88 100
 58 84.9 69.8 104.6
 43 53.5 37.4 56.0

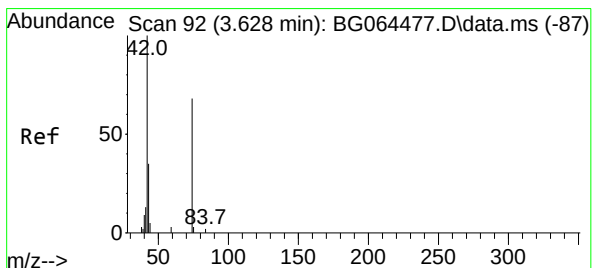
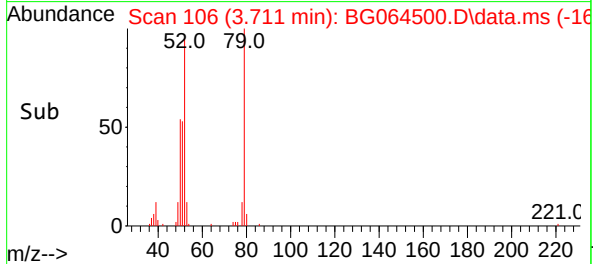
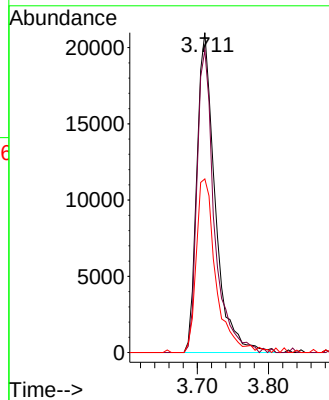
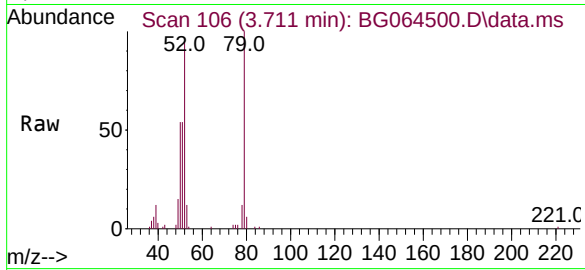




#3
Pyridine
Concen: 37.373 ng
RT: 3.711 min Scan# 107
Delta R.T. -0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

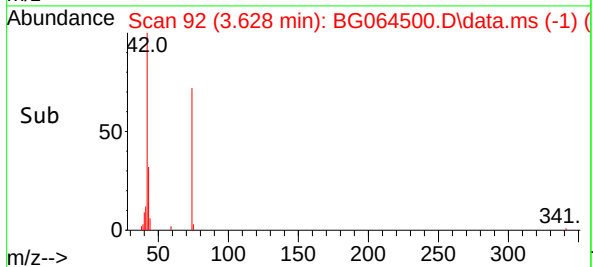
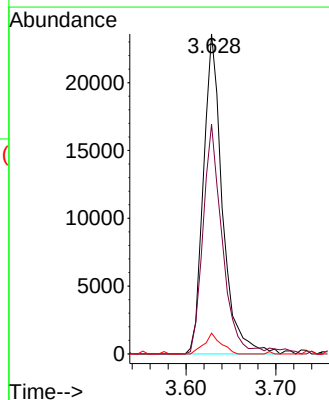
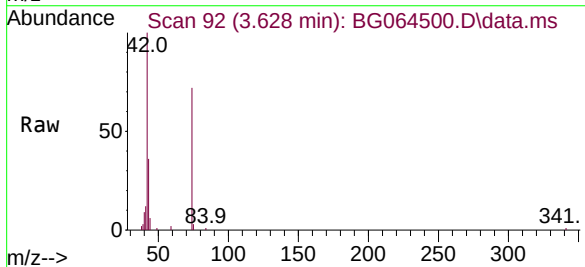
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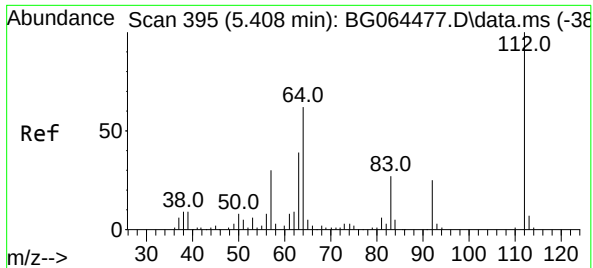
Tgt Ion: 79 Resp: 37495
Ion Ratio Lower Upper
79 100
52 94.5 71.0 106.4
51 54.3 51.0 76.6



#4
n-Nitrosodimethylamine
Concen: 47.700 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 42 Resp: 34692
Ion Ratio Lower Upper
42 100
74 71.8 54.2 81.4
44 6.5 4.2 6.2

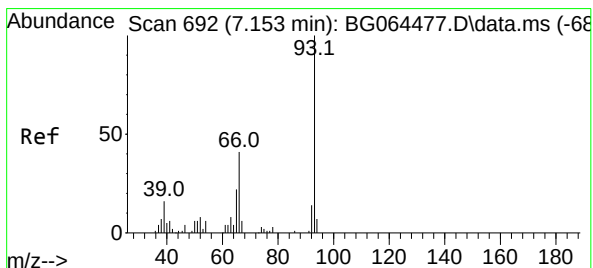
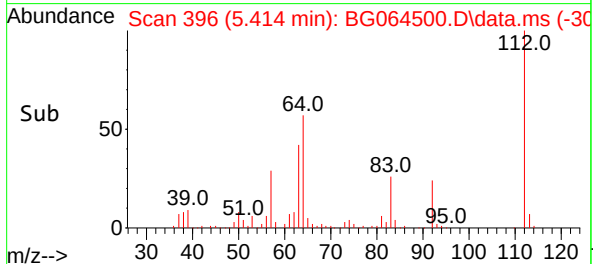
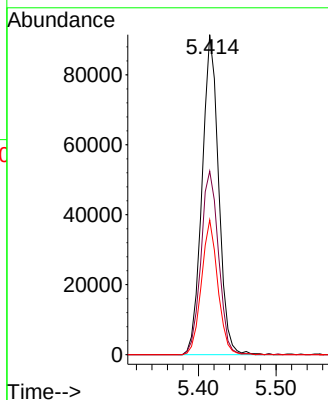
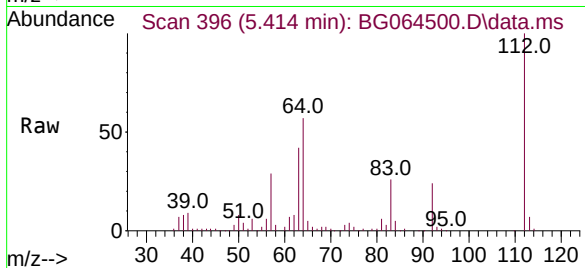




#5
2-Fluorophenol
Concen: 143.634 ng
RT: 5.414 min Scan# 395
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

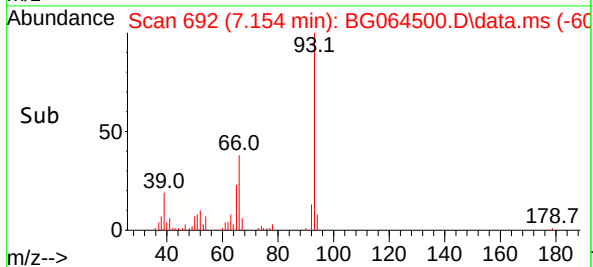
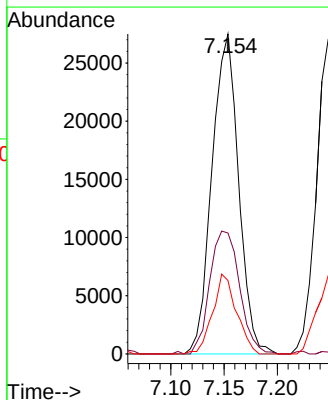
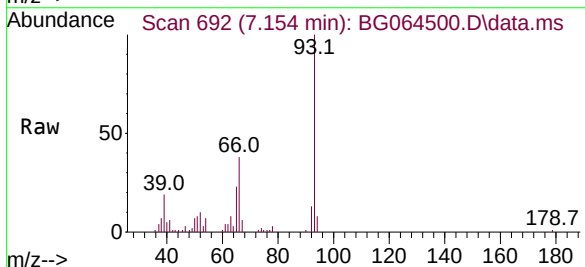
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ClientSampleId :
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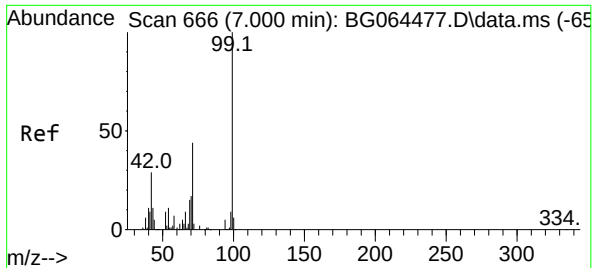
Tgt Ion:112 Resp: 135556
Ion Ratio Lower Upper
112 100
64 57.3 49.8 74.8
63 42.1 31.3 46.9



#6
Aniline
Concen: 29.859 ng
RT: 7.154 min Scan# 692
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 93 Resp: 47768
Ion Ratio Lower Upper
93 100
66 37.8 33.0 49.4
65 22.9 17.5 26.3

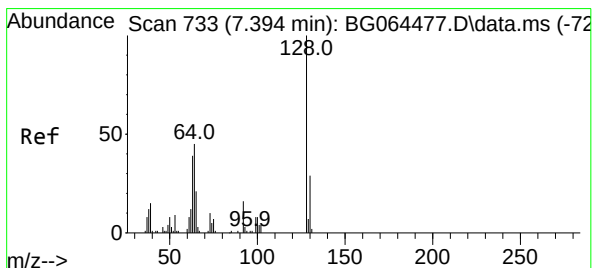
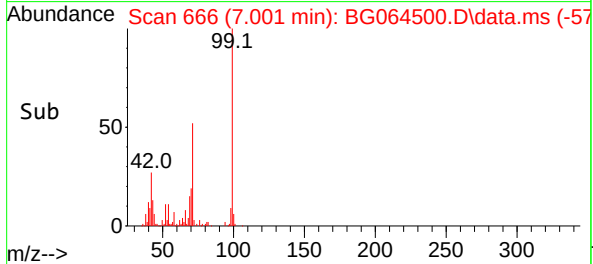
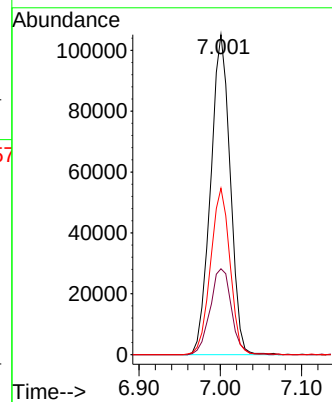
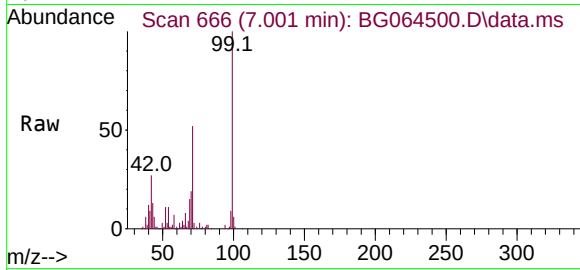




#7
Phenol-d6
Concen: 139.018 ng
RT: 7.001 min Scan# 60
Delta R.T. 0.015 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

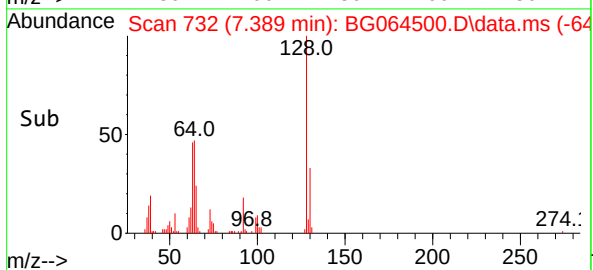
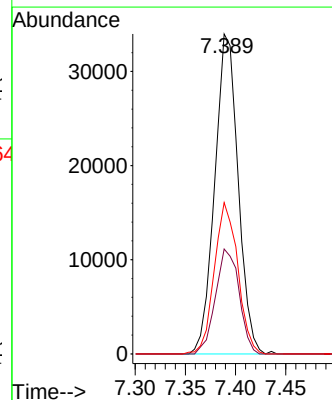
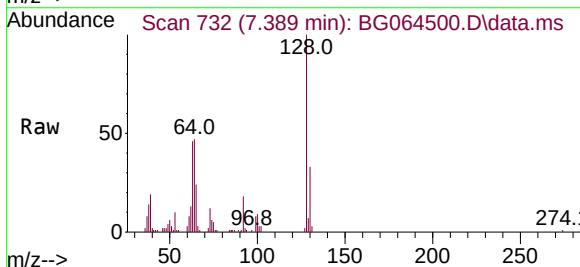
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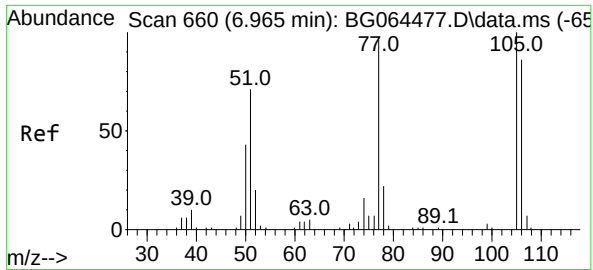
Tgt Ion: 99 Resp: 176311
Ion Ratio Lower Upper
99 100
42 26.8 22.9 34.3
71 52.0 35.4 53.2



#8
2-Chlorophenol
Concen: 47.584 ng
RT: 7.389 min Scan# 732
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 128 Resp: 55145
Ion Ratio Lower Upper
128 100
130 32.8 9.2 49.2
64 47.3 25.5 65.5

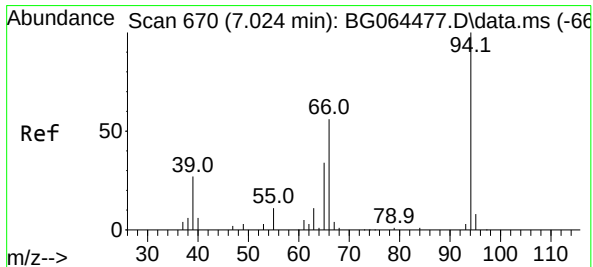
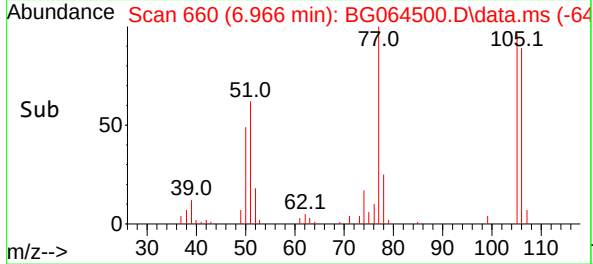
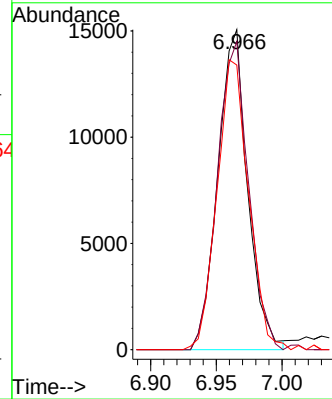
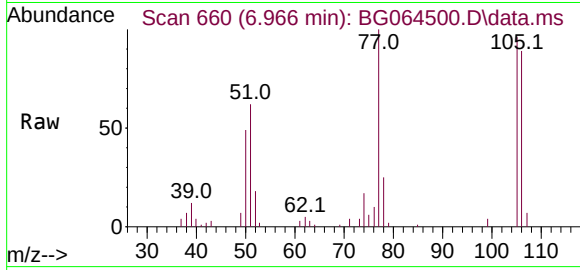




#9
Benzaldehyde
Concen: 21.084 ng
RT: 6.966 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

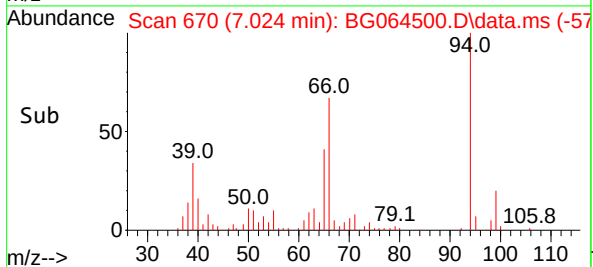
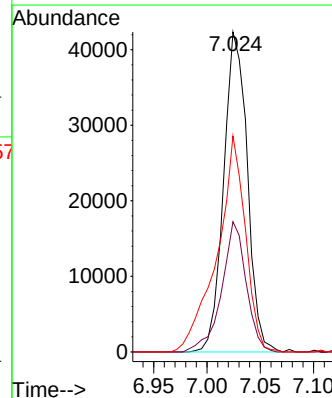
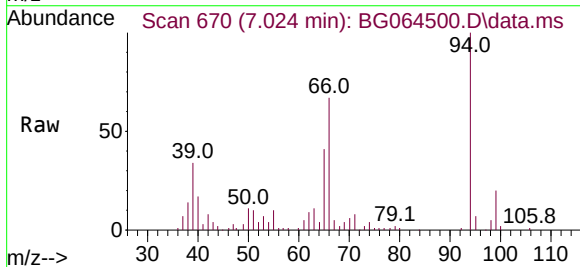
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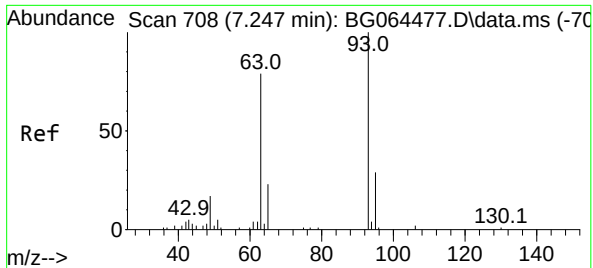
Tgt Ion: 77 Resp: 23737
Ion Ratio Lower Upper
77 100
105 96.3 83.7 123.7
106 88.9 69.4 109.4



#10
Phenol
Concen: 48.868 ng
RT: 7.024 min Scan# 670
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 94 Resp: 65381
Ion Ratio Lower Upper
94 100
65 40.7 14.8 54.8
66 67.5 41.4 81.4





#11

bis(2-Chloroethyl)ether

Concen: 46.077 ng

RT: 7.248 min Scan# 708

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Instrument :

BNA_G

ClientSampleId :

PB170080BS

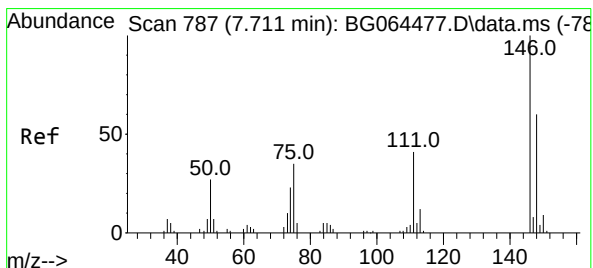
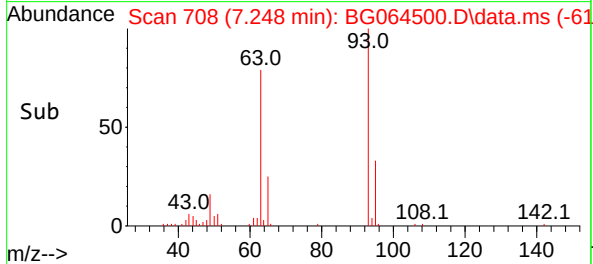
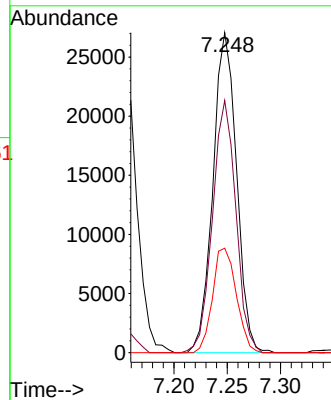
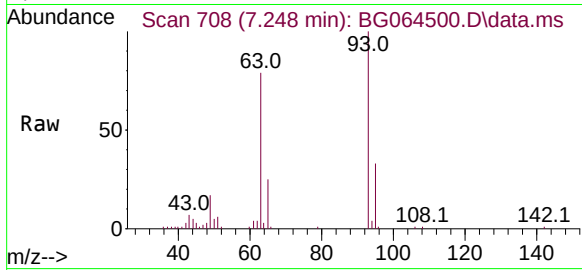
Tgt Ion: 93 Resp: 41748

Ion Ratio Lower Upper

93 100

63 78.8 59.5 99.5

95 32.6 8.8 48.8



#12

1,3-Dichlorobenzene

Concen: 47.730 ng

RT: 7.712 min Scan# 787

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

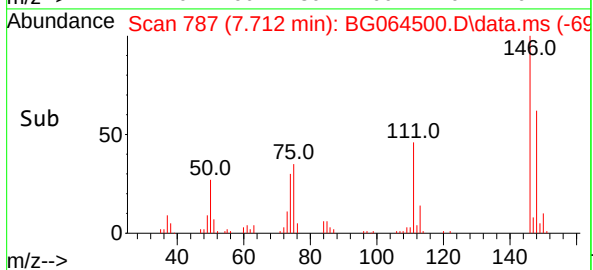
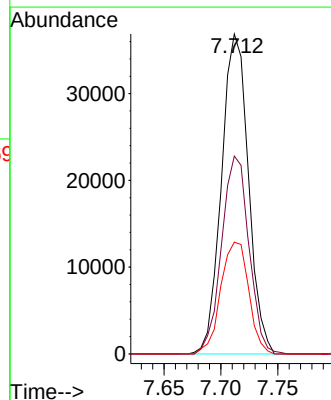
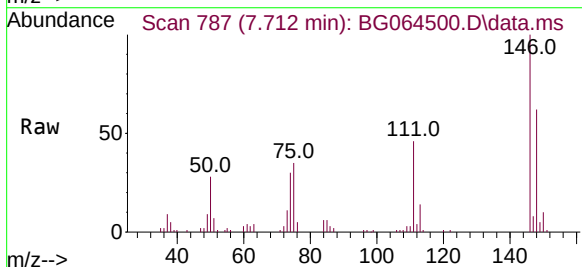
Tgt Ion:146 Resp: 60509

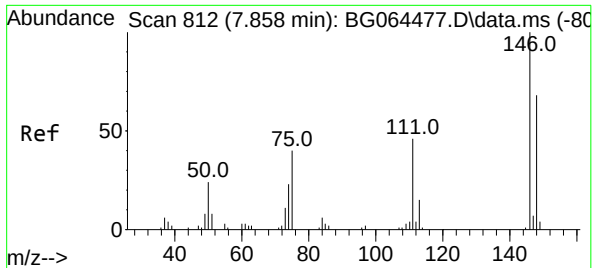
Ion Ratio Lower Upper

146 100

148 61.9 48.4 72.6

75 34.9 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 49.515 ng

RT: 7.859 min Scan# 812

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Instrument :

BNA_G

ClientSampleId :

PB170080BS

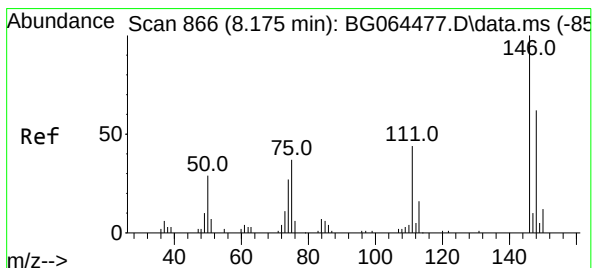
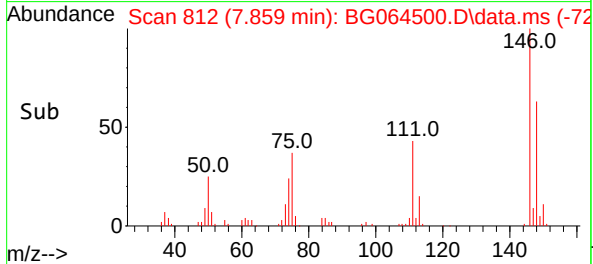
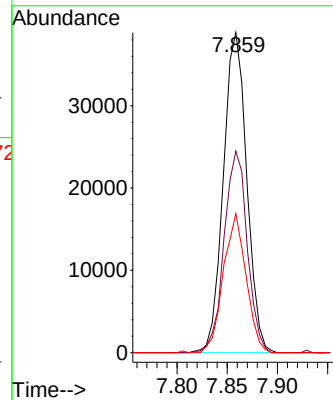
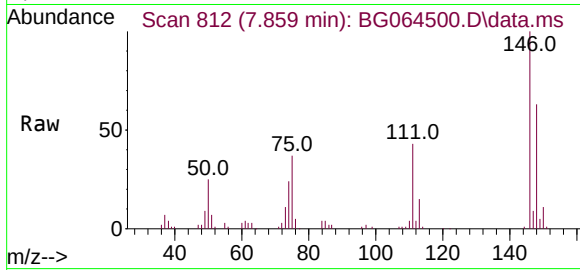
Tgt Ion:146 Resp: 63000

Ion Ratio Lower Upper

146 100

148 63.0 54.4 81.6

111 43.4 36.5 54.7



#14

1,2-Dichlorobenzene

Concen: 47.991 ng

RT: 8.176 min Scan# 866

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

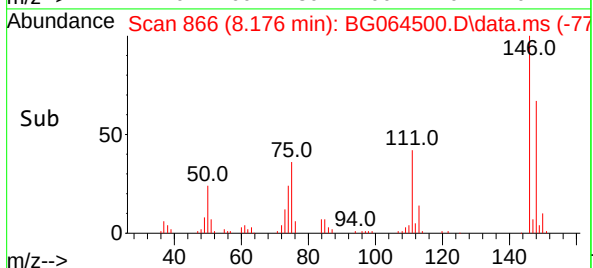
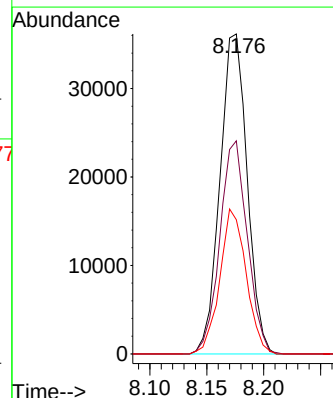
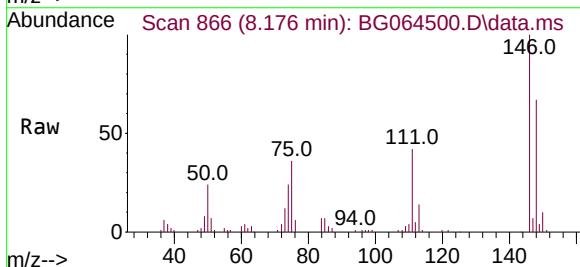
Tgt Ion:146 Resp: 60180

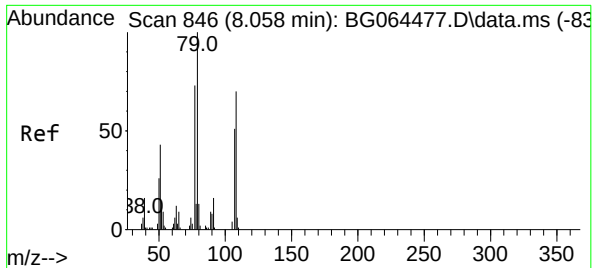
Ion Ratio Lower Upper

146 100

148 66.6 50.0 75.0

111 41.9 35.0 52.4





#15

Benzyl Alcohol

Concen: 49.325 ng

RT: 8.064 min Scan# 846

Delta R.T. 0.009 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Instrument :

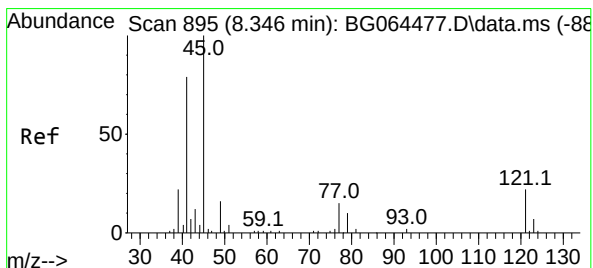
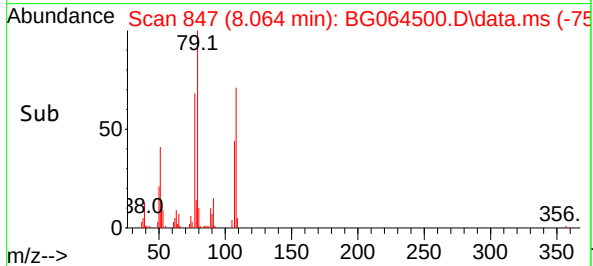
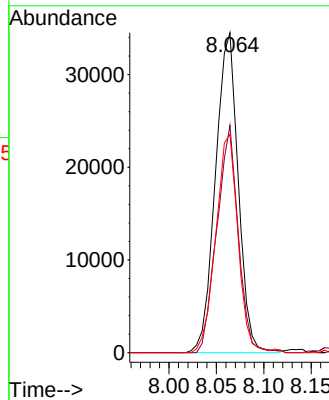
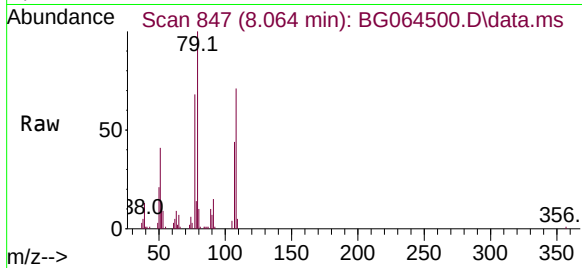
BNA_G

ClientSampleId :

PB170080BS

Tgt Ion: 79 Resp: 57610

Ion	Ratio	Lower	Upper
79	100		
108	71.0	56.4	84.6
77	68.2	58.3	87.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.380 ng

RT: 8.352 min Scan# 896

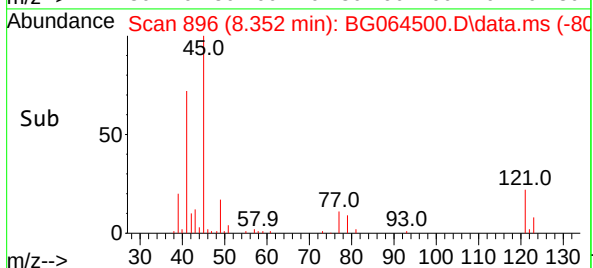
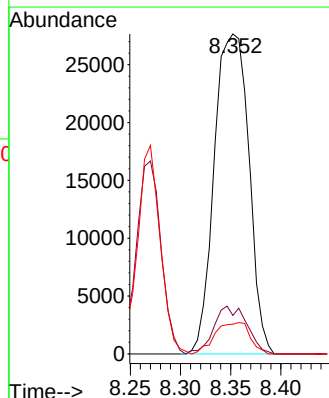
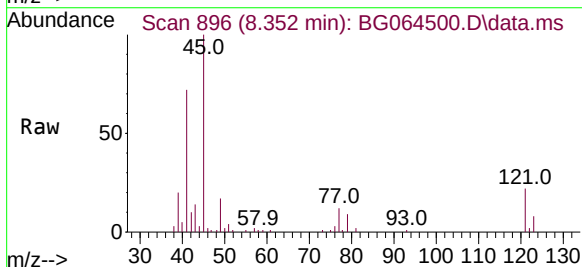
Delta R.T. 0.015 min

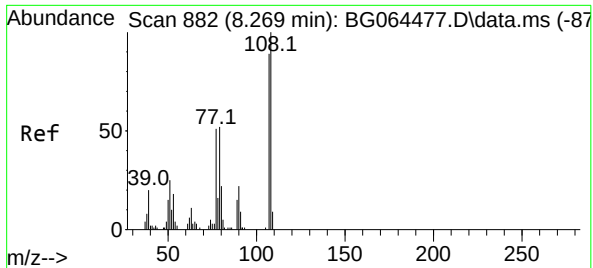
Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Tgt Ion: 45 Resp: 66276

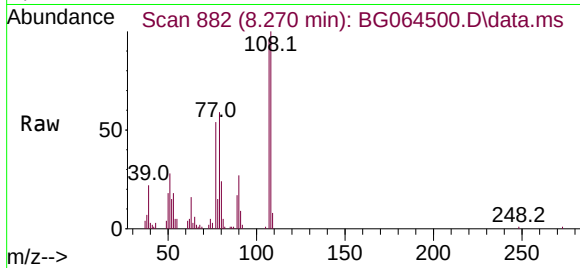
Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	35.6
79	9.3	0.0	30.7



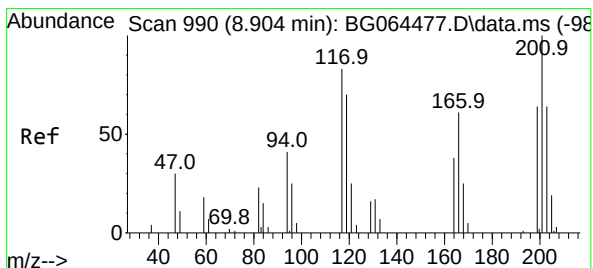
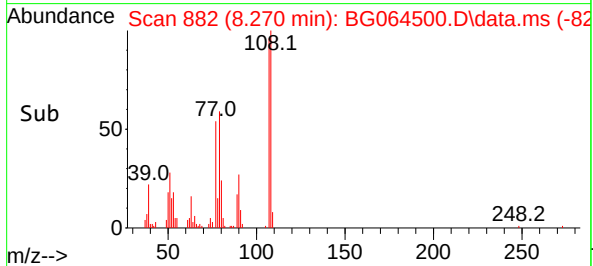
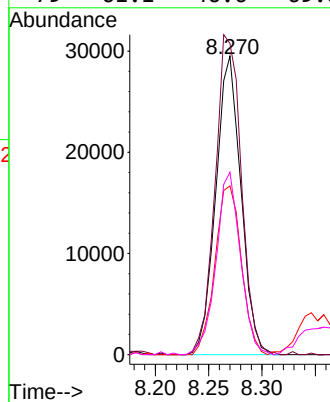


#17
2-Methylphenol
Concen: 50.086 ng
RT: 8.270 min Scan# 882
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Instrument :
BNA_G
ClientSampleId :
PB170080BS

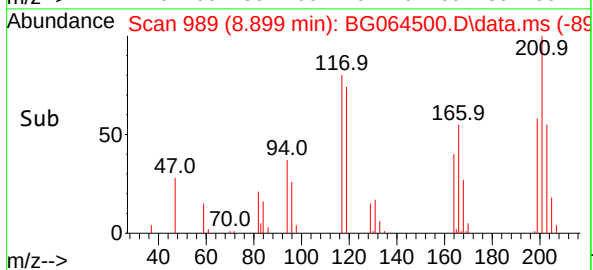
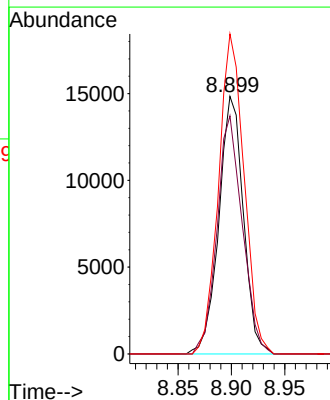
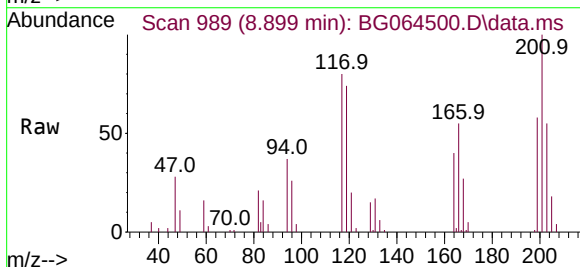


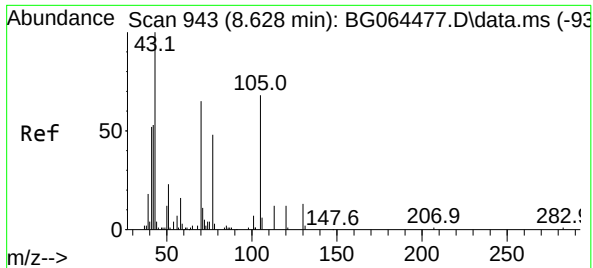
Tgt Ion:	107	Resp:	48523
Ion	Ratio	Lower	Upper
107	100		
108	104.2	90.3	135.5
77	56.5	46.0	69.0
79	61.1	46.6	69.8



#18
Hexachloroethane
Concen: 47.241 ng
RT: 8.899 min Scan# 989
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:	117	Resp:	23725
Ion	Ratio	Lower	Upper
117	100		
119	92.4	67.4	101.0
201	124.3	95.9	143.9

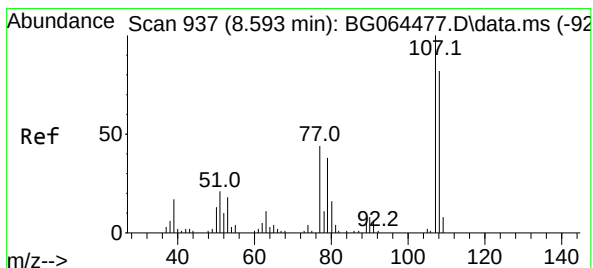
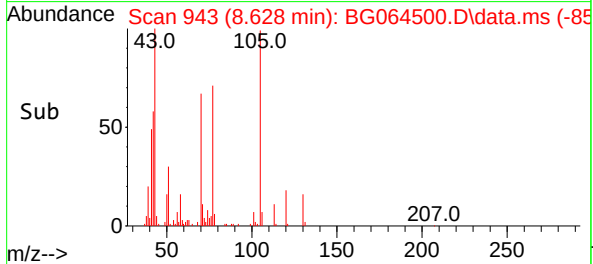
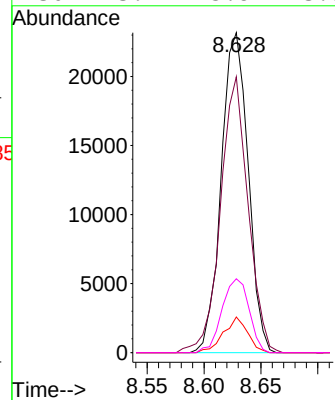
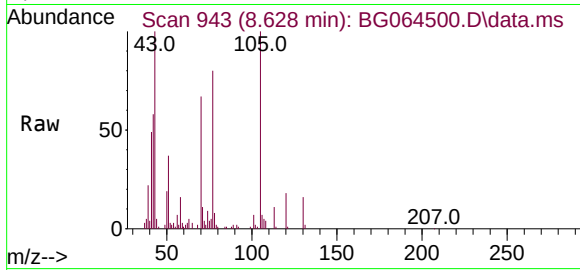




#19
n-Nitroso-di-n-propylamine
Concen: 44.917 ng
RT: 8.628 min Scan# 94
Delta R.T. 0.015 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

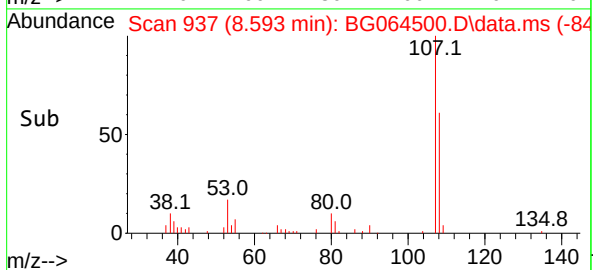
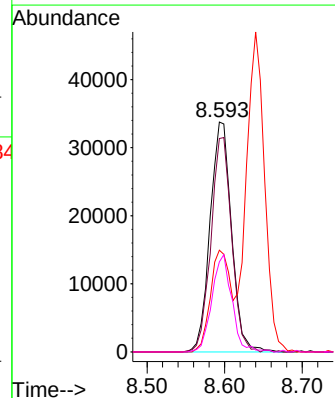
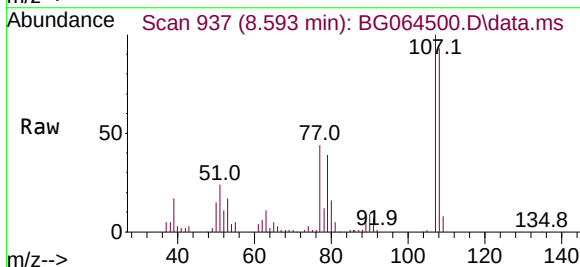
Instrument :
BNA_G
ClientSampleId :
PB170080BS

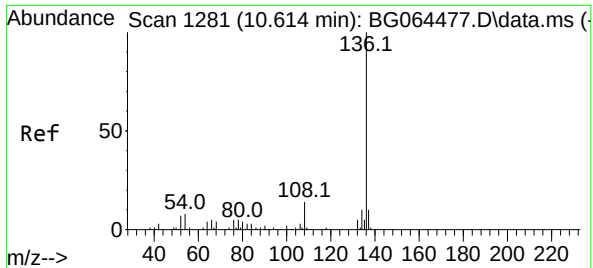
Tgt Ion:	70	Resp:	38098
Ion	Ratio	Lower	Upper
70	100		
42	86.2	64.9	97.3
101	11.1	8.7	13.1
130	23.1	15.8	23.8



#20
3+4-Methylphenols
Concen: 47.978 ng
RT: 8.593 min Scan# 937
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:	107	Resp:	64863
Ion	Ratio	Lower	Upper
107	100		
108	92.9	62.1	102.1
77	44.3	23.5	63.5
79	39.2	17.8	57.8

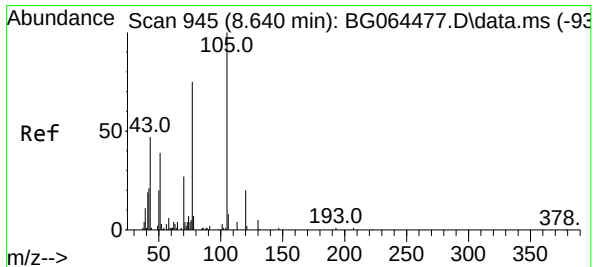
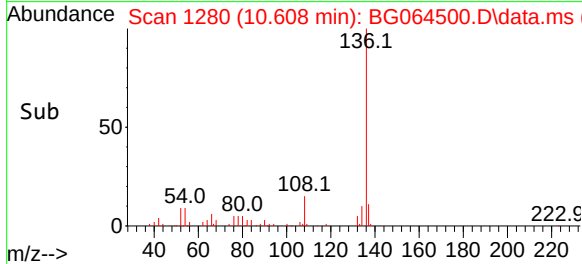
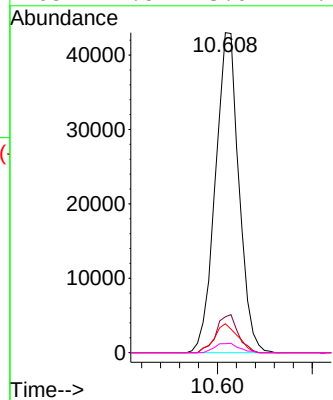
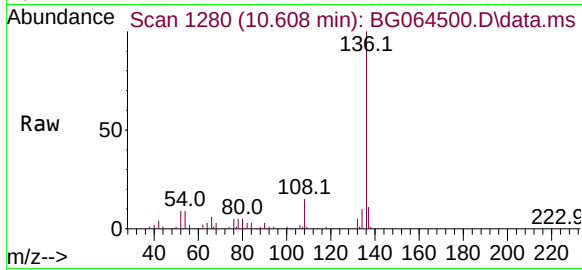




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

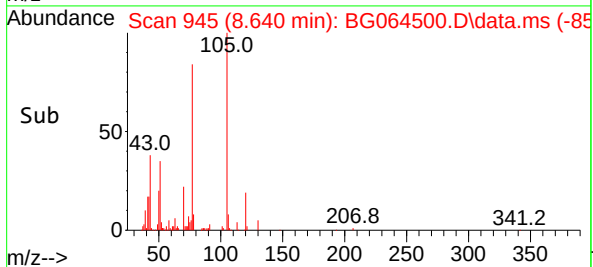
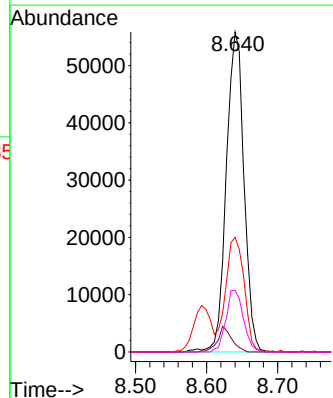
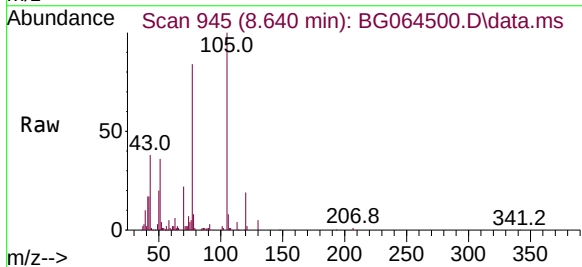
Instrument :
BNA_G
ClientSampleId :
PB170080BS

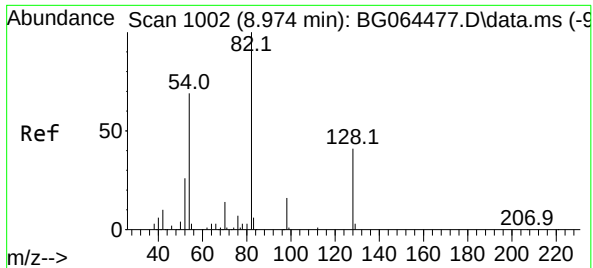
Tgt Ion:136 Resp: 74043
Ion Ratio Lower Upper
136 100
137 11.2 8.3 12.5
54 9.0 6.2 9.4
68 2.8 3.0 4.4#



#22
Acetophenone
Concen: 53.924 ng
RT: 8.640 min Scan# 945
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:105 Resp: 96674
Ion Ratio Lower Upper
105 100
71 2.5 2.8 4.2#
51 35.8 33.0 49.4
120 19.2 15.8 23.6





#23

Nitrobenzene-d5

Concen: 86.824 ng

RT: 8.975 min Scan# 10

Delta R.T. 0.009 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Instrument :

BNA_G

ClientSampleId :

PB170080BS

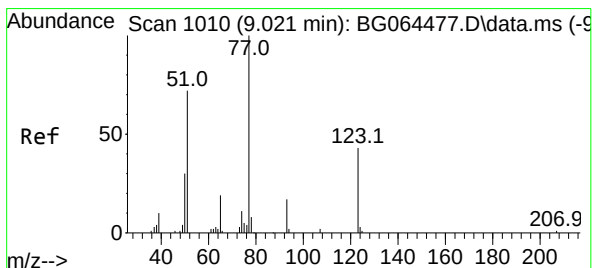
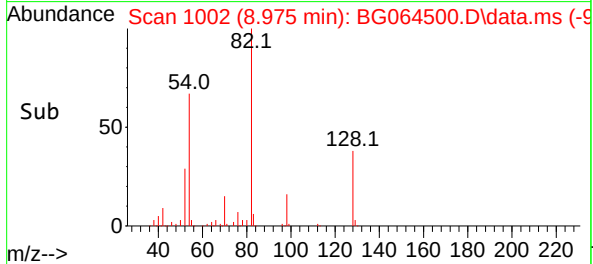
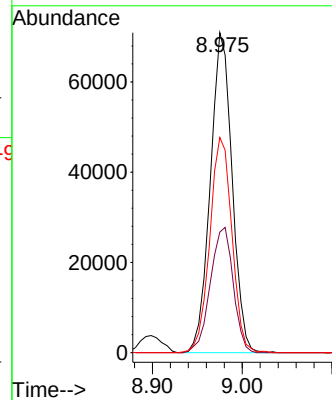
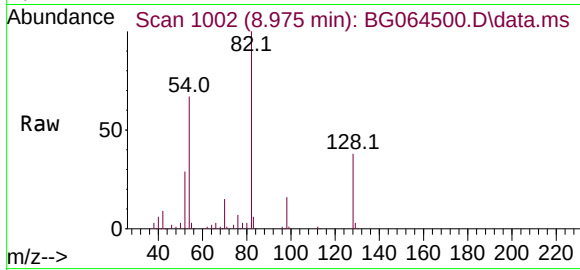
Tgt Ion: 82 Resp: 119559

Ion Ratio Lower Upper

82 100

128 37.7 33.1 49.7

54 67.2 55.4 83.2



#24

Nitrobenzene

Concen: 46.208 ng

RT: 9.022 min Scan# 1010

Delta R.T. 0.009 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

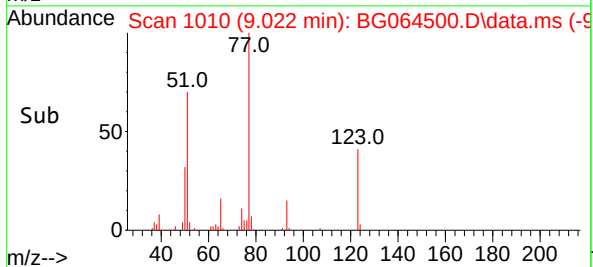
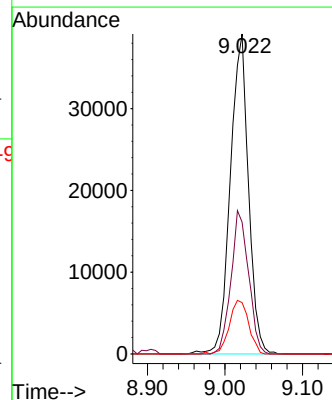
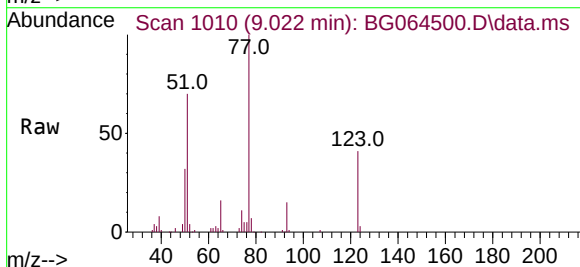
Tgt Ion: 77 Resp: 63452

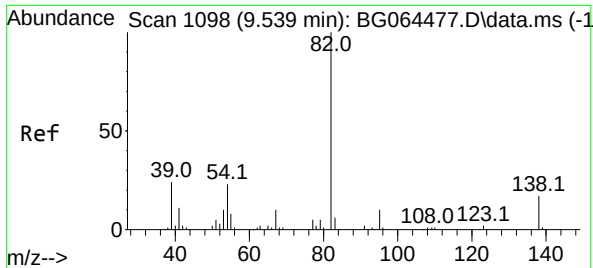
Ion Ratio Lower Upper

77 100

123 41.2 34.4 51.6

65 16.0 14.8 22.2

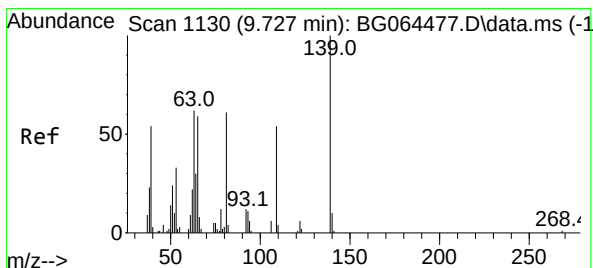
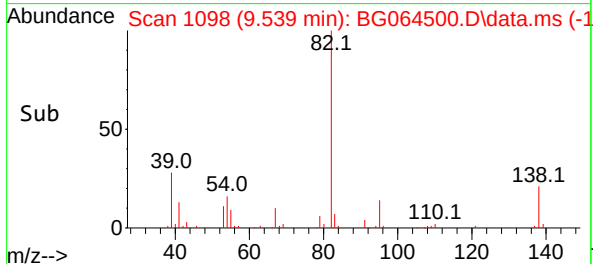
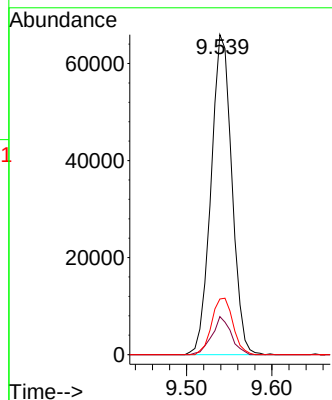
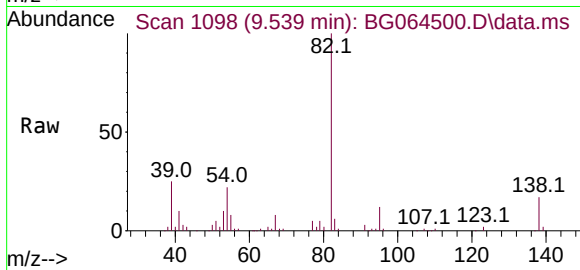




#25
Isophorone
Concen: 44.801 ng
RT: 9.539 min Scan# 1098
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

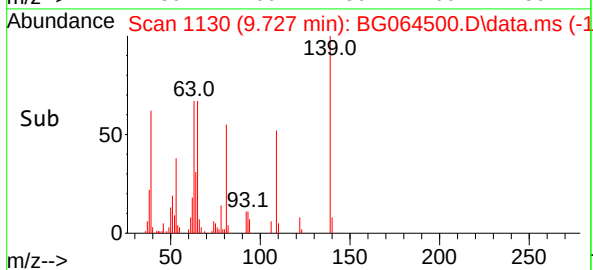
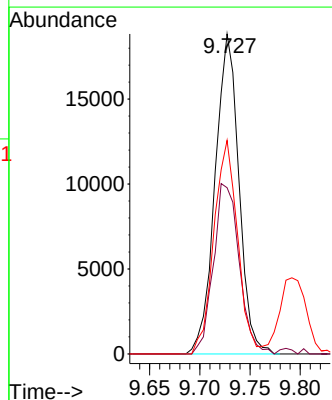
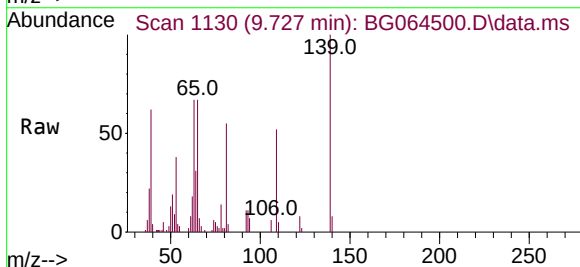
Instrument :
BNA_G
ClientSampleId :
PB170080BS

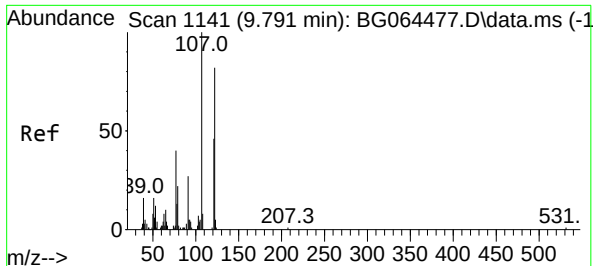
Tgt Ion: 82 Resp: 111762
Ion Ratio Lower Upper
82 100
95 11.9 7.8 11.8#
138 17.4 13.8 20.6



#26
2-Nitrophenol
Concen: 45.567 ng
RT: 9.727 min Scan# 1130
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 139 Resp: 31142
Ion Ratio Lower Upper
139 100
109 51.9 43.0 64.6
65 66.7 47.4 71.2

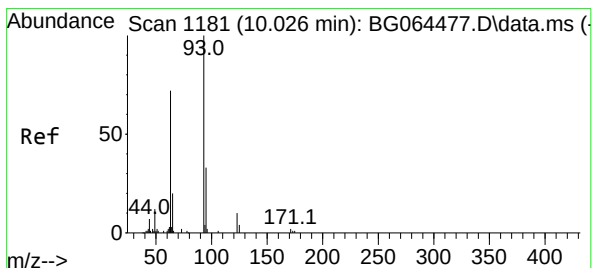
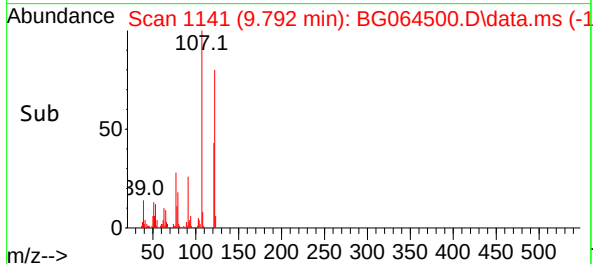
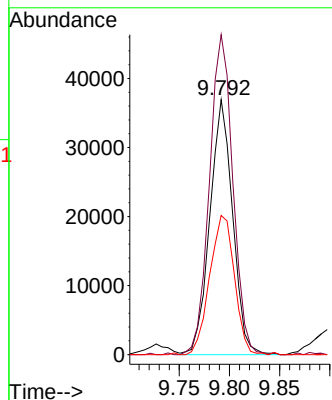
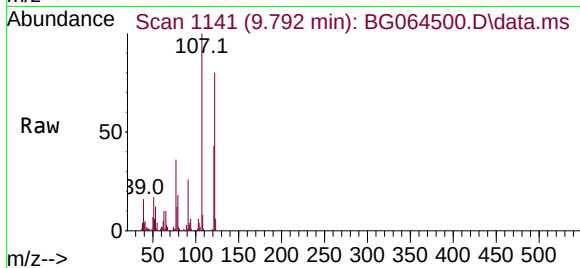




#27
2,4-Dimethylphenol
Concen: 55.860 ng
RT: 9.792 min Scan# 1141
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

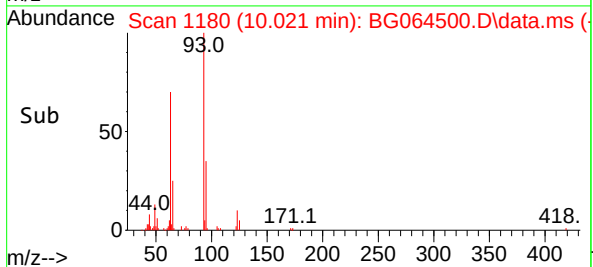
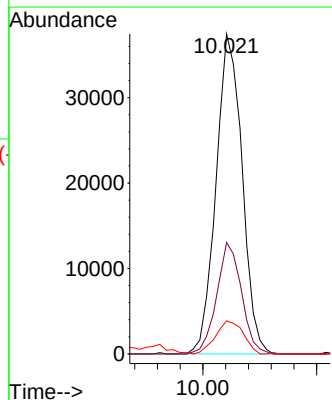
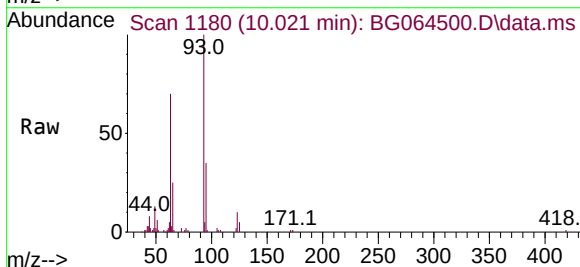
Instrument :
BNA_G
ClientSampleId :
PB170080BS

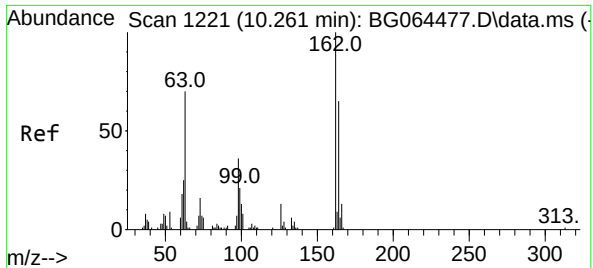
Tgt Ion	Ratio	Lower	Upper
122	100		
107	125.5	98.3	147.5
121	54.6	44.7	67.1



#28
bis(2-Chloroethoxy)methane
Concen: 46.744 ng
RT: 10.021 min Scan# 1180
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.8	26.5	39.7
123	10.4	8.9	13.3





#29

2,4-Dichlorophenol

Concen: 49.633 ng

RT: 10.262 min Scan# 1221

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Instrument :

BNA_G

ClientSampleId :

PB170080BS

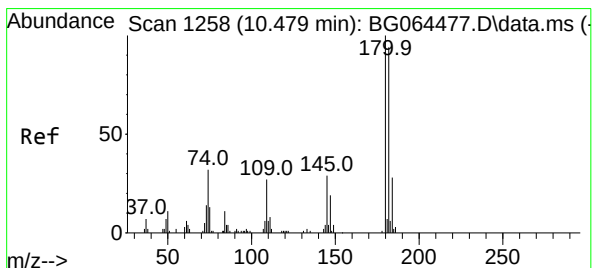
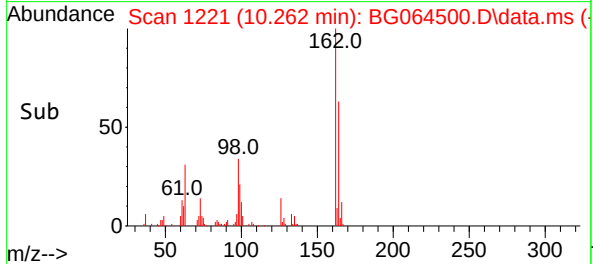
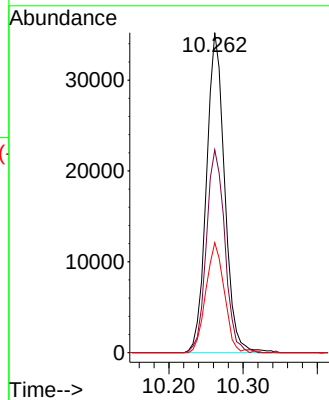
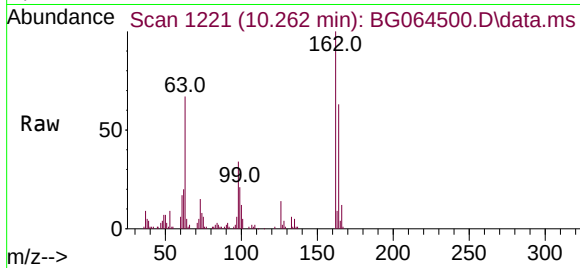
Tgt Ion:162 Resp: 59912

Ion Ratio Lower Upper

162 100

164 63.4 45.4 85.4

98 34.3 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 50.228 ng

RT: 10.473 min Scan# 1257

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

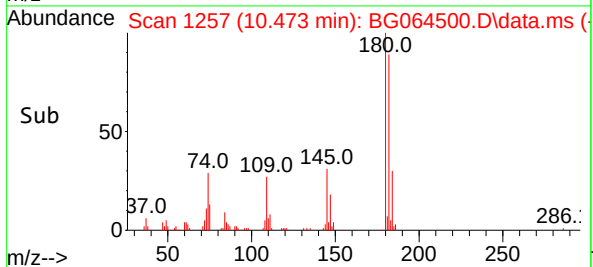
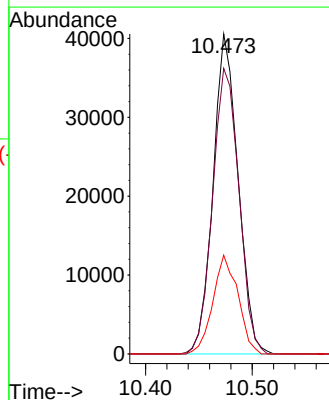
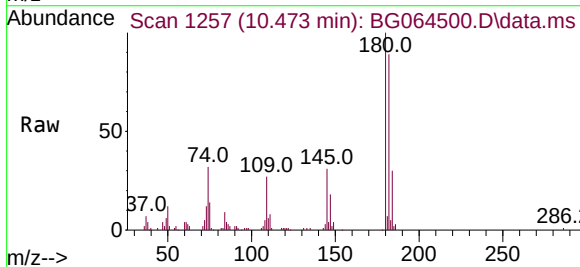
Tgt Ion:180 Resp: 66109

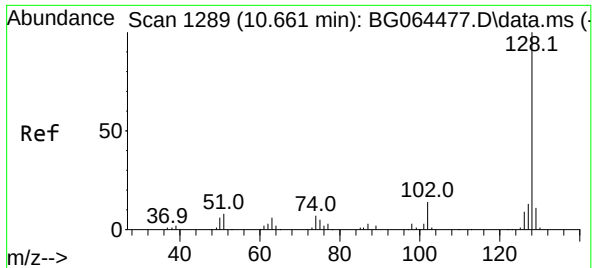
Ion Ratio Lower Upper

180 100

182 89.2 75.4 113.2

145 30.8 23.2 34.8

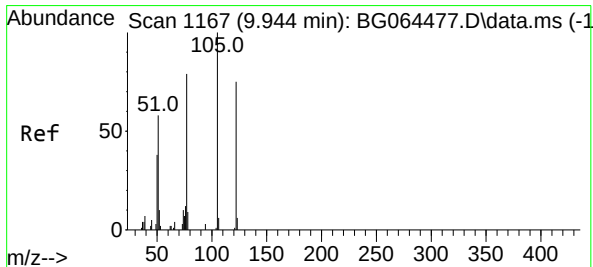
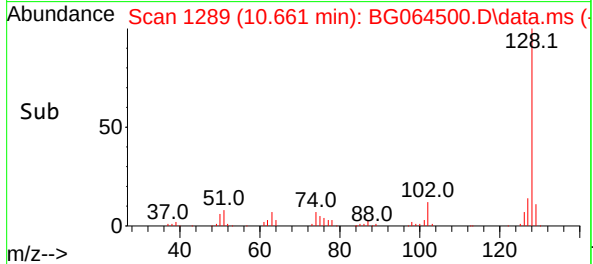
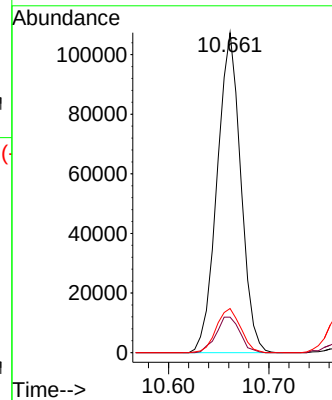
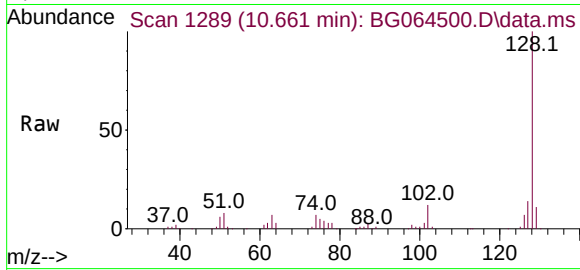




#31
Naphthalene
Concen: 46.115 ng
RT: 10.661 min Scan# 1169
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

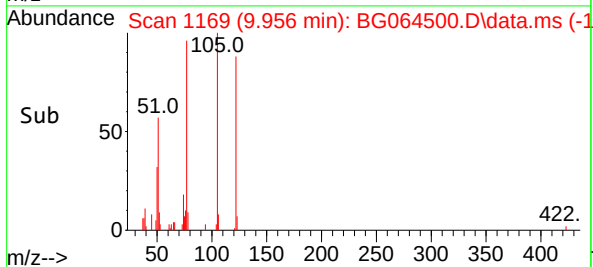
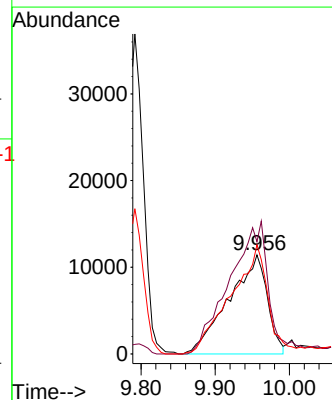
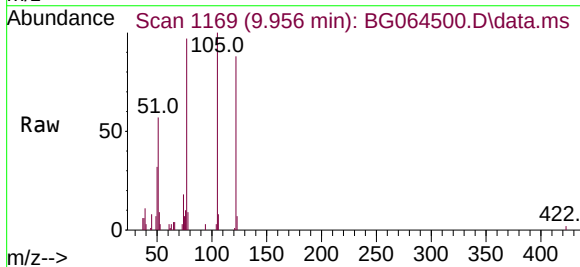
Instrument :
BNA_G
ClientSampleId :
PB170080BS

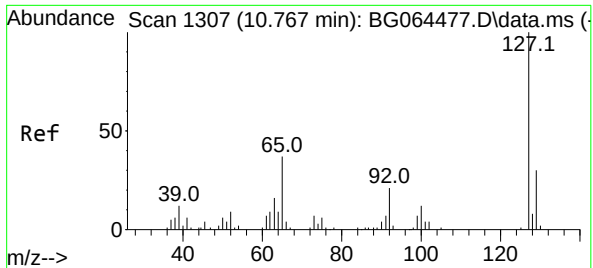
Tgt Ion:128 Resp: 175829
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.8 10.2 15.2



#32
Benzoic acid
Concen: 51.298 ng
RT: 9.956 min Scan# 1169
Delta R.T. 0.068 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:122 Resp: 41112
Ion Ratio Lower Upper
122 100
105 113.4 113.9 153.9#
77 110.2 86.1 126.1

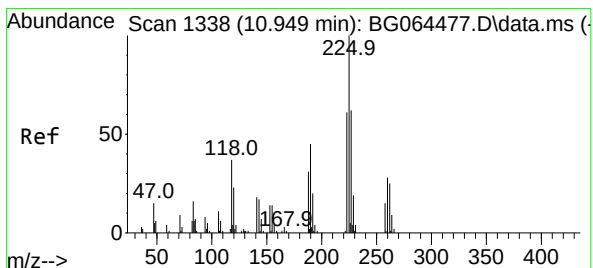
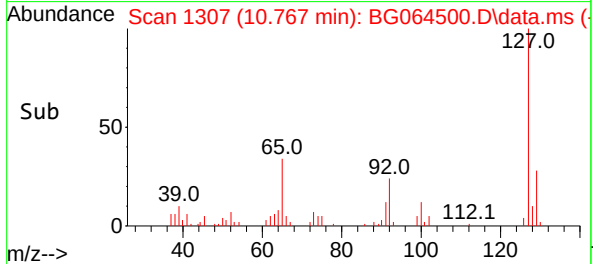
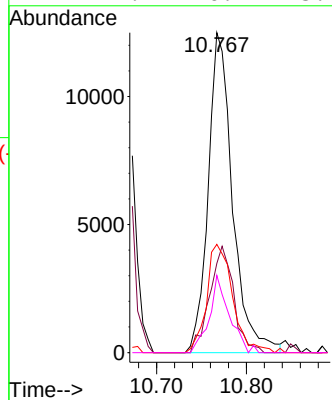
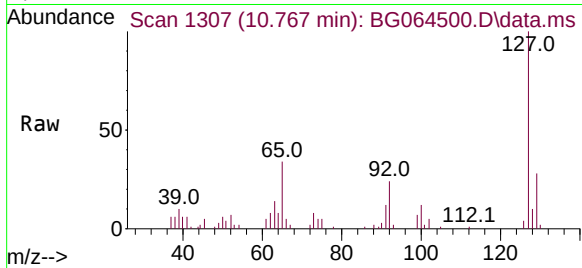




#33
4-Chloroaniline
Concen: 16.127 ng
RT: 10.767 min Scan# 1307
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

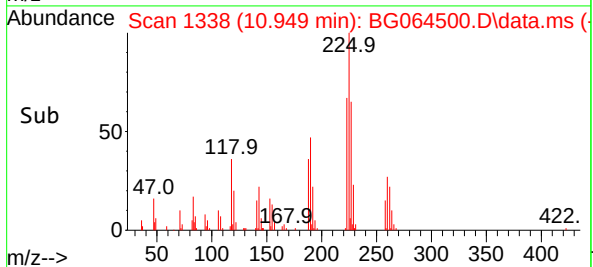
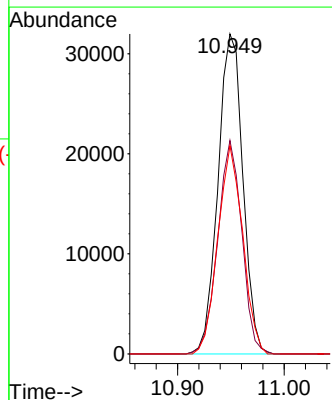
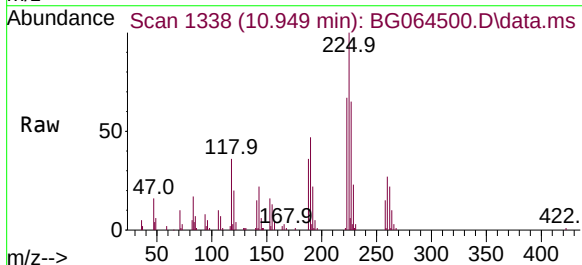
Instrument :
BNA_G
ClientSampleId :
PB170080BS

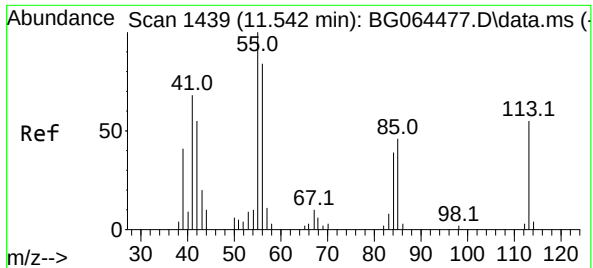
Tgt Ion:127	Resp:	23595
Ion	Ratio	Lower Upper
127	100	
129	27.9	24.2 36.4
65	33.8	29.6 44.4
92	24.1	16.7 25.1



#34
Hexachlorobutadiene
Concen: 46.045 ng
RT: 10.949 min Scan# 1338
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:225	Resp:	51901
Ion	Ratio	Lower Upper
225	100	
223	66.7	49.0 73.6
227	65.0	49.9 74.9

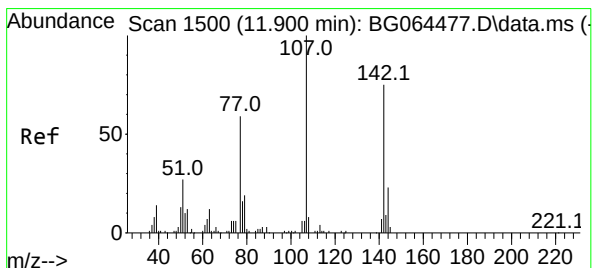
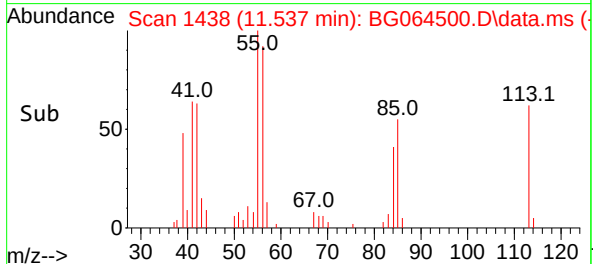
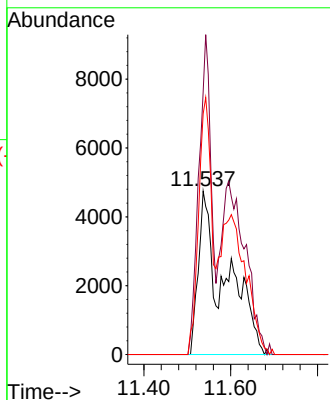
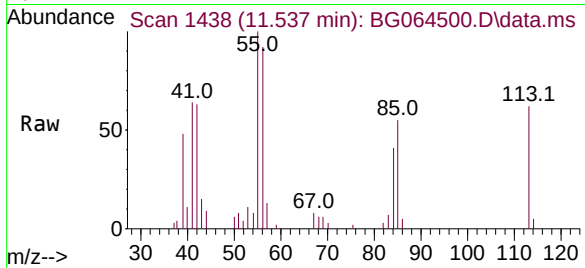




#35
Caprolactam
Concen: 49.066 ng m
RT: 11.537 min Scan# 1438
Delta R.T. 0.026 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

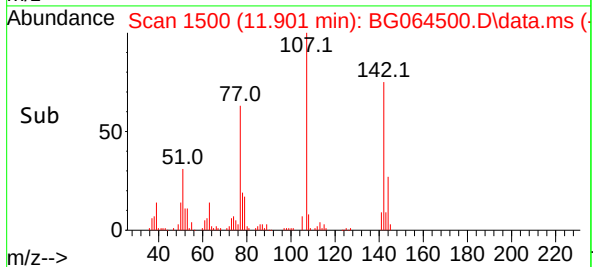
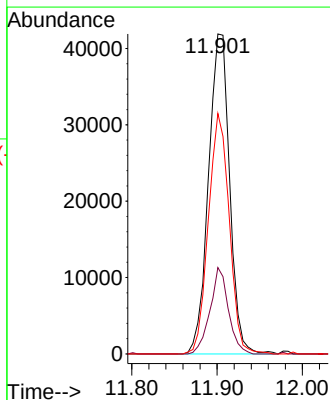
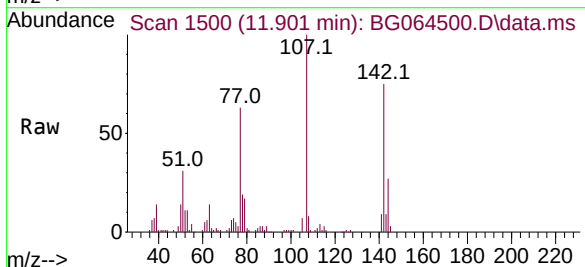
Instrument :
BNA_G
ClientSampleId :
PB170080BS

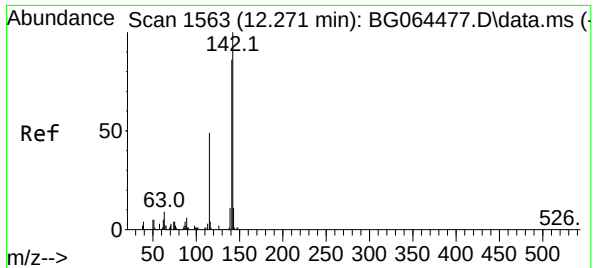
Tgt Ion	Ratio	Lower	Upper
113	100		
55	160.6	162.0	202.0#
56	147.3	134.6	174.6



#36
4-Chloro-3-methylphenol
Concen: 49.128 ng
RT: 11.901 min Scan# 1500
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.0	18.7	28.1
142	75.1	60.2	90.2





#37

2-Methylnaphthalene

Concen: 42.884 ng

RT: 12.271 min Scan# 1563

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Instrument :

BNA_G

ClientSampleId :

PB170080BS

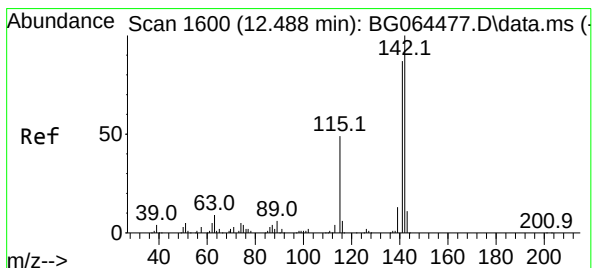
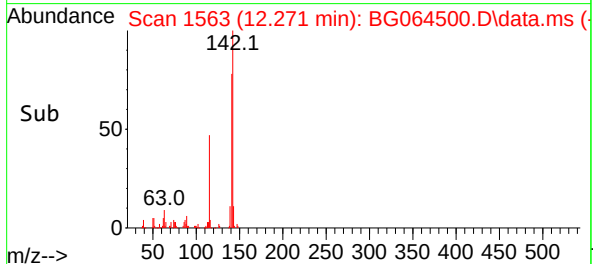
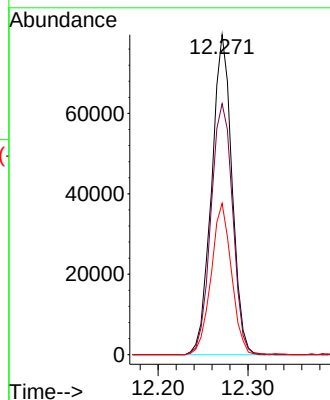
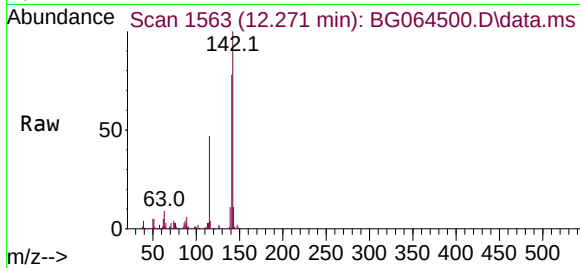
Tgt Ion:142 Resp: 125512

Ion Ratio Lower Upper

142 100

141 78.4 68.7 103.1

115 47.3 39.3 58.9



#38

1-Methylnaphthalene

Concen: 44.117 ng

RT: 12.489 min Scan# 1600

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

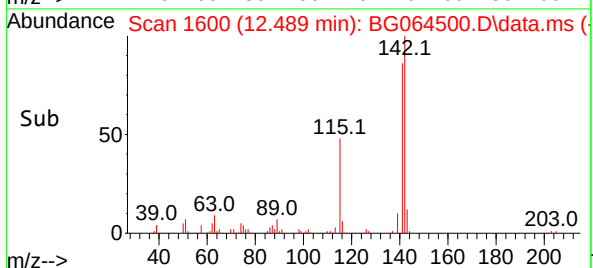
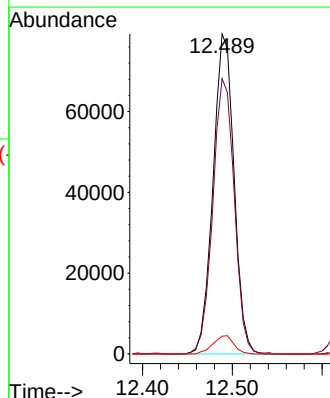
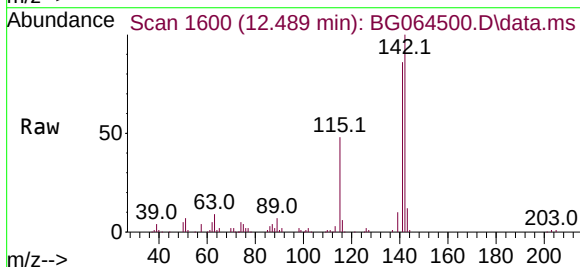
Tgt Ion:142 Resp: 128751

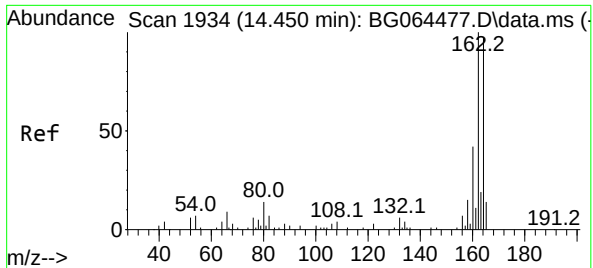
Ion Ratio Lower Upper

142 100

141 86.0 69.8 104.8

116 5.5 4.6 6.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1934

Delta R.T. 0.003 min

Lab File: BG064500.D

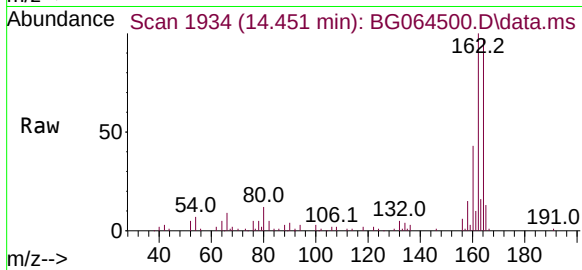
Acq: 14 Oct 2025 14:38

Instrument :

BNA_G

ClientSampleId :

PB170080BS



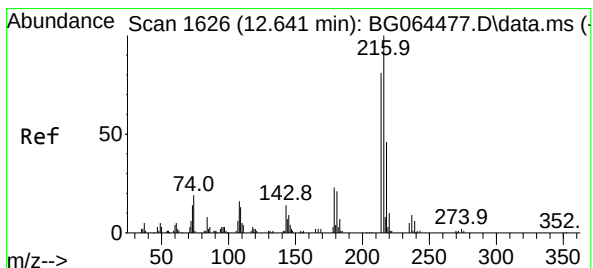
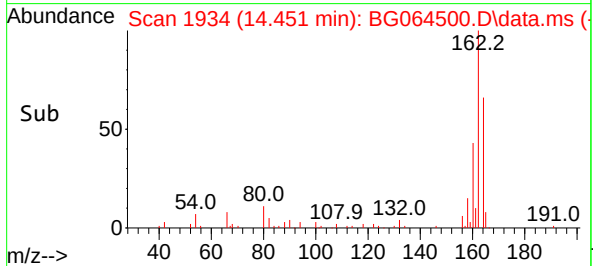
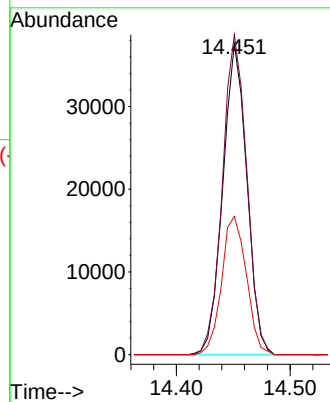
Tgt Ion:164 Resp: 55179

Ion Ratio Lower Upper

164 100

162 103.0 82.2 123.2

160 44.5 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.928 ng

RT: 12.641 min Scan# 1626

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Tgt Ion:216 Resp: 94299

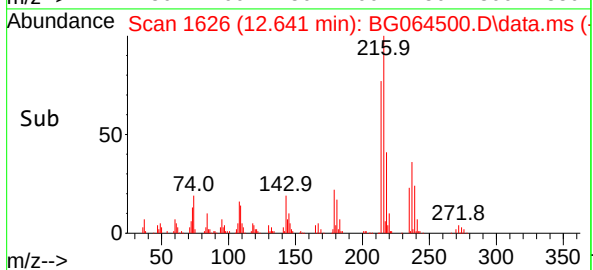
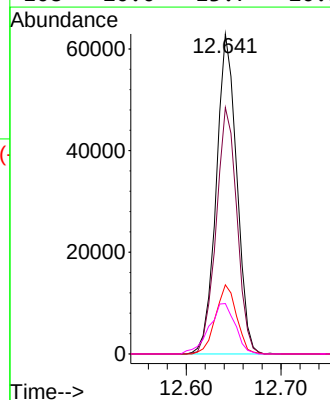
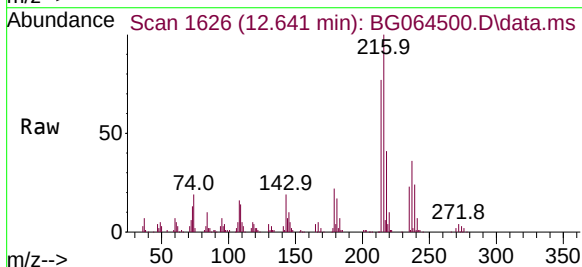
Ion Ratio Lower Upper

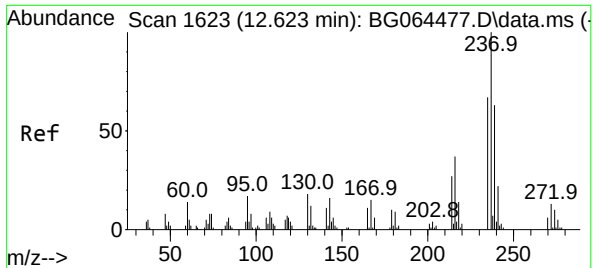
216 100

214 78.1 62.5 93.7

179 22.1 17.0 25.6

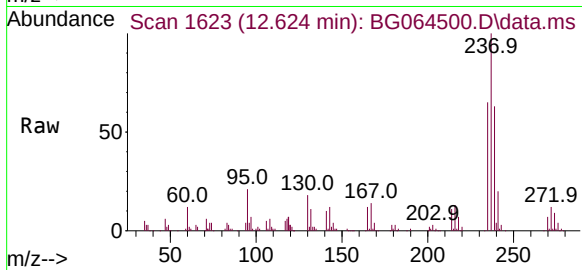
108 20.0 13.7 20.5



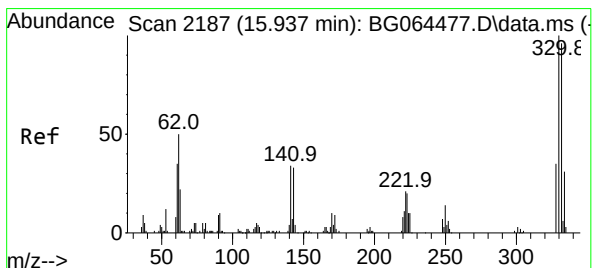
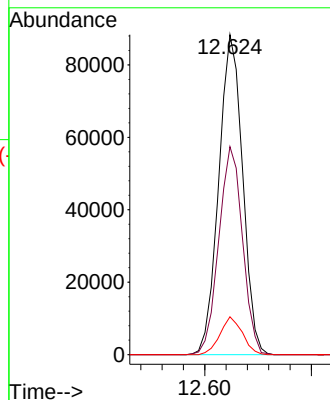
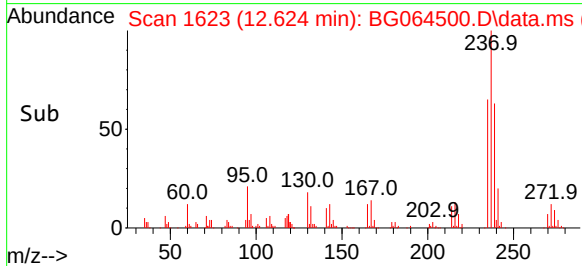


#41
Hexachlorocyclopentadiene
Concen: 147.638 ng
RT: 12.624 min Scan# 1623
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

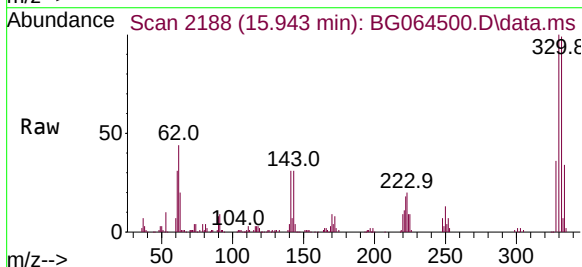
Instrument :
BNA_G
ClientSampleId :
PB170080BS



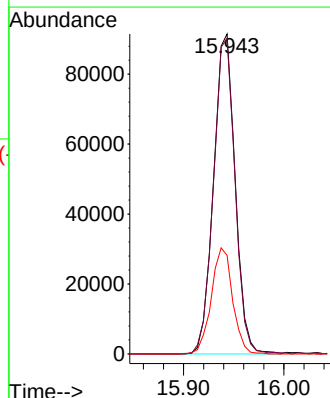
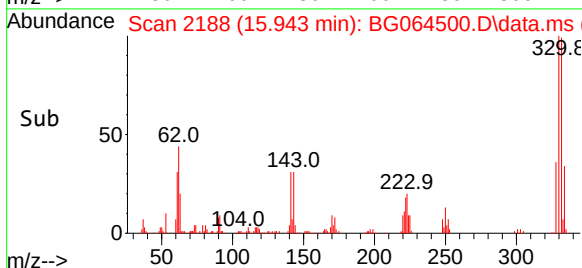
Tgt Ion	Ratio	Lower	Upper
237	100		
235	65.0	46.9	86.9
272	11.8	0.0	32.6

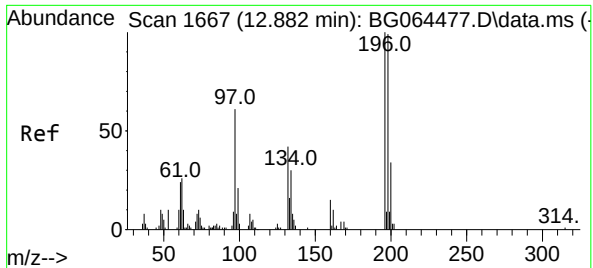


#42
2,4,6-Tribromophenol
Concen: 136.355 ng
RT: 15.943 min Scan# 2188
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38



Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.4	116.0
141	32.7	25.8	38.6

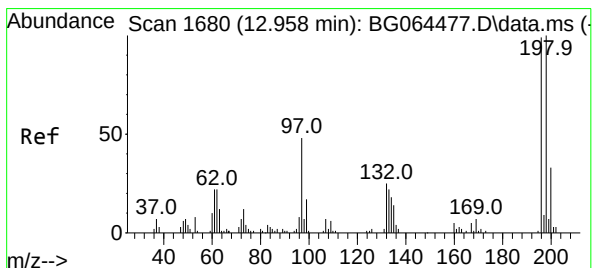
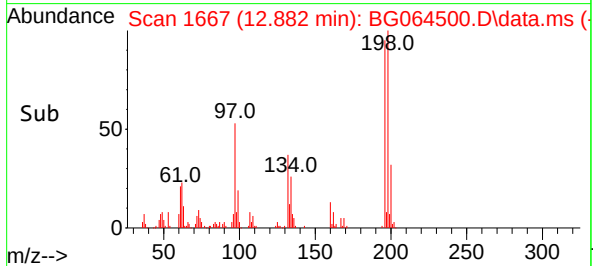
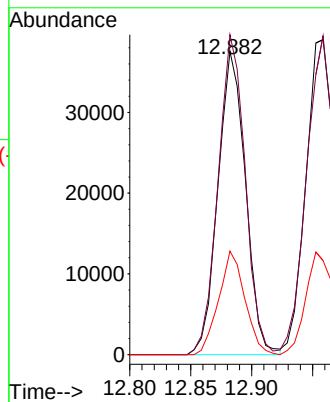
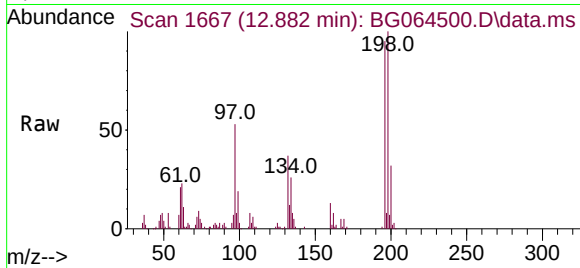




#43
2,4,6-Trichlorophenol
Concen: 51.854 ng
RT: 12.882 min Scan# 1667
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

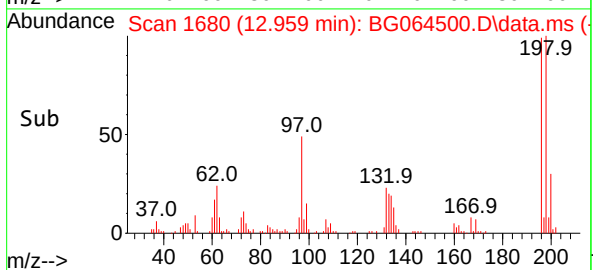
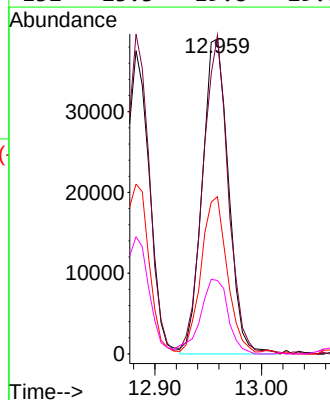
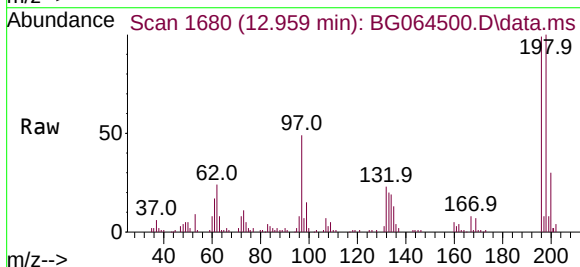
Instrument :
BNA_G
ClientSampleId :
PB170080BS

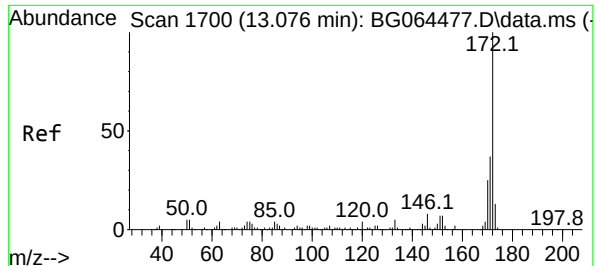
Tgt Ion:	196	Resp:	59058
Ion Ratio	Lower	Upper	
196	100		
198	105.5	79.3	118.9
200	34.1	27.4	41.2



#44
2,4,5-Trichlorophenol
Concen: 52.235 ng
RT: 12.959 min Scan# 1680
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:	196	Resp:	66418
Ion Ratio	Lower	Upper	
196	100		
198	101.2	80.3	120.5
97	49.9	39.4	59.0
132	23.3	19.8	29.8





#45

2-Fluorobiphenyl

Concen: 86.974 ng

RT: 13.076 min Scan# 1700

Delta R.T. 0.009 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Instrument :

BNA_G

ClientSampleId :

PB170080BS

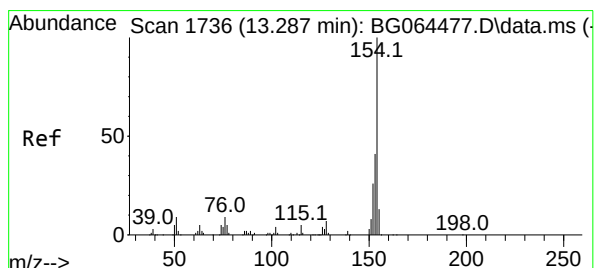
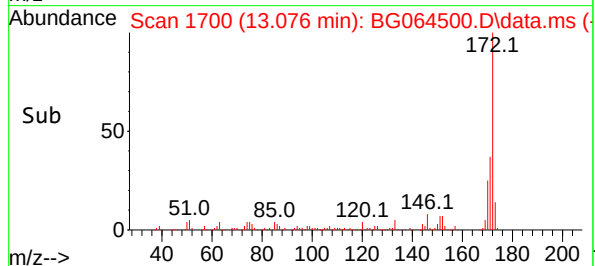
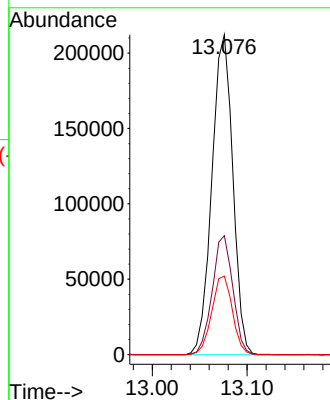
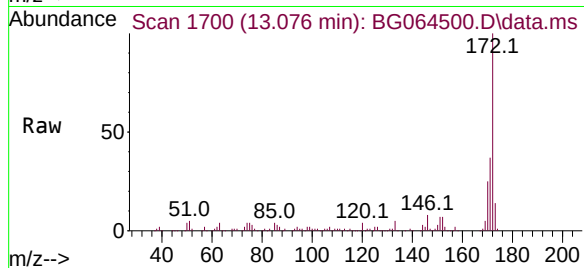
Tgt Ion:172 Resp: 325586

Ion Ratio Lower Upper

172 100

171 37.2 29.6 44.4

170 24.5 20.2 30.2



#46

1,1'-Biphenyl

Concen: 53.419 ng

RT: 13.288 min Scan# 1736

Delta R.T. 0.009 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

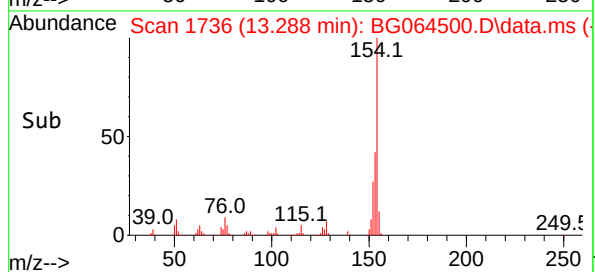
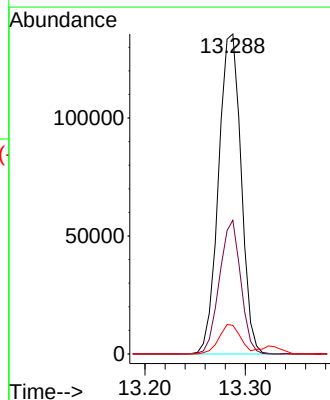
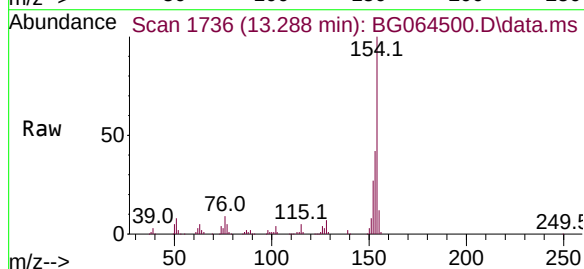
Tgt Ion:154 Resp: 212003

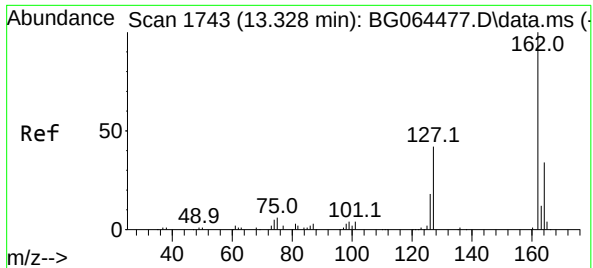
Ion Ratio Lower Upper

154 100

153 41.8 20.7 60.7

76 8.9 0.0 29.3

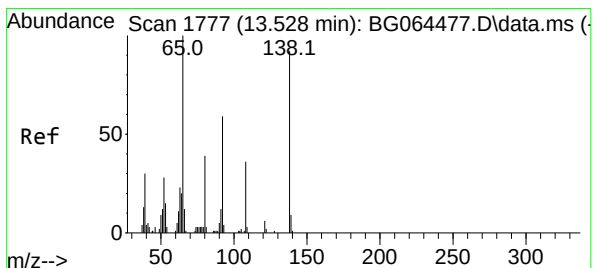
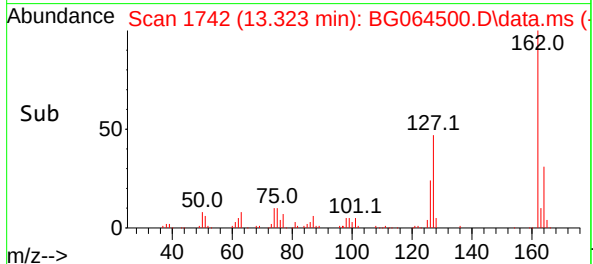
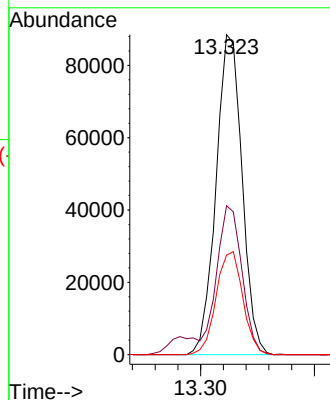
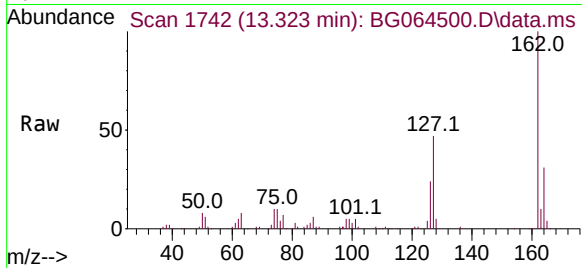




#47
2-Chloronaphthalene
Concen: 47.456 ng
RT: 13.323 min Scan# 1743
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

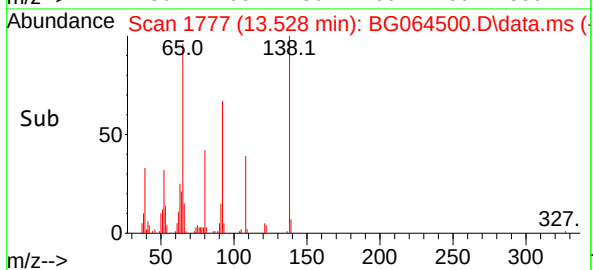
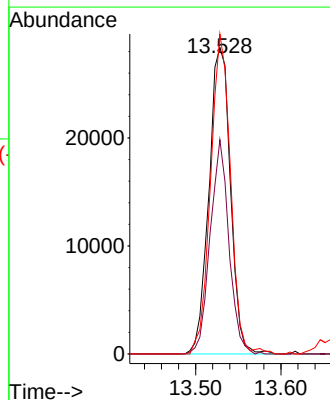
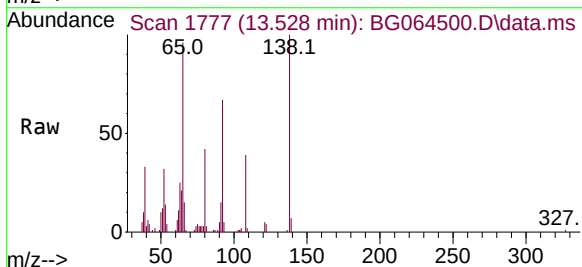
Instrument :
BNA_G
ClientSampleId :
PB170080BS

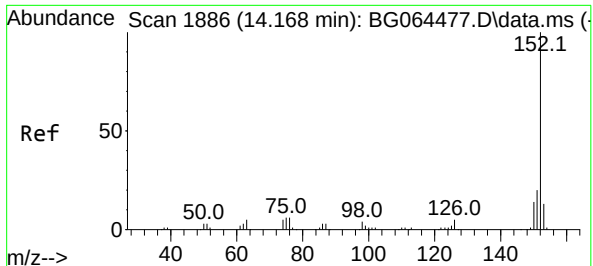
Tgt Ion:162 Resp: 140615
Ion Ratio Lower Upper
162 100
127 46.5 35.8 53.8
164 31.1 27.2 40.8



#48
2-Nitroaniline
Concen: 49.102 ng
RT: 13.528 min Scan# 1777
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 65 Resp: 49657
Ion Ratio Lower Upper
65 100
92 69.9 47.0 70.6
138 104.5 73.5 110.3





#49

Acenaphthylene

Concen: 55.177 ng

RT: 14.175 min Scan# 1887

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Instrument :

BNA_G

ClientSampleId :

PB170080BS

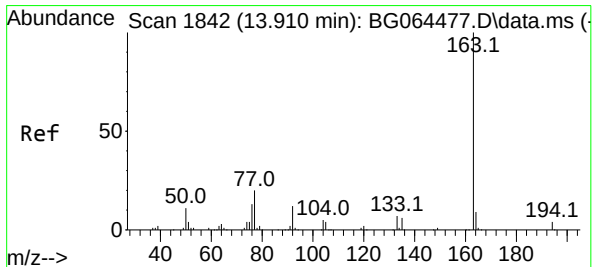
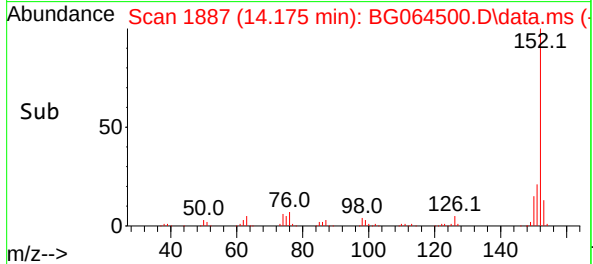
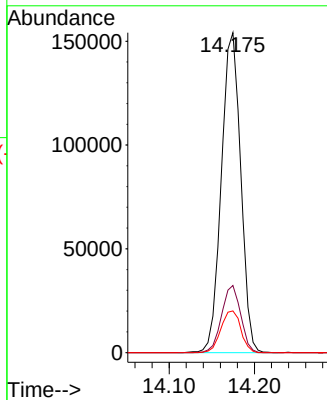
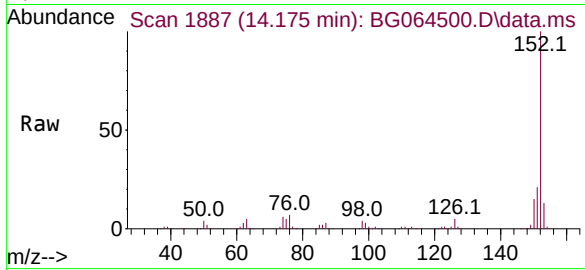
Tgt Ion:152 Resp: 242700

Ion Ratio Lower Upper

152 100

151 21.0 15.8 23.6

153 13.0 10.6 15.8



#50

Dimethylphthalate

Concen: 46.845 ng

RT: 13.910 min Scan# 1842

Delta R.T. 0.009 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

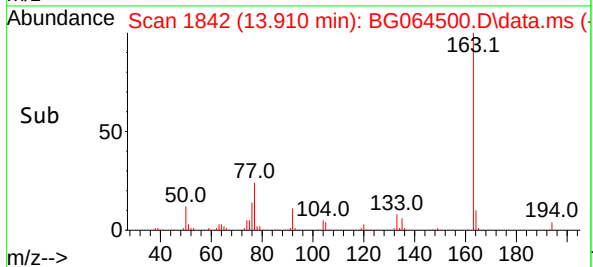
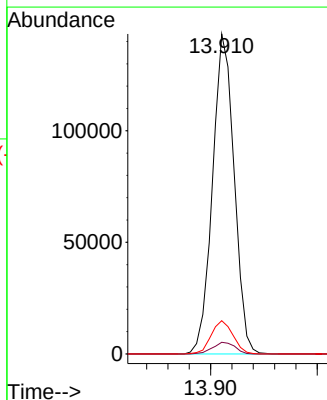
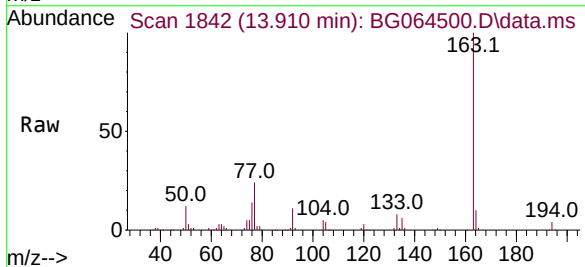
Tgt Ion:163 Resp: 202447

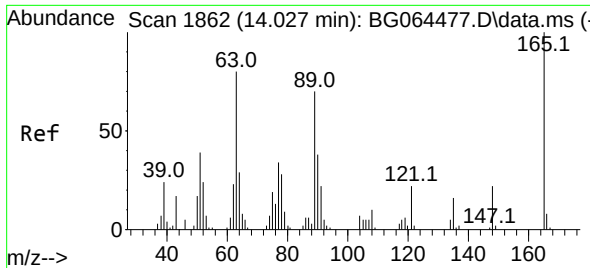
Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

164 10.4 7.4 11.0

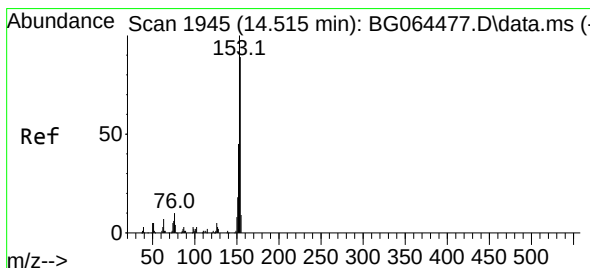
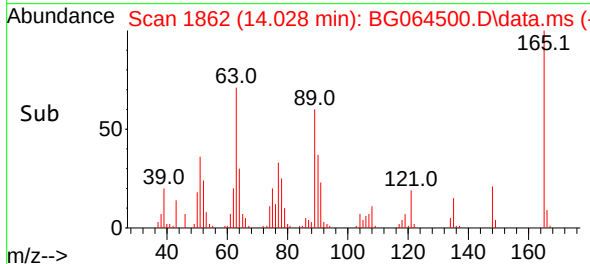
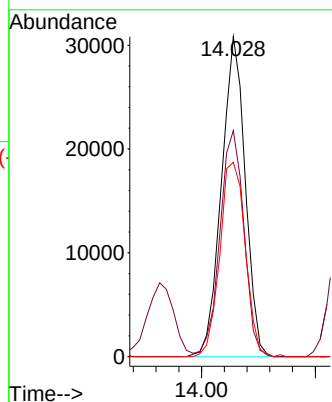
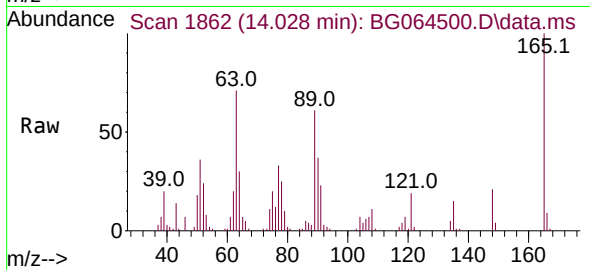




#51
2,6-Dinitrotoluene
Concen: 49.591 ng
RT: 14.028 min Scan# 1862
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

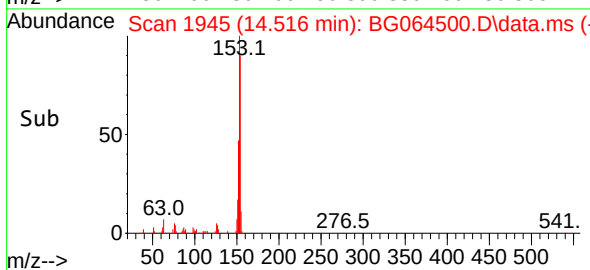
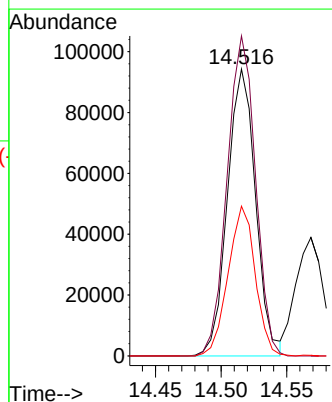
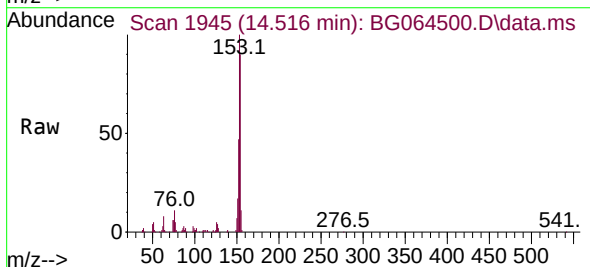
Instrument :
BNA_G
ClientSampleId :
PB170080BS

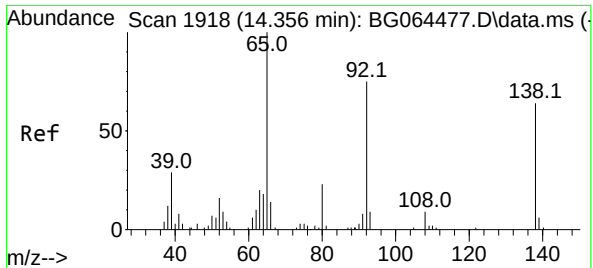
Tgt Ion:165 Resp: 44644
Ion Ratio Lower Upper
165 100
63 70.6 63.9 95.9
89 60.7 56.1 84.1



#52
Acenaphthene
Concen: 46.088 ng
RT: 14.516 min Scan# 1945
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:154 Resp: 140842
Ion Ratio Lower Upper
154 100
153 111.6 90.2 135.4
152 52.2 40.2 60.4

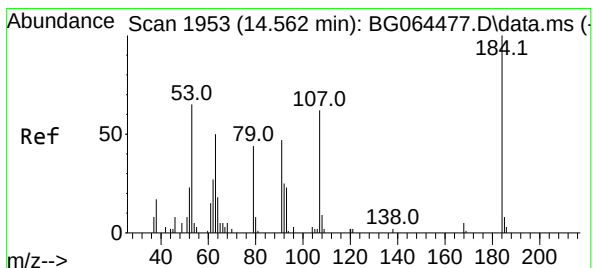
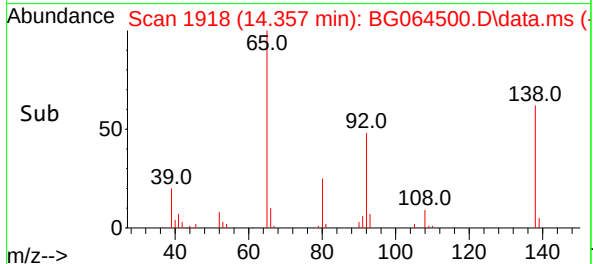
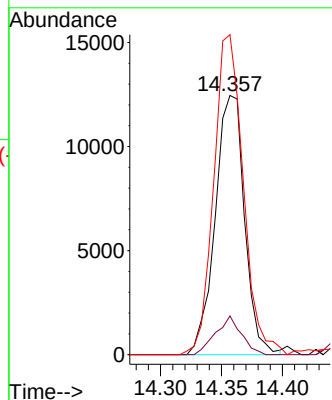
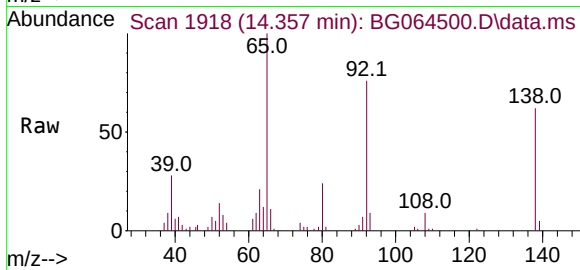




#53
3-Nitroaniline
Concen: 25.158 ng
RT: 14.357 min Scan# 1918
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

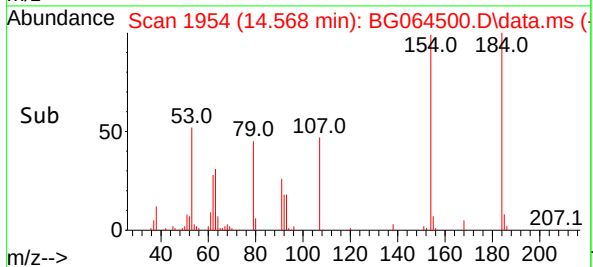
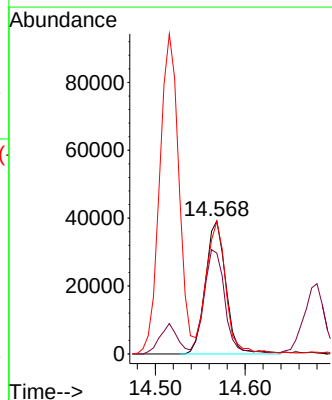
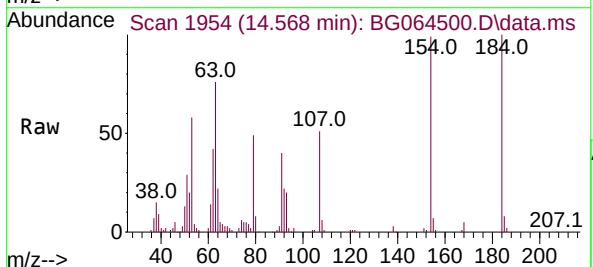
Instrument :
BNA_G
ClientSampleId :
PB170080BS

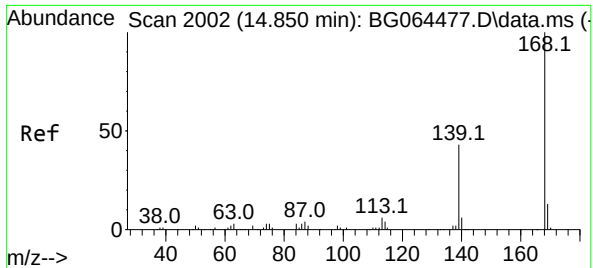
Tgt Ion:138 Resp: 20887
Ion Ratio Lower Upper
138 100
108 14.9 10.6 15.8
92 123.5 93.2 139.8



#54
2,4-Dinitrophenol
Concen: 94.903 ng
RT: 14.568 min Scan# 1954
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:184 Resp: 61951
Ion Ratio Lower Upper
184 100
63 75.7 69.0 103.4
154 99.3 95.6 143.4

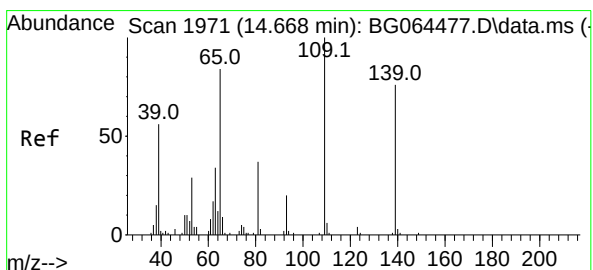
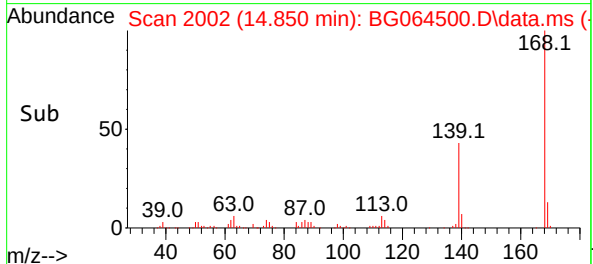
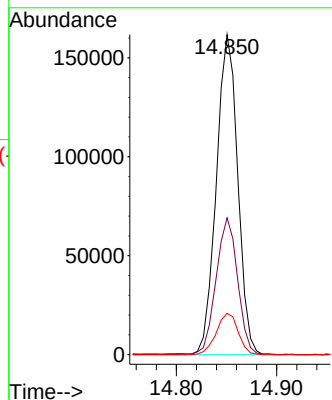
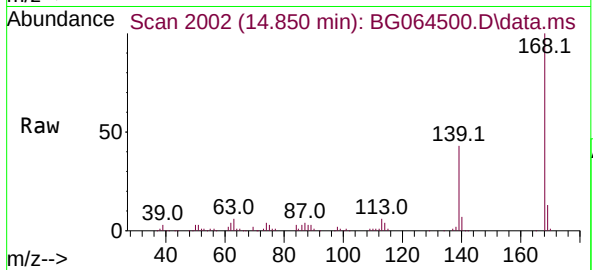




#55
Dibenzofuran
Concen: 47.503 ng
RT: 14.850 min Scan# 2002
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

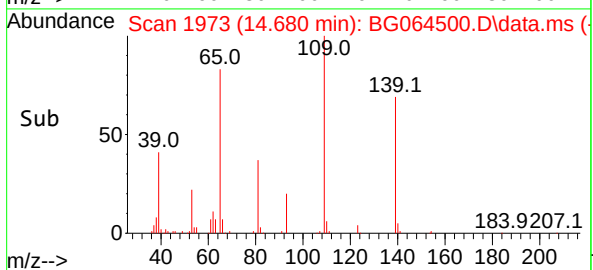
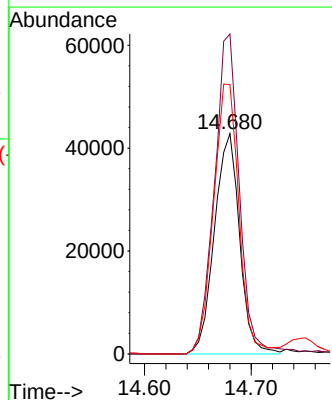
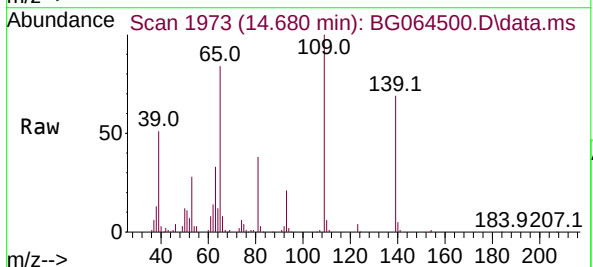
Instrument :
BNA_G
ClientSampleId :
PB170080BS

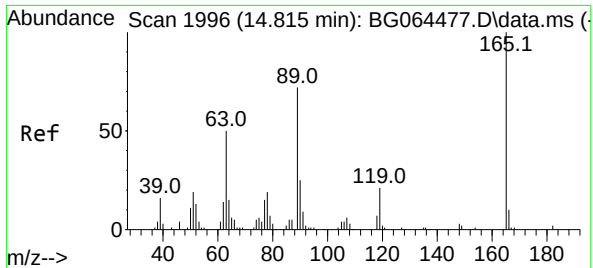
Tgt Ion:168 Resp: 239690
Ion Ratio Lower Upper
168 100
139 42.7 34.0 51.0
169 12.9 10.2 15.2



#56
4-Nitrophenol
Concen: 107.450 ng
RT: 14.680 min Scan# 1973
Delta R.T. 0.015 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

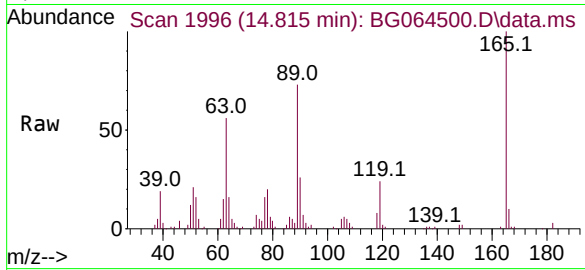
Tgt Ion:139 Resp: 70237
Ion Ratio Lower Upper
139 100
109 145.3 111.8 151.8
65 122.2 91.1 131.1



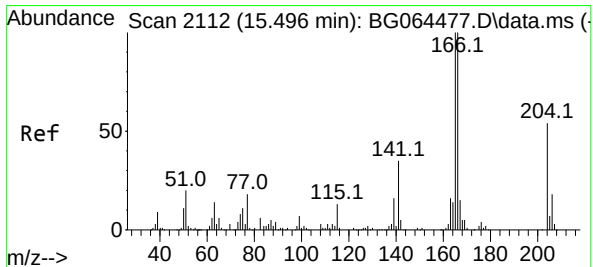
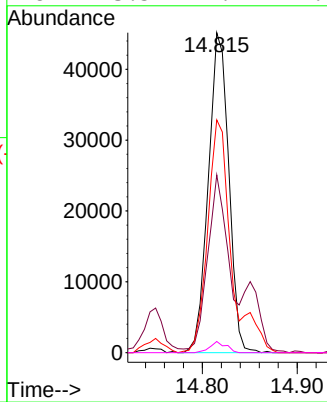
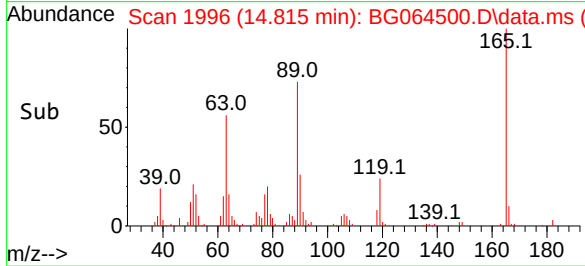


#57
2,4-Dinitrotoluene
Concen: 49.218 ng
RT: 14.815 min Scan# 1996
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

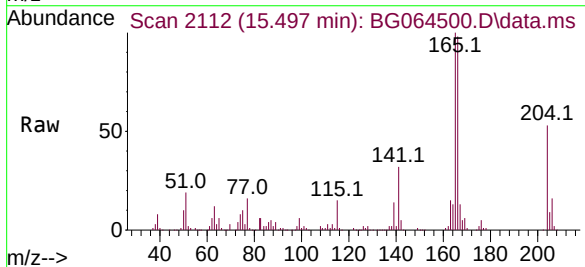
Instrument :
BNA_G
ClientSampleId :
PB170080BS



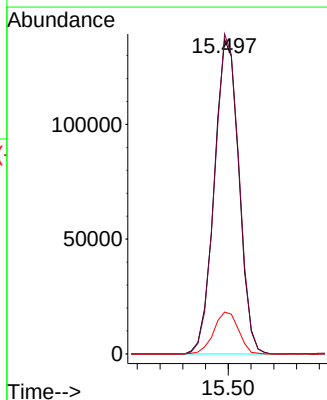
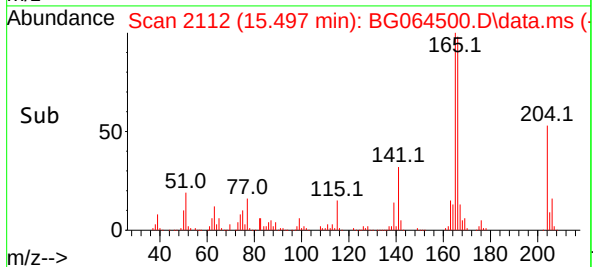
Tgt Ion:165 Resp: 67734
Ion Ratio Lower Upper
165 100
63 55.5 40.4 60.6
89 72.7 57.3 85.9
182 3.5 1.9 2.9#

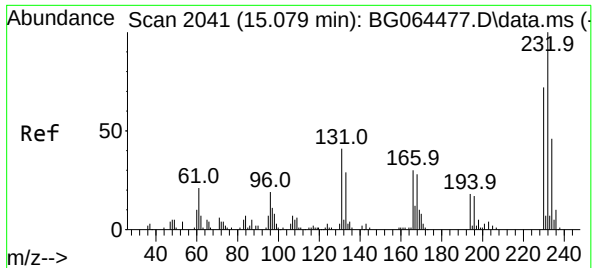


#58
Fluorene
Concen: 49.018 ng
RT: 15.497 min Scan# 2112
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38



Tgt Ion:166 Resp: 205619
Ion Ratio Lower Upper
166 100
165 101.8 79.8 119.6
167 13.3 11.7 17.5

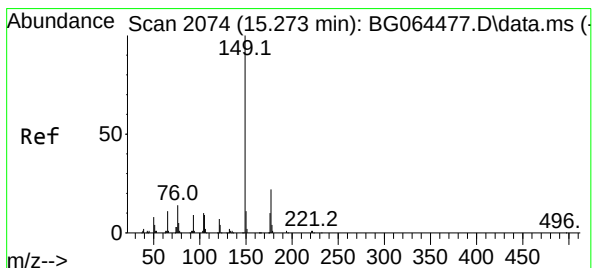
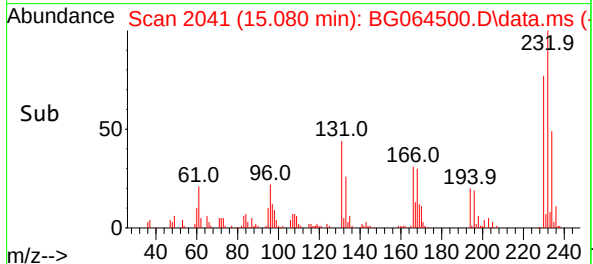
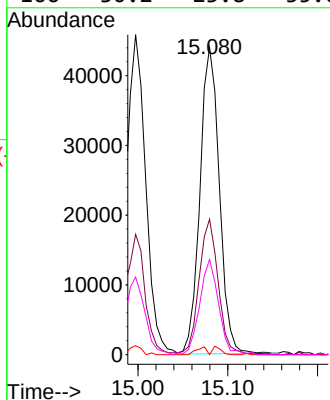
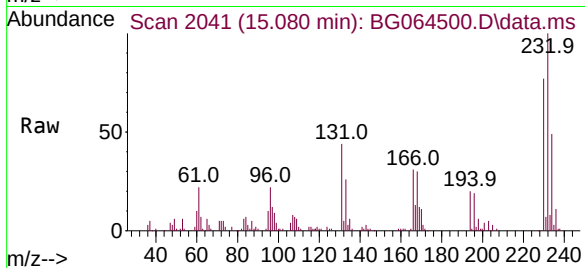




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.936 ng
RT: 15.080 min Scan# 2041
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

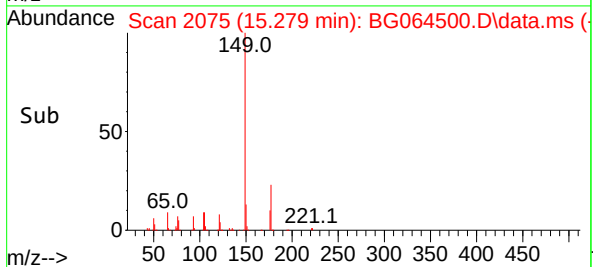
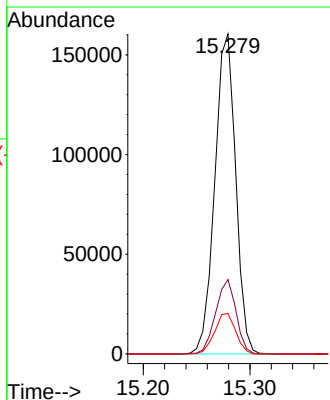
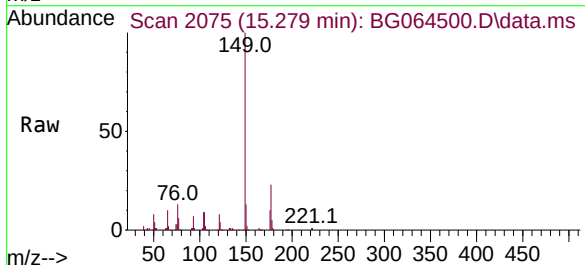
Instrument :
BNA_G
ClientSampleId :
PB170080BS

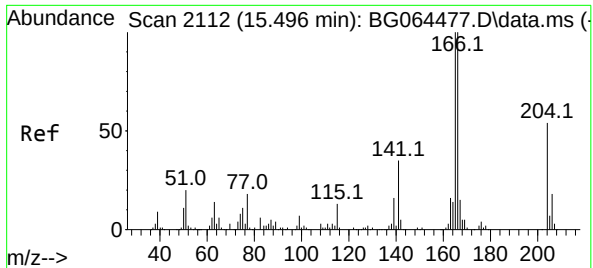
Tgt Ion:232 Resp: 66097
Ion Ratio Lower Upper
232 100
131 43.6 35.0 52.4
130 1.1 2.0 3.0#
166 30.2 23.8 35.6



#60
Diethylphthalate
Concen: 47.148 ng
RT: 15.279 min Scan# 2075
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:149 Resp: 218582
Ion Ratio Lower Upper
149 100
177 23.2 17.4 26.0
150 12.6 9.1 13.7

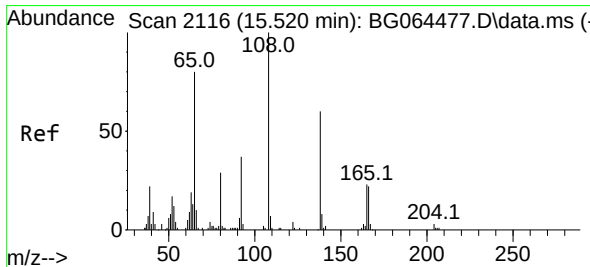
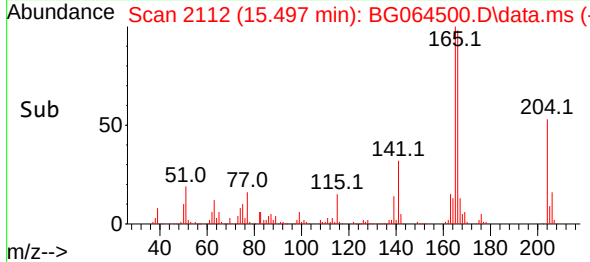
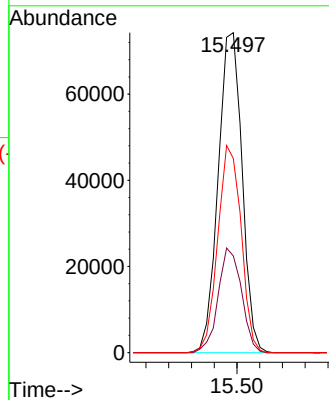
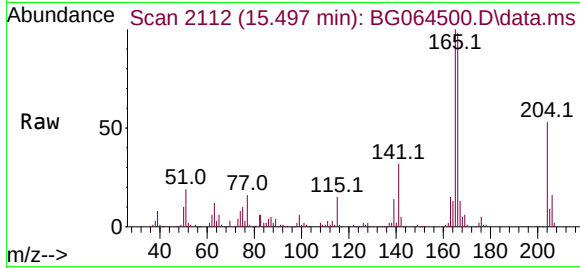




#61
4-Chlorophenyl-phenylether
Concen: 47.375 ng
RT: 15.497 min Scan# 2112
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

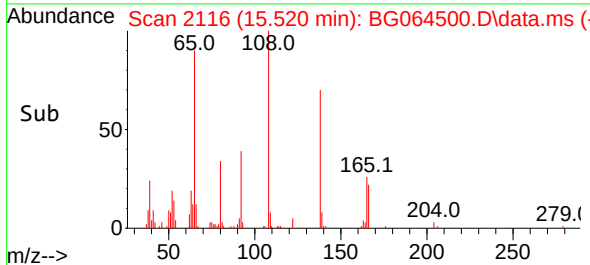
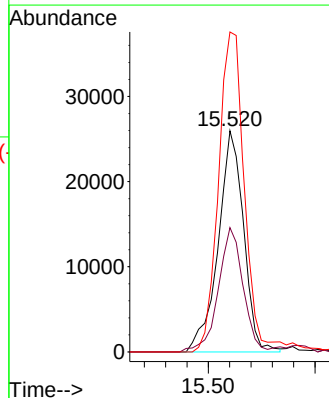
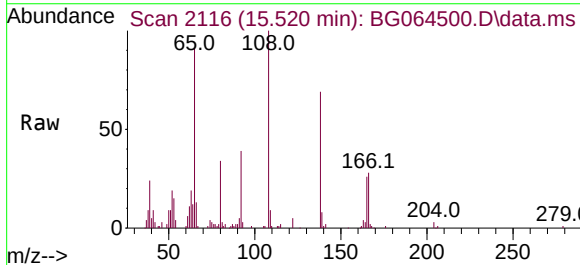
Instrument :
BNA_G
ClientSampleId :
PB170080BS

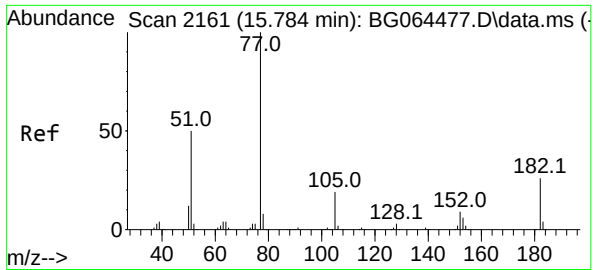
Tgt Ion:204 Resp: 108493
Ion Ratio Lower Upper
204 100
206 30.2 27.1 40.7
141 60.7 51.5 77.3



#62
4-Nitroaniline
Concen: 49.730 ng
RT: 15.520 min Scan# 2116
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:138 Resp: 43033
Ion Ratio Lower Upper
138 100
92 56.2 42.3 82.3
108 144.8 147.7 187.7#

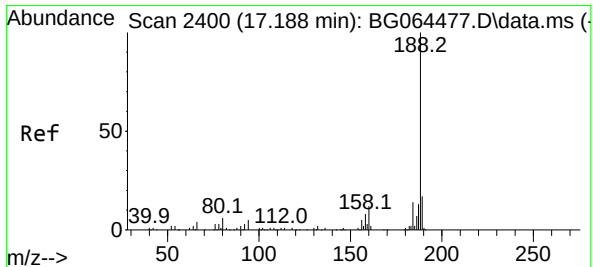
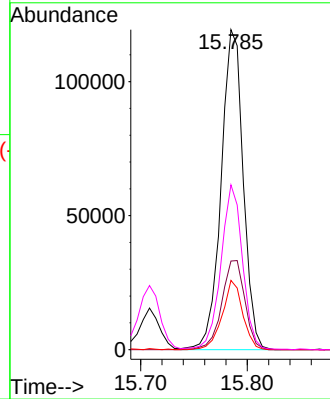
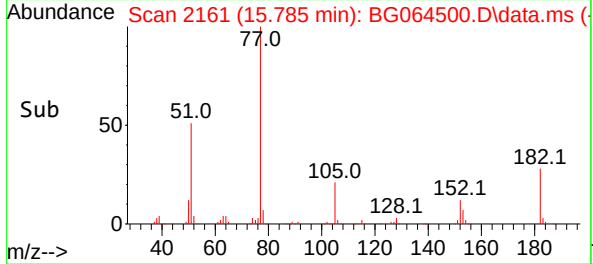
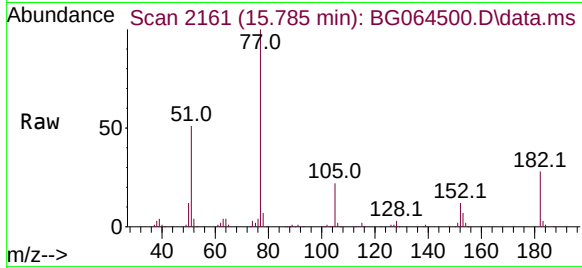




#63
Azobenzene
Concen: 47.954 ng
RT: 15.785 min Scan# 2161
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

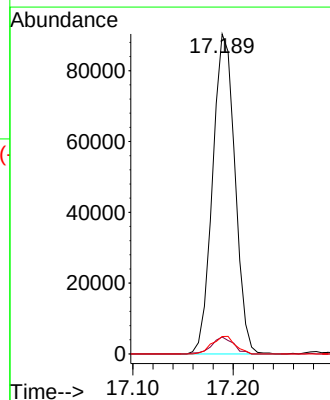
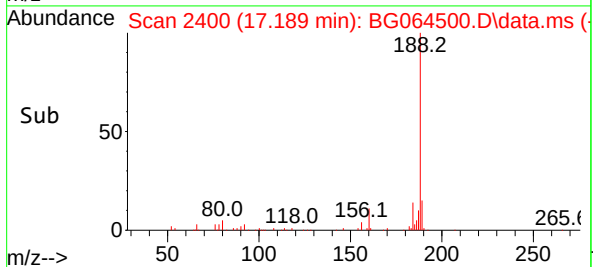
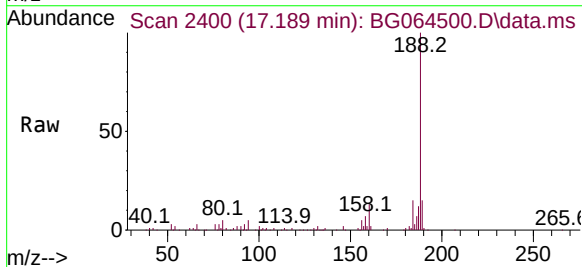
Instrument :
BNA_G
ClientSampleId :
PB170080BS

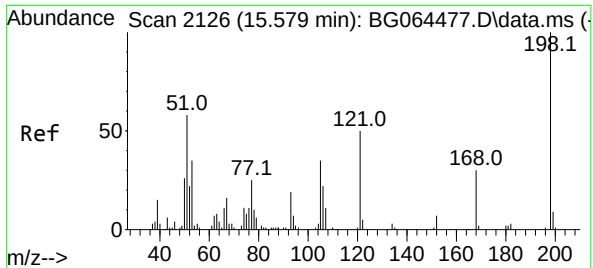
Tgt Ion:	77	Resp:	172174
Ion	Ratio	Lower	Upper
77	100		
182	27.7	6.3	46.3
105	21.6	0.0	38.7
51	51.5	30.3	70.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:	188	Resp:	139952
Ion	Ratio	Lower	Upper
188	100		
94	5.3	3.7	5.5
80	5.5	4.5	6.7

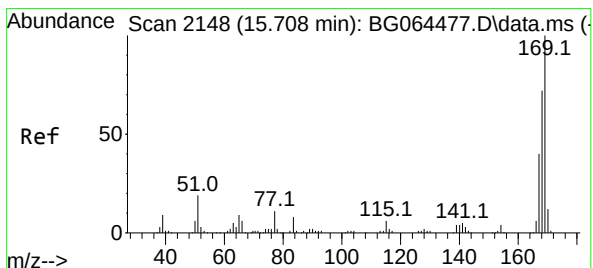
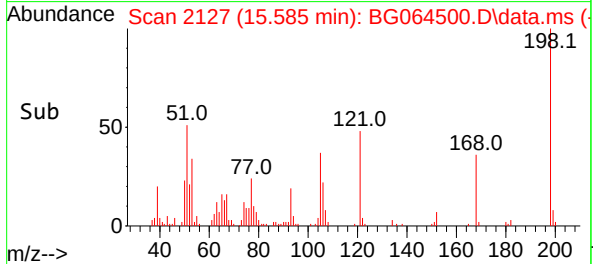
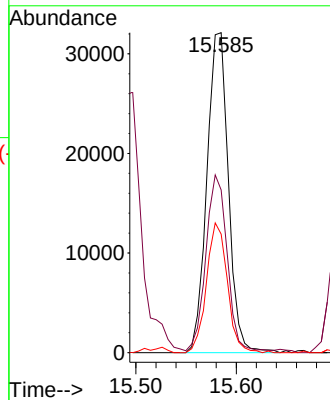
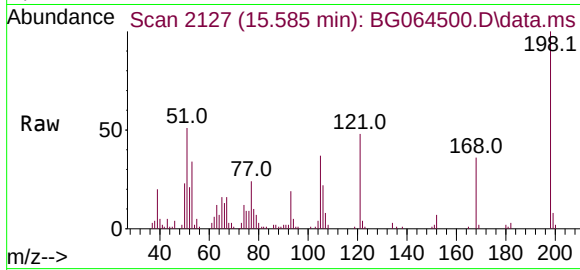




#65
4,6-Dinitro-2-methylphenol
Concen: 49.058 ng
RT: 15.585 min Scan# 2126
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

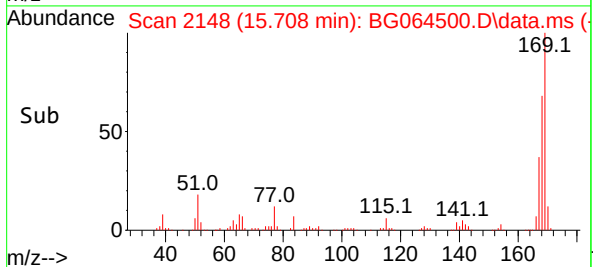
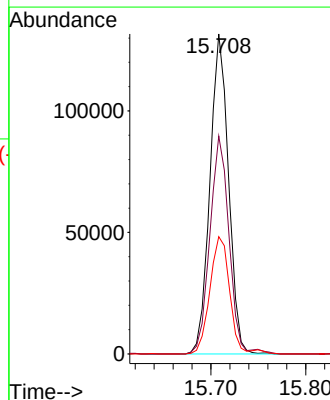
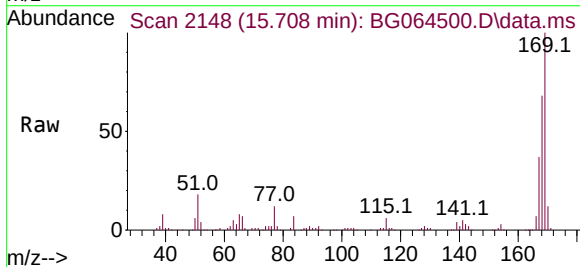
Instrument :
BNA_G
ClientSampleId :
PB170080BS

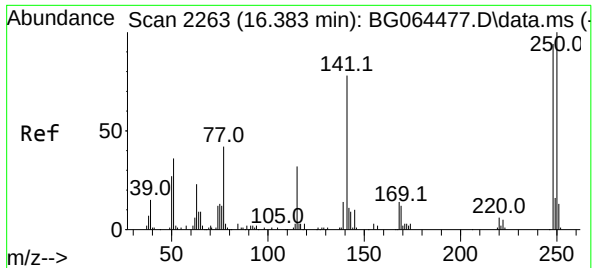
Tgt Ion:198 Resp: 47804
Ion Ratio Lower Upper
198 100
51 50.8 39.0 79.0
105 37.0 15.8 55.8



#66
n-Nitrosodiphenylamine
Concen: 47.934 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:169 Resp: 179143
Ion Ratio Lower Upper
169 100
168 68.1 57.8 86.6
167 36.6 31.7 47.5

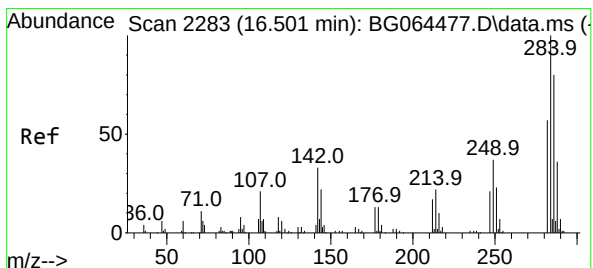
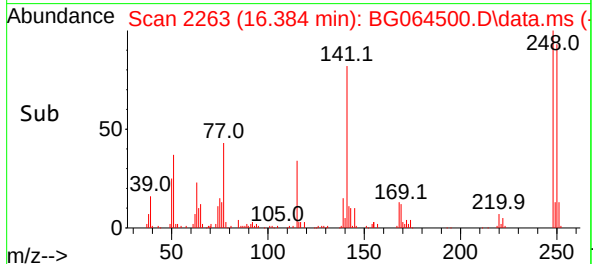
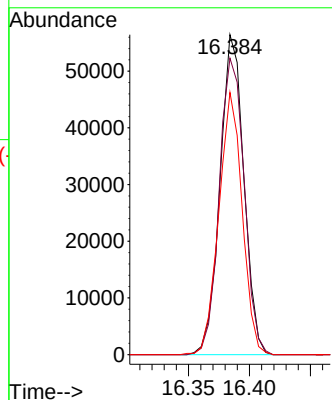
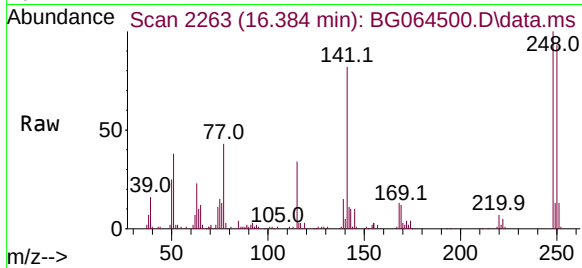




#67
4-Bromophenyl-phenylether
Concen: 46.545 ng
RT: 16.384 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

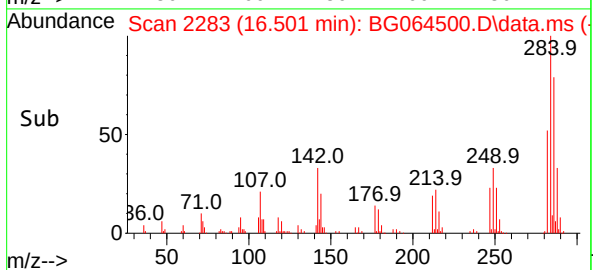
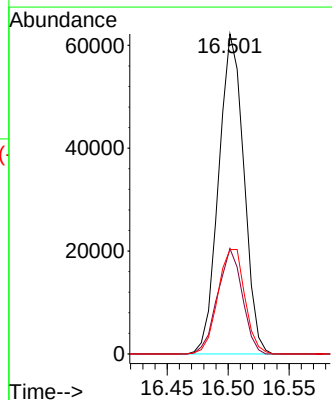
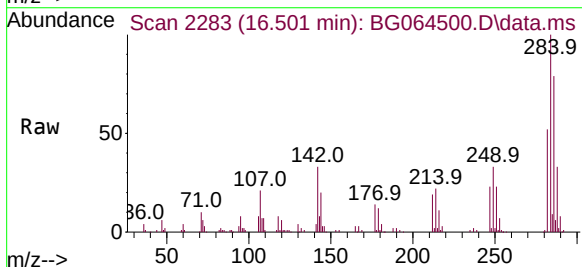
Instrument :
BNA_G
ClientSampleId :
PB170080BS

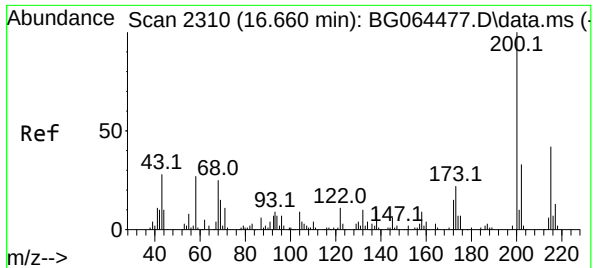
Tgt Ion	Ratio	Lower	Upper
248	100		
250	92.6	85.3	127.9
141	81.9	66.2	99.2



#68
Hexachlorobenzene
Concen: 47.420 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.0	26.2	39.2
249	32.6	29.4	44.0





#69

Atrazine

Concen: 53.447 ng

RT: 16.660 min Scan# 2310

Delta R.T. 0.009 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Instrument :

BNA_G

ClientSampleId :

PB170080BS

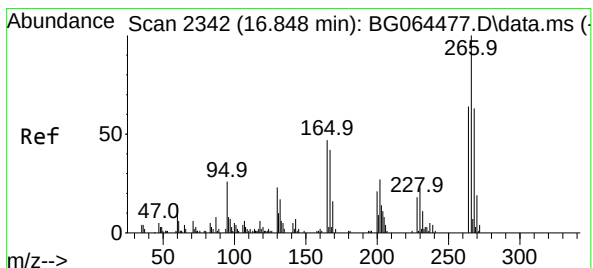
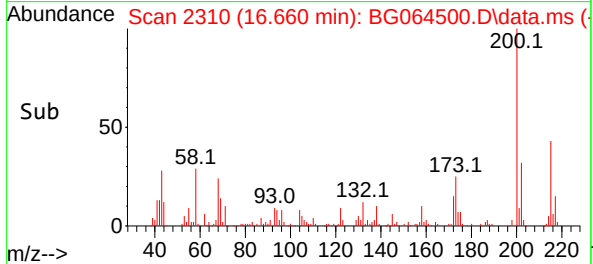
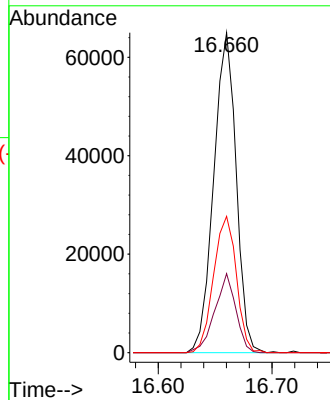
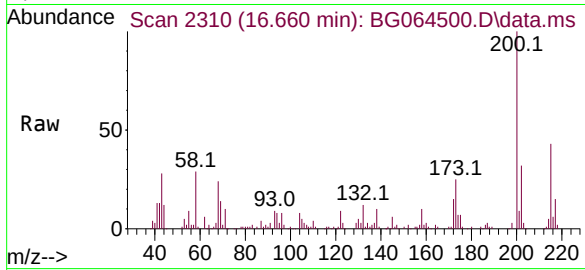
Tgt Ion:200 Resp: 88868

Ion Ratio Lower Upper

200 100

173 24.7 2.5 42.5

215 42.6 21.5 61.5



#70

Pentachlorophenol

Concen: 109.663 ng

RT: 16.848 min Scan# 2342

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

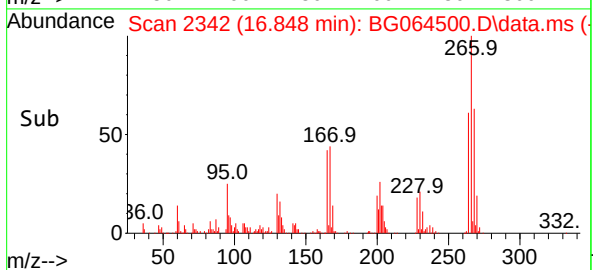
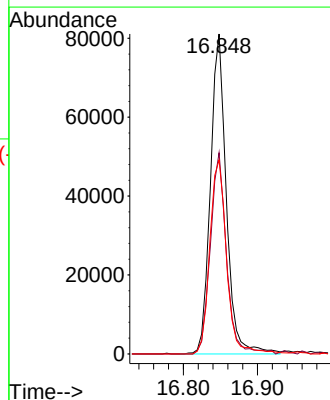
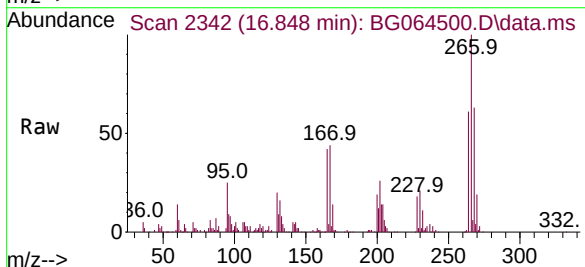
Tgt Ion:266 Resp: 120834

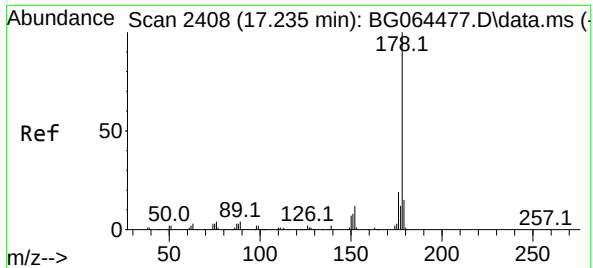
Ion Ratio Lower Upper

266 100

268 62.9 50.6 75.8

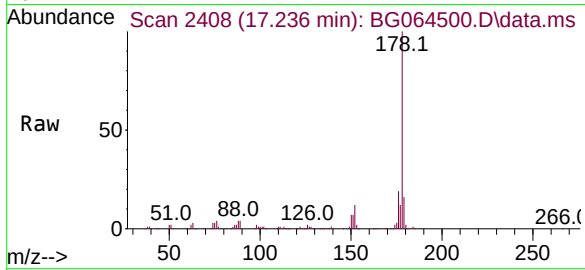
264 60.6 51.2 76.8



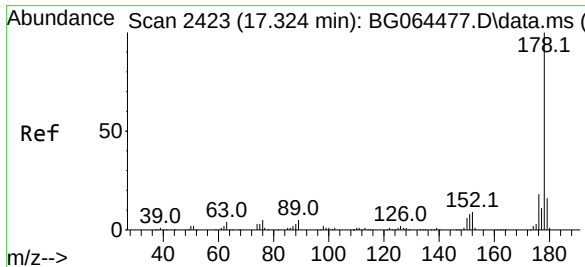
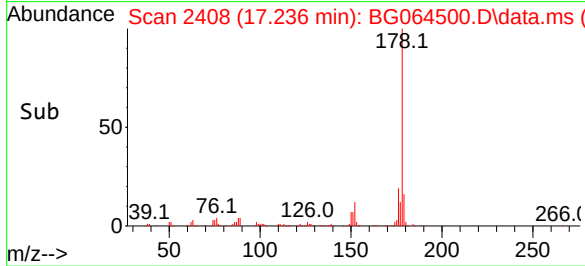
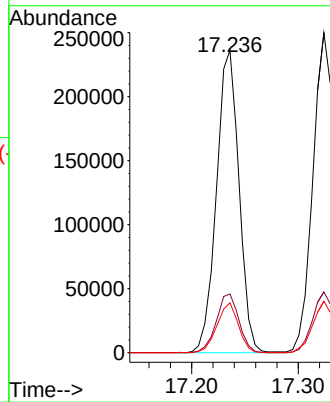


#71
Phenanthrene
Concen: 47.445 ng
RT: 17.236 min Scan# 2408
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Instrument :
BNA_G
ClientSampleId :
PB170080BS

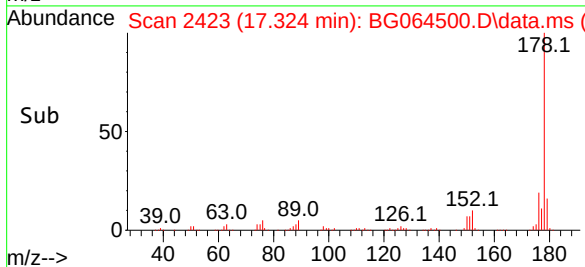
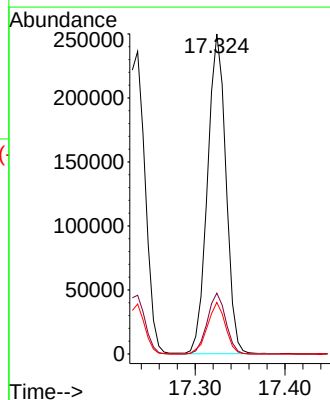
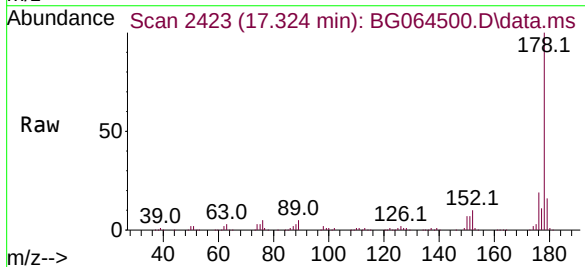


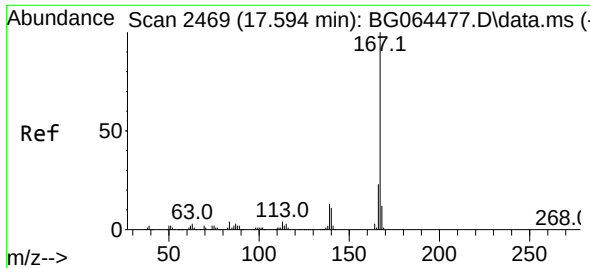
Tgt Ion:178 Resp: 347244
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 16.5 11.8 17.6



#72
Anthracene
Concen: 48.639 ng
RT: 17.324 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:178 Resp: 357128
Ion Ratio Lower Upper
178 100
176 19.0 14.6 21.8
179 16.1 12.5 18.7

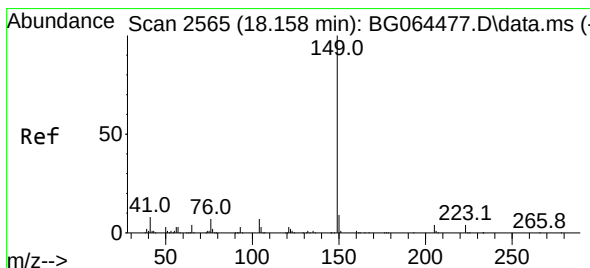
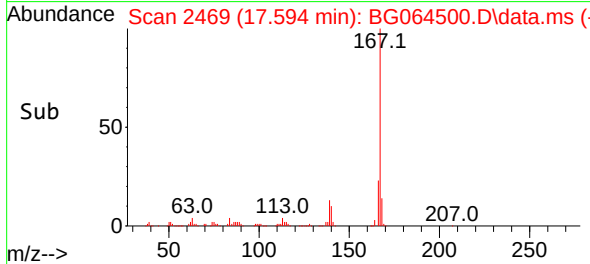
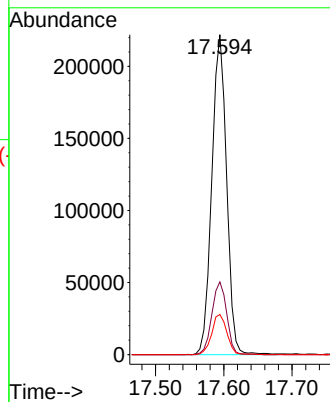
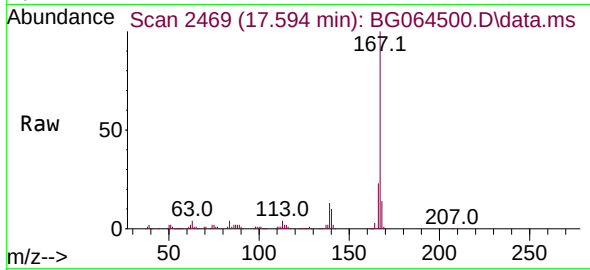




#73
 Carbazole
 Concen: 52.431 ng
 RT: 17.594 min Scan# 2469
 Delta R.T. 0.003 min
 Lab File: BG064500.D
 Acq: 14 Oct 2025 14:38

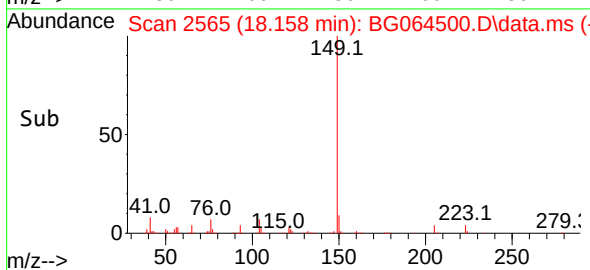
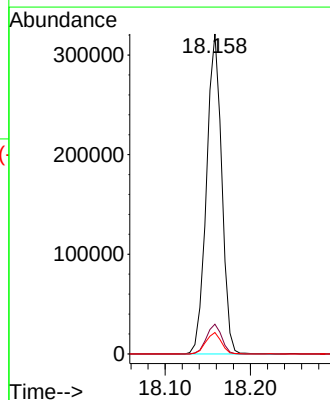
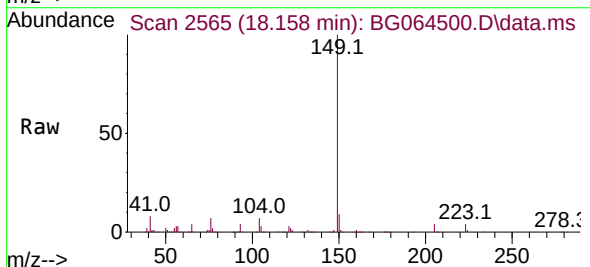
Instrument :
 BNA_G
 ClientSampleId :
 PB170080BS

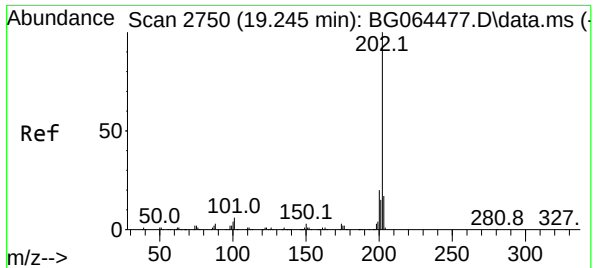
Tgt Ion:167 Resp: 332755
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.6 27.8
 139 12.5 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 51.261 ng
 RT: 18.158 min Scan# 2565
 Delta R.T. 0.003 min
 Lab File: BG064500.D
 Acq: 14 Oct 2025 14:38

Tgt Ion:149 Resp: 397141
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 6.7 5.3 7.9

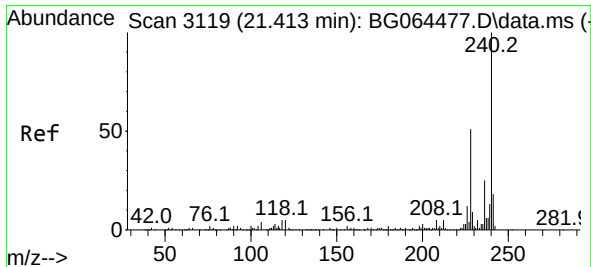
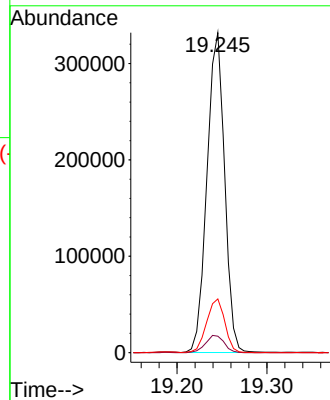
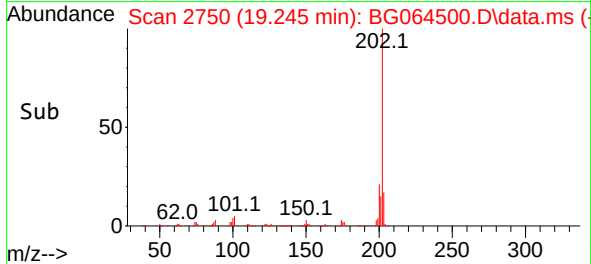
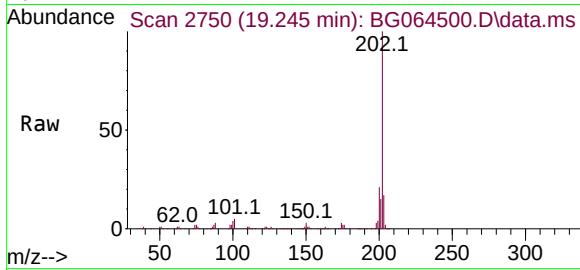




#75
Fluoranthene
Concen: 51.721 ng
RT: 19.245 min Scan# 2750
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

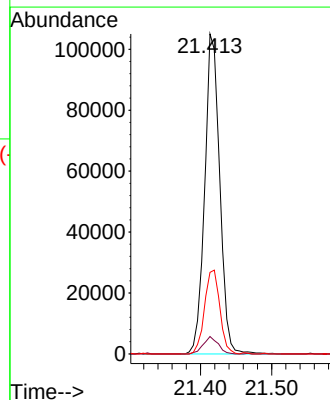
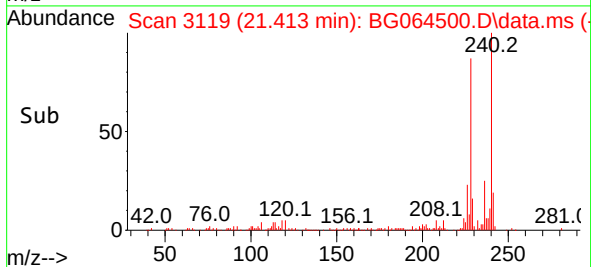
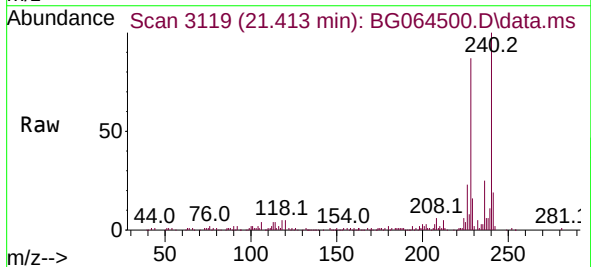
Instrument :
BNA_G
ClientSampleId :
PB170080BS

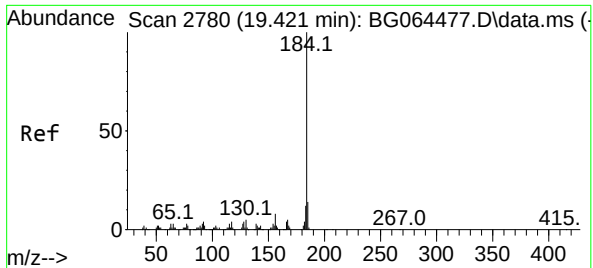
Tgt Ion:	202	Resp:	452222
Ion Ratio	Lower	Upper	
202	100		
101	5.1	0.0	25.7
203	16.8	0.0	36.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:	240	Resp:	153646
Ion Ratio	Lower	Upper	
240	100		
120	5.4	4.3	6.5
236	25.5	20.4	30.6

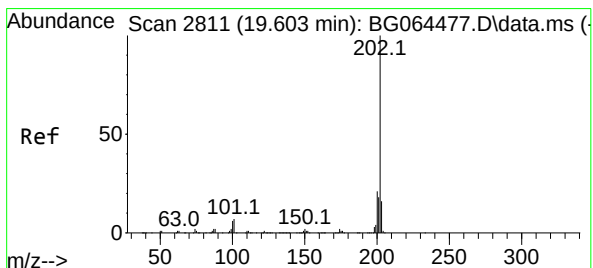
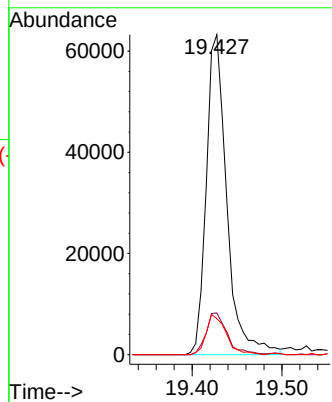
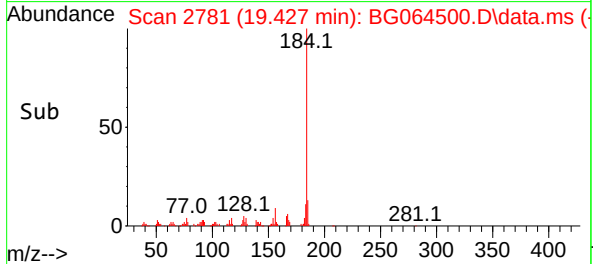
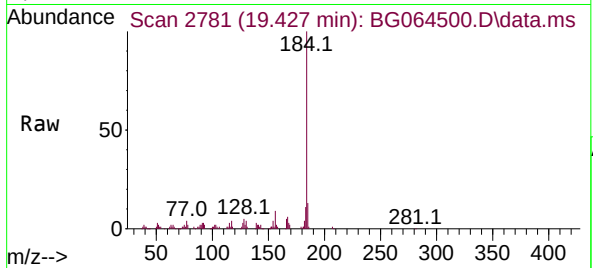




#77
Benzidine
Concen: 26.260 ng
RT: 19.427 min Scan# 2781
Delta R.T. 0.002 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

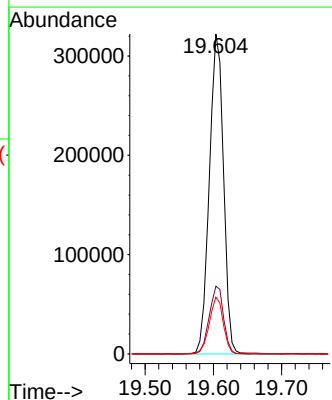
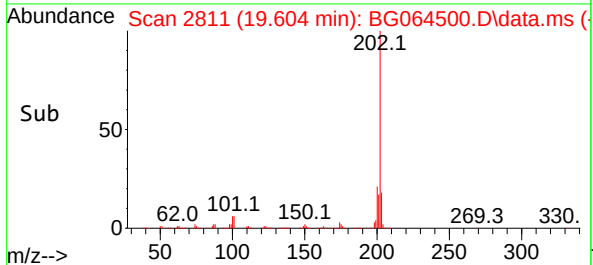
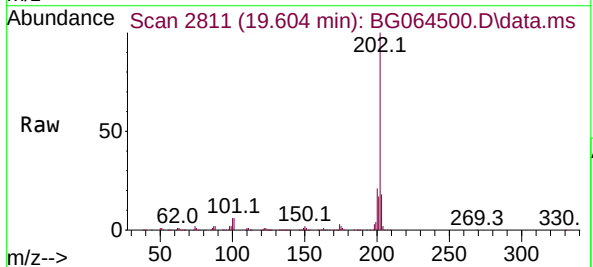
Instrument :
BNA_G
ClientSampleId :
PB170080BS

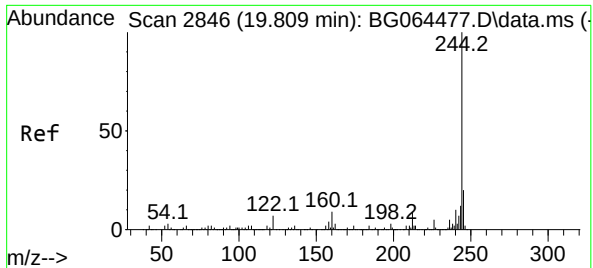
Tgt Ion:184 Resp: 100398
Ion Ratio Lower Upper
184 100
185 13.0 10.9 16.3
183 11.2 9.8 14.6



#78
Pyrene
Concen: 46.522 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:202 Resp: 463874
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.7 13.0 19.4

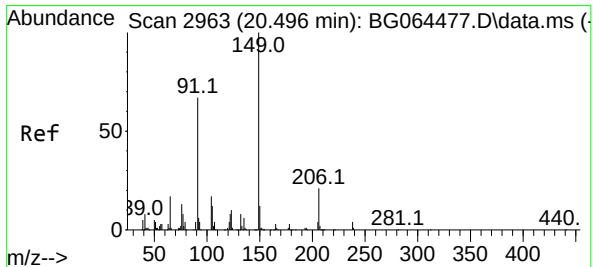
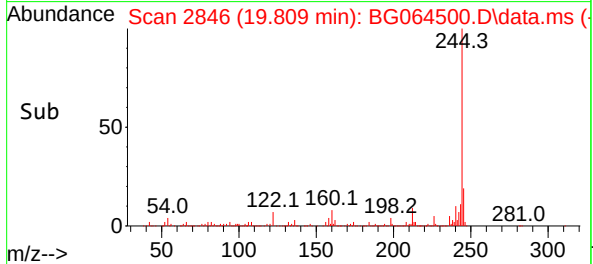
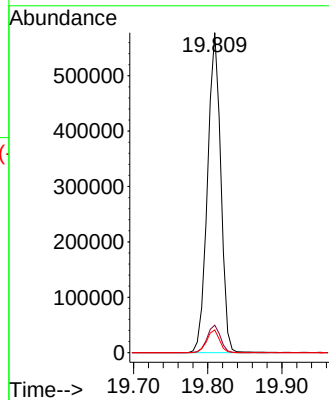
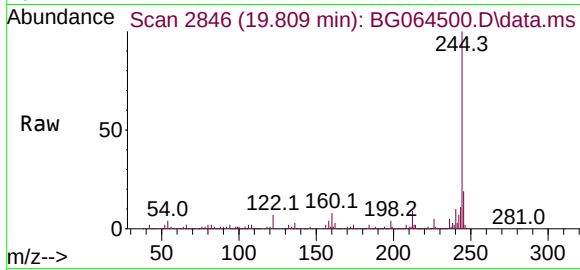




#79
 Terphenyl-d14
 Concen: 88.131 ng
 RT: 19.809 min Scan# 2846
 Delta R.T. 0.003 min
 Lab File: BG064500.D
 Acq: 14 Oct 2025 14:38

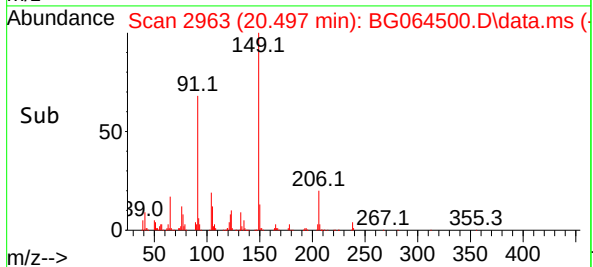
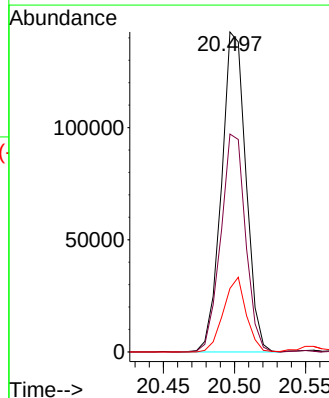
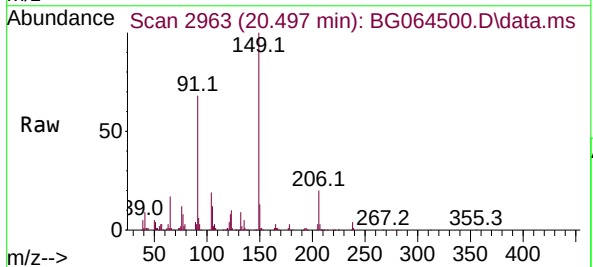
Instrument :
 BNA_G
 ClientSampleId :
 PB170080BS

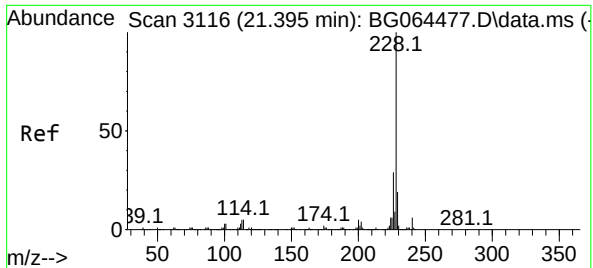
Tgt Ion:244 Resp: 715506
 Ion Ratio Lower Upper
 244 100
 212 8.6 7.0 10.6
 122 7.1 5.6 8.4



#80
 Butylbenzylphthalate
 Concen: 48.182 ng
 RT: 20.497 min Scan# 2963
 Delta R.T. -0.003 min
 Lab File: BG064500.D
 Acq: 14 Oct 2025 14:38

Tgt Ion:149 Resp: 170307
 Ion Ratio Lower Upper
 149 100
 91 68.1 53.7 80.5
 206 19.8 16.6 24.8

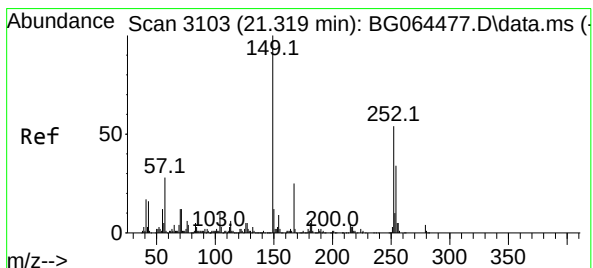
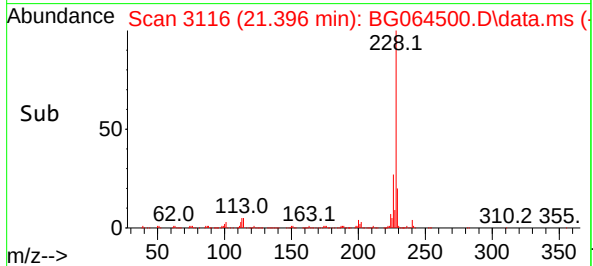
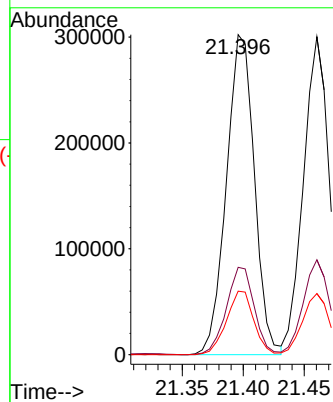
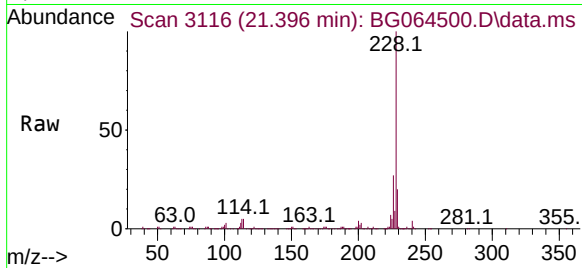




#81
Benzo(a)anthracene
Concen: 49.313 ng
RT: 21.396 min Scan# 3116
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

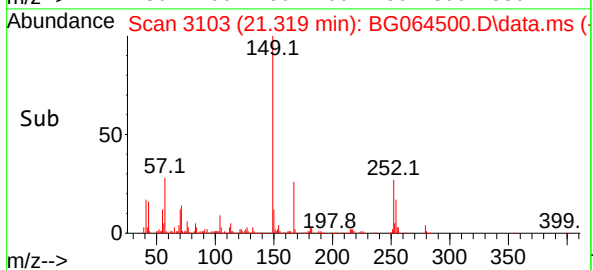
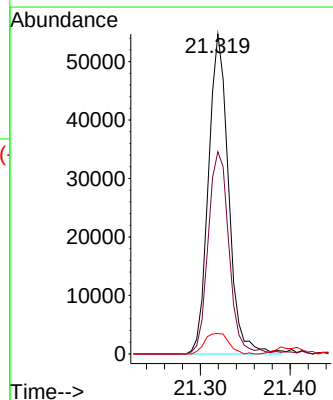
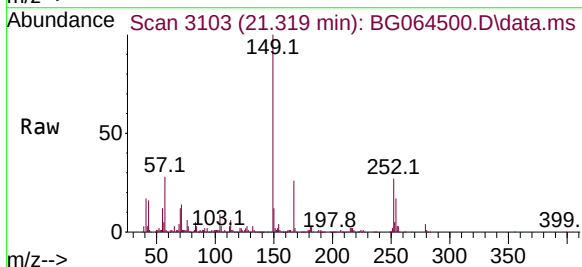
Instrument :
BNA_G
ClientSampleId :
PB170080BS

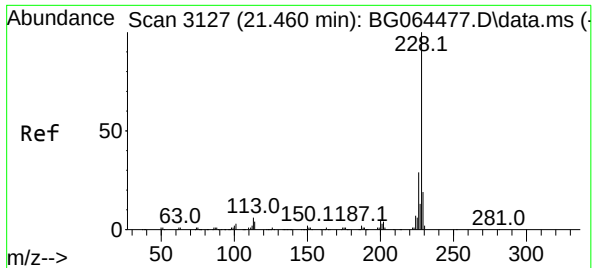
Tgt Ion:228 Resp: 483778
Ion Ratio Lower Upper
228 100
226 27.3 22.8 34.2
229 19.8 15.2 22.8



#82
3,3'-Dichlorobenzidine
Concen: 25.569 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:252 Resp: 84901
Ion Ratio Lower Upper
252 100
254 63.2 50.5 75.7
126 6.4 7.1 10.7#





#83

Chrysene

Concen: 47.734 ng

RT: 21.460 min Scan# 3127

Delta R.T. 0.009 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

Instrument :

BNA_G

ClientSampleId :

PB170080BS

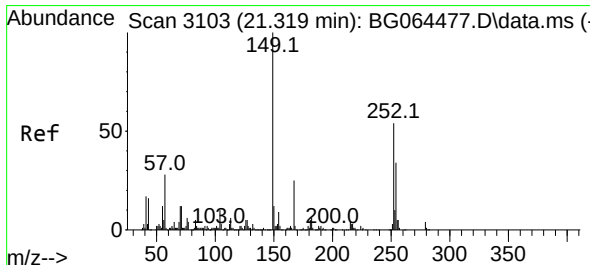
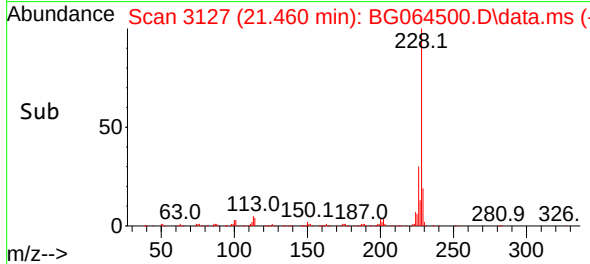
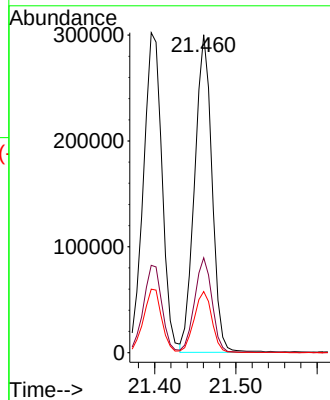
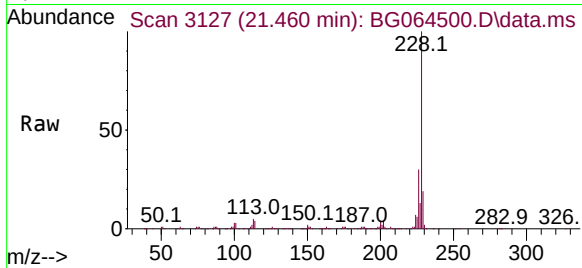
Tgt Ion:228 Resp: 444105

Ion Ratio Lower Upper

228 100

226 29.8 22.8 34.2

229 19.2 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.231 ng

RT: 21.319 min Scan# 3103

Delta R.T. 0.003 min

Lab File: BG064500.D

Acq: 14 Oct 2025 14:38

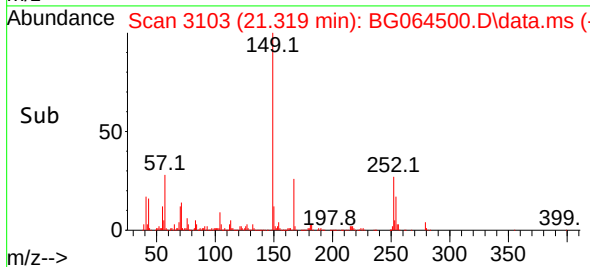
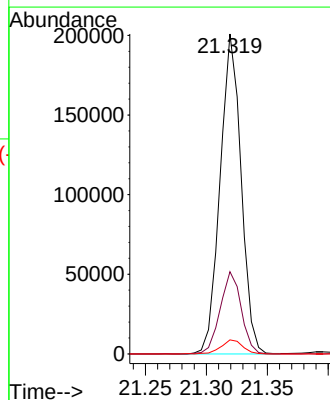
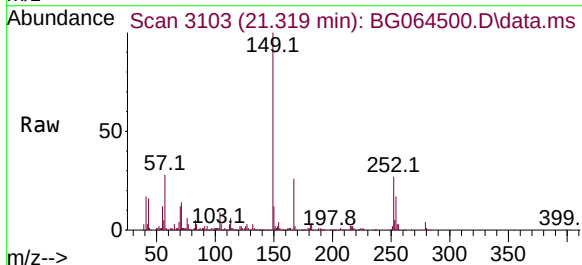
Tgt Ion:149 Resp: 240538

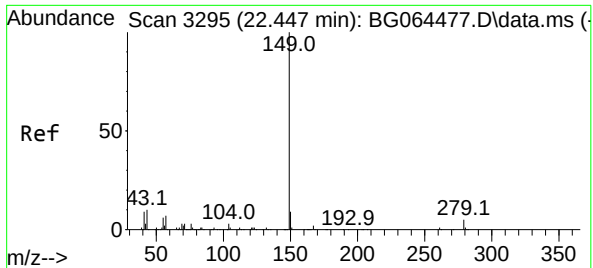
Ion Ratio Lower Upper

149 100

167 25.7 19.7 29.5

279 4.4 3.4 5.2

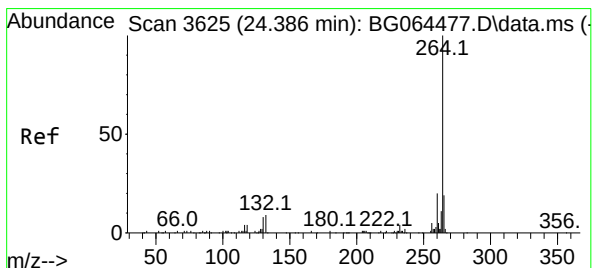
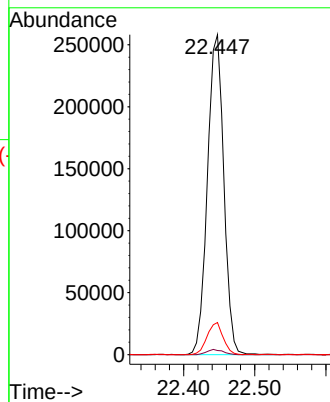
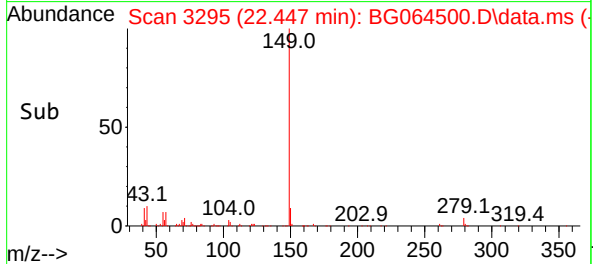
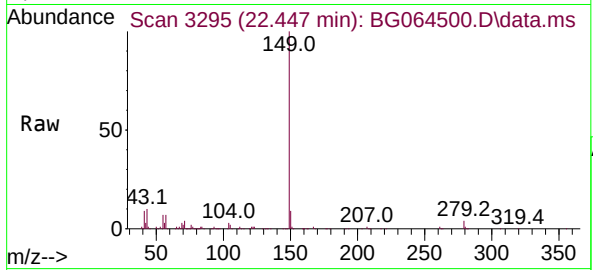




#85
Di-n-octyl phthalate
Concen: 49.050 ng
RT: 22.447 min Scan# 3295
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

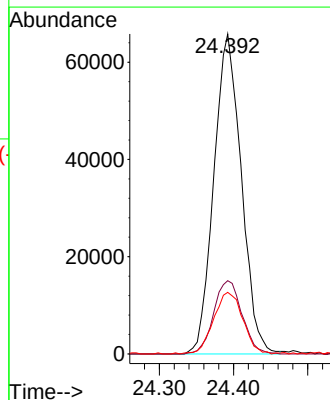
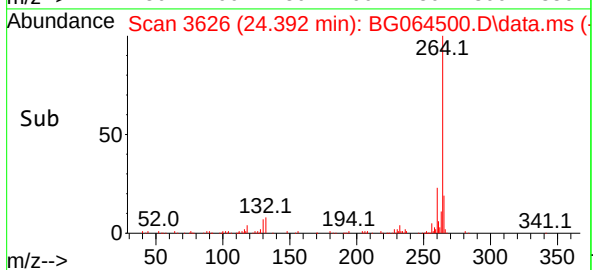
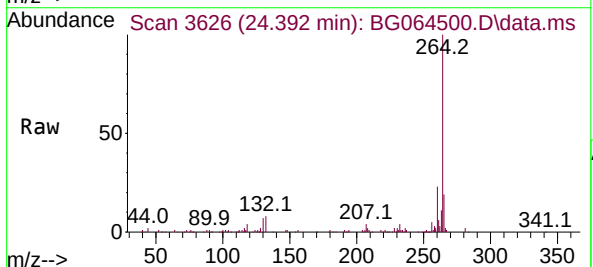
Instrument :
BNA_G
ClientSampleId :
PB170080BS

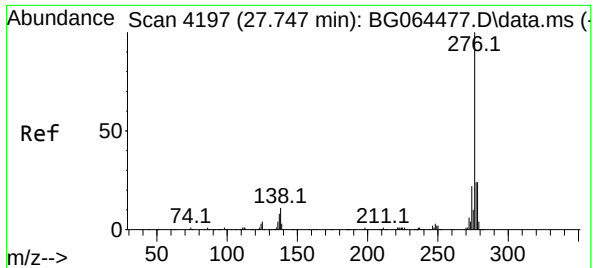
Tgt Ion:149 Resp: 411128
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 9.8 7.9 11.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.392 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:264 Resp: 168945
Ion Ratio Lower Upper
264 100
260 22.9 16.2 24.4
265 19.2 15.0 22.4

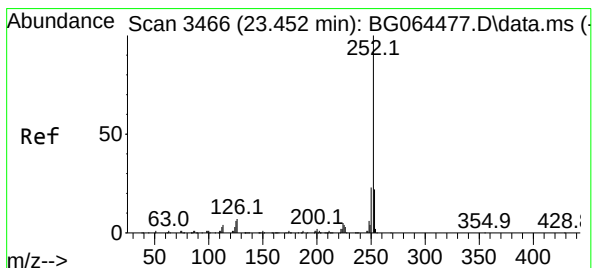
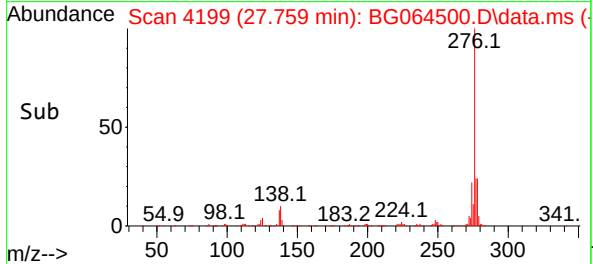
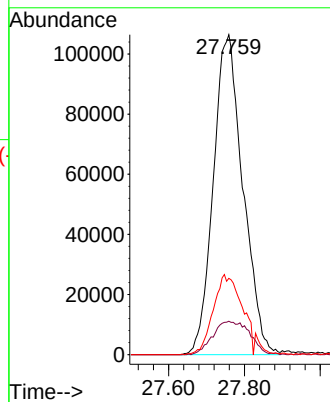
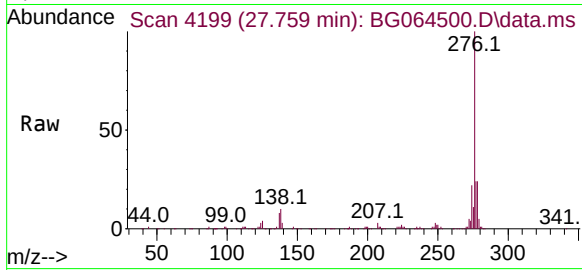




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.062 ng
RT: 27.759 min Scan# 4199
Delta R.T. 0.026 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

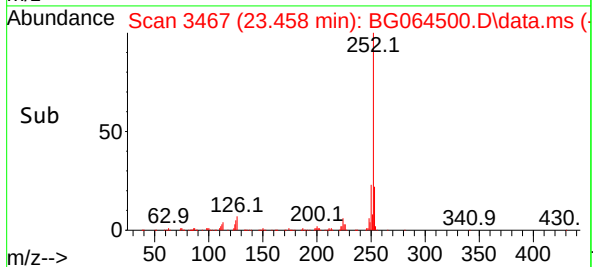
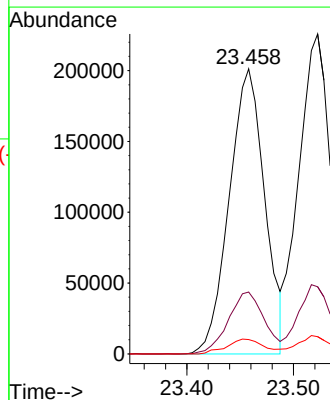
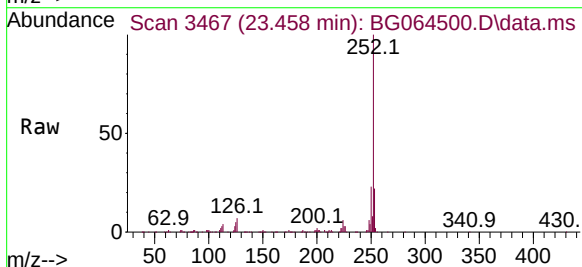
Instrument :
BNA_G
ClientSampleId :
PB170080BS

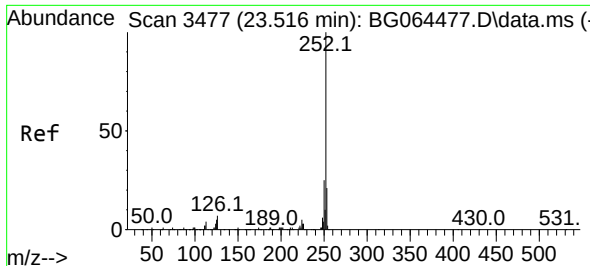
Tgt Ion:276 Resp: 576953
Ion Ratio Lower Upper
276 100
138 12.9 10.8 16.2
277 24.0 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 48.378 ng
RT: 23.458 min Scan# 3467
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:252 Resp: 464977
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 5.0 4.5 6.7

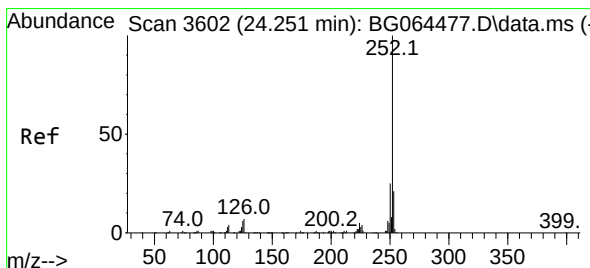
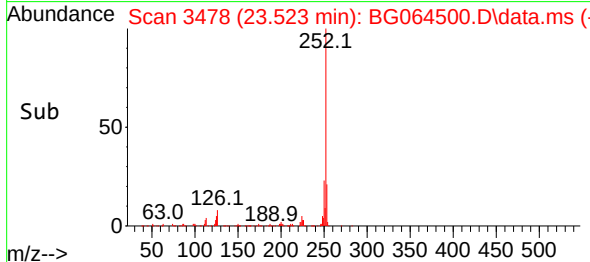
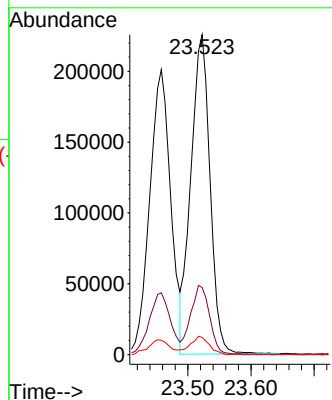
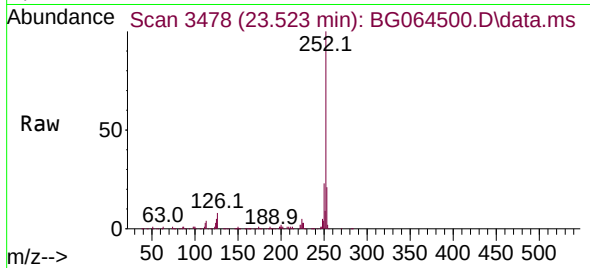




#89
Benzo(k)fluoranthene
Concen: 49.244 ng
RT: 23.523 min Scan# 3477
Delta R.T. 0.015 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

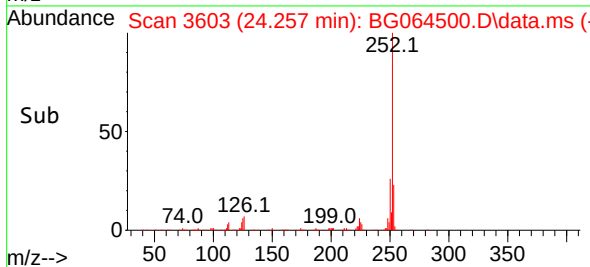
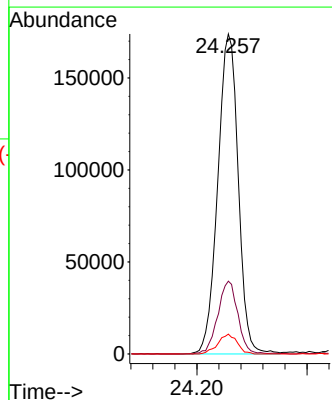
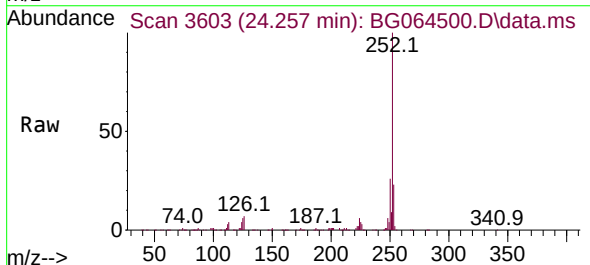
Instrument :
BNA_G
ClientSampleId :
PB170080BS

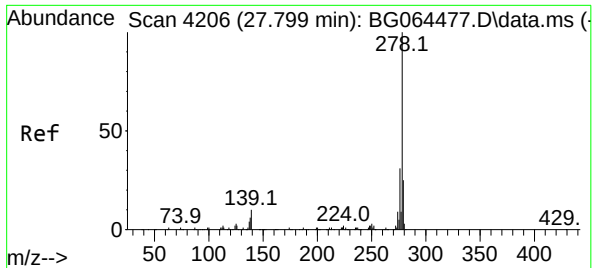
Tgt Ion:252 Resp: 476690
Ion Ratio Lower Upper
252 100
253 21.0 17.4 26.2
125 5.4 4.0 6.0



#90
Benzo(a)pyrene
Concen: 50.555 ng
RT: 24.257 min Scan# 3603
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:252 Resp: 447817
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 6.2 4.6 6.8

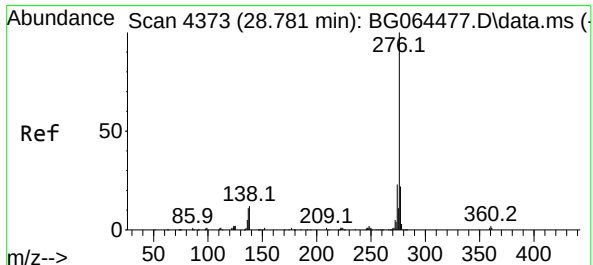
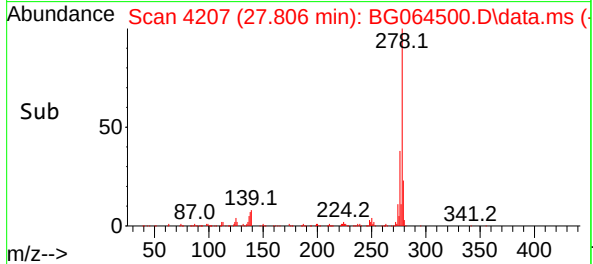
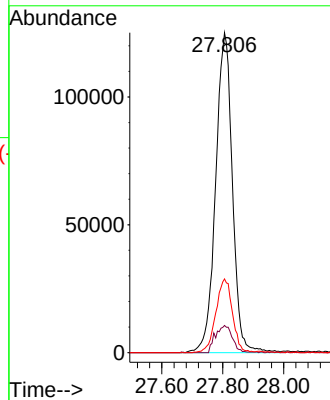
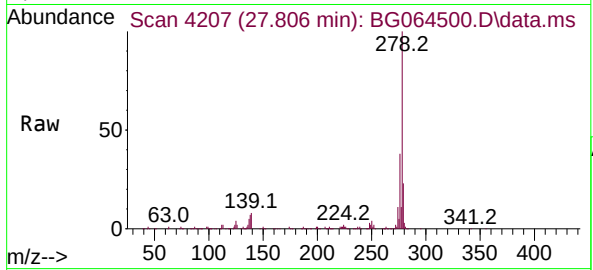




#91
Dibenzo(a,h)anthracene
Concen: 50.886 ng
RT: 27.806 min Scan# 4375
Delta R.T. 0.026 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

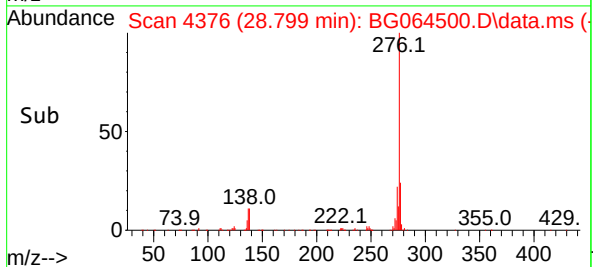
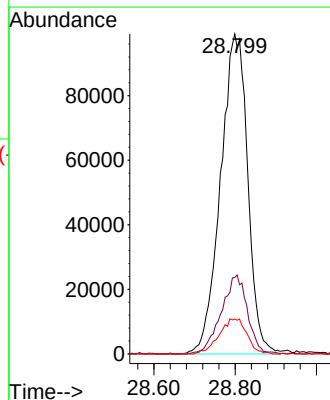
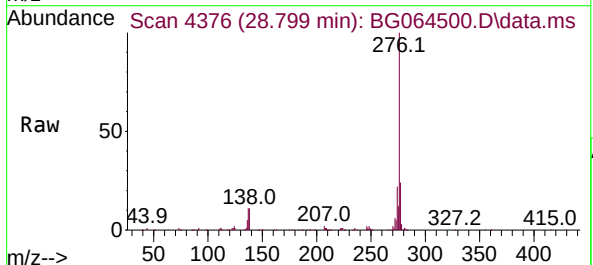
Instrument :
BNA_G
ClientSampleId :
PB170080BS

Tgt Ion:278 Resp: 478551
Ion Ratio Lower Upper
278 100
139 8.5 8.2 12.2
279 23.0 19.6 29.4



#92
Benzo(g,h,i)perylene
Concen: 50.297 ng
RT: 28.799 min Scan# 4376
Delta R.T. 0.032 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:276 Resp: 459666
Ion Ratio Lower Upper
276 100
277 23.9 17.8 26.6
138 10.9 9.4 14.0



Report of Analysis

Client: Weston Solutions, Inc.
 Project: RFP 918
 Client Sample ID: P001-DS-01MS
 Lab Sample ID: Q3321-02MS
 Analytical Method: 8270E
 Sample Wt/Vol: 100 mL
 Prep Method :
 Level : LOW
 Final Vol: 1000 uL
 Prep Date: 10/13/25

Date Collected: 10/08/25
 Date Received: 10/09/25
 SDG No.: Q3321
 Matrix: TCLP
 % Solid: 0
 Test: TCLP BNA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	380		1	12.8	50.0	ug/L	10/14/25 16:52	PB170080
106-46-7	1,4-Dichlorobenzene	500		1	5.30	50.0	ug/L	10/14/25 16:52	PB170080
95-48-7	2-Methylphenol	510		1	11.2	50.0	ug/L	10/14/25 16:52	PB170080
65794-96-9	3+4-Methylphenols	490		1	11.0	100	ug/L	10/14/25 16:52	PB170080
67-72-1	Hexachloroethane	490		1	6.50	50.0	ug/L	10/14/25 16:52	PB170080
98-95-3	Nitrobenzene	550		1	7.60	50.0	ug/L	10/14/25 16:52	PB170080
87-68-3	Hexachlorobutadiene	540		1	5.40	50.0	ug/L	10/14/25 16:52	PB170080
88-06-2	2,4,6-Trichlorophenol	590		1	5.10	50.0	ug/L	10/14/25 16:52	PB170080
95-95-4	2,4,5-Trichlorophenol	600		1	6.20	50.0	ug/L	10/14/25 16:52	PB170080
121-14-2	2,4-Dinitrotoluene	600		1	12.2	50.0	ug/L	10/14/25 16:52	PB170080
118-74-1	Hexachlorobenzene	580		1	5.20	50.0	ug/L	10/14/25 16:52	PB170080
87-86-5	Pentachlorophenol	1300	E	1	15.8	100	ug/L	10/14/25 16:52	PB170080
SURROGATES									
367-12-4	2-Fluorophenol	144			23 - 138	96%	SPK: 150		
13127-88-3	Phenol-d6	130			10 - 134	87%	SPK: 150		
4165-60-0	Nitrobenzene-d5	102			67 - 132	102%	SPK: 100		
321-60-8	2-Fluorobiphenyl	102			52 - 132	102%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	160			44 - 137	107%	SPK: 150		
1718-51-0	Terphenyl-d14	97.2			42 - 152	97%	SPK: 100		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	18600							
1146-65-2	Naphthalene-d8	69800							
15067-26-2	Acenaphthene-d10	49800							
1517-22-2	Phenanthrene-d10	123000							
1719-03-5	Chrysene-d12	143000							
1520-96-3	Perylene-d12	157000							

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\BG101425\
 Data File : BG064503.D
 Acq On : 14 Oct 2025 16:52
 Operator : RC/JU
 Sample : Q3321-02MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MS

Quant Time: Oct 14 17:30:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	18595	20.000	ng	# 0.00
21) Naphthalene-d8	10.609	136	69814	20.000	ng	0.00
39) Acenaphthene-d10	14.452	164	49830	20.000	ng	0.00
64) Phenanthrene-d10	17.190	188	122524	20.000	ng	0.00
76) Chrysene-d12	21.414	240	143332	20.000	ng	0.00
86) Perylene-d12	24.387	264	156729	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.421	112	144945	144.258	ng	0.02
7) Phenol-d6	7.002	99	175696	130.122	ng	0.02
23) Nitrobenzene-d5	8.976	82	132893	102.353	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	144419	159.890	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	344392	101.873	ng	0.00
79) Terphenyl-d14	19.804	244	736455	97.239	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.335	88	15583	39.210	ng	# 81
3) Pyridine	3.735	79	41054	38.436	ng	95
4) n-Nitrosodimethylamine	3.635	42	39436	50.931	ng	93
6) Aniline	7.154	93	48050	28.212	ng	96
8) 2-Chlorophenol	7.395	128	62160	50.381	ng	98
9) Benzaldehyde	6.960	77	18312	15.278	ng	98
10) Phenol	7.031	94	67286	47.239	ng	93
11) bis(2-Chloroethyl)ether	7.248	93	46911	48.632	ng	96
12) 1,3-Dichlorobenzene	7.712	146	66927	49.587	ng	98
13) 1,4-Dichlorobenzene	7.859	146	67389	49.749	ng	96
14) 1,2-Dichlorobenzene	8.177	146	65454	49.028	ng	97
15) Benzyl Alcohol	8.065	79	63931	51.413	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.353	45	74023	47.607	ng	96
17) 2-Methylphenol	8.271	107	52697	51.092	ng	96
18) Hexachloroethane	8.899	117	26001	48.629	ng	90
19) n-Nitroso-di-n-propyla...	8.629	70	43630	48.316	ng	85
20) 3+4-Methylphenols	8.600	107	70685	49.110	ng	98
22) Acetophenone	8.641	105	105797	62.588	ng	96
24) Nitrobenzene	9.017	77	71375	55.126	ng	94
25) Isophorone	9.540	82	126946	53.971	ng	99
26) 2-Nitrophenol	9.728	139	35669	55.352	ng	92
27) 2,4-Dimethylphenol	9.792	122	61012	61.989	ng	95
28) bis(2-Chloroethoxy)met...	10.022	93	65982	55.032	ng	97
29) 2,4-Dichlorophenol	10.262	162	64011	56.241	ng	96
30) 1,2,4-Trichlorobenzene	10.474	180	71496	57.612	ng	# 92
31) Naphthalene	10.662	128	194399	54.074	ng	98
32) Benzoic acid	9.963	122	49164	65.060	ng	89
33) 4-Chloroaniline	10.774	127	23607	17.112	ng	98
34) Hexachlorobutadiene	10.950	225	57580	54.177	ng	100
35) Caprolactam	11.543	113	18979m	48.709	ng	
36) 4-Chloro-3-methylphenol	11.902	107	74780	54.028	ng	94
37) 2-Methylnaphthalene	12.266	142	136497	49.462	ng	95
38) 1-Methylnaphthalene	12.489	142	139412	50.664	ng	98
40) 1,2,4,5-Tetrachloroben...	12.642	216	101777	63.258	ng	97
41) Hexachlorocyclopentadiene	12.624	237	145516	172.901	ng	94
43) 2,4,6-Trichlorophenol	12.883	196	60168	58.500	ng	90

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
 Data File : BG064503.D
 Acq On : 14 Oct 2025 16:52
 Operator : RC/JU
 Sample : Q3321-02MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MS

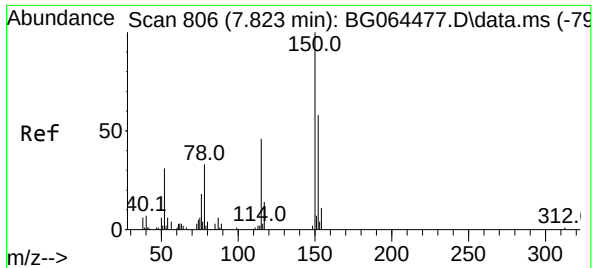
Quant Time: Oct 14 17:30:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.959	196	68658	59.793	ng	94
46) 1,1'-Biphenyl	13.282	154	222941	62.206	ng	97
47) 2-Chloronaphthalene	13.324	162	154043	57.568	ng	97
48) 2-Nitroaniline	13.529	65	54579	59.762	ng	96
49) Acenaphthylene	14.170	152	257562	64.841	ng	98
50) Dimethylphthalate	13.911	163	218408	55.963	ng	98
51) 2,6-Dinitrotoluene	14.029	165	47146	57.991	ng	88
52) Acenaphthene	14.516	154	150360	54.485	ng	98
53) 3-Nitroaniline	14.358	138	30198	40.277	ng	89
54) 2,4-Dinitrophenol	14.563	184	69914	118.598	ng	87
55) Dibenzofuran	14.851	168	255068	55.977	ng	98
56) 4-Nitrophenol	14.675	139	72105	122.149	ng	93
57) 2,4-Dinitrotoluene	14.816	165	74082	59.609	ng	98
58) Fluorene	15.497	166	214511	56.627	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.080	232	71510	61.023	ng	99
60) Diethylphthalate	15.274	149	233036	55.662	ng	98
61) 4-Chlorophenyl-phenyle...	15.492	204	113694	54.975	ng	97
62) 4-Nitroaniline	15.521	138	47983	61.402	ng	# 86
63) Azobenzene	15.785	77	183708	56.658	ng	96
65) 4,6-Dinitro-2-methylph...	15.580	198	50671	59.396	ng	98
66) n-Nitrosodiphenylamine	15.709	169	190603	58.255	ng	96
67) 4-Bromophenyl-phenylether	16.385	248	81638	56.621	ng	93
68) Hexachlorobenzene	16.502	284	95350	57.793	ng	96
69) Atrazine	16.661	200	73161	50.259	ng	98
70) Pentachlorophenol	16.849	266	128380	133.084	ng	100
71) Phenanthrene	17.231	178	360559	56.272	ng	98
72) Anthracene	17.325	178	369870	57.540	ng	97
73) Carbazole	17.595	167	335870	60.450	ng	99
74) Di-n-butylphthalate	18.159	149	393541	58.022	ng	99
75) Fluoranthene	19.240	202	456088	59.583	ng	98
77) Benzidine	19.434	184	49523	13.885	ng	94
78) Pyrene	19.604	202	483530	51.982	ng	99
80) Butylbenzylphthalate	20.497	149	185102	56.136	ng	94
81) Benzo(a)anthracene	21.396	228	510150	55.743	ng	99
82) 3,3'-Dichlorobenzidine	21.320	252	123714	39.940	ng	# 95
83) Chrysene	21.461	228	471702	54.348	ng	97
84) Bis(2-ethylhexyl)phtha...	21.320	149	265825	57.137	ng	99
85) Di-n-octyl phthalate	22.442	149	451847	57.787	ng	99
87) Indeno(1,2,3-cd)pyrene	27.748	276	625337	57.321	ng	99
88) Benzo(b)fluoranthene	23.453	252	498542	55.913	ng	99
89) Benzo(k)fluoranthene	23.517	252	516266	57.490	ng	98
90) Benzo(a)pyrene	24.252	252	481132	58.549	ng	98
91) Dibenzo(a,h)anthracene	27.801	278	505403	57.930	ng	97
92) Benzo(g,h,i)perylene	28.800	276	497074	58.630	ng	97

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

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

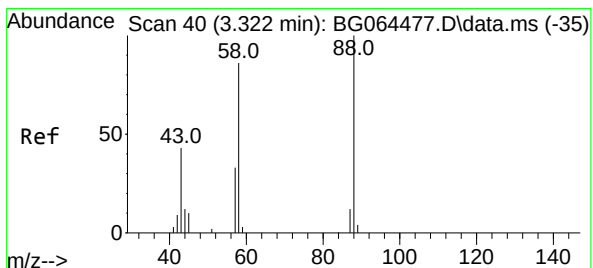
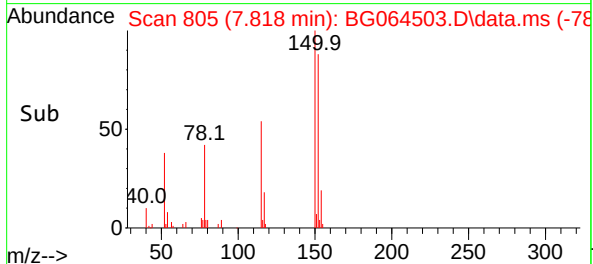
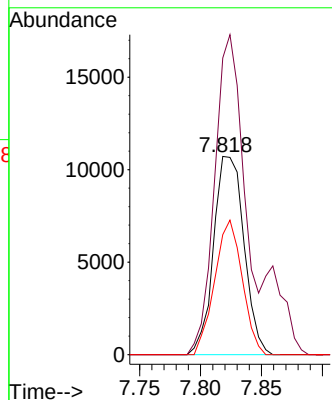
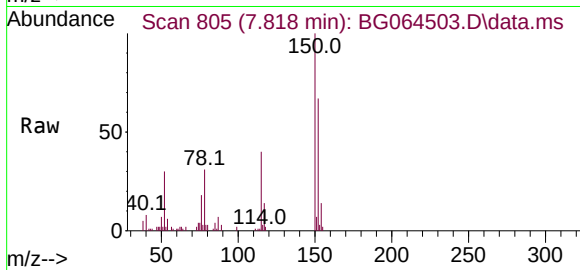
[illegible]



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.818 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: BG064503.D
 Acq: 14 Oct 2025 16:52

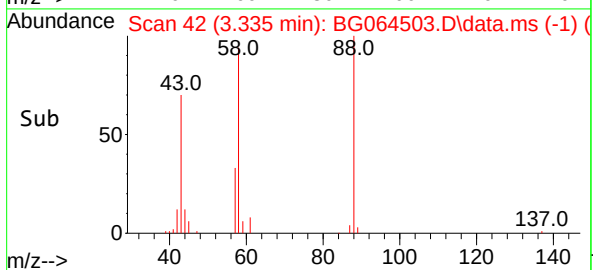
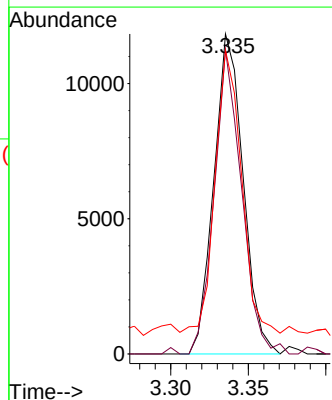
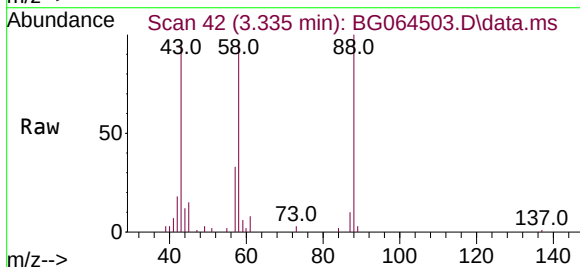
Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MS

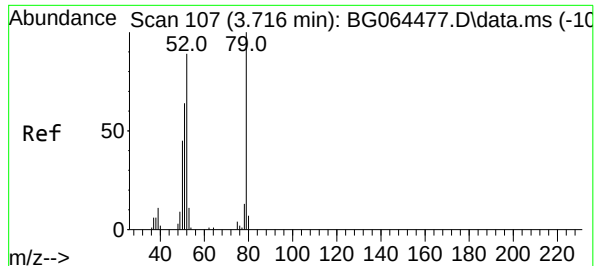
Tgt Ion:152 Resp: 18595
 Ion Ratio Lower Upper
 152 100
 150 149.7 138.6 207.8
 115 60.6 63.4 95.2#



#2
 1,4-Dioxane
 Concen: 39.210 ng
 RT: 3.335 min Scan# 42
 Delta R.T. 0.015 min
 Lab File: BG064503.D
 Acq: 14 Oct 2025 16:52

Tgt Ion: 88 Resp: 15583
 Ion Ratio Lower Upper
 88 100
 58 89.6 69.8 104.6
 43 79.9 37.4 56.0#





#3

Pyridine

Concen: 38.436 ng

RT: 3.735 min Scan# 110

Delta R.T. 0.021 min

Lab File: BG064503.D

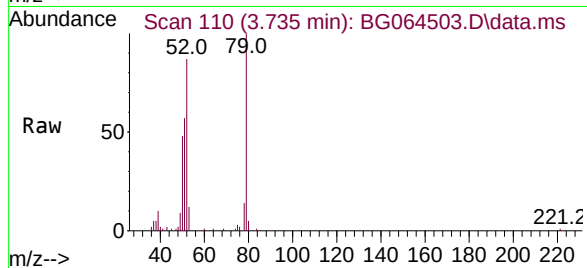
Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

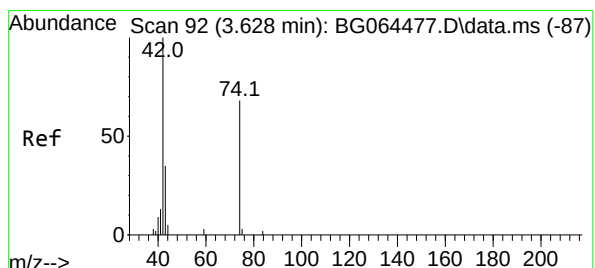
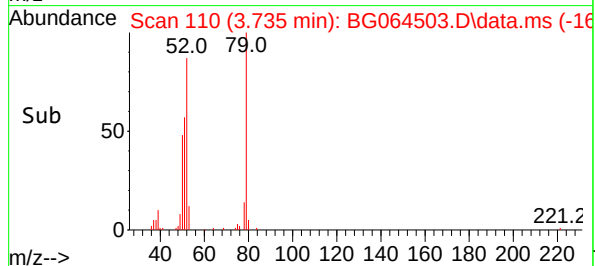
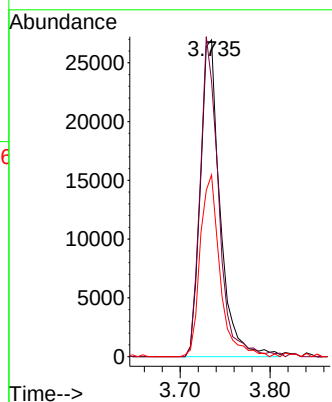
ClientSampleId :

P001-DS-01MS



Tgt Ion: 79 Resp: 41054

Ion	Ratio	Lower	Upper
79	100		
52	86.9	71.0	106.4
51	57.4	51.0	76.6



#4

n-Nitrosodimethylamine

Concen: 50.931 ng

RT: 3.635 min Scan# 93

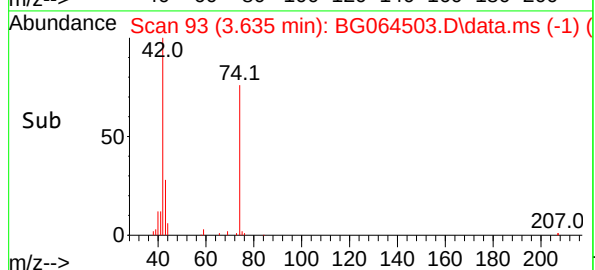
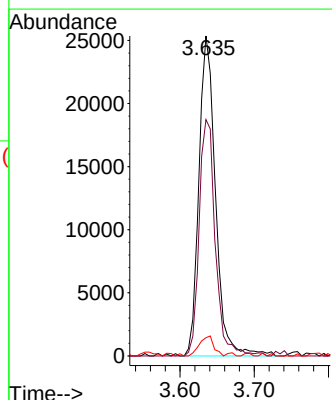
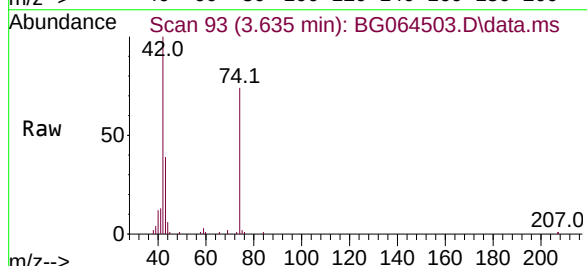
Delta R.T. 0.010 min

Lab File: BG064503.D

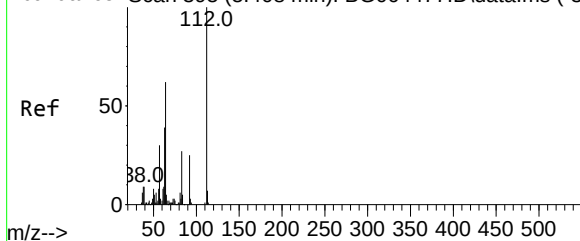
Acq: 14 Oct 2025 16:52

Tgt Ion: 42 Resp: 39436

Ion	Ratio	Lower	Upper
42	100		
74	73.8	54.2	81.4
44	5.7	4.2	6.2



Abundance Scan 395 (5.408 min): BG064477.D\data.ms (-38



#5

2-Fluorophenol

Concen: 144.258 ng

RT: 5.421 min Scan# 395

Delta R.T. 0.015 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

Tgt Ion:112 Resp: 144945

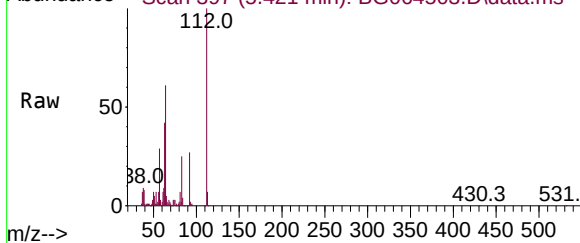
Ion Ratio Lower Upper

112 100

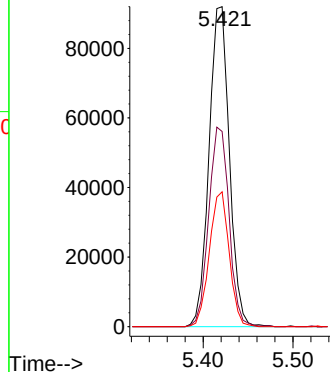
64 61.0 49.8 74.8

63 42.1 31.3 46.9

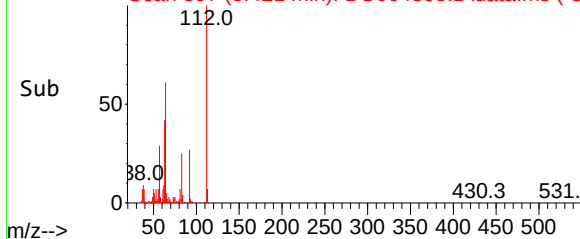
Abundance Scan 397 (5.421 min): BG064503.D\data.ms



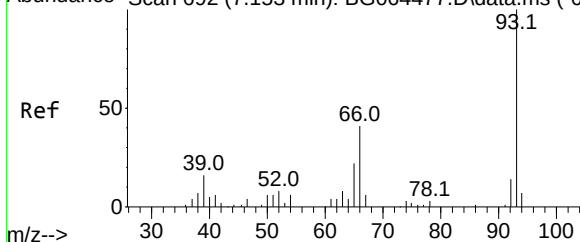
Abundance



Abundance Scan 397 (5.421 min): BG064503.D\data.ms (-30



Abundance Scan 692 (7.153 min): BG064477.D\data.ms (-68



#6

Aniline

Concen: 28.212 ng

RT: 7.154 min Scan# 692

Delta R.T. 0.010 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Tgt Ion: 93 Resp: 48050

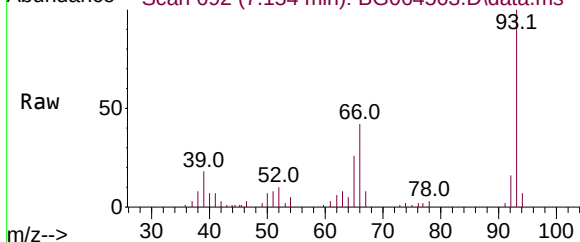
Ion Ratio Lower Upper

93 100

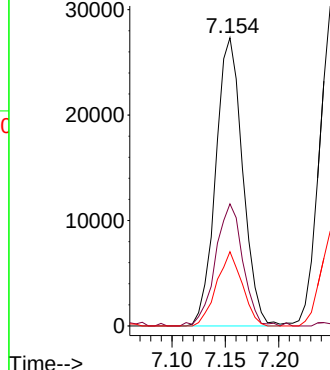
66 42.4 33.0 49.4

65 25.7 17.5 26.3

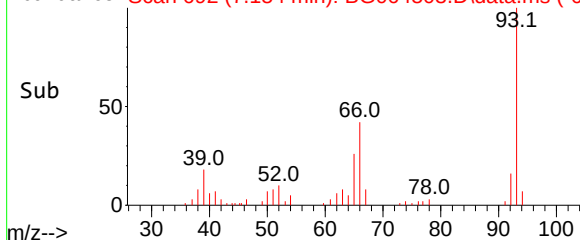
Abundance Scan 692 (7.154 min): BG064503.D\data.ms

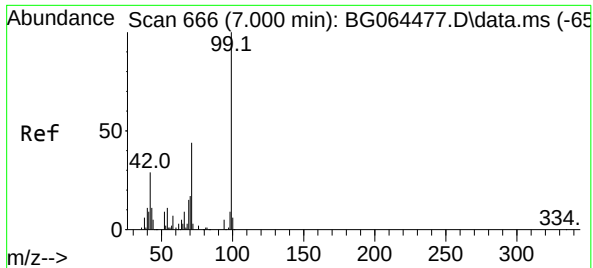


Abundance



Abundance Scan 692 (7.154 min): BG064503.D\data.ms (-60

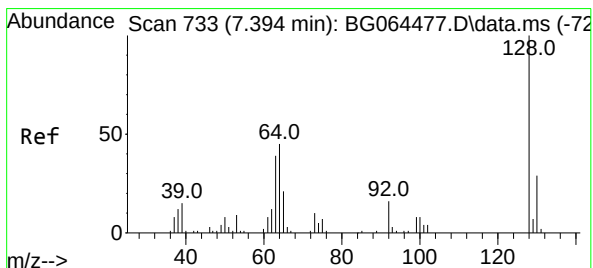
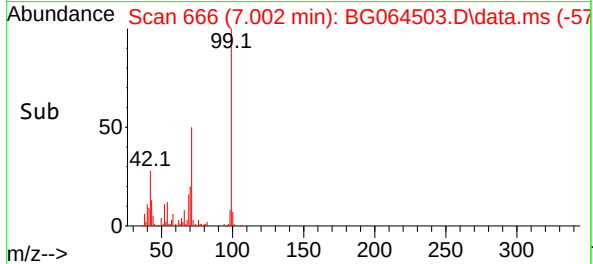
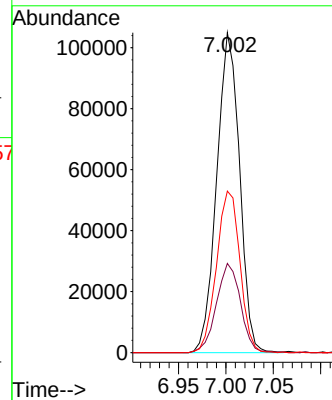
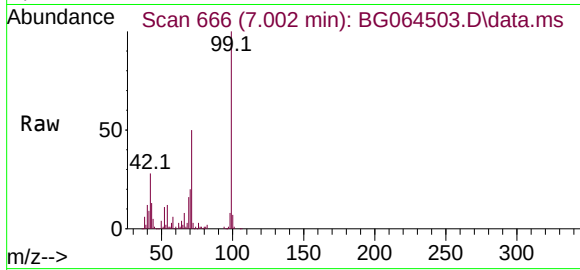




#7
Phenol-d6
Concen: 130.122 ng
RT: 7.002 min Scan# 666
Delta R.T. 0.015 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

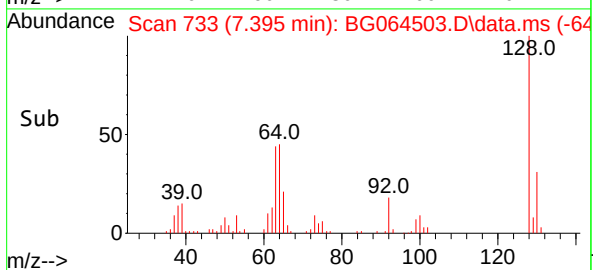
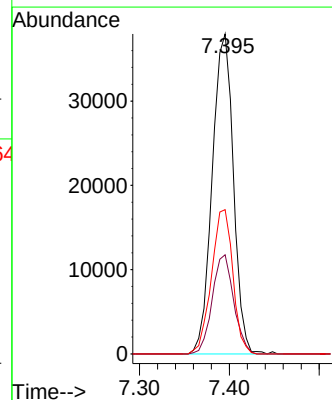
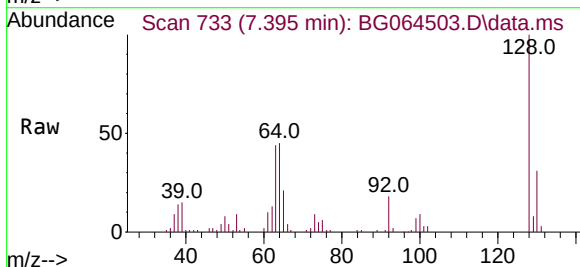
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

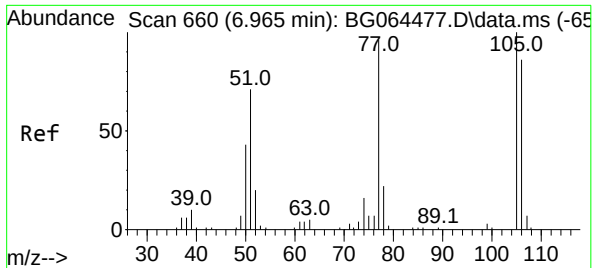
Tgt Ion	Resp	Lower	Upper
99	175696		
42	27.9	22.9	34.3
71	50.5	35.4	53.2



#8
2-Chlorophenol
Concen: 50.381 ng
RT: 7.395 min Scan# 733
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion	Resp	Lower	Upper
128	62160		
130	31.0	9.2	49.2
64	45.1	25.5	65.5

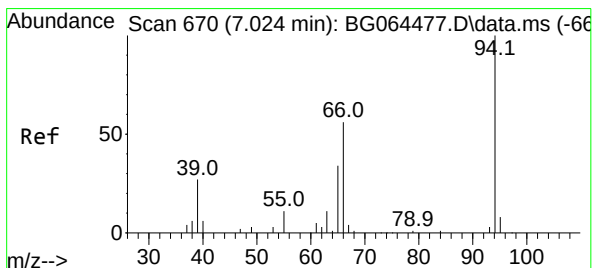
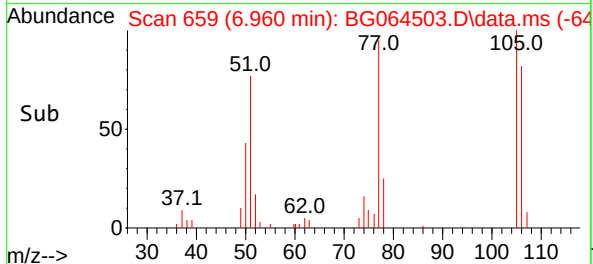
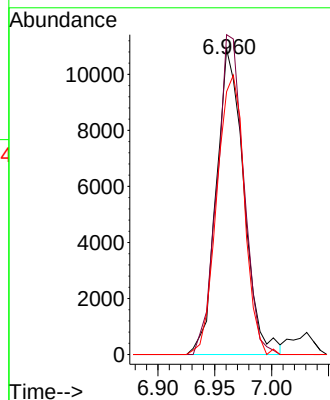
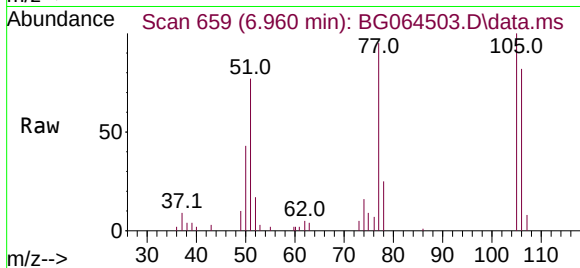




#9
Benzaldehyde
Concen: 15.278 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

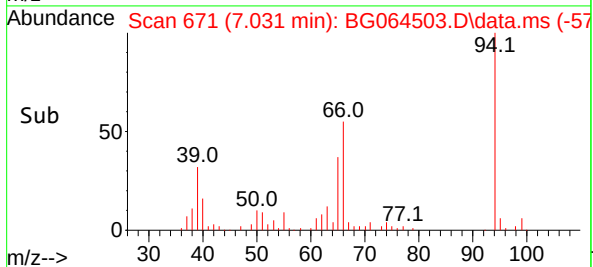
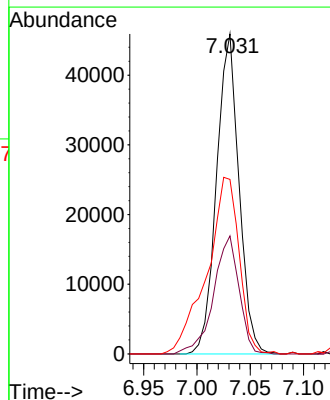
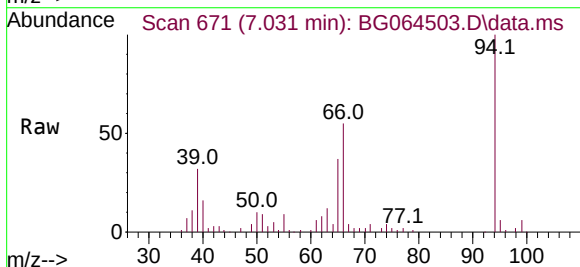
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

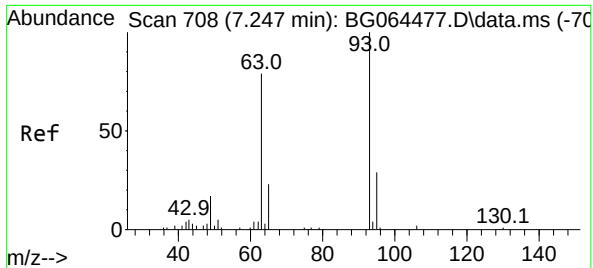
Tgt Ion	Ratio	Lower	Upper
77	100		
105	104.7	83.7	123.7
106	86.0	69.4	109.4



#10
Phenol
Concen: 47.239 ng
RT: 7.031 min Scan# 671
Delta R.T. 0.015 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion	Ratio	Lower	Upper
94	100		
65	36.9	14.8	54.8
66	54.5	41.4	81.4

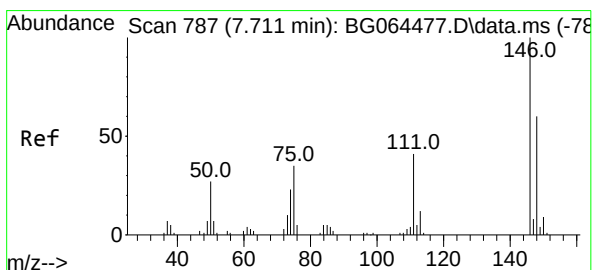
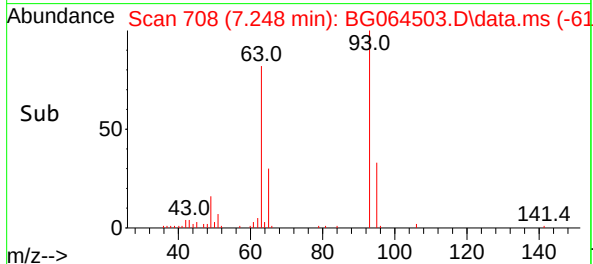
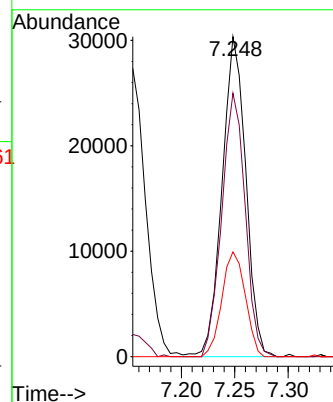
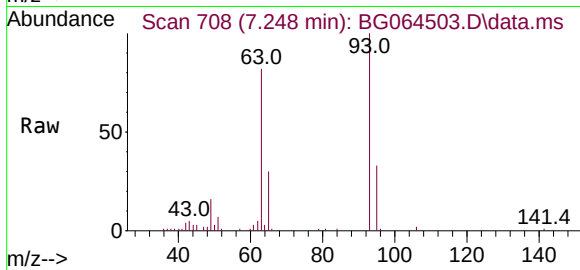




#11
 bis(2-Chloroethyl)ether
 Concen: 48.632 ng
 RT: 7.248 min Scan# 708
 Delta R.T. 0.004 min
 Lab File: BG064503.D
 Acq: 14 Oct 2025 16:52

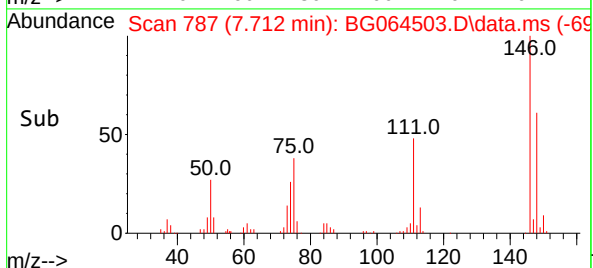
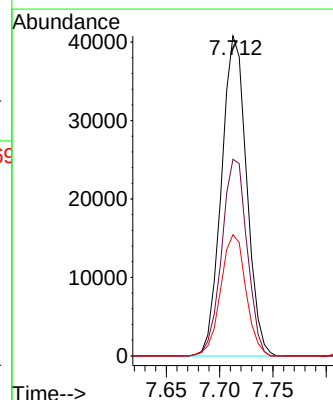
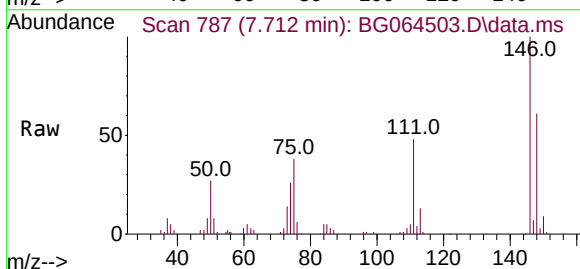
Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MS

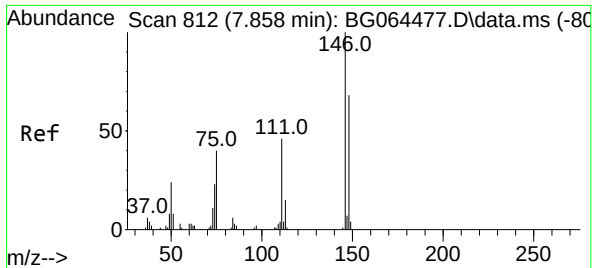
Tgt Ion	Ratio	Lower	Upper
93	100		
63	82.3	59.5	99.5
95	32.7	8.8	48.8



#12
 1,3-Dichlorobenzene
 Concen: 49.587 ng
 RT: 7.712 min Scan# 787
 Delta R.T. 0.004 min
 Lab File: BG064503.D
 Acq: 14 Oct 2025 16:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.4	48.4	72.6
75	37.9	28.3	42.5





#13

1,4-Dichlorobenzene

Concen: 49.749 ng

RT: 7.859 min Scan# 812

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

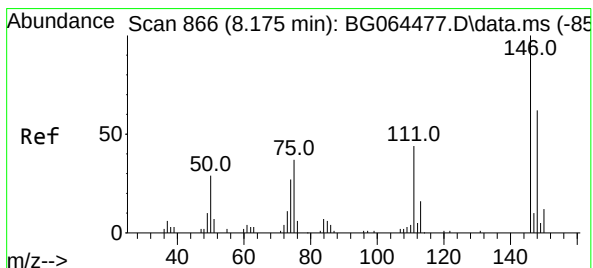
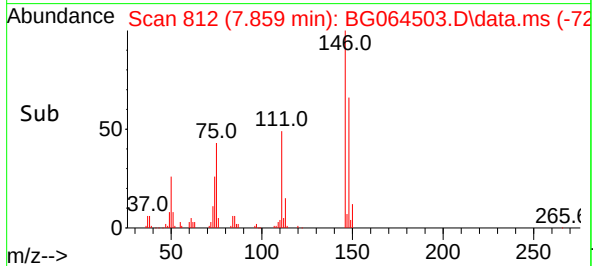
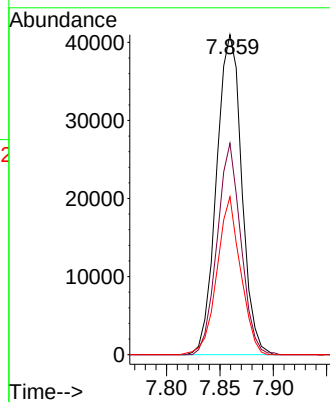
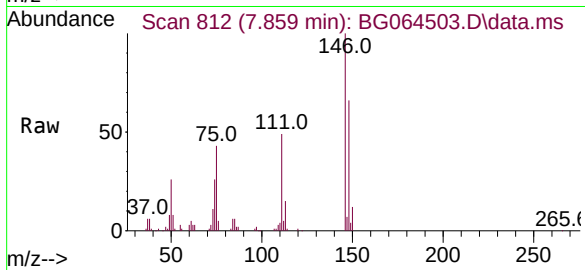
Tgt Ion:146 Resp: 67389

Ion Ratio Lower Upper

146 100

148 66.0 54.4 81.6

111 49.3 36.5 54.7



#14

1,2-Dichlorobenzene

Concen: 49.028 ng

RT: 8.177 min Scan# 866

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

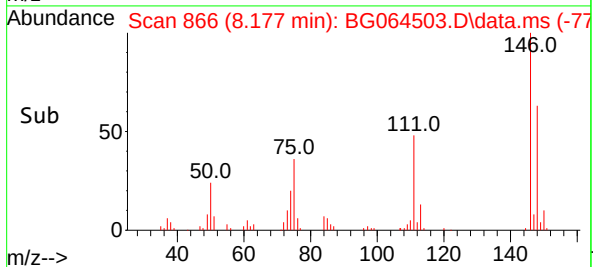
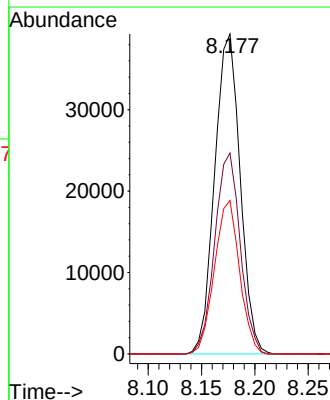
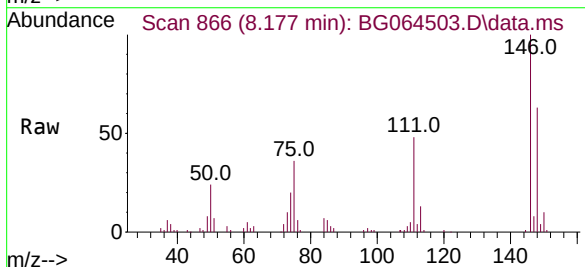
Tgt Ion:146 Resp: 65454

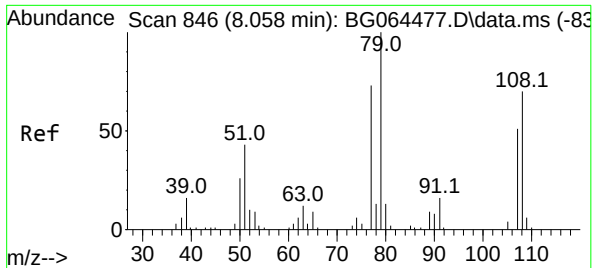
Ion Ratio Lower Upper

146 100

148 62.8 50.0 75.0

111 47.9 35.0 52.4





#15

Benzyl Alcohol

Concen: 51.413 ng

RT: 8.065 min Scan# 84

Delta R.T. 0.010 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

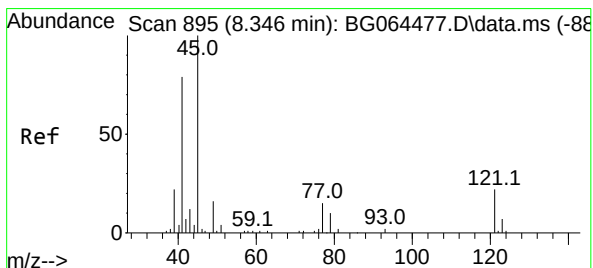
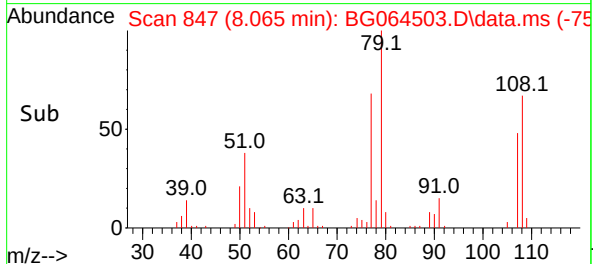
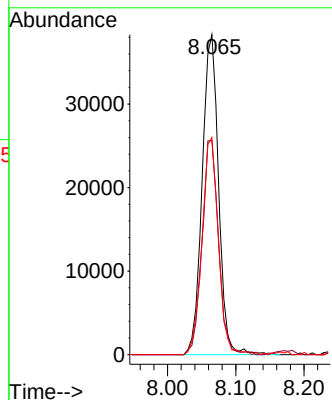
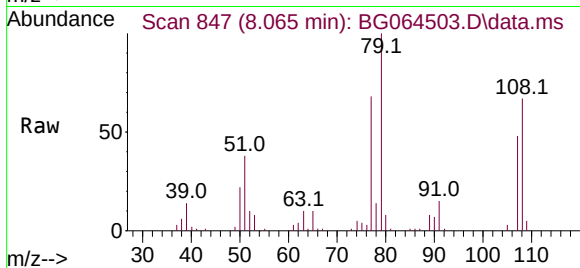
Tgt Ion: 79 Resp: 63931

Ion Ratio Lower Upper

79 100

108 66.8 56.4 84.6

77 67.8 58.3 87.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 47.607 ng

RT: 8.353 min Scan# 896

Delta R.T. 0.015 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

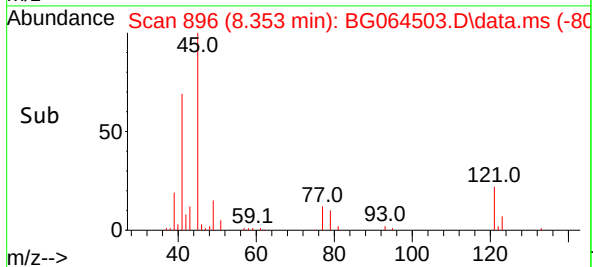
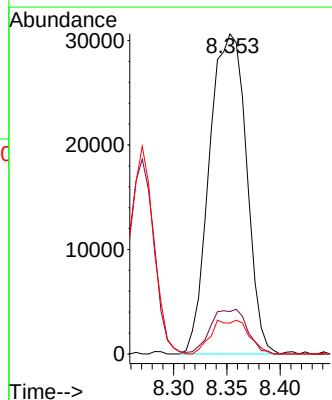
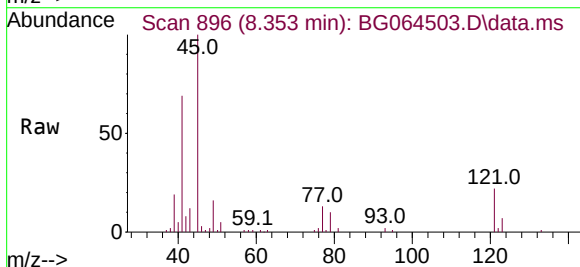
Tgt Ion: 45 Resp: 74023

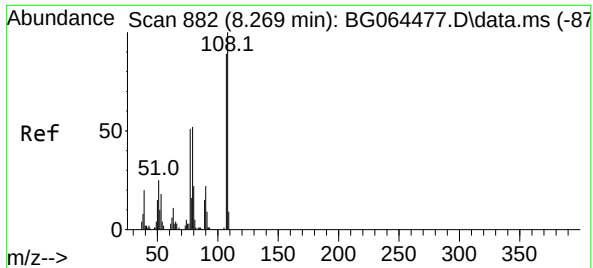
Ion Ratio Lower Upper

45 100

77 13.3 0.0 35.6

79 9.7 0.0 30.7

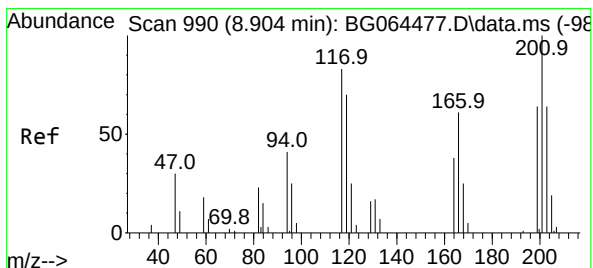
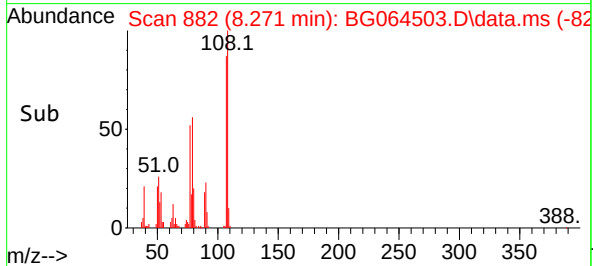
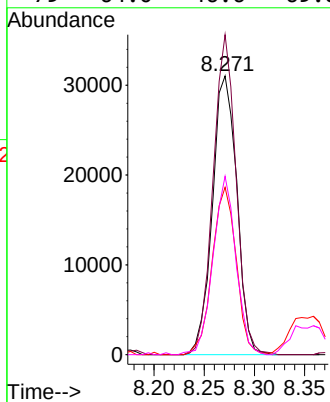
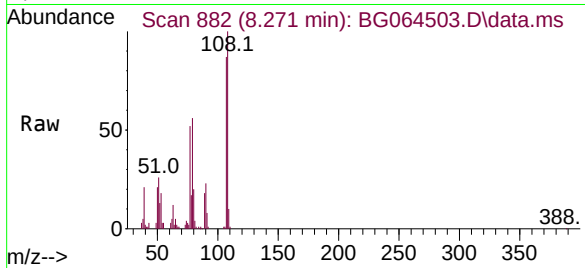




#17
2-Methylphenol
Concen: 51.092 ng
RT: 8.271 min Scan# 882
Delta R.T. 0.009 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

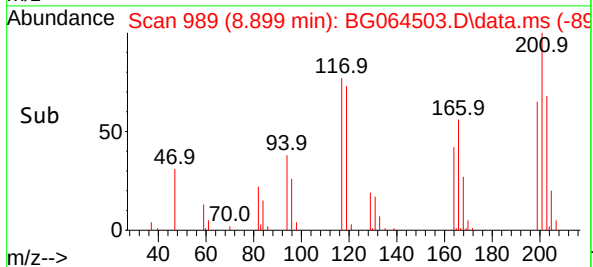
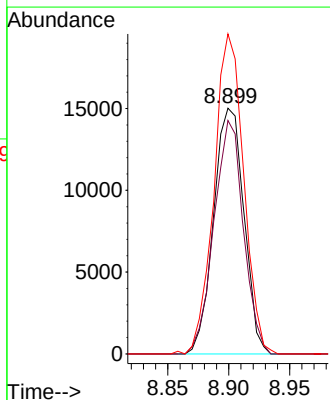
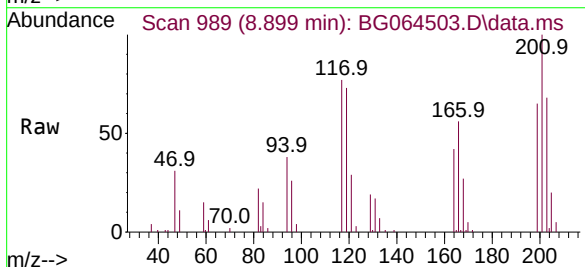
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

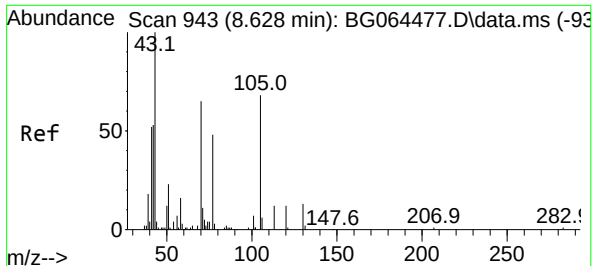
Tgt Ion:	107	Resp:	52697
Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.3	135.5
77	60.0	46.0	69.0
79	64.0	46.6	69.8



#18
Hexachloroethane
Concen: 48.629 ng
RT: 8.899 min Scan# 989
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:	117	Resp:	26001
Ion	Ratio	Lower	Upper
117	100		
119	95.0	67.4	101.0
201	130.2	95.9	143.9

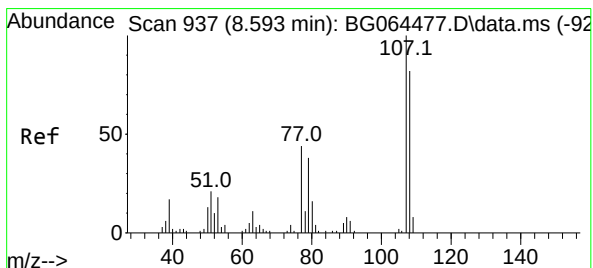
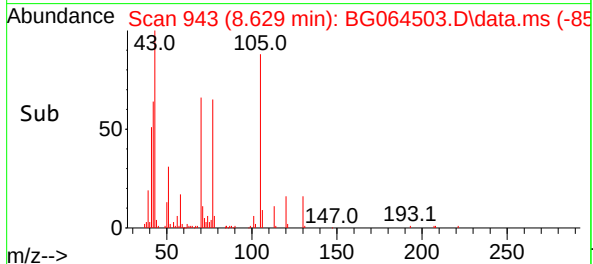
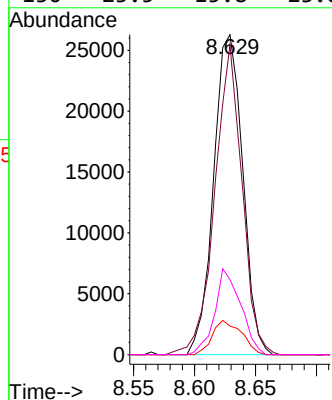
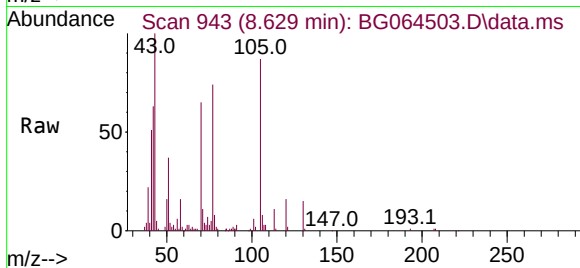




#19
n-Nitroso-di-n-propylamine
Concen: 48.316 ng
RT: 8.629 min Scan# 943
Delta R.T. 0.015 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

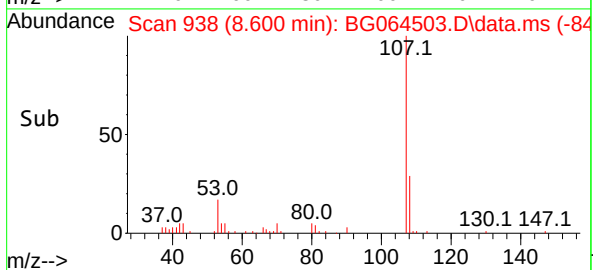
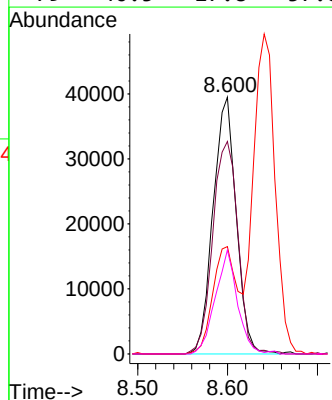
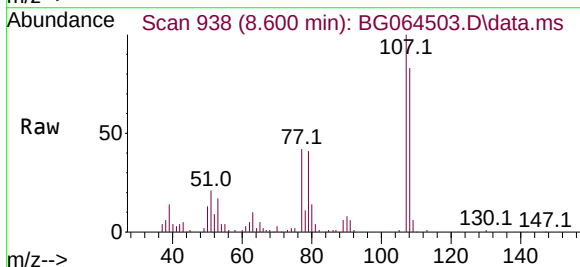
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

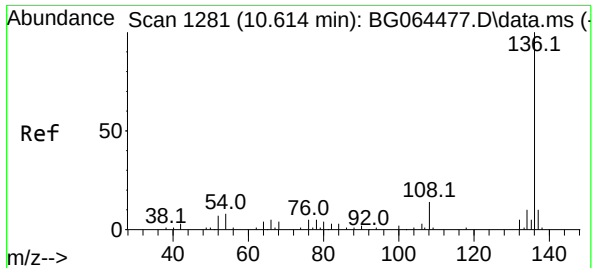
Tgt Ion:	70	Resp:	43630
Ion	Ratio	Lower	Upper
70	100		
42	96.8	64.9	97.3
101	8.9	8.7	13.1
130	23.5	15.8	23.8



#20
3+4-Methylphenols
Concen: 49.110 ng
RT: 8.600 min Scan# 938
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:	107	Resp:	70685
Ion	Ratio	Lower	Upper
107	100		
108	82.7	62.1	102.1
77	41.8	23.5	63.5
79	40.5	17.8	57.8

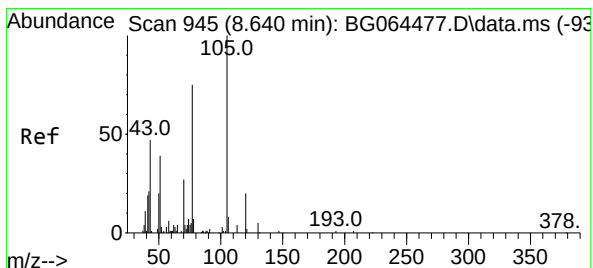
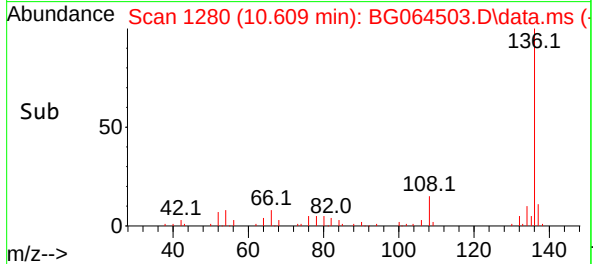
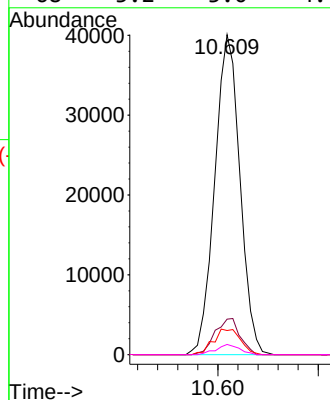
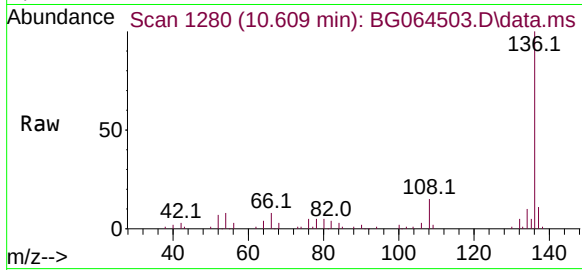




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 11
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

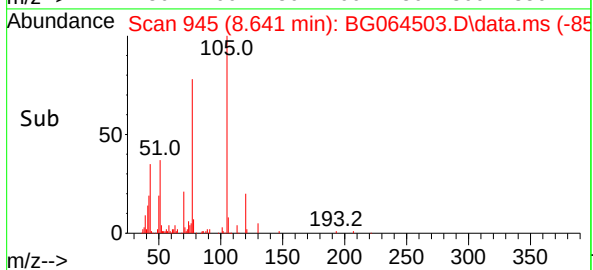
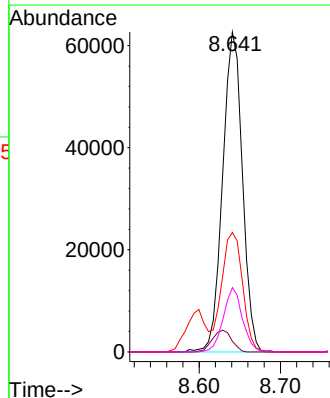
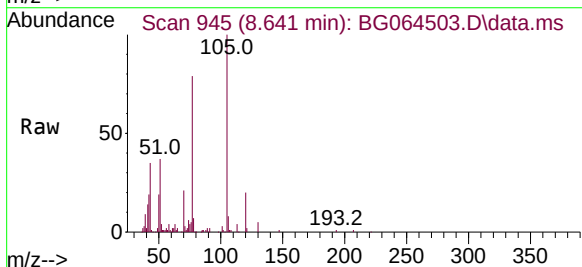
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

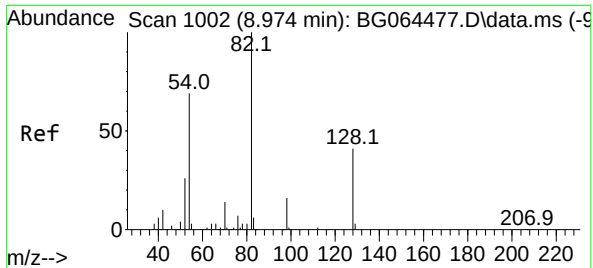
Tgt Ion:	136	Resp:	69814
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.3	12.5
54	7.5	6.2	9.4
68	3.2	3.0	4.4



#22
Acetophenone
Concen: 62.588 ng
RT: 8.641 min Scan# 945
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:	105	Resp:	105797
Ion	Ratio	Lower	Upper
105	100		
71	3.3	2.8	4.2
51	37.3	33.0	49.4
120	20.1	15.8	23.6





#23

Nitrobenzene-d5

Concen: 102.353 ng

RT: 8.976 min Scan# 1002

Delta R.T. 0.010 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

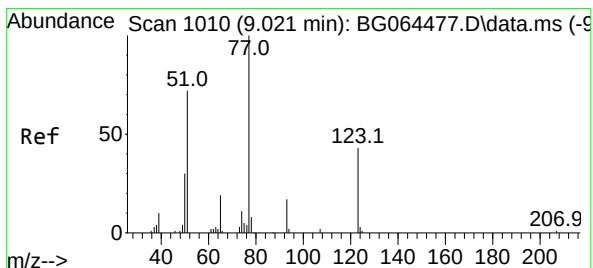
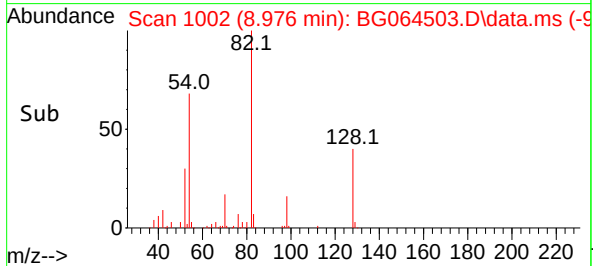
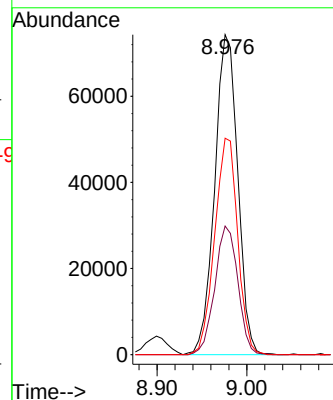
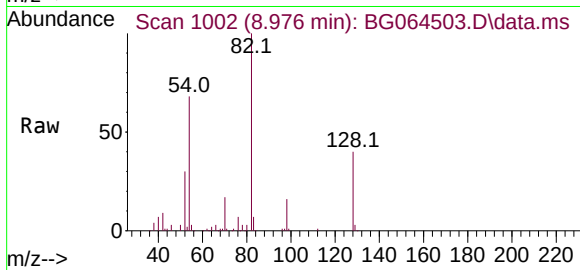
Tgt Ion: 82 Resp: 132893

Ion Ratio Lower Upper

82 100

128 40.2 33.1 49.7

54 67.6 55.4 83.2



#24

Nitrobenzene

Concen: 55.126 ng

RT: 9.017 min Scan# 1009

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

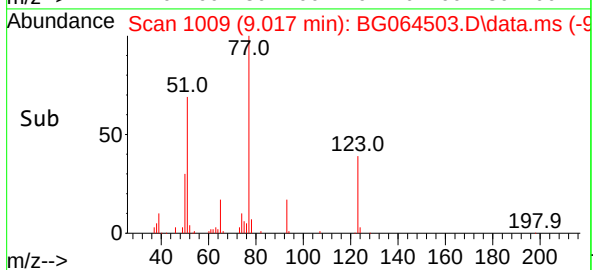
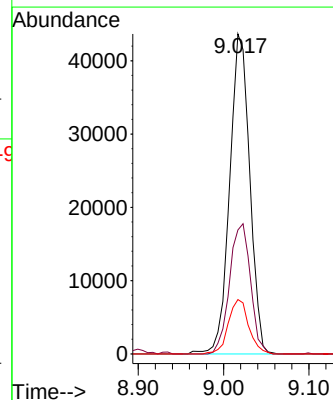
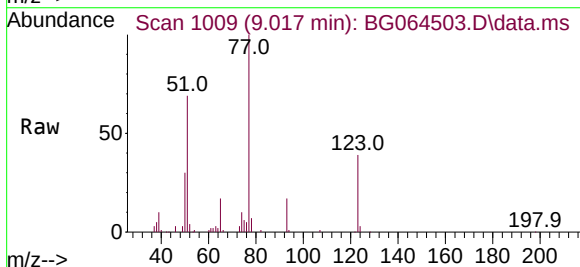
Tgt Ion: 77 Resp: 71375

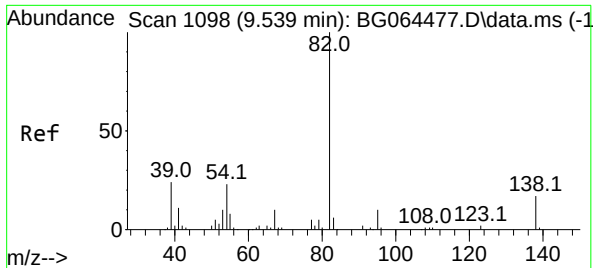
Ion Ratio Lower Upper

77 100

123 38.7 34.4 51.6

65 17.0 14.8 22.2

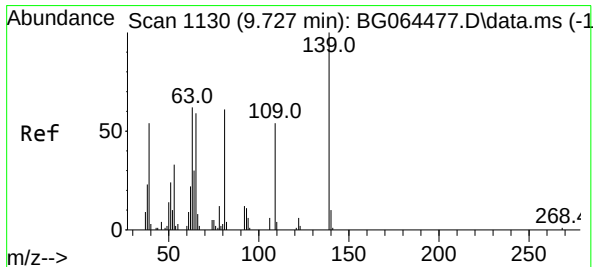
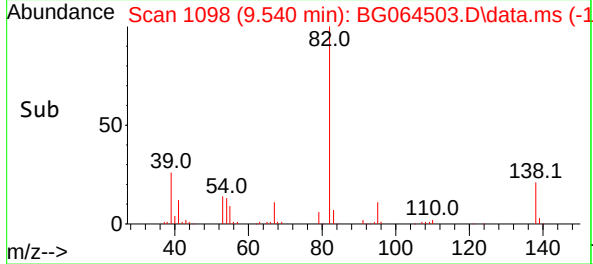
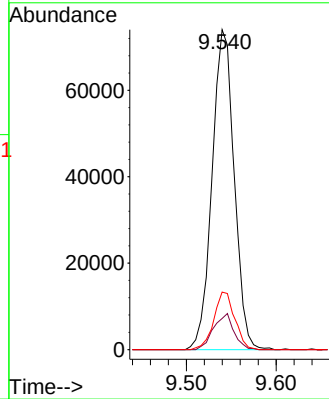
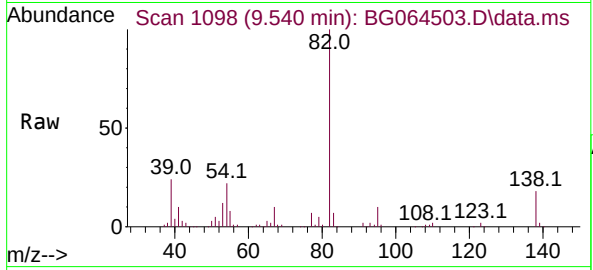




#25
Isophorone
Concen: 53.971 ng
RT: 9.540 min Scan# 1098
Delta R.T. 0.009 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

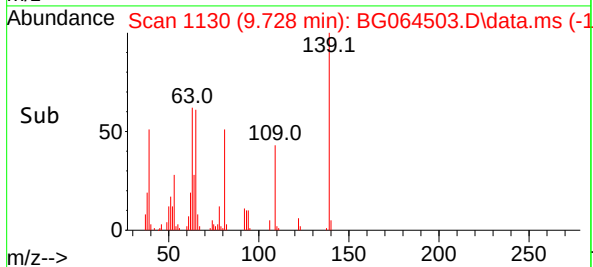
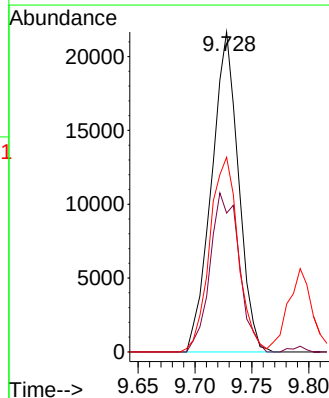
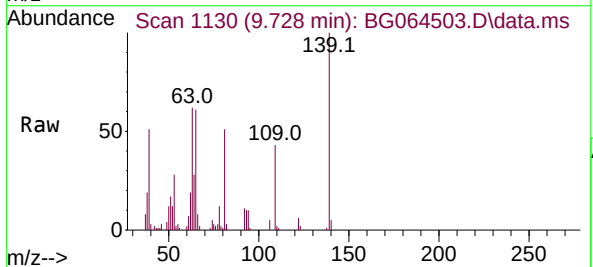
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

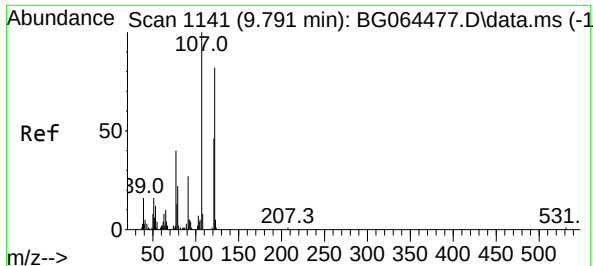
Tgt Ion: 82 Resp: 126946
Ion Ratio Lower Upper
82 100
95 9.7 7.8 11.8
138 18.0 13.8 20.6



#26
2-Nitrophenol
Concen: 55.352 ng
RT: 9.728 min Scan# 1130
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion: 139 Resp: 35669
Ion Ratio Lower Upper
139 100
109 43.4 43.0 64.6
65 60.8 47.4 71.2





#27

2,4-Dimethylphenol

Concen: 61.989 ng

RT: 9.792 min Scan# 1141

Delta R.T. 0.010 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

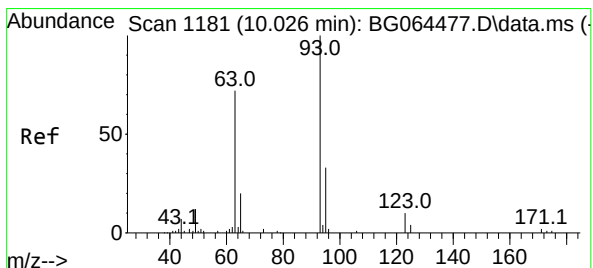
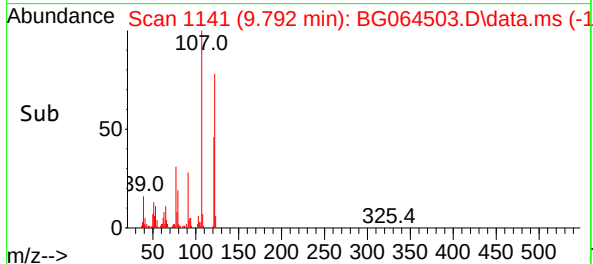
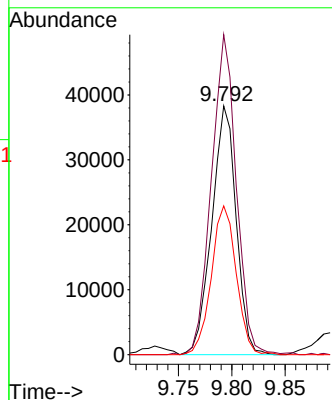
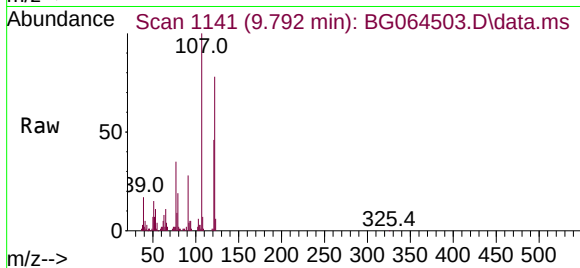
Tgt Ion:122 Resp: 61012

Ion Ratio Lower Upper

122 100

107 128.6 98.3 147.5

121 59.8 44.7 67.1



#28

bis(2-Chloroethoxy)methane

Concen: 55.032 ng

RT: 10.022 min Scan# 1180

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

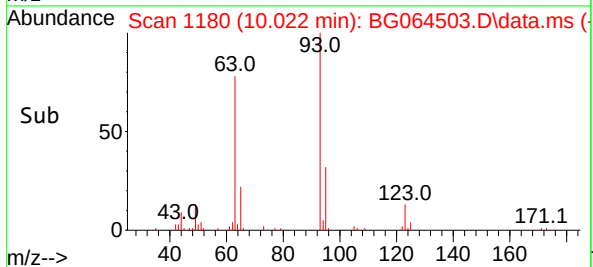
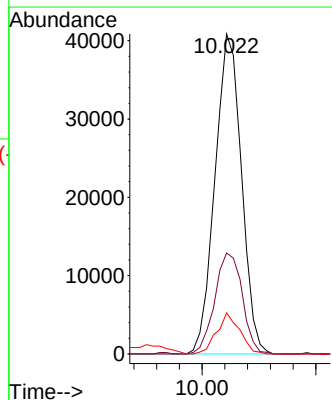
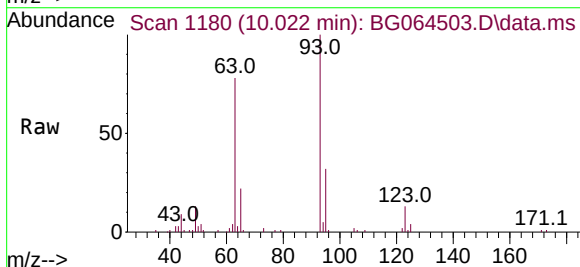
Tgt Ion: 93 Resp: 65982

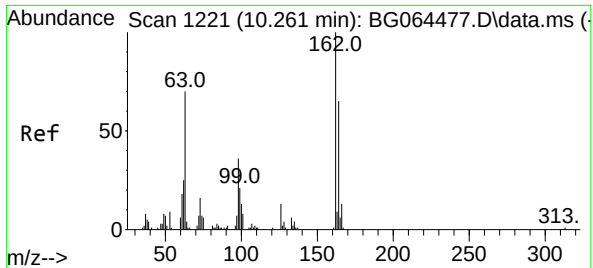
Ion Ratio Lower Upper

93 100

95 31.5 26.5 39.7

123 12.8 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 56.241 ng

RT: 10.262 min Scan# 1221

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

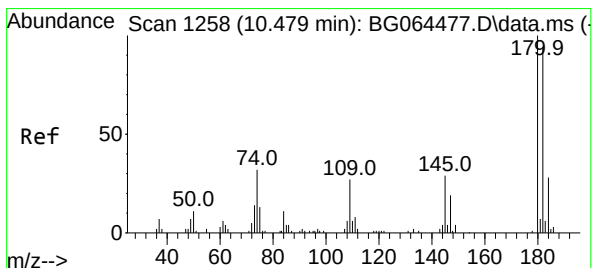
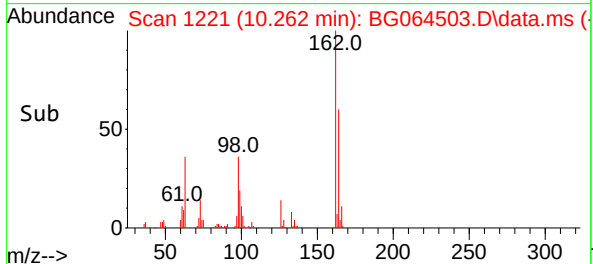
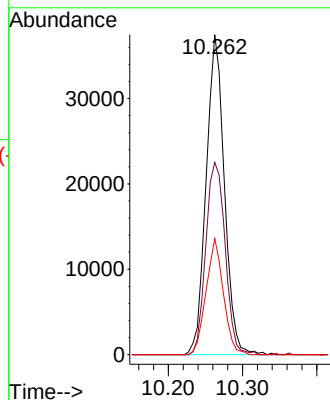
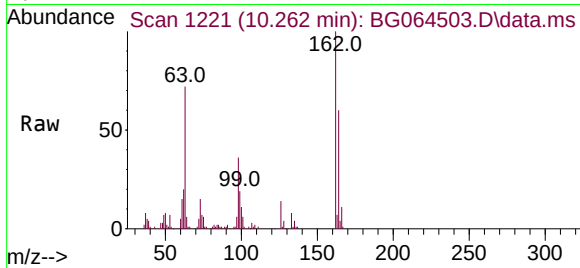
Tgt Ion:162 Resp: 64011

Ion Ratio Lower Upper

162 100

164 60.1 45.4 85.4

98 36.2 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 57.612 ng

RT: 10.474 min Scan# 1257

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

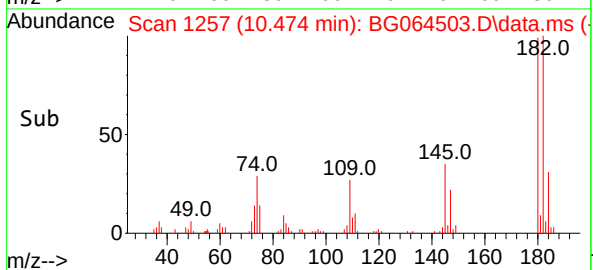
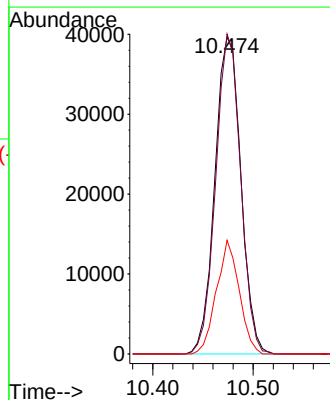
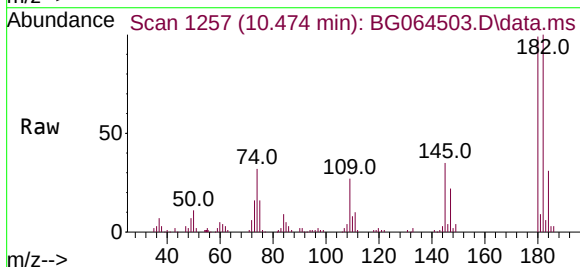
Tgt Ion:180 Resp: 71496

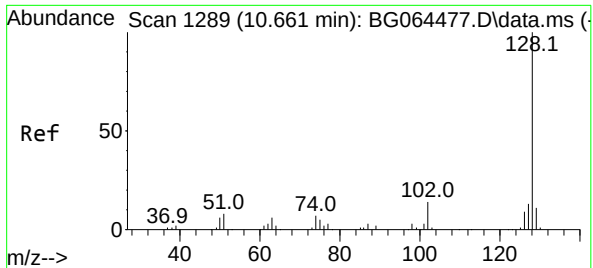
Ion Ratio Lower Upper

180 100

182 101.0 75.4 113.2

145 35.9 23.2 34.8#

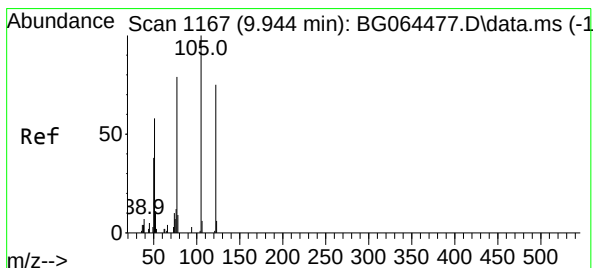
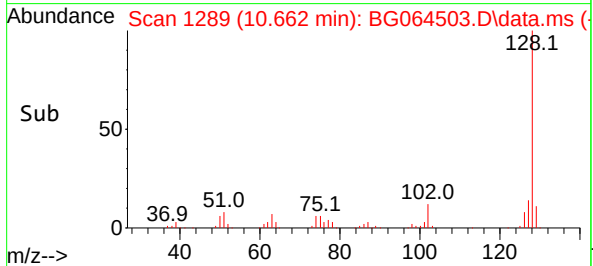
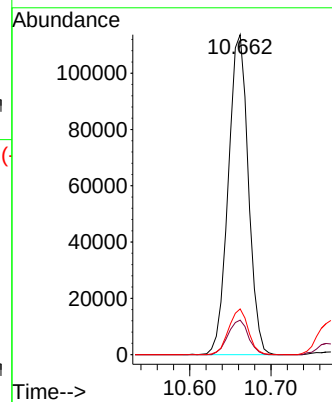
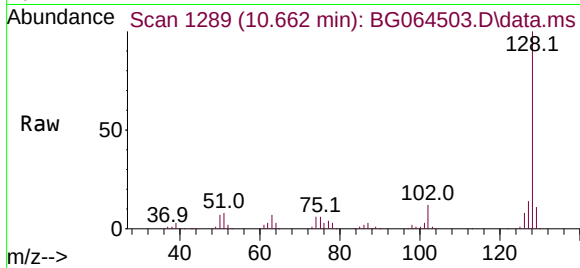




#31
Naphthalene
Concen: 54.074 ng
RT: 10.662 min Scan# 1170
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

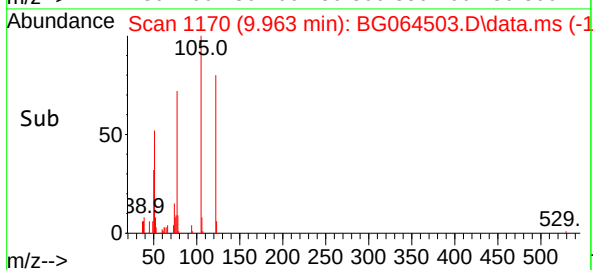
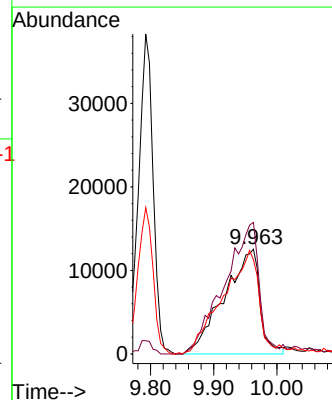
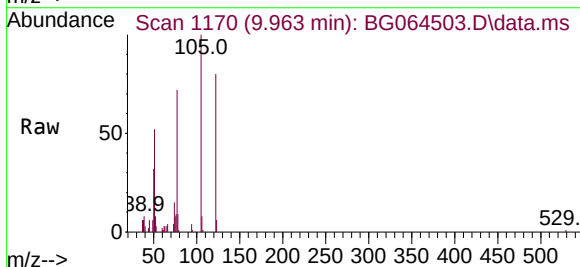
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

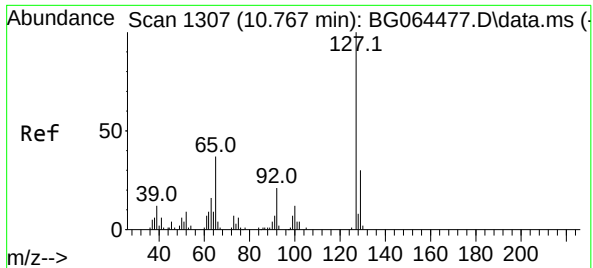
Tgt Ion:128 Resp: 194399
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 14.3 10.2 15.2



#32
Benzoic acid
Concen: 65.060 ng
RT: 9.963 min Scan# 1170
Delta R.T. 0.074 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:122 Resp: 49164
Ion Ratio Lower Upper
122 100
105 125.4 113.9 153.9
77 89.9 86.1 126.1

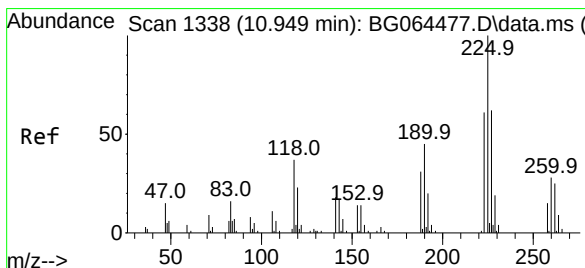
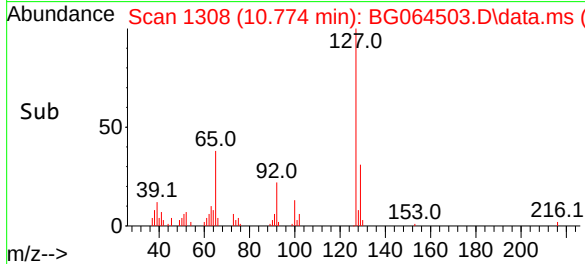
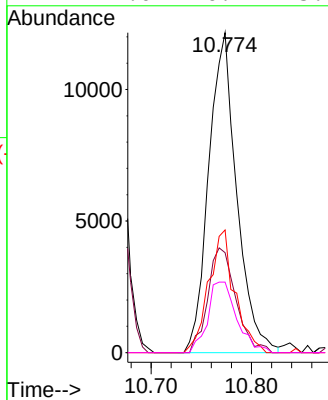
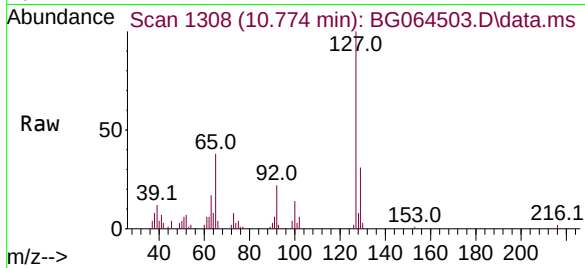




#33
4-Chloroaniline
Concen: 17.112 ng
RT: 10.774 min Scan# 1307
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

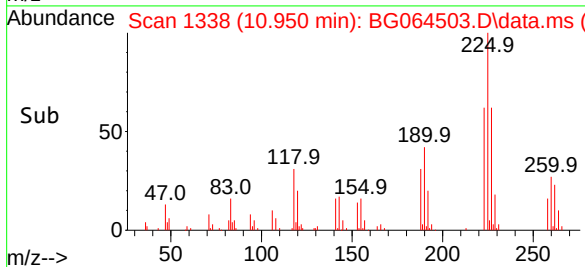
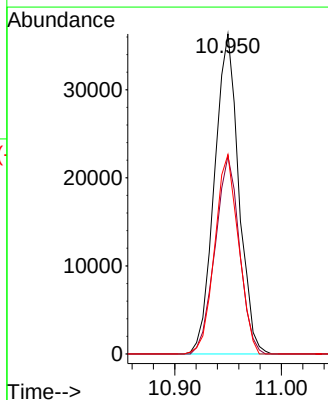
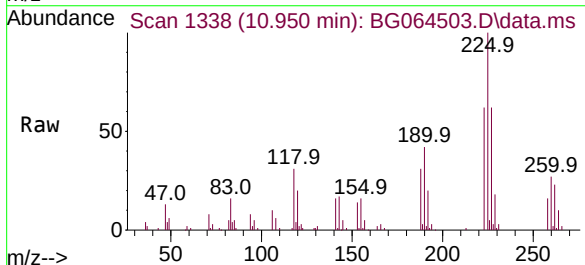
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

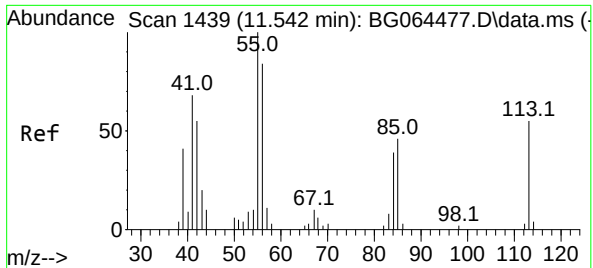
Tgt Ion:	127	Resp:	23607
Ion Ratio	Lower	Upper	
127	100		
129	31.2	24.2	36.4
65	38.3	29.6	44.4
92	22.0	16.7	25.1



#34
Hexachlorobutadiene
Concen: 54.177 ng
RT: 10.950 min Scan# 1338
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:	225	Resp:	57580
Ion Ratio	Lower	Upper	
225	100		
223	61.8	49.0	73.6
227	62.3	49.9	74.9





#35

Caprolactam

Concen: 48.709 ng m

RT: 11.543 min Scan# 14

Delta R.T. 0.033 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

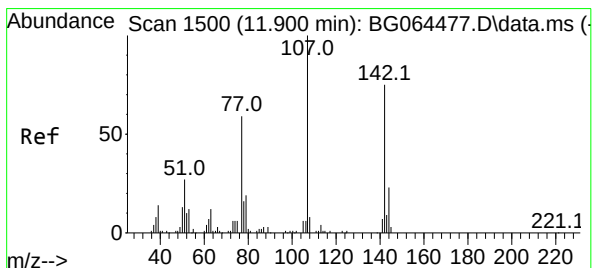
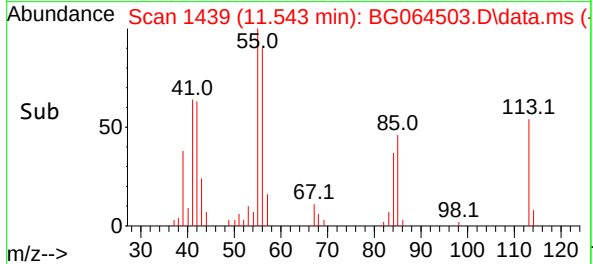
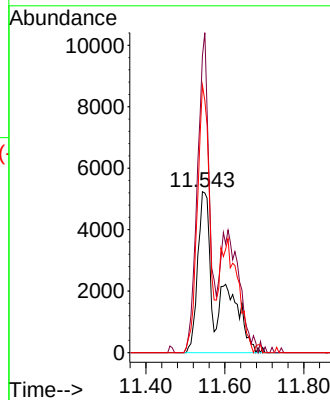
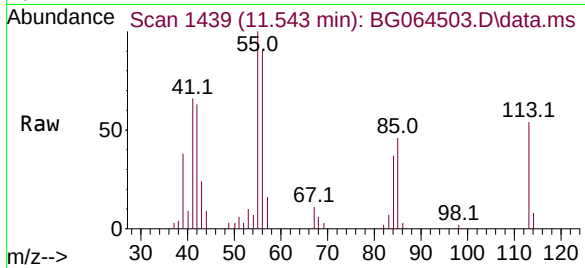
Tgt Ion:113 Resp: 18979

Ion Ratio Lower Upper

113 100

55 184.4 162.0 202.0

56 166.0 134.6 174.6



#36

4-Chloro-3-methylphenol

Concen: 54.028 ng

RT: 11.902 min Scan# 1500

Delta R.T. 0.010 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

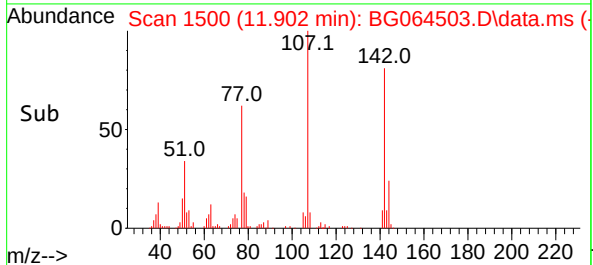
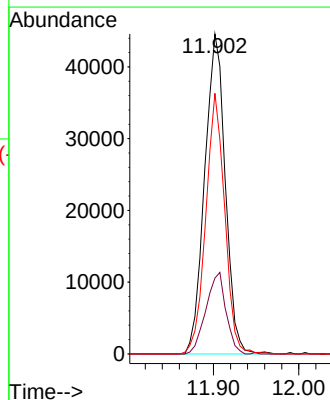
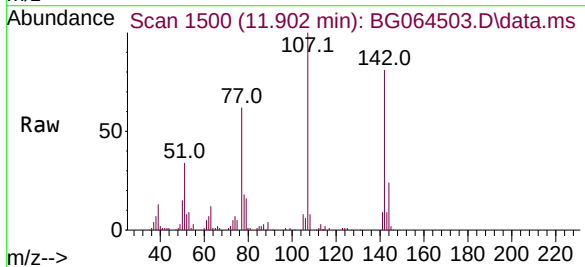
Tgt Ion:107 Resp: 74780

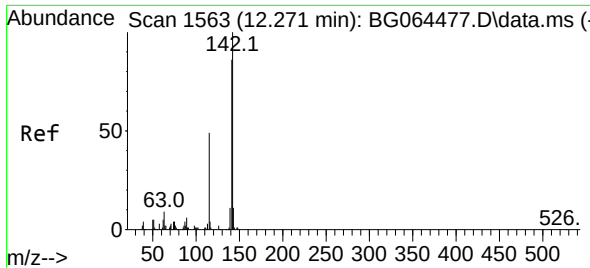
Ion Ratio Lower Upper

107 100

144 23.7 18.7 28.1

142 81.4 60.2 90.2

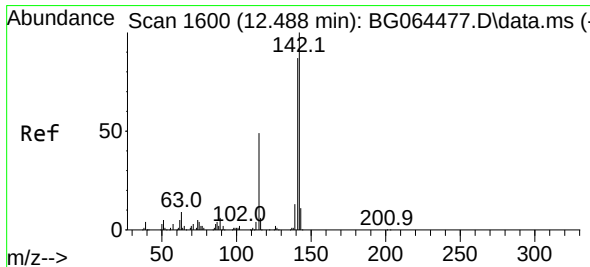
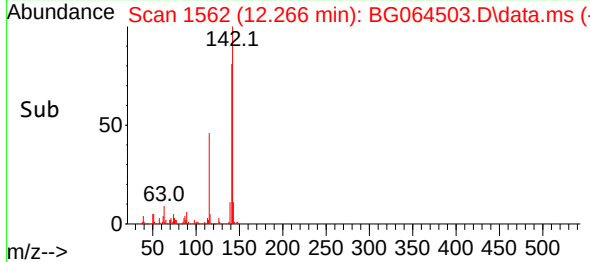
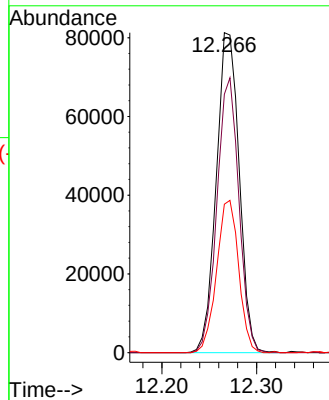
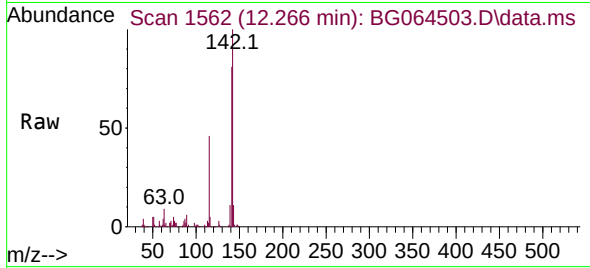




#37
2-Methylnaphthalene
Concen: 49.462 ng
RT: 12.266 min Scan# 1563
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

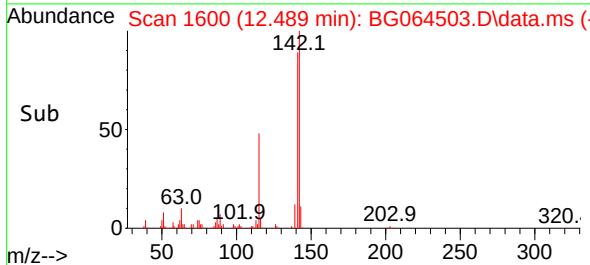
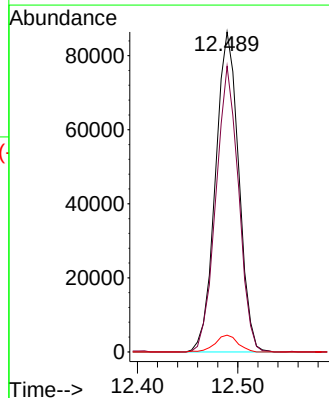
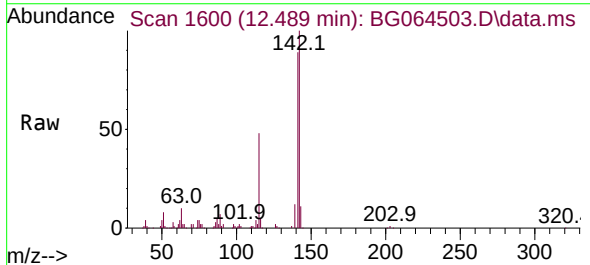
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

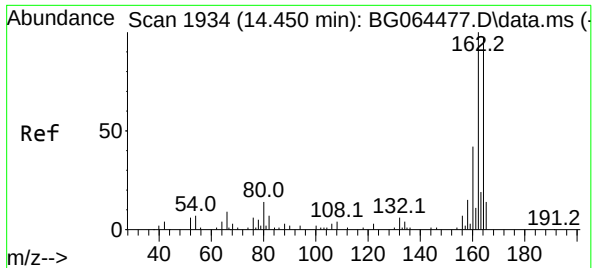
Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.7	68.7	103.1
115	46.4	39.3	58.9



#38
1-Methylnaphthalene
Concen: 50.664 ng
RT: 12.489 min Scan# 1600
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	69.8	104.8
116	5.2	4.6	6.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.452 min Scan# 1934

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

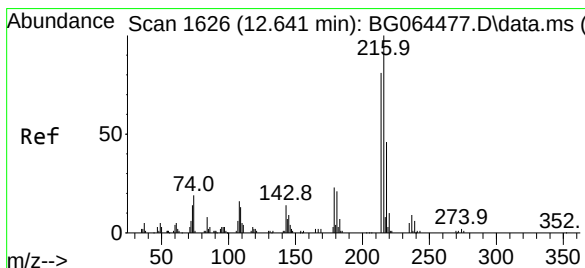
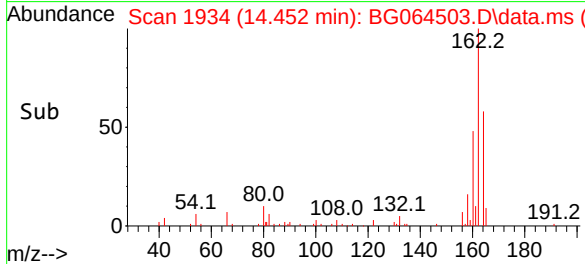
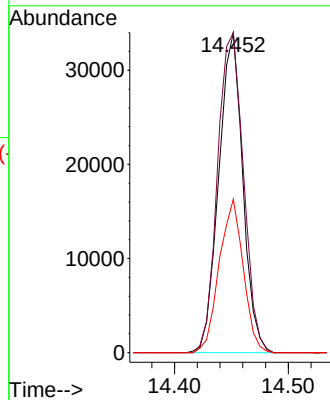
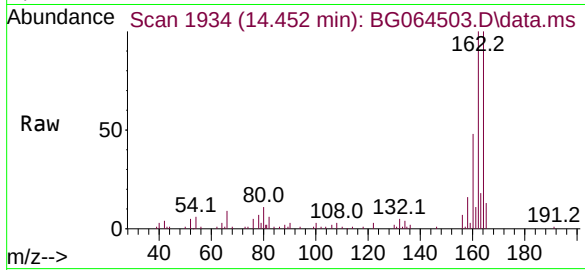
Tgt Ion:164 Resp: 49830

Ion Ratio Lower Upper

164 100

162 100.0 82.2 123.2

160 48.0 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 63.258 ng

RT: 12.642 min Scan# 1626

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Tgt Ion:216 Resp: 101777

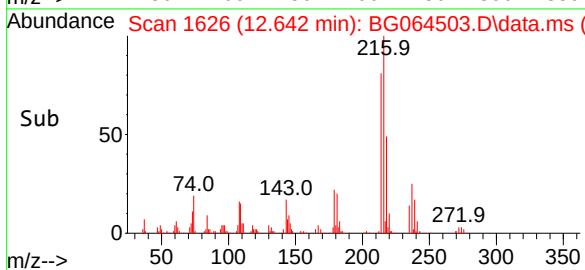
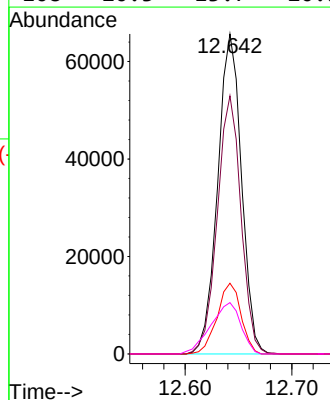
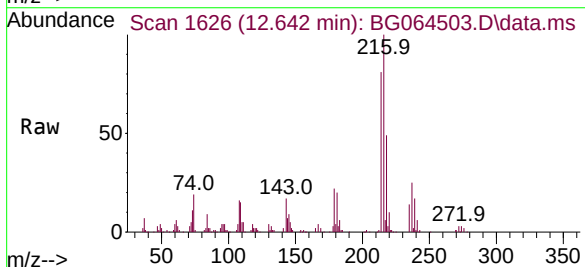
Ion Ratio Lower Upper

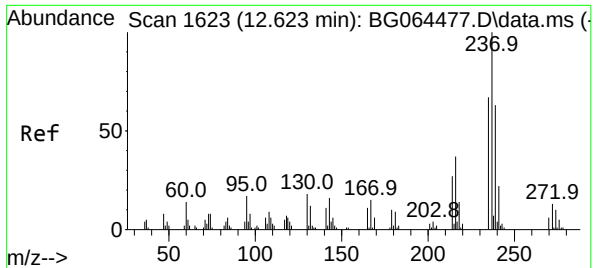
216 100

214 80.3 62.5 93.7

179 22.2 17.0 25.6

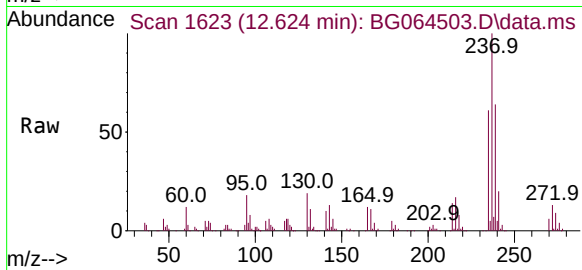
108 20.3 13.7 20.5



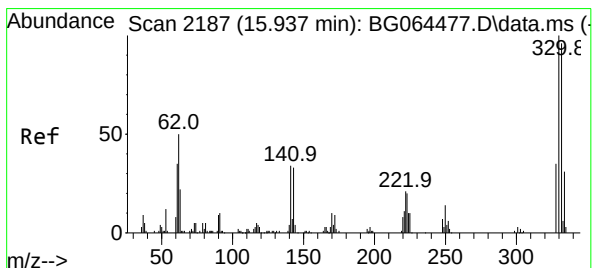
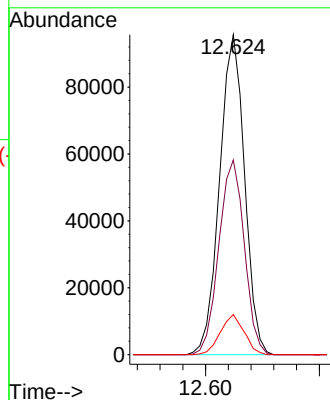
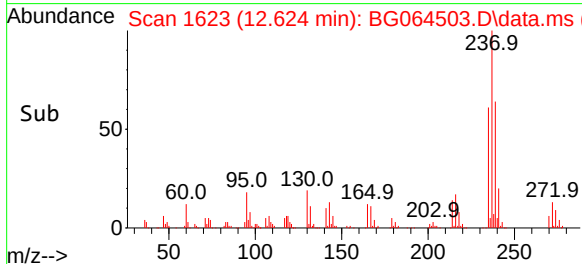


#41
Hexachlorocyclopentadiene
Concen: 172.901 ng
RT: 12.624 min Scan# 1623
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

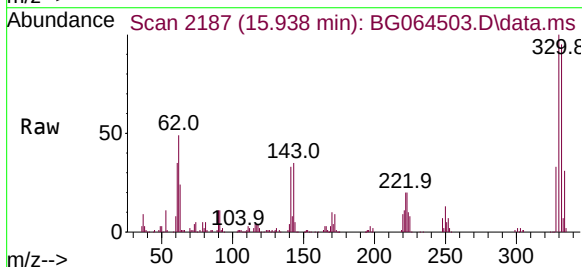
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS



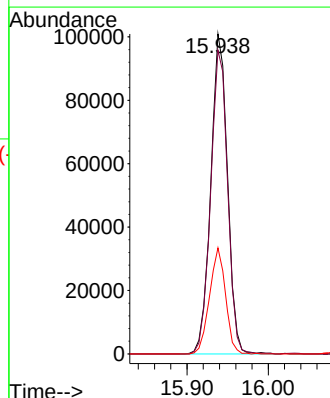
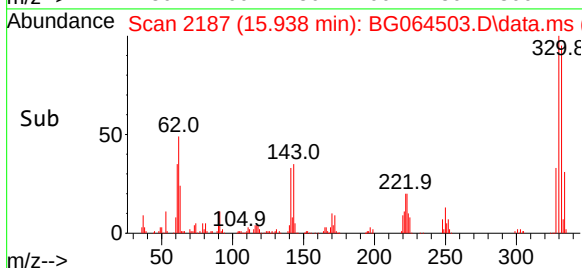
Tgt Ion	Ratio	Lower	Upper
237	100		
235	60.8	46.9	86.9
272	12.5	0.0	32.6

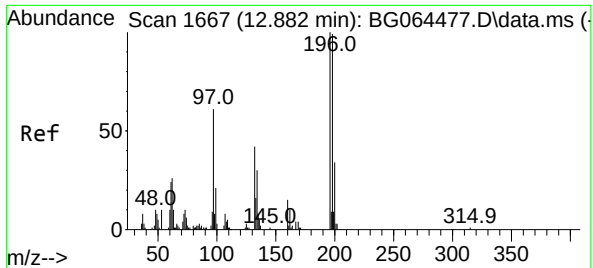


#42
2,4,6-Tribromophenol
Concen: 159.890 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52



Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.4	116.0
141	31.7	25.8	38.6

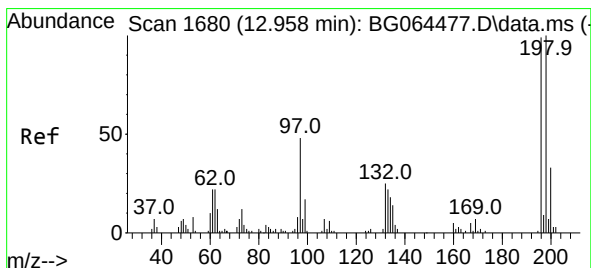
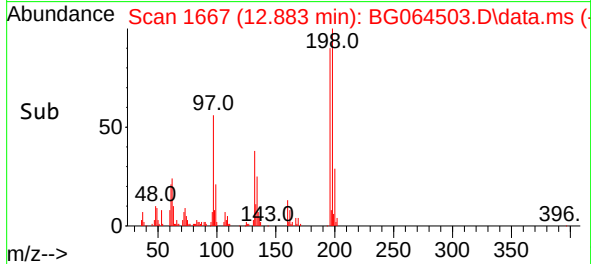
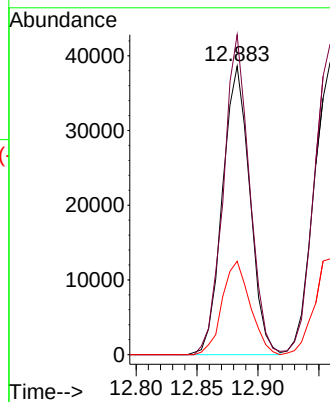
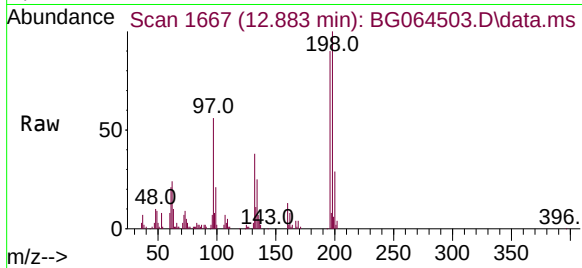




#43
2,4,6-Trichlorophenol
Concen: 58.500 ng
RT: 12.883 min Scan# 1667
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

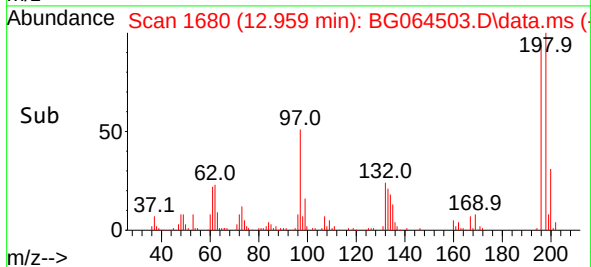
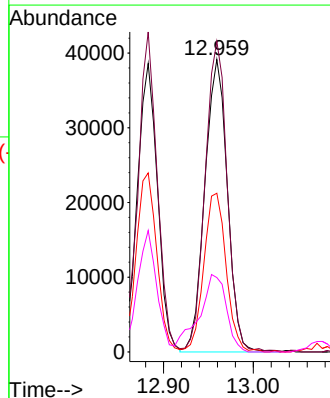
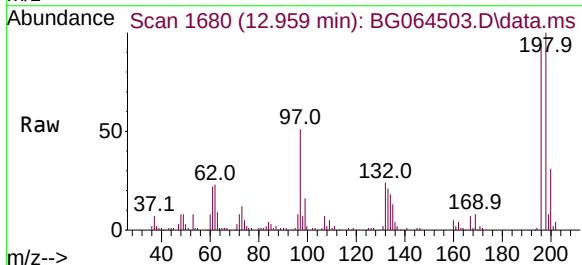
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

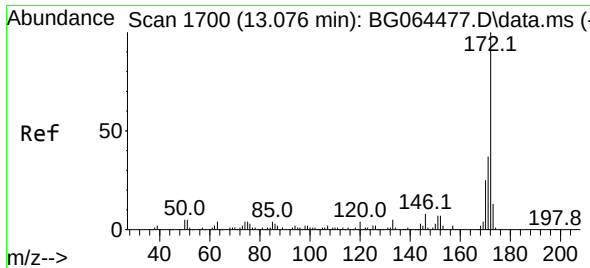
Tgt Ion	196	198	200
Resp:	60168	111.0	32.4
Ratio	100	111.0	32.4
Lower		79.3	27.4
Upper		118.9	41.2



#44
2,4,5-Trichlorophenol
Concen: 59.793 ng
RT: 12.959 min Scan# 1680
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion	196	198	97	132
Resp:	68658	106.3	54.3	25.4
Ratio	100	106.3	54.3	25.4
Lower		80.3	39.4	19.8
Upper		120.5	59.0	29.8

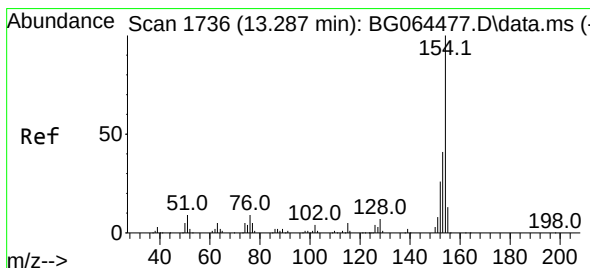
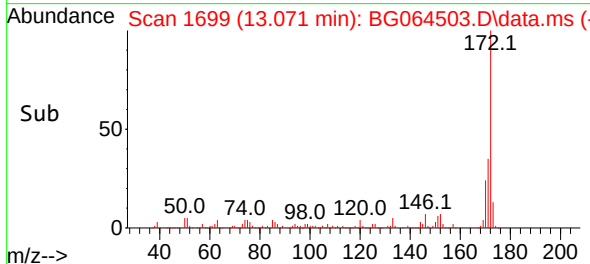
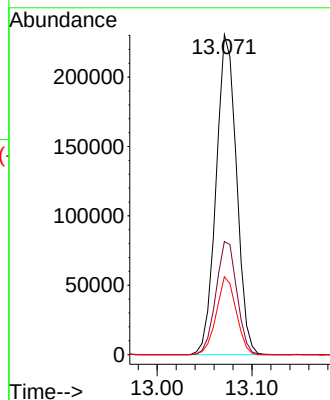
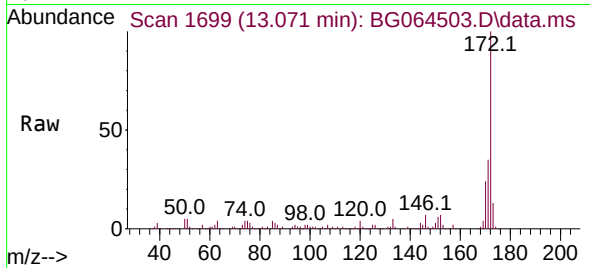




#45
2-Fluorobiphenyl
Concen: 101.873 ng
RT: 13.071 min Scan# 1699
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

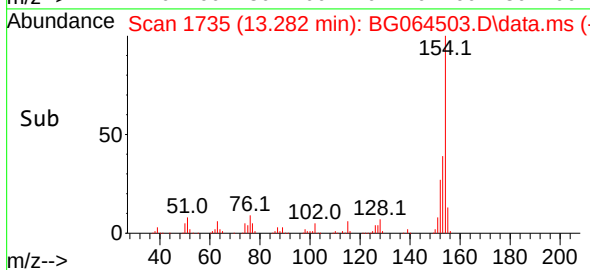
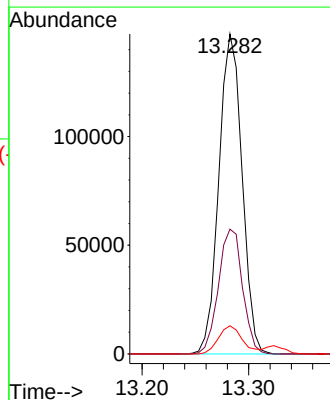
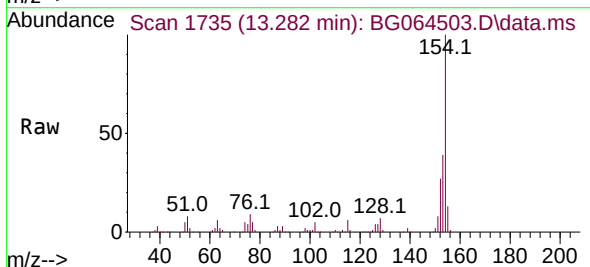
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

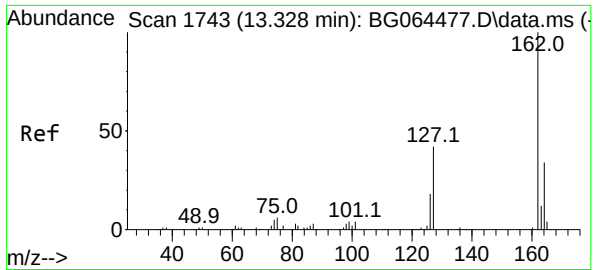
Tgt Ion:172 Resp: 344392
Ion Ratio Lower Upper
172 100
171 35.3 29.6 44.4
170 24.3 20.2 30.2



#46
1,1'-Biphenyl
Concen: 62.206 ng
RT: 13.282 min Scan# 1735
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:154 Resp: 222941
Ion Ratio Lower Upper
154 100
153 39.0 20.7 60.7
76 8.8 0.0 29.3





#47

2-Chloronaphthalene

Concen: 57.568 ng

RT: 13.324 min Scan# 1742

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

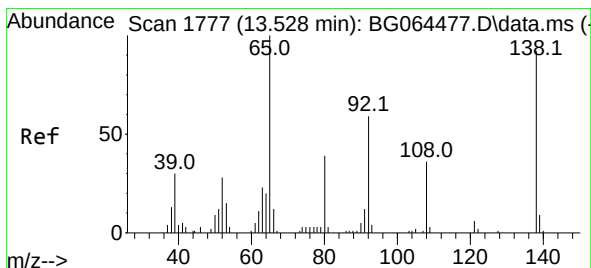
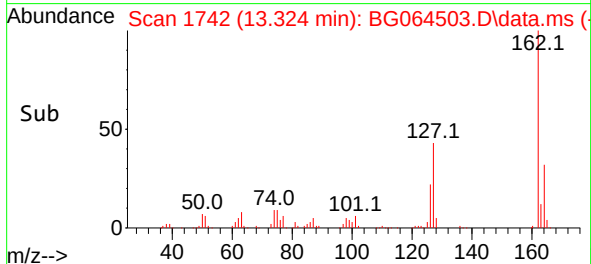
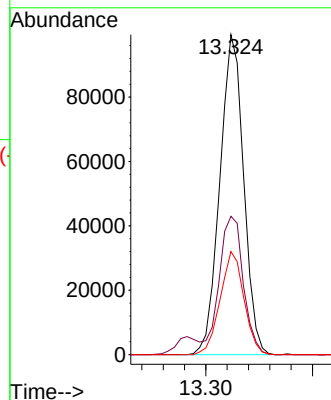
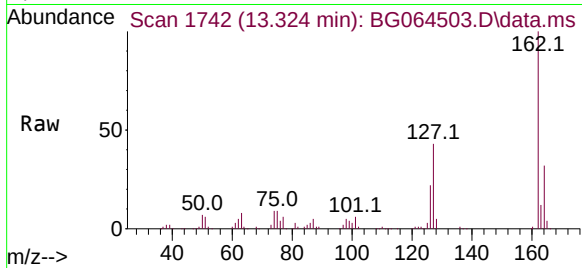
Tgt Ion:162 Resp: 154043

Ion Ratio Lower Upper

162 100

127 43.2 35.8 53.8

164 32.2 27.2 40.8



#48

2-Nitroaniline

Concen: 59.762 ng

RT: 13.529 min Scan# 1777

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

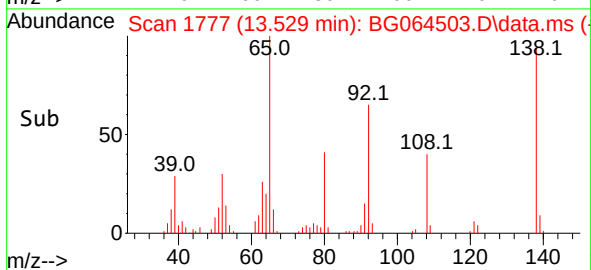
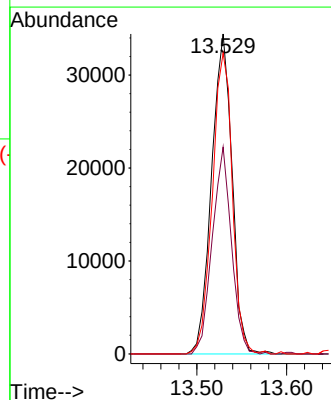
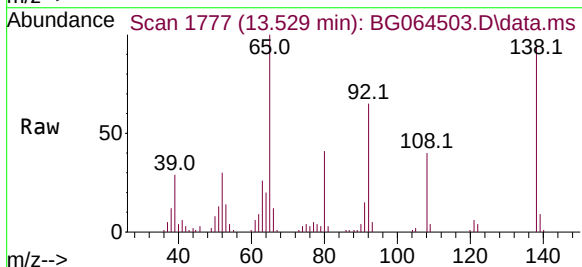
Tgt Ion: 65 Resp: 54579

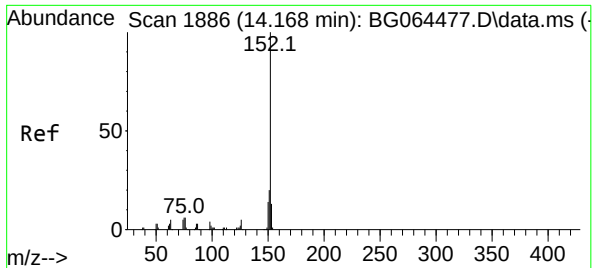
Ion Ratio Lower Upper

65 100

92 64.6 47.0 70.6

138 94.0 73.5 110.3





#49

Acenaphthylene

Concen: 64.841 ng

RT: 14.170 min Scan# 1886

Delta R.T. -0.002 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

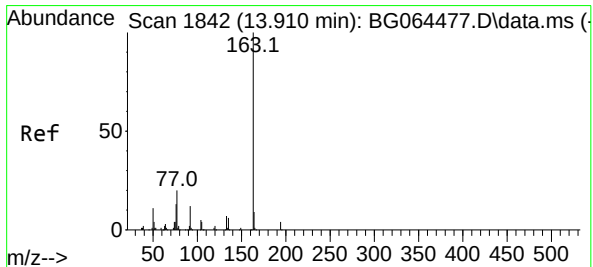
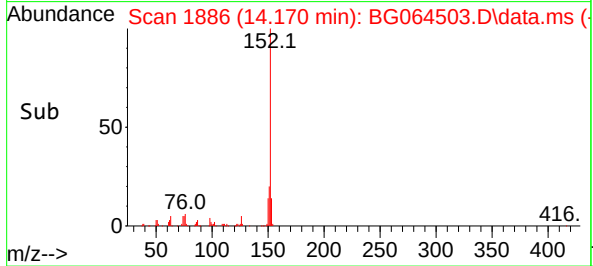
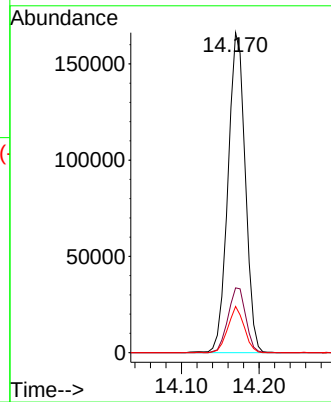
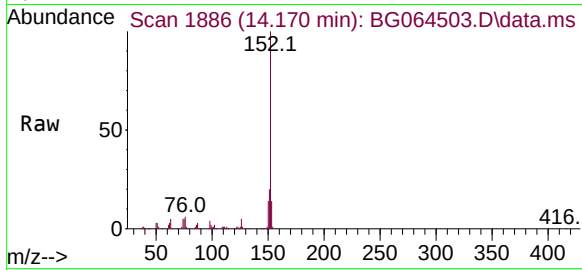
Tgt Ion:152 Resp: 257562

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.6

153 14.4 10.6 15.8



#50

Dimethylphthalate

Concen: 55.963 ng

RT: 13.911 min Scan# 1842

Delta R.T. 0.010 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

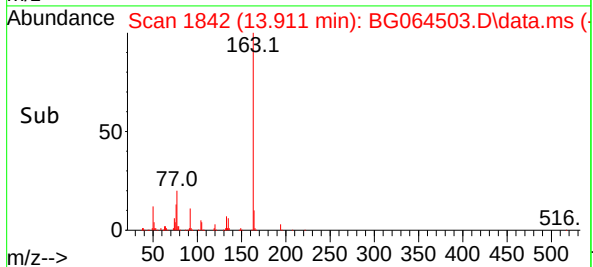
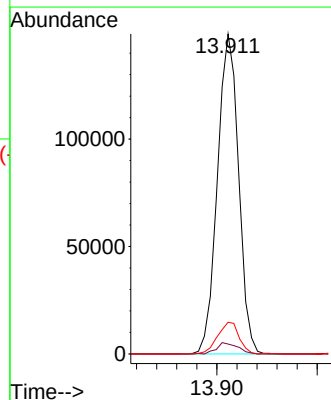
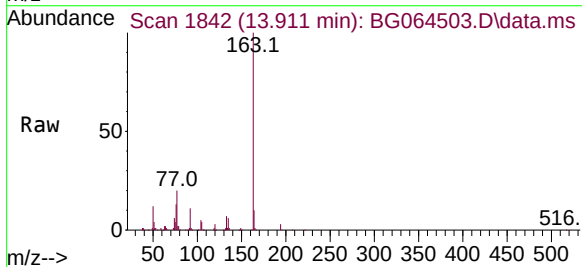
Tgt Ion:163 Resp: 218408

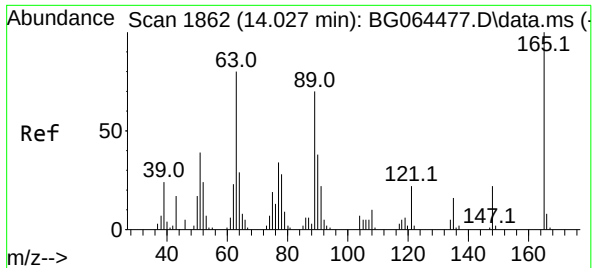
Ion Ratio Lower Upper

163 100

194 3.1 2.9 4.3

164 9.9 7.4 11.0

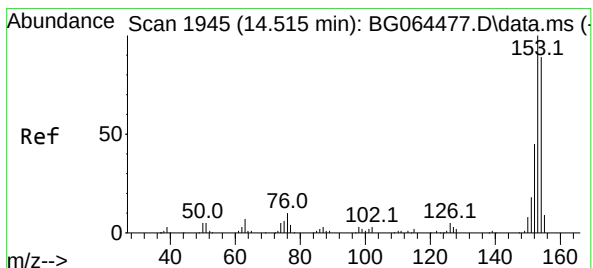
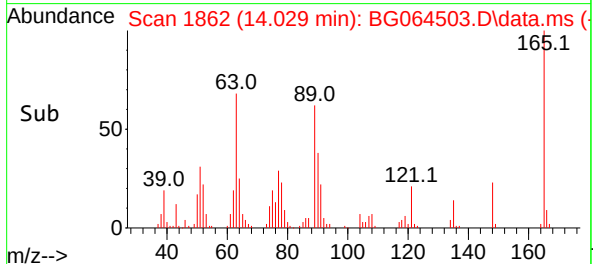
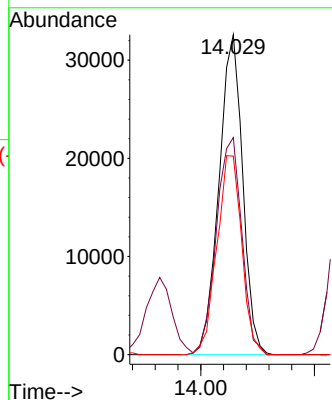
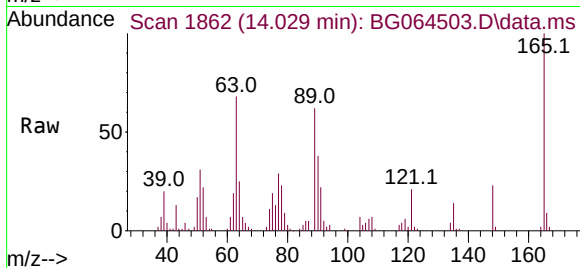




#51
2,6-Dinitrotoluene
Concen: 57.991 ng
RT: 14.029 min Scan# 1862
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

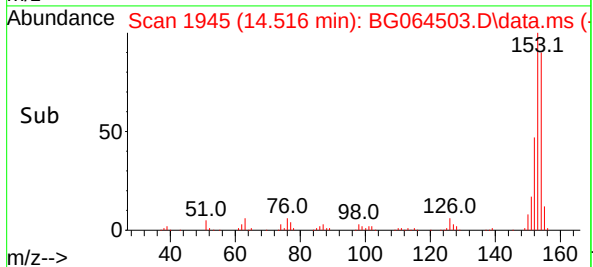
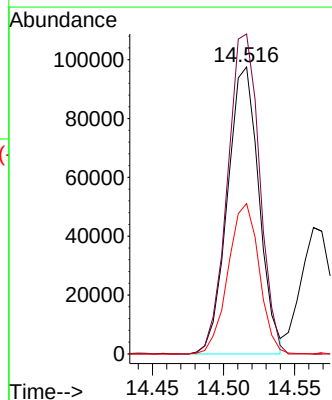
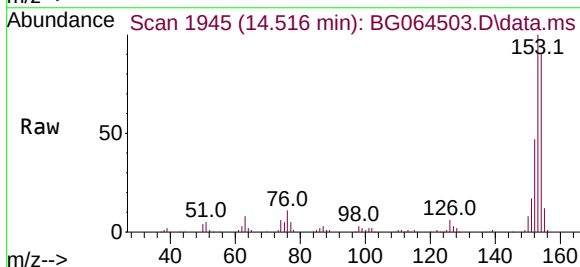
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

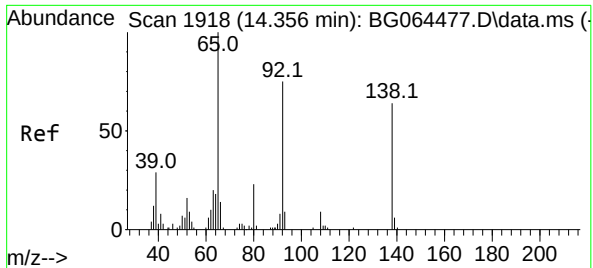
Tgt Ion:165 Resp: 47146
Ion Ratio Lower Upper
165 100
63 67.8 63.9 95.9
89 62.0 56.1 84.1



#52
Acenaphthene
Concen: 54.485 ng
RT: 14.516 min Scan# 1945
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:154 Resp: 150360
Ion Ratio Lower Upper
154 100
153 111.5 90.2 135.4
152 52.4 40.2 60.4

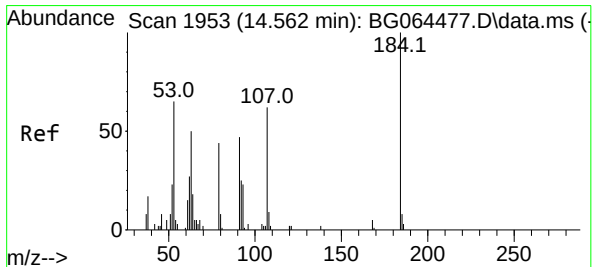
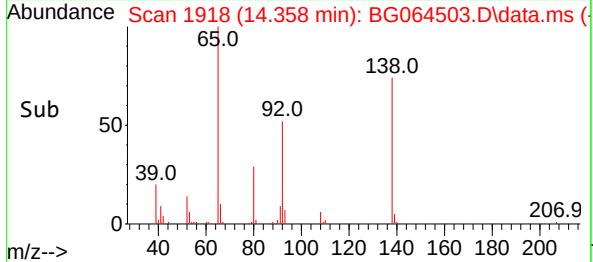
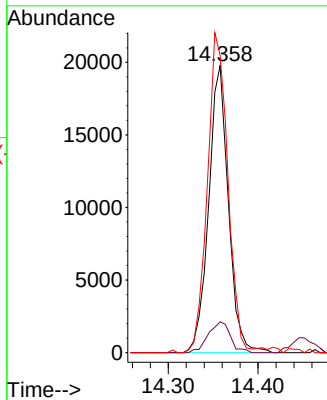
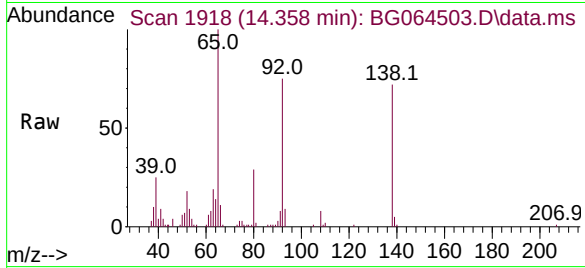




#53
3-Nitroaniline
Concen: 40.277 ng
RT: 14.358 min Scan# 1918
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

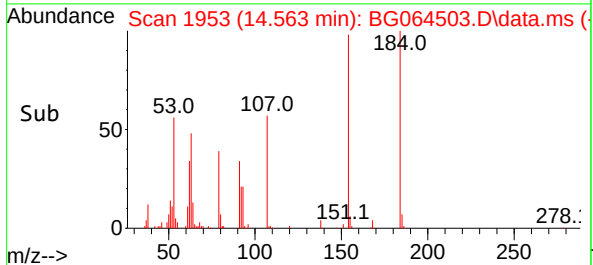
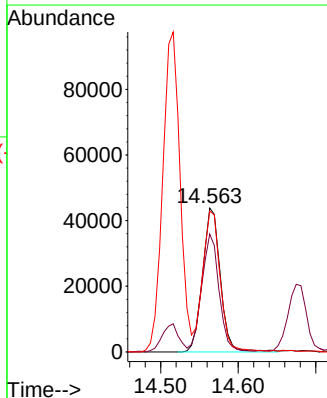
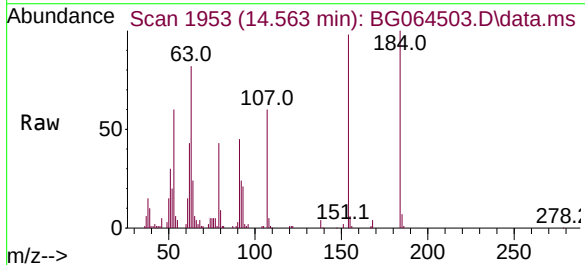
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

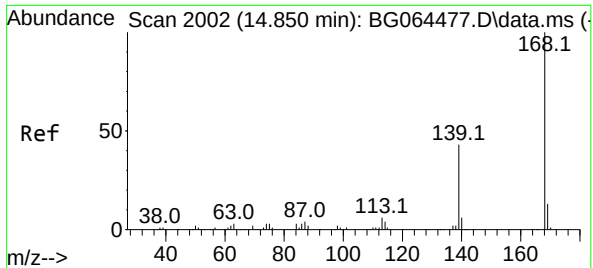
Tgt Ion:138 Resp: 30198
Ion Ratio Lower Upper
138 100
108 10.7 10.6 15.8
92 103.6 93.2 139.8



#54
2,4-Dinitrophenol
Concen: 118.598 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:184 Resp: 69914
Ion Ratio Lower Upper
184 100
63 81.9 69.0 103.4
154 98.0 95.6 143.4

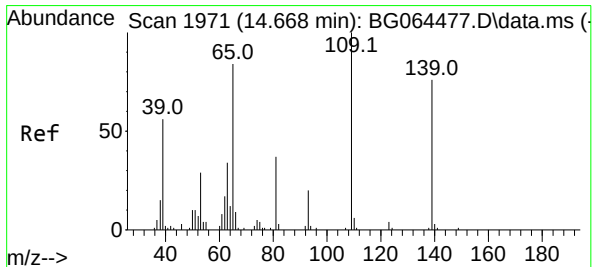
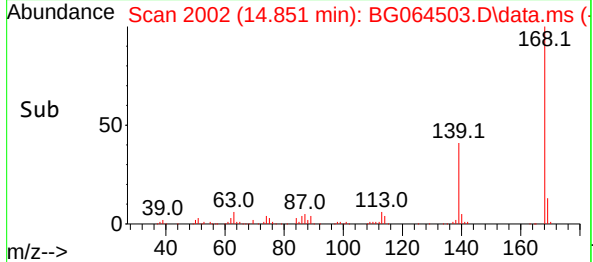
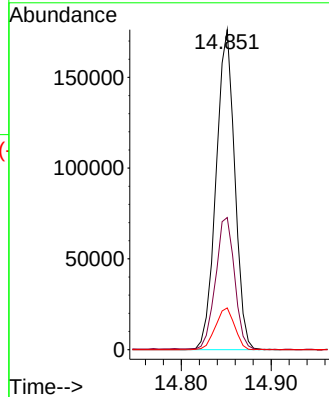
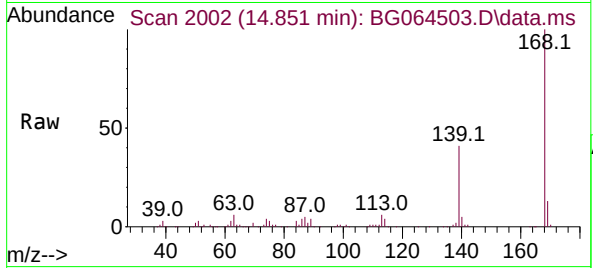




#55
Dibenzofuran
Concen: 55.977 ng
RT: 14.851 min Scan# 2002
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

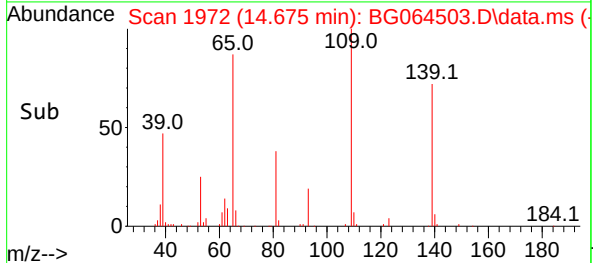
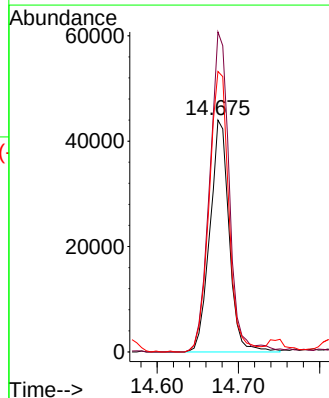
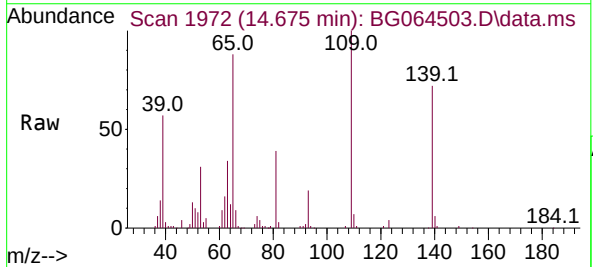
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

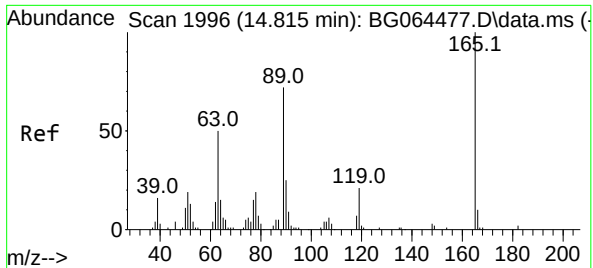
Tgt Ion:168 Resp: 255068
Ion Ratio Lower Upper
168 100
139 41.3 34.0 51.0
169 13.0 10.2 15.2



#56
4-Nitrophenol
Concen: 122.149 ng
RT: 14.675 min Scan# 1972
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

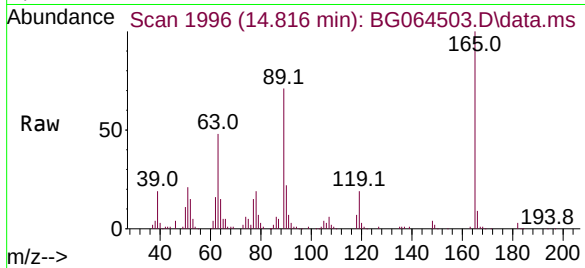
Tgt Ion:139 Resp: 72105
Ion Ratio Lower Upper
139 100
109 138.1 111.8 151.8
65 121.0 91.1 131.1



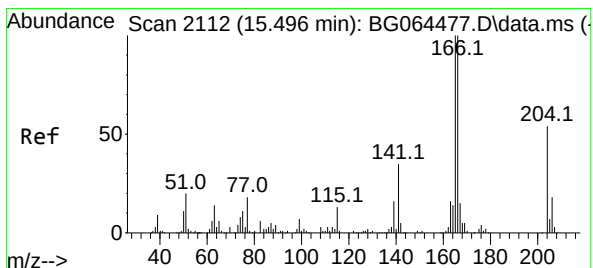
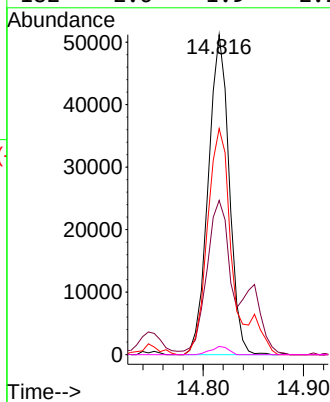
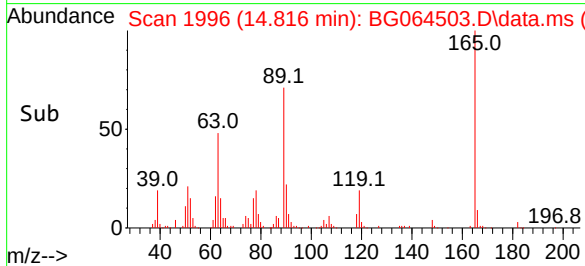


#57
2,4-Dinitrotoluene
Concen: 59.609 ng
RT: 14.816 min Scan# 1996
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

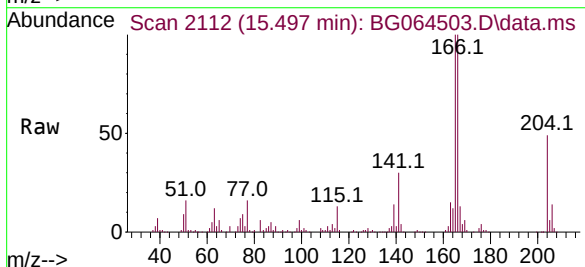
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS



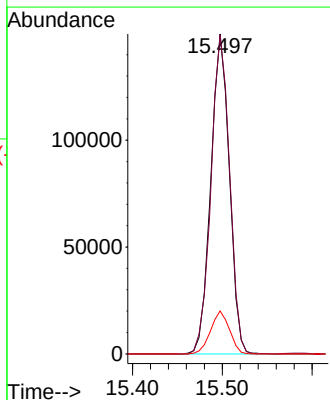
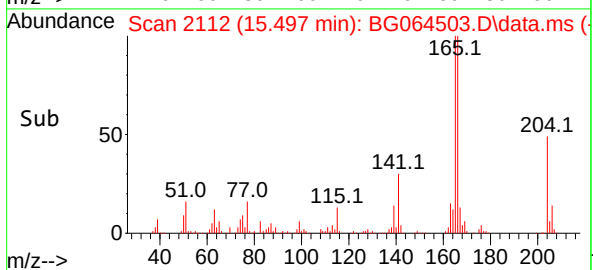
Tgt Ion:165 Resp: 74082
Ion Ratio Lower Upper
165 100
63 48.2 40.4 60.6
89 70.6 57.3 85.9
182 2.6 1.9 2.9

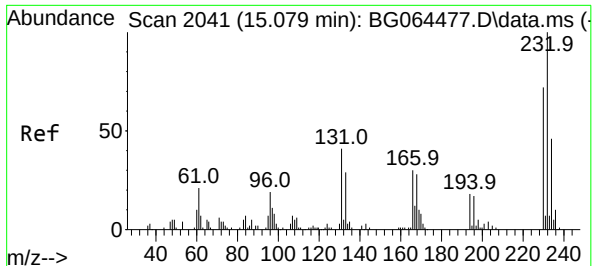


#58
Fluorene
Concen: 56.627 ng
RT: 15.497 min Scan# 2112
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52



Tgt Ion:166 Resp: 214511
Ion Ratio Lower Upper
166 100
165 99.7 79.8 119.6
167 13.4 11.7 17.5

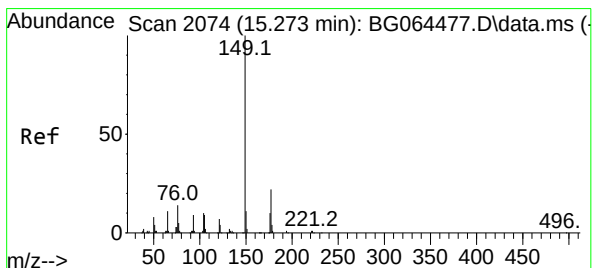
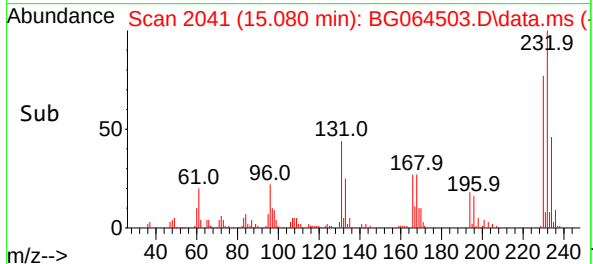
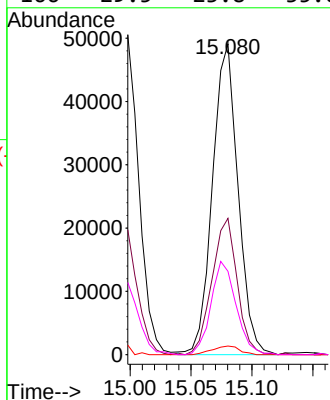
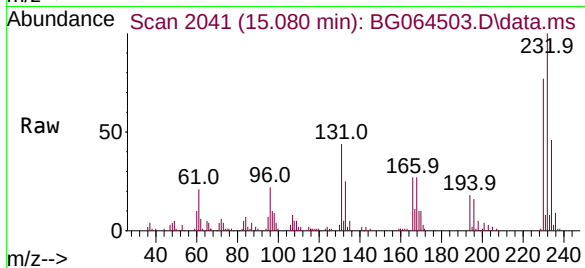




#59
2,3,4,6-Tetrachlorophenol
Concen: 61.023 ng
RT: 15.080 min Scan# 2041
Delta R.T. 0.009 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

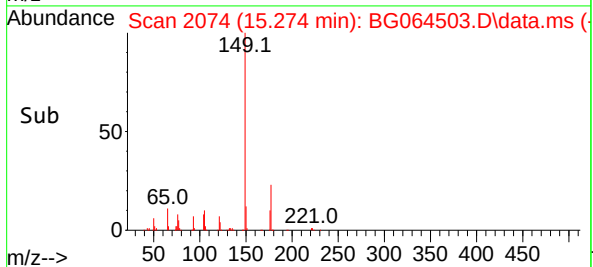
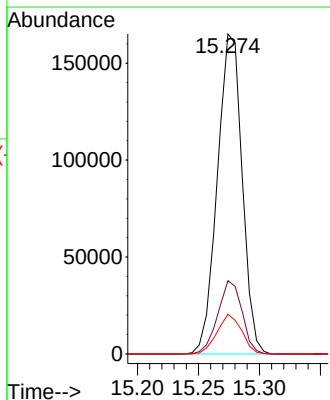
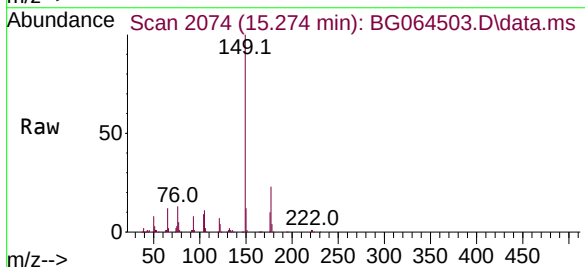
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

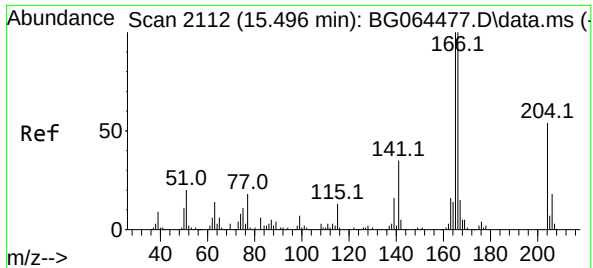
Tgt Ion:232 Resp: 71510
Ion Ratio Lower Upper
232 100
131 43.3 35.0 52.4
130 2.9 2.0 3.0
166 29.5 23.8 35.6



#60
Diethylphthalate
Concen: 55.662 ng
RT: 15.274 min Scan# 2074
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:149 Resp: 233036
Ion Ratio Lower Upper
149 100
177 22.9 17.4 26.0
150 12.4 9.1 13.7

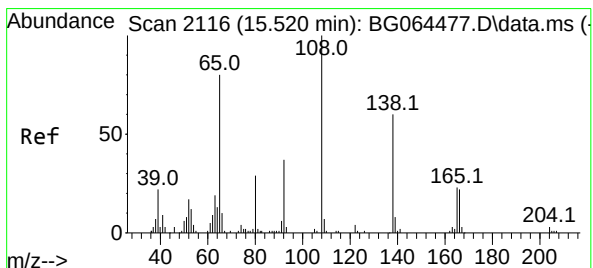
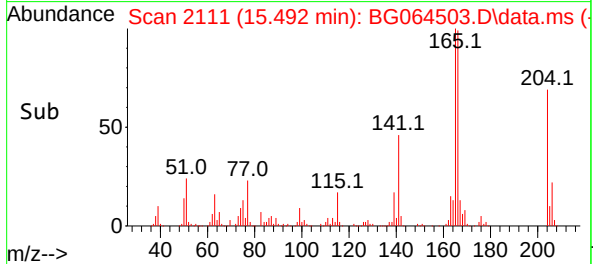
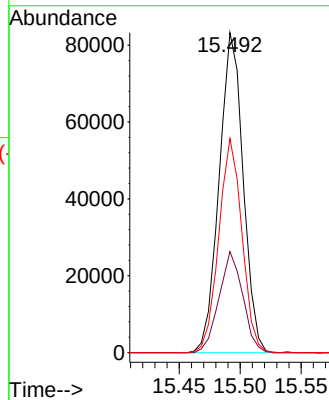
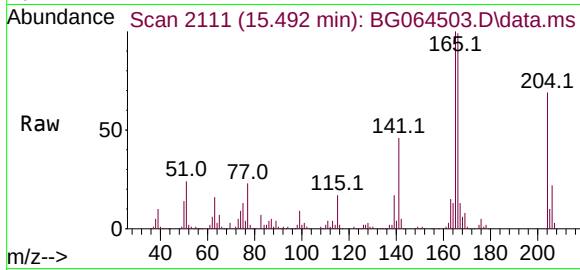




#61
4-Chlorophenyl-phenylether
Concen: 54.975 ng
RT: 15.492 min Scan# 2111
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

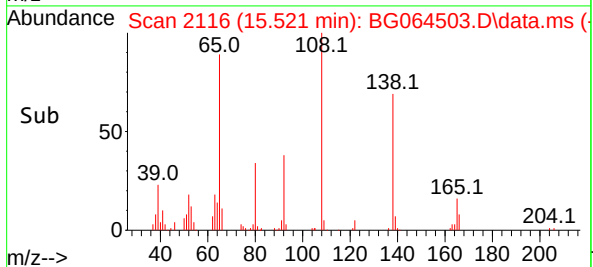
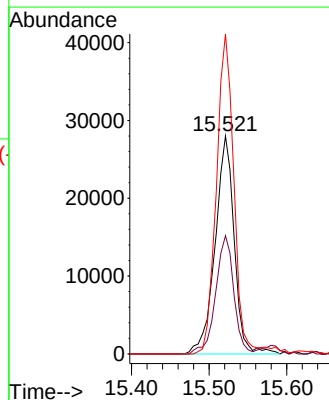
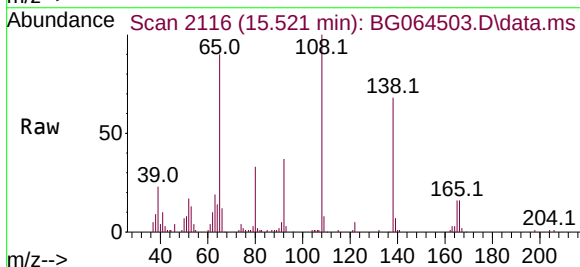
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

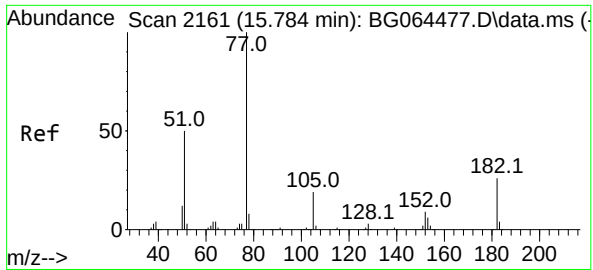
Tgt Ion:204 Resp: 113694
Ion Ratio Lower Upper
204 100
206 31.6 27.1 40.7
141 66.9 51.5 77.3



#62
4-Nitroaniline
Concen: 61.402 ng
RT: 15.521 min Scan# 2116
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:138 Resp: 47983
Ion Ratio Lower Upper
138 100
92 54.2 42.3 82.3
108 146.8 147.7 187.7#

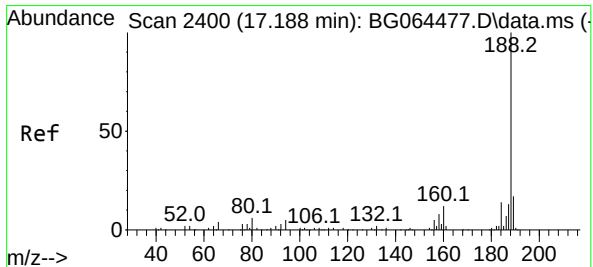
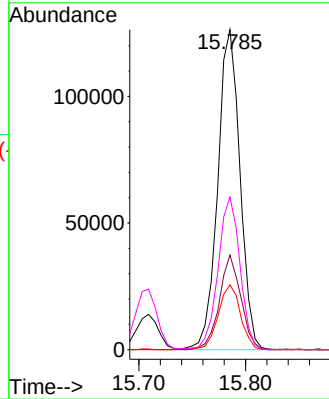
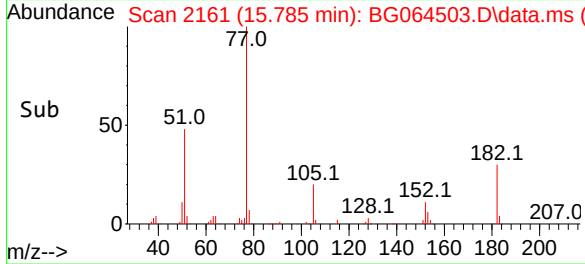
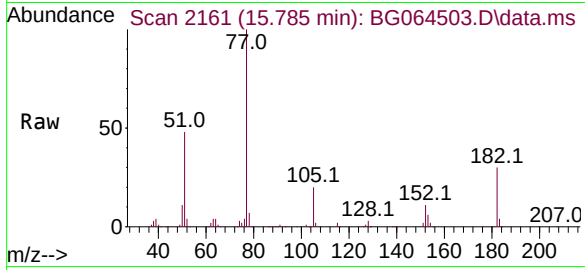




#63
Azobenzene
Concen: 56.658 ng
RT: 15.785 min Scan# 2161
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

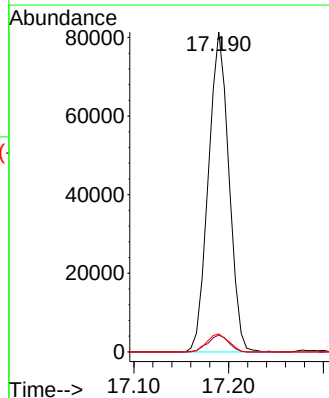
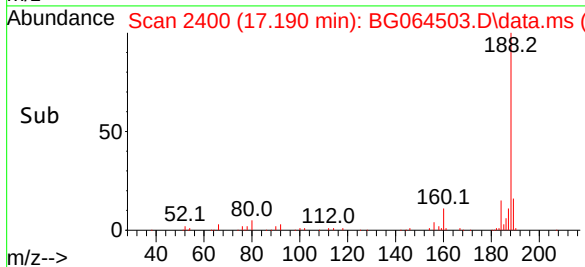
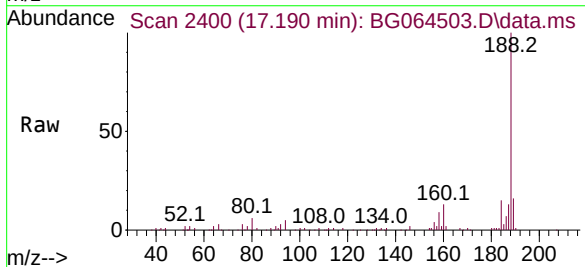
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

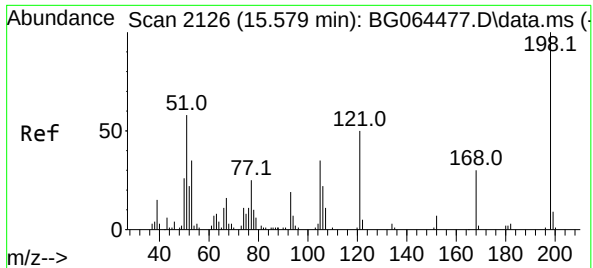
Tgt Ion:	77	Resp:	183708
Ion	Ratio	Lower	Upper
77	100		
182	29.5	6.3	46.3
105	20.2	0.0	38.7
51	47.7	30.3	70.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:	188	Resp:	122524
Ion	Ratio	Lower	Upper
188	100		
94	5.3	3.7	5.5
80	5.6	4.5	6.7

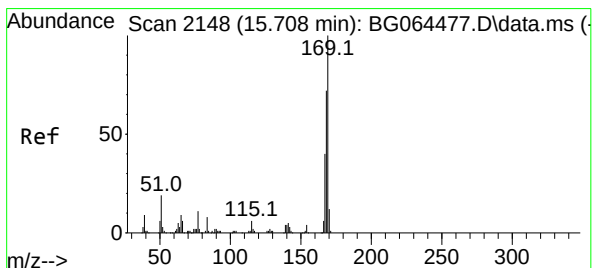
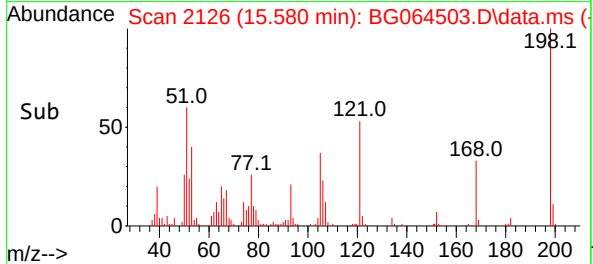
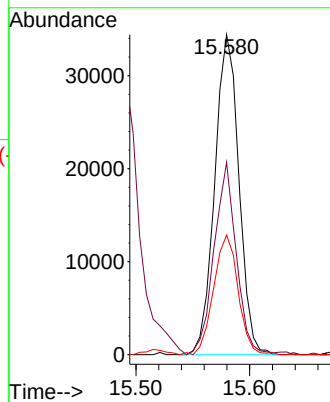
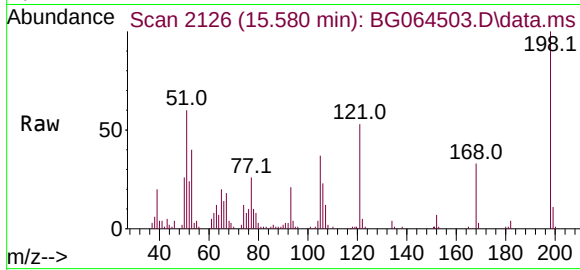




#65
4,6-Dinitro-2-methylphenol
Concen: 59.396 ng
RT: 15.580 min Scan# 2126
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

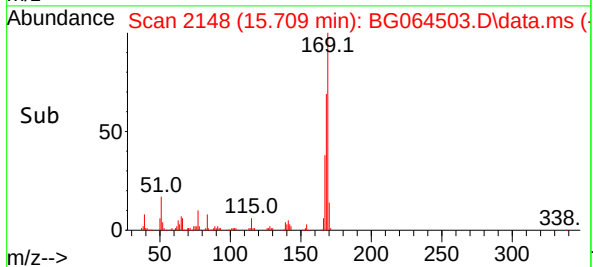
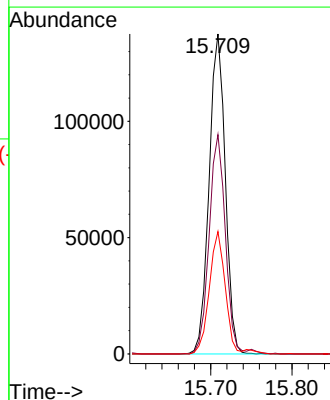
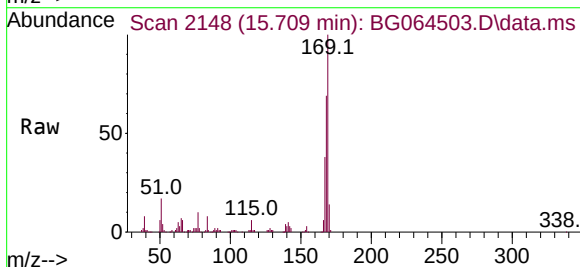
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

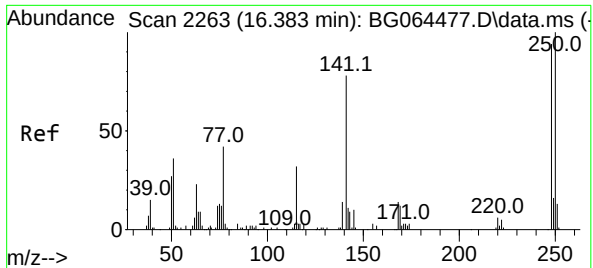
Tgt Ion:198 Resp: 50671
Ion Ratio Lower Upper
198 100
51 60.1 39.0 79.0
105 37.4 15.8 55.8



#66
n-Nitrosodiphenylamine
Concen: 58.255 ng
RT: 15.709 min Scan# 2148
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:169 Resp: 190603
Ion Ratio Lower Upper
169 100
168 68.5 57.8 86.6
167 38.2 31.7 47.5





#67

4-Bromophenyl-phenylether

Concen: 56.621 ng

RT: 16.385 min Scan# 2263

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

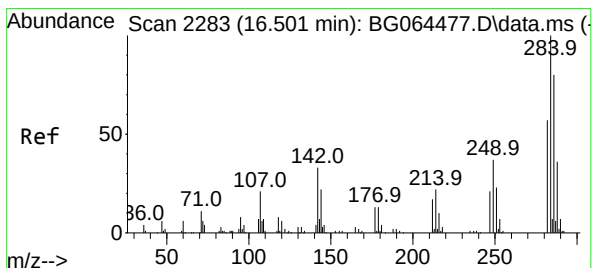
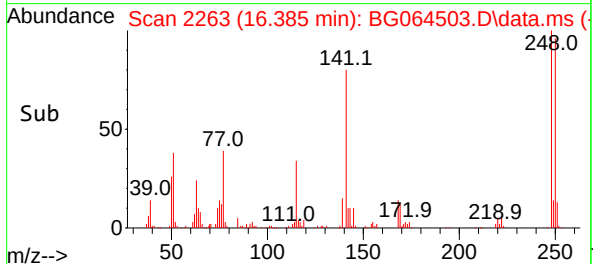
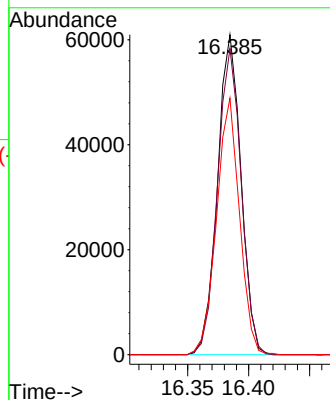
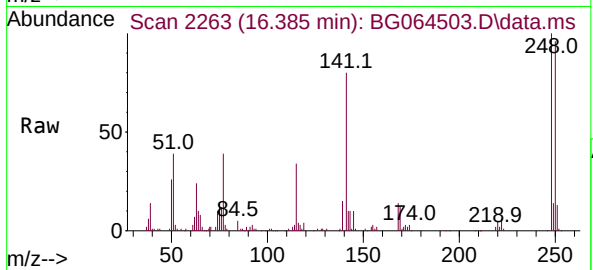
Tgt Ion:248 Resp: 81638

Ion Ratio Lower Upper

248 100

250 95.7 85.3 127.9

141 80.1 66.2 99.2



#68

Hexachlorobenzene

Concen: 57.793 ng

RT: 16.502 min Scan# 2283

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

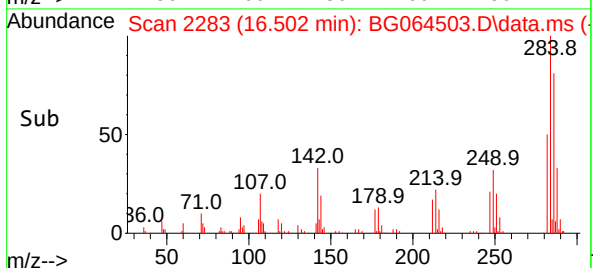
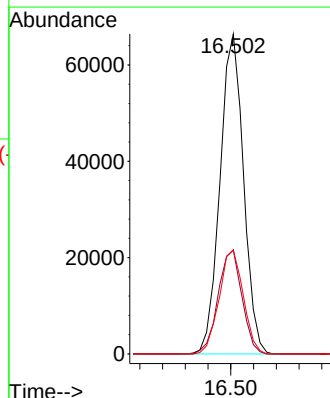
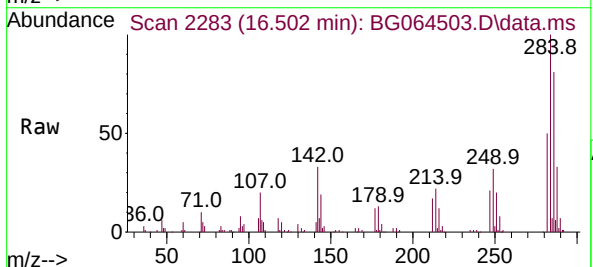
Tgt Ion:284 Resp: 95350

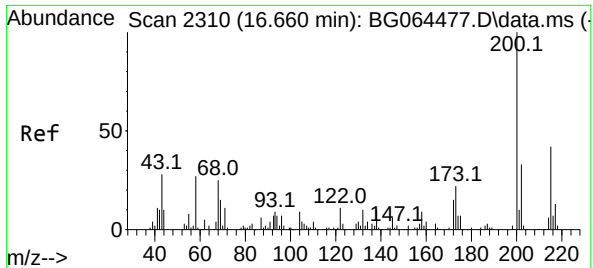
Ion Ratio Lower Upper

284 100

142 32.5 26.2 39.2

249 32.5 29.4 44.0

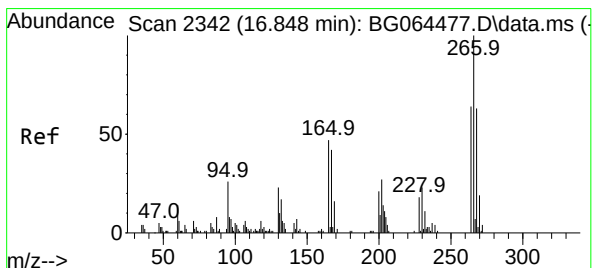
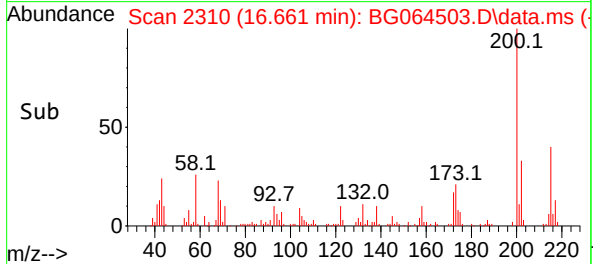
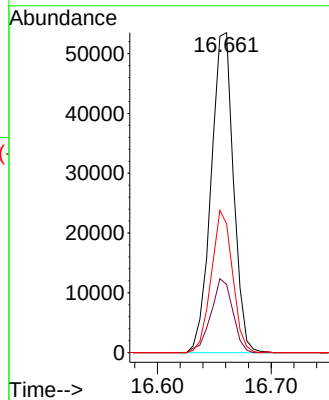
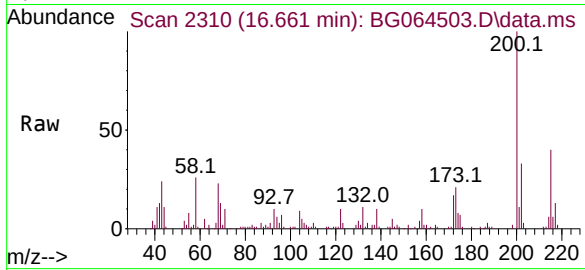




#69
 Atrazine
 Concen: 50.259 ng
 RT: 16.661 min Scan# 2310
 Delta R.T. 0.009 min
 Lab File: BG064503.D
 Acq: 14 Oct 2025 16:52

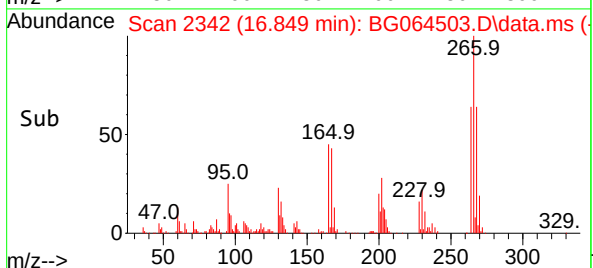
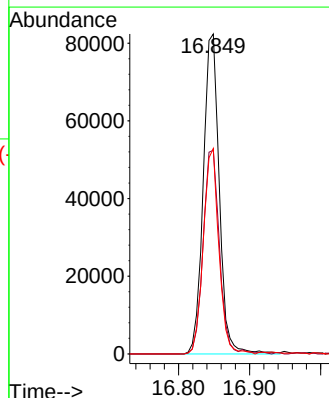
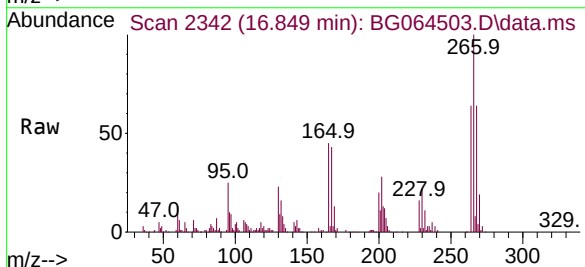
Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MS

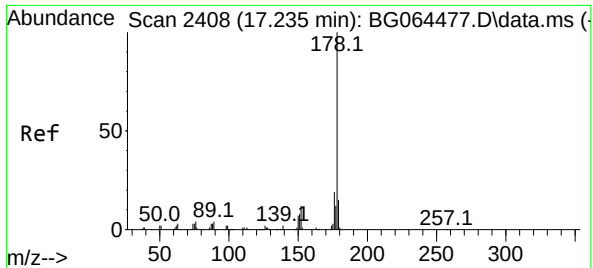
Tgt Ion:200 Resp: 73161
 Ion Ratio Lower Upper
 200 100
 173 21.3 2.5 42.5
 215 40.3 21.5 61.5



#70
 Pentachlorophenol
 Concen: 133.084 ng
 RT: 16.849 min Scan# 2342
 Delta R.T. 0.004 min
 Lab File: BG064503.D
 Acq: 14 Oct 2025 16:52

Tgt Ion:266 Resp: 128380
 Ion Ratio Lower Upper
 266 100
 268 63.6 50.6 75.8
 264 64.2 51.2 76.8

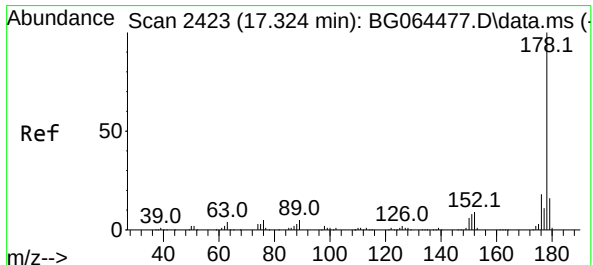
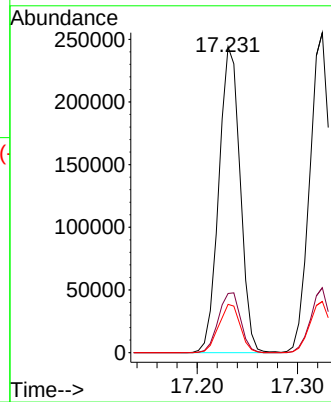
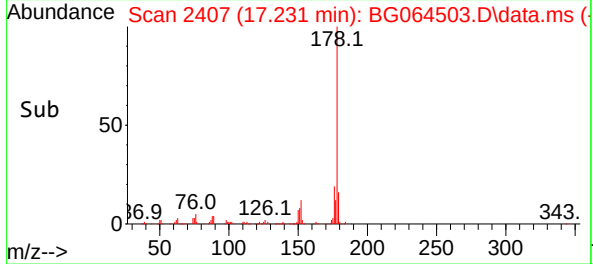
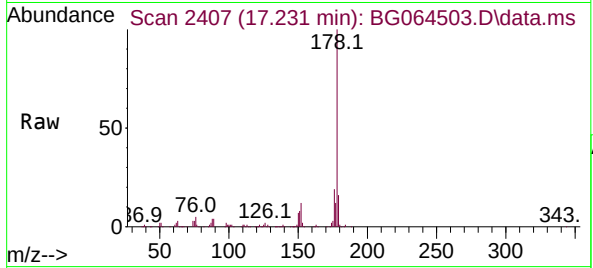




#71
Phenanthrene
Concen: 56.272 ng
RT: 17.231 min Scan# 2407
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

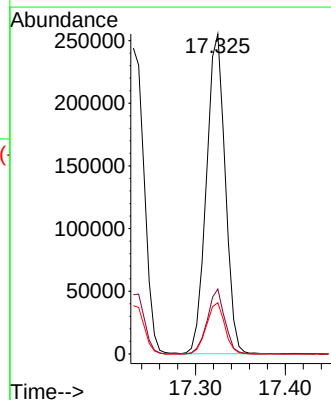
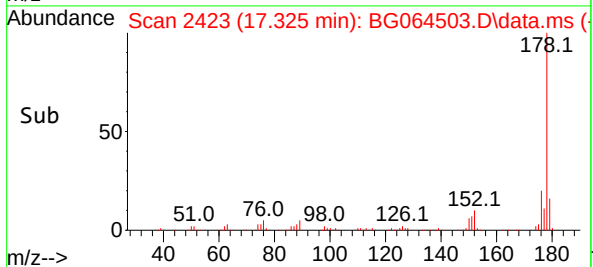
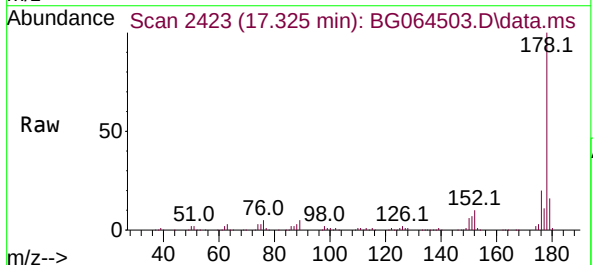
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

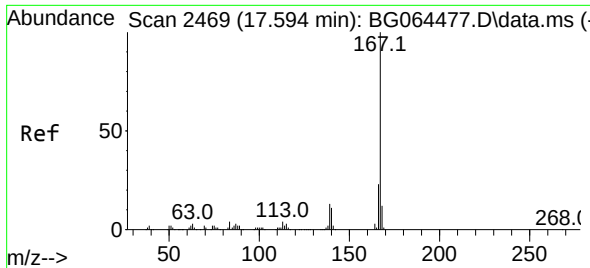
Tgt Ion:178 Resp: 360559
Ion Ratio Lower Upper
178 100
176 19.3 15.2 22.8
179 15.8 11.8 17.6



#72
Anthracene
Concen: 57.540 ng
RT: 17.325 min Scan# 2423
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:178 Resp: 369870
Ion Ratio Lower Upper
178 100
176 20.3 14.6 21.8
179 16.0 12.5 18.7



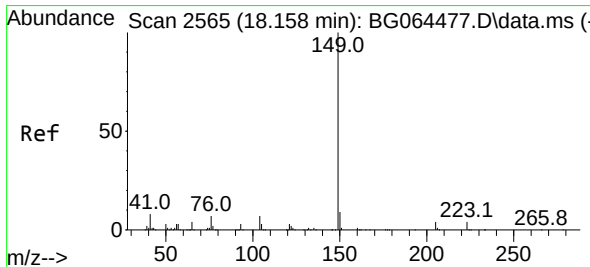
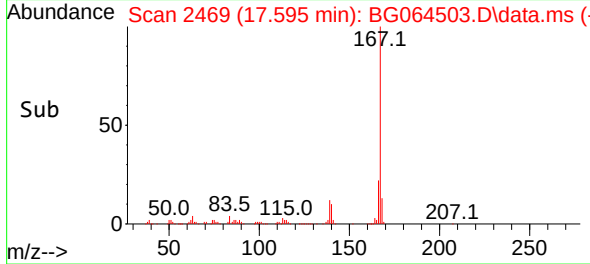
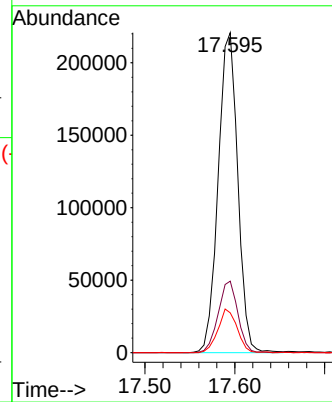
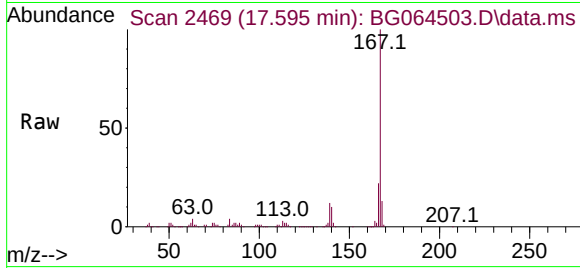


#73
 Carbazole
 Concen: 60.450 ng
 RT: 17.595 min Scan# 2469
 Delta R.T. 0.004 min
 Lab File: BG064503.D
 Acq: 14 Oct 2025 16:52

Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MS

Tgt Ion:167 Resp: 335870

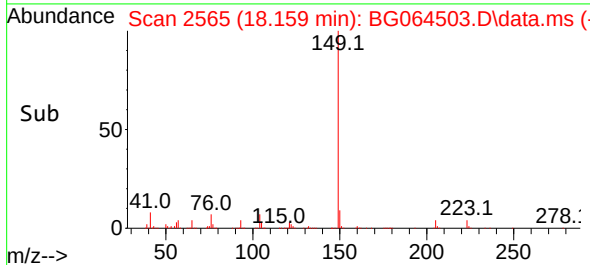
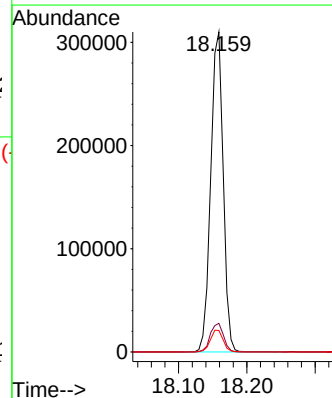
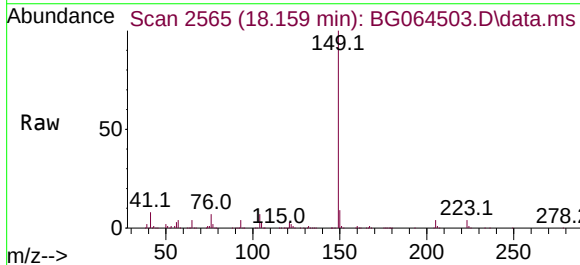
Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.6	27.8
139	12.4	10.2	15.4

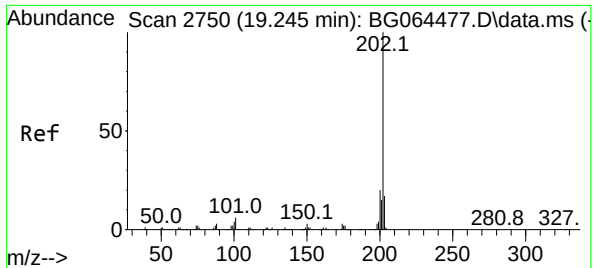


#74
 Di-n-butylphthalate
 Concen: 58.022 ng
 RT: 18.159 min Scan# 2565
 Delta R.T. 0.004 min
 Lab File: BG064503.D
 Acq: 14 Oct 2025 16:52

Tgt Ion:149 Resp: 393541

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.2
104	6.7	5.3	7.9

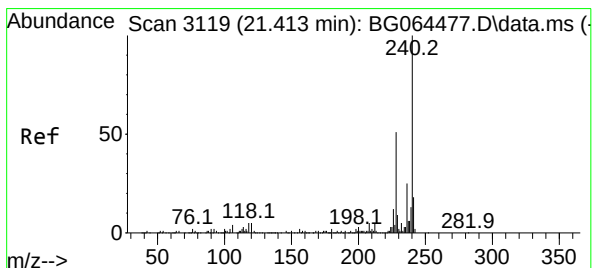
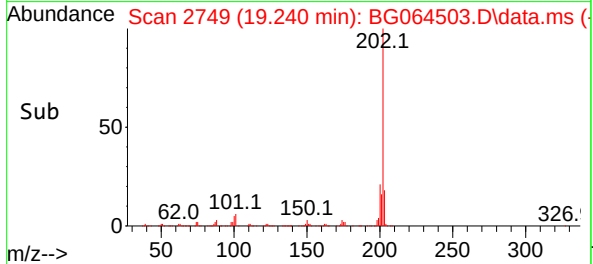
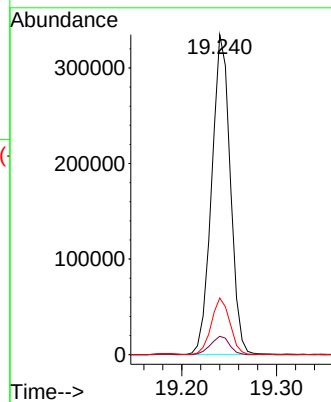
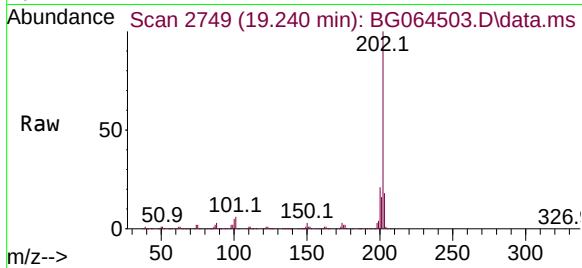




#75
Fluoranthene
Concen: 59.583 ng
RT: 19.240 min Scan# 2750
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

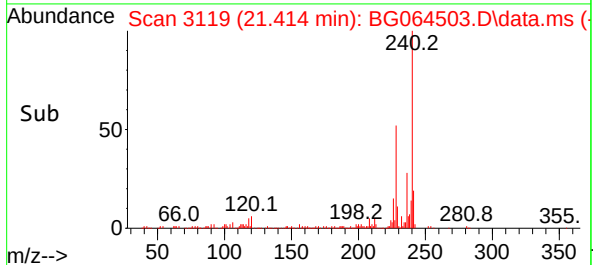
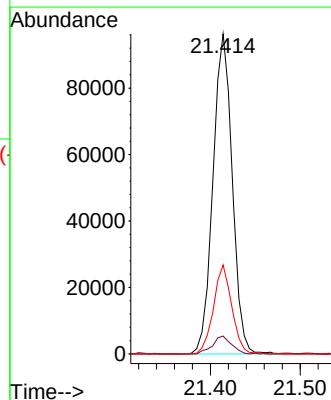
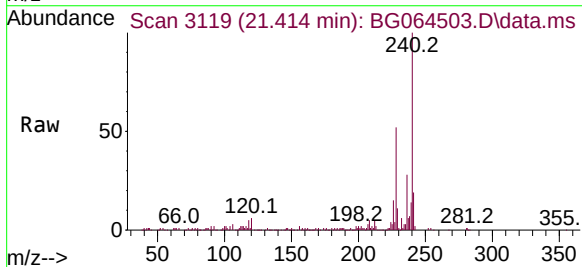
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

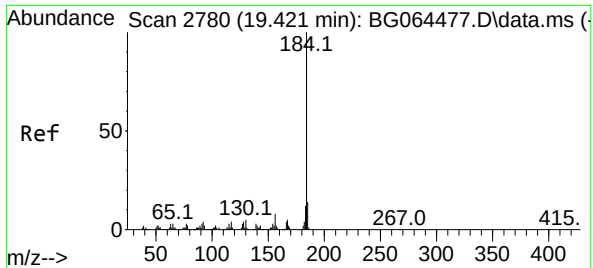
Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.7	0.0	25.7
203	17.7	0.0	36.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.414 min Scan# 3119
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.3	6.5
236	27.8	20.4	30.6

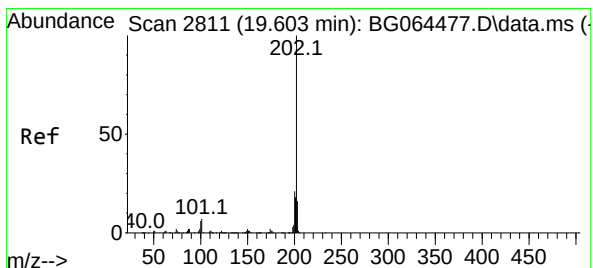
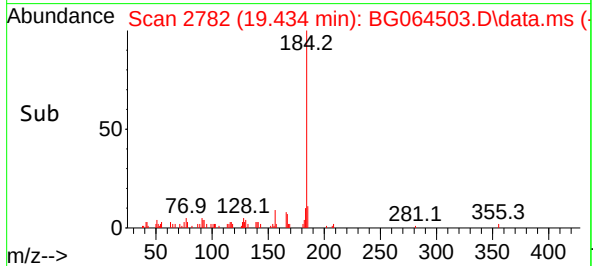
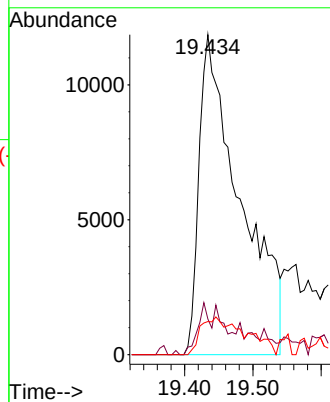
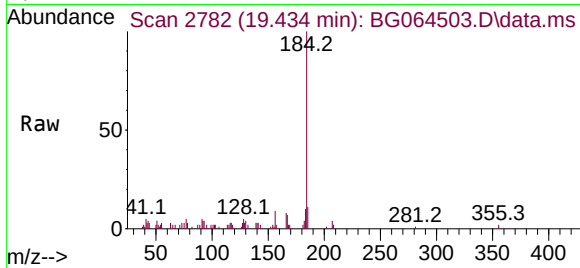




#77
Benzidine
Concen: 13.885 ng
RT: 19.434 min Scan# 2780
Delta R.T. 0.009 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

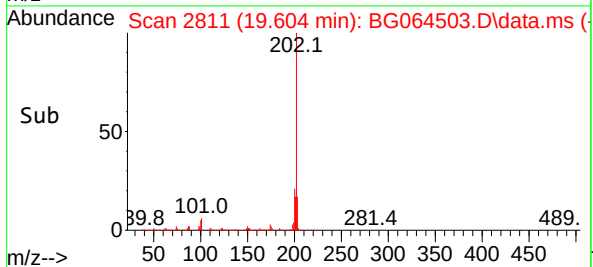
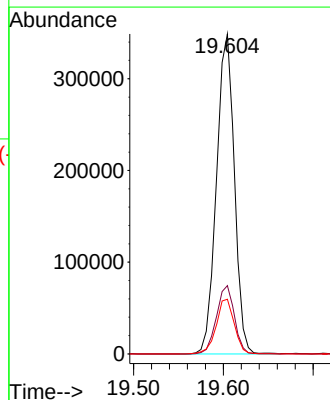
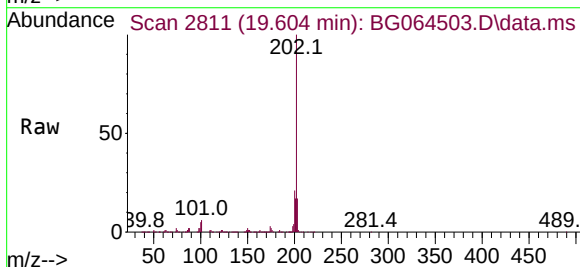
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

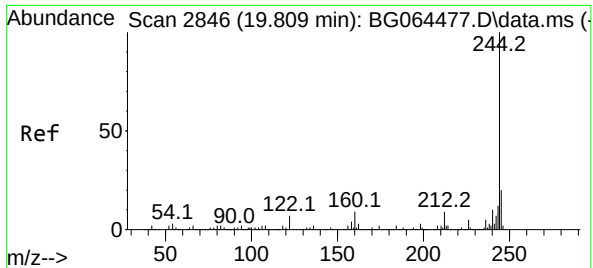
Tgt Ion	Ratio	Lower	Upper
184	100		
185	11.1	10.9	16.3
183	10.3	9.8	14.6



#78
Pyrene
Concen: 51.982 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.1	13.0	19.4





#79

Terphenyl-d14

Concen: 97.239 ng

RT: 19.804 min Scan# 2846

Delta R.T. -0.002 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

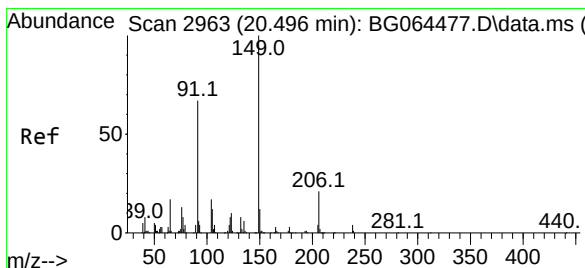
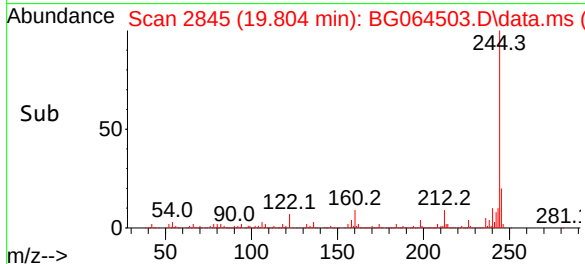
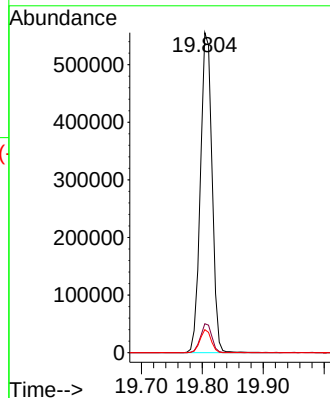
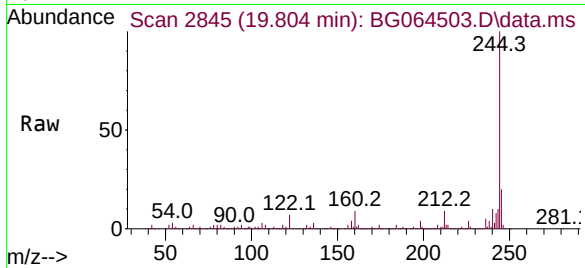
Tgt Ion:244 Resp: 736455

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

122 7.2 5.6 8.4



#80

Butylbenzylphthalate

Concen: 56.136 ng

RT: 20.497 min Scan# 2963

Delta R.T. -0.002 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

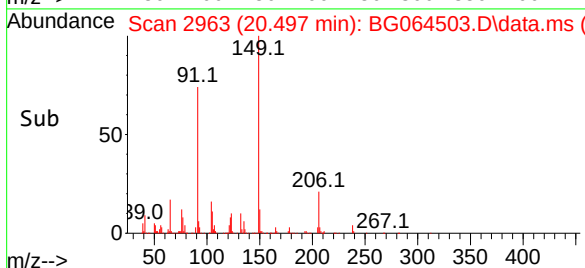
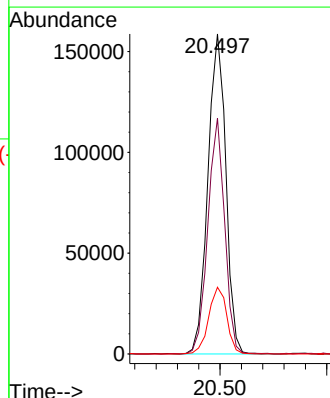
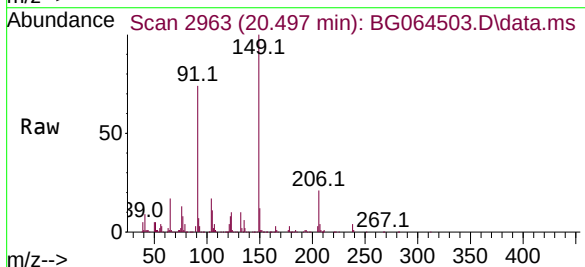
Tgt Ion:149 Resp: 185102

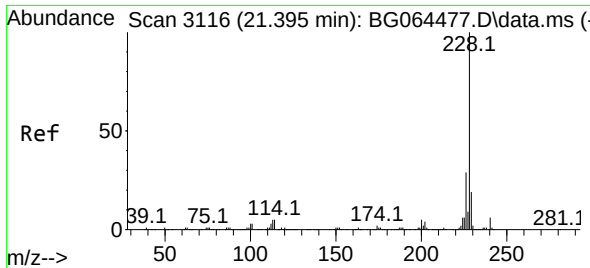
Ion Ratio Lower Upper

149 100

91 73.7 53.7 80.5

206 20.8 16.6 24.8

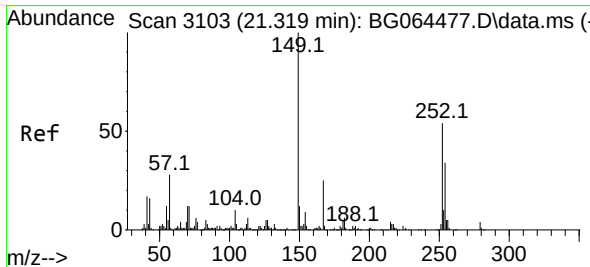
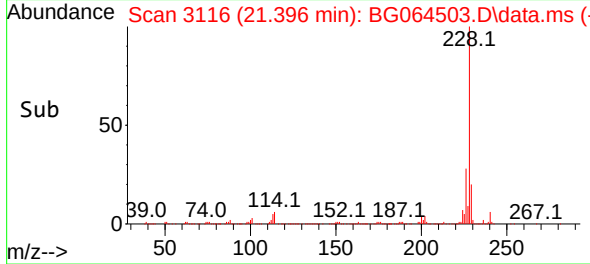
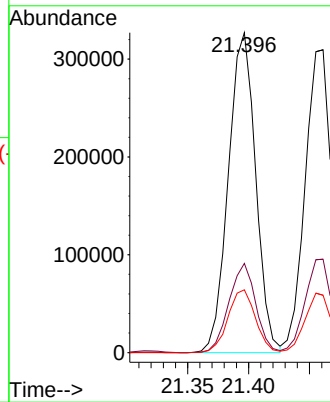
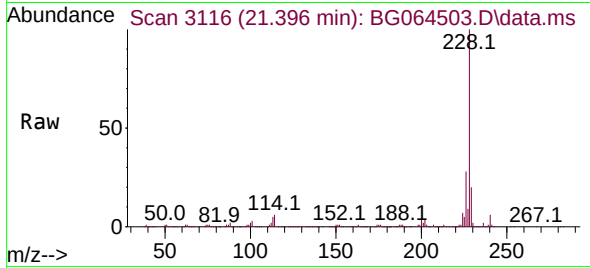




#81
Benzo(a)anthracene
Concen: 55.743 ng
RT: 21.396 min Scan# 3116
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

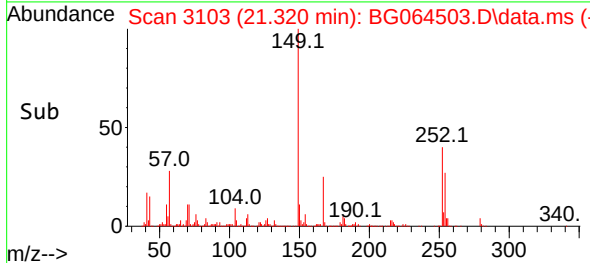
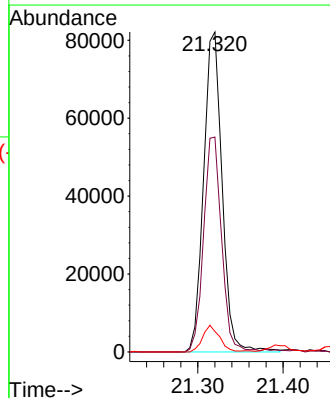
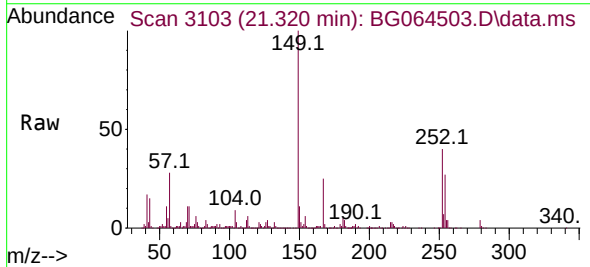
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

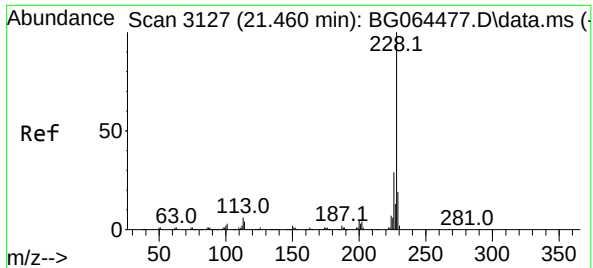
Tgt Ion:228 Resp: 510150
Ion Ratio Lower Upper
228 100
226 27.9 22.8 34.2
229 19.6 15.2 22.8



#82
3,3'-Dichlorobenzidine
Concen: 39.940 ng
RT: 21.320 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:252 Resp: 123714
Ion Ratio Lower Upper
252 100
254 67.1 50.5 75.7
126 6.4 7.1 10.7#





#83

Chrysene

Concen: 54.348 ng

RT: 21.461 min Scan# 3127

Delta R.T. 0.010 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

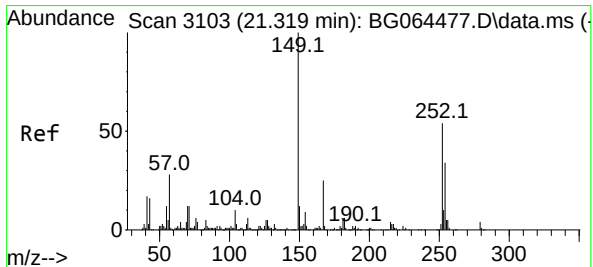
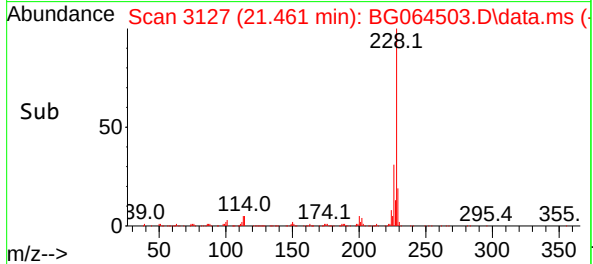
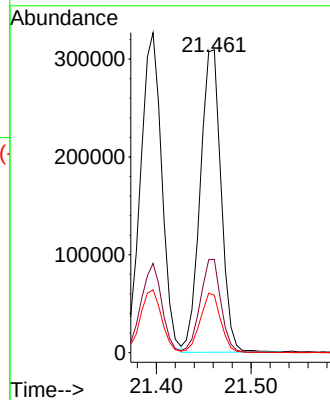
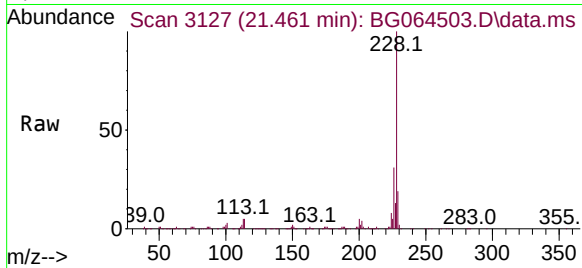
Tgt Ion:228 Resp: 471702

Ion Ratio Lower Upper

228 100

226 30.8 22.8 34.2

229 18.9 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 57.137 ng

RT: 21.320 min Scan# 3103

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

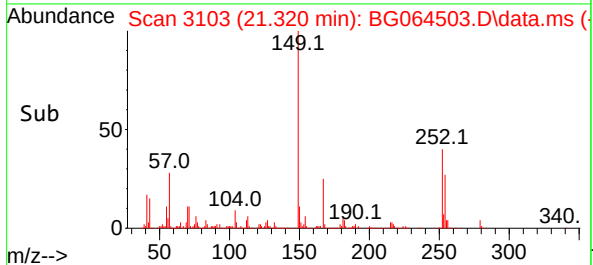
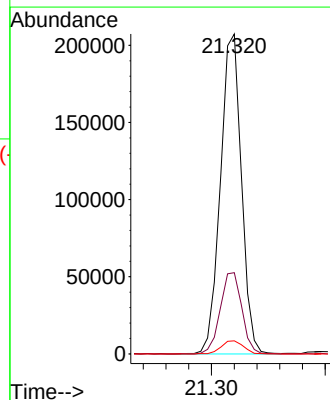
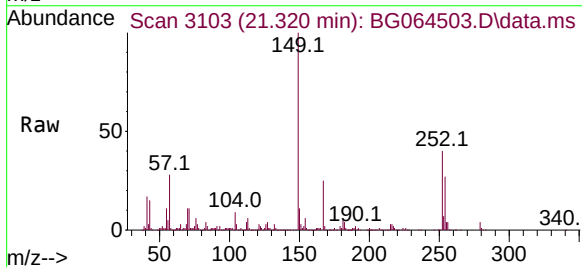
Tgt Ion:149 Resp: 265825

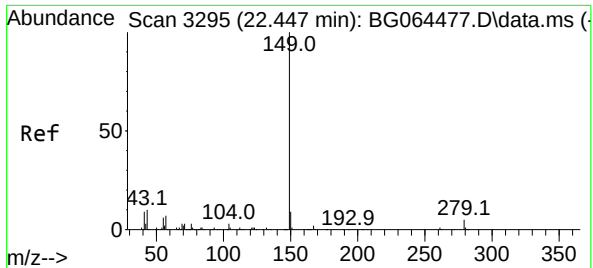
Ion Ratio Lower Upper

149 100

167 25.4 19.7 29.5

279 4.1 3.4 5.2

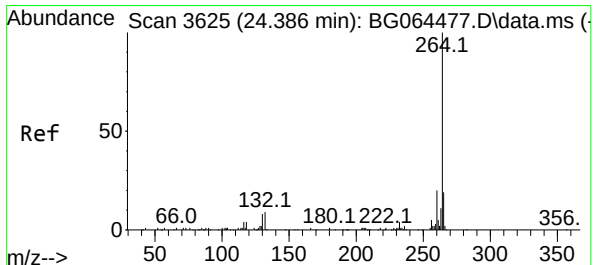
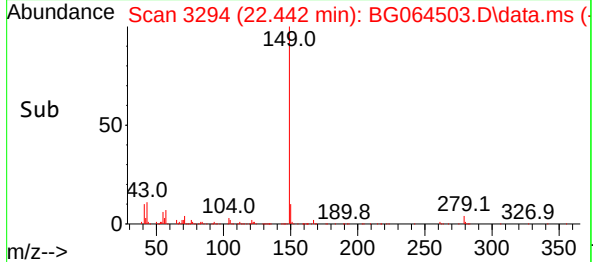
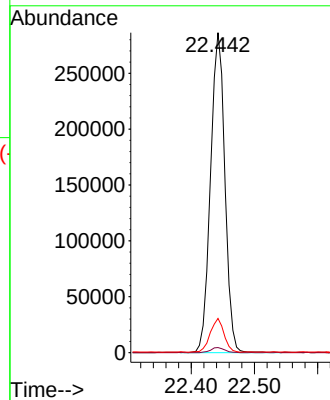
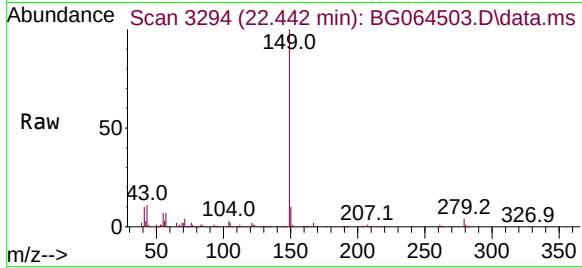




#85
Di-n-octyl phthalate
Concen: 57.787 ng
RT: 22.442 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

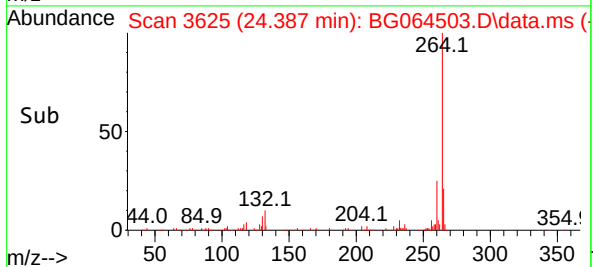
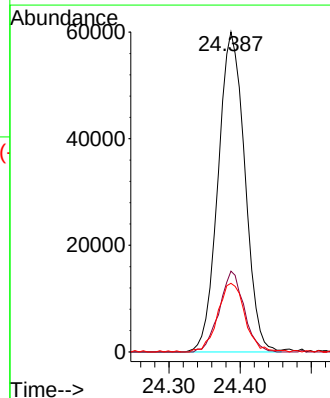
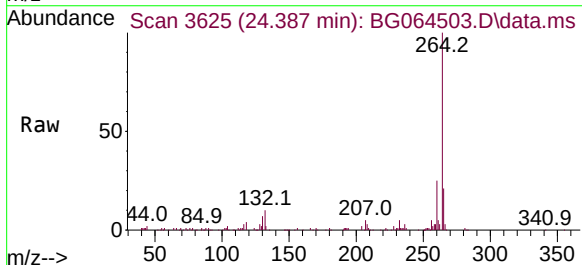
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

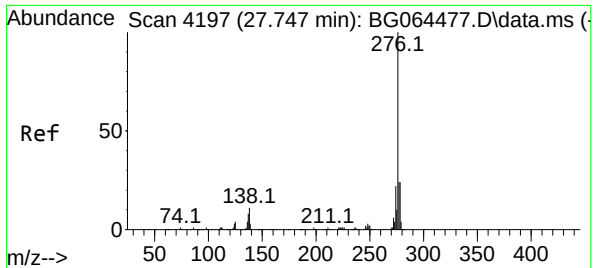
Tgt Ion:149 Resp: 451847
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 10.2 7.9 11.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.387 min Scan# 3625
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:264 Resp: 156729
Ion Ratio Lower Upper
264 100
260 25.2 16.2 24.4#
265 21.4 15.0 22.4

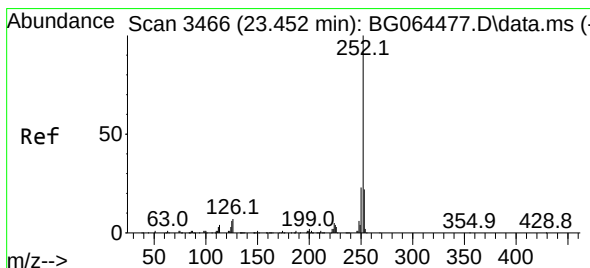
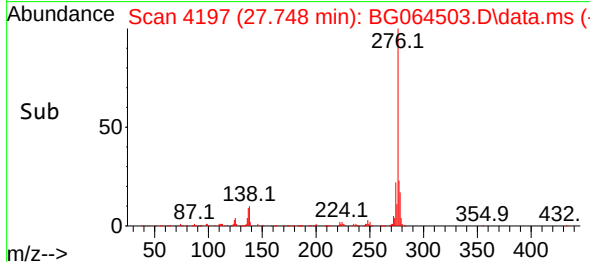
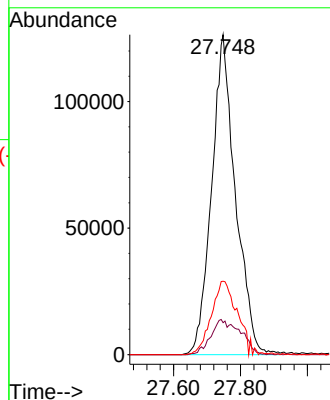
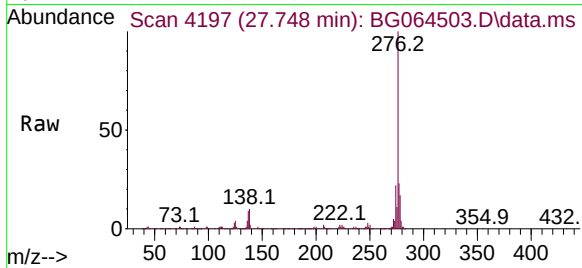




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 57.321 ng
 RT: 27.748 min Scan# 4197
 Delta R.T. 0.015 min
 Lab File: BG064503.D
 Acq: 14 Oct 2025 16:52

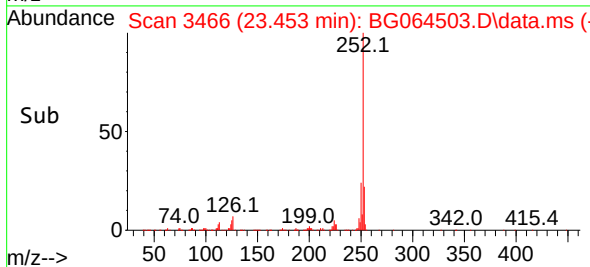
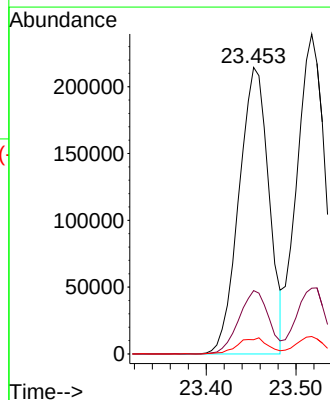
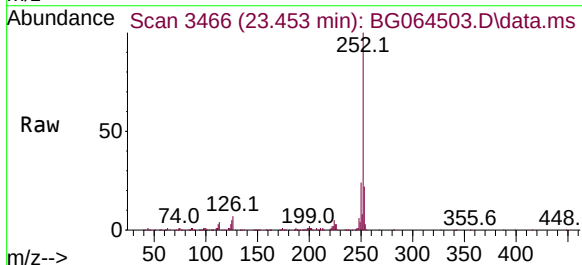
Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MS

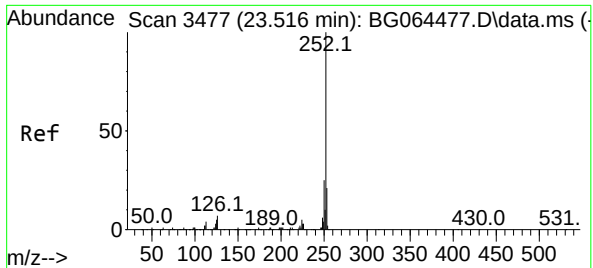
Tgt Ion:276 Resp: 625337
 Ion Ratio Lower Upper
 276 100
 138 13.6 10.8 16.2
 277 25.0 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 55.913 ng
 RT: 23.453 min Scan# 3466
 Delta R.T. 0.004 min
 Lab File: BG064503.D
 Acq: 14 Oct 2025 16:52

Tgt Ion:252 Resp: 498542
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.5 26.3
 125 5.0 4.5 6.7





#89

Benzo(k)fluoranthene

Concen: 57.490 ng

RT: 23.517 min Scan# 3477

Delta R.T. 0.009 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MS

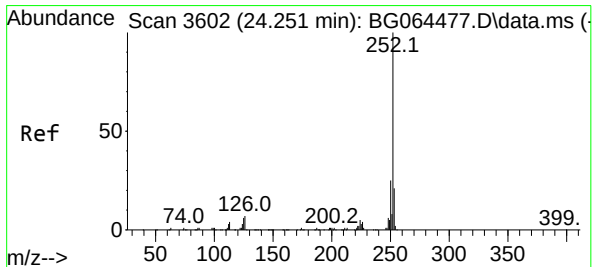
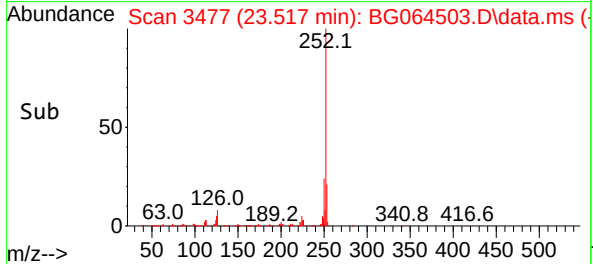
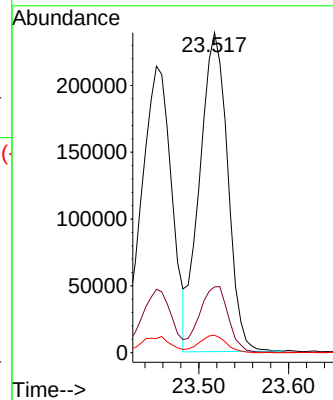
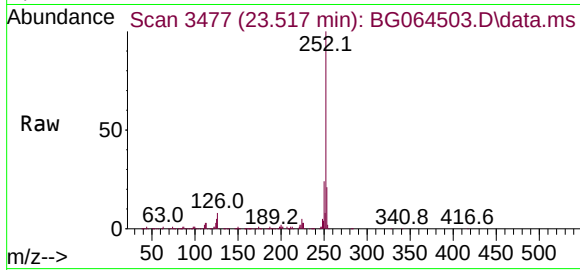
Tgt Ion:252 Resp: 516266

Ion Ratio Lower Upper

252 100

253 20.5 17.4 26.2

125 5.4 4.0 6.0



#90

Benzo(a)pyrene

Concen: 58.549 ng

RT: 24.252 min Scan# 3602

Delta R.T. 0.004 min

Lab File: BG064503.D

Acq: 14 Oct 2025 16:52

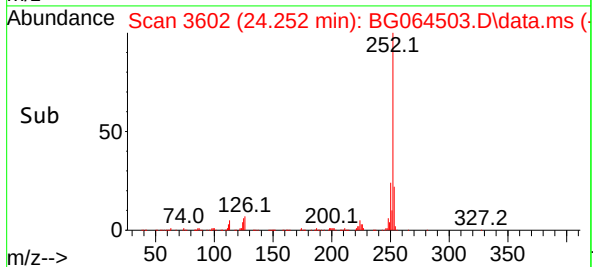
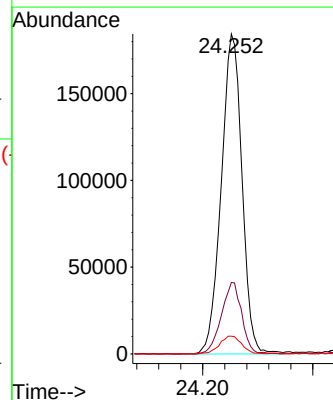
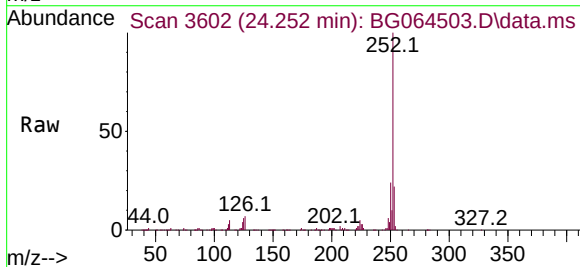
Tgt Ion:252 Resp: 481132

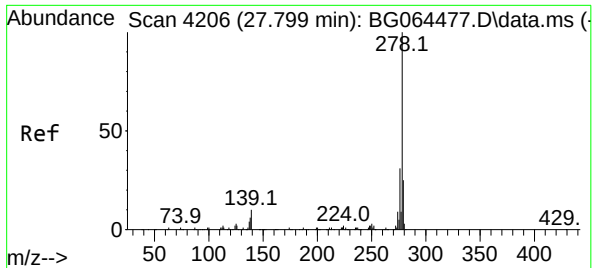
Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 5.5 4.6 6.8

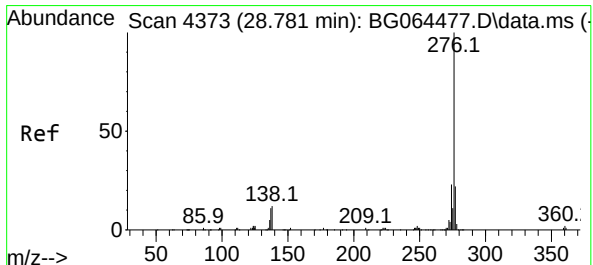
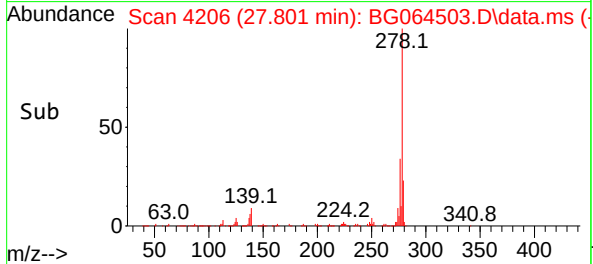
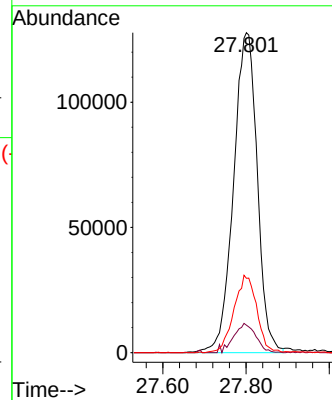
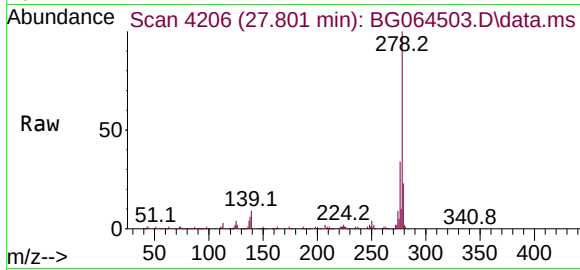




#91
Dibenzo(a,h)anthracene
Concen: 57.930 ng
RT: 27.801 min Scan# 41
Delta R.T. 0.021 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

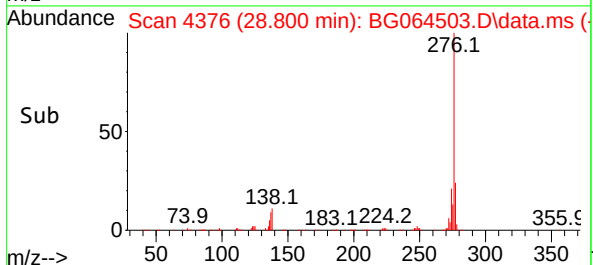
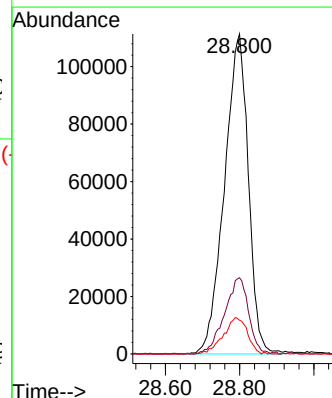
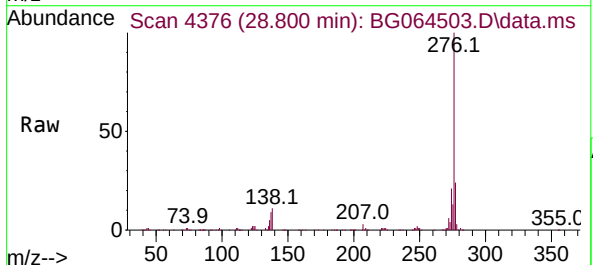
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

Tgt Ion:278 Resp: 505403
Ion Ratio Lower Upper
278 100
139 8.6 8.2 12.2
279 23.2 19.6 29.4



#92
Benzo(g,h,i)perylene
Concen: 58.630 ng
RT: 28.800 min Scan# 4376
Delta R.T. 0.033 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:276 Resp: 497074
Ion Ratio Lower Upper
276 100
277 23.8 17.8 26.6
138 10.5 9.4 14.0





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

Report of Analysis

Client: Weston Solutions, Inc.

Project: RFP 918

Client Sample ID: P001-DS-01MSD

Lab Sample ID: Q3321-02MSD

Analytical Method: 8270E

Sample Wt/Vol: 100 mL

Prep Method :

Level : LOW

Final Vol: 1000 uL

Prep Date: 10/13/25

Date Collected: 10/08/25

Date Received: 10/09/25

SDG No.: Q3321

Matrix: TCLP

% Solid: 0

Test: TCLP BNA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
110-86-1	Pyridine	390		1	12.8	50.0	ug/L	10/14/25 17:33	PB170080
106-46-7	1,4-Dichlorobenzene	520		1	5.30	50.0	ug/L	10/14/25 17:33	PB170080
95-48-7	2-Methylphenol	490		1	11.2	50.0	ug/L	10/14/25 17:33	PB170080
65794-96-9	3+4-Methylphenols	490		1	11.0	100	ug/L	10/14/25 17:33	PB170080
67-72-1	Hexachloroethane	480		1	6.50	50.0	ug/L	10/14/25 17:33	PB170080
98-95-3	Nitrobenzene	510		1	7.60	50.0	ug/L	10/14/25 17:33	PB170080
87-68-3	Hexachlorobutadiene	500		1	5.40	50.0	ug/L	10/14/25 17:33	PB170080
88-06-2	2,4,6-Trichlorophenol	560		1	5.10	50.0	ug/L	10/14/25 17:33	PB170080
95-95-4	2,4,5-Trichlorophenol	580		1	6.20	50.0	ug/L	10/14/25 17:33	PB170080
121-14-2	2,4-Dinitrotoluene	550		1	12.2	50.0	ug/L	10/14/25 17:33	PB170080
118-74-1	Hexachlorobenzene	550		1	5.20	50.0	ug/L	10/14/25 17:33	PB170080
87-86-5	Pentachlorophenol	1300	E	1	15.8	100	ug/L	10/14/25 17:33	PB170080
SURROGATES									
367-12-4	2-Fluorophenol	142			23 - 138	95%	SPK: 150		
13127-88-3	Phenol-d6	131			10 - 134	87%	SPK: 150		
4165-60-0	Nitrobenzene-d5	96.7			67 - 132	97%	SPK: 100		
321-60-8	2-Fluorobiphenyl	96.5			52 - 132	96%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	155			44 - 137	103%	SPK: 150		
1718-51-0	Terphenyl-d14	98.1			42 - 152	98%	SPK: 100		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	18700							
1146-65-2	Naphthalene-d8	74800							
15067-26-2	Acenaphthene-d10	54200							
1517-22-2	Phenanthrene-d10	131000							
1719-03-5	Chrysene-d12	146000							
1520-96-3	Perylene-d12	164000							

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\BG101425\
 Data File : BG064504.D
 Acq On : 14 Oct 2025 17:33
 Operator : RC/JU
 Sample : Q3321-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MSD

Quant Time: Oct 14 18:09:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.827	152	18700	20.000	ng	0.00
21) Naphthalene-d8	10.612	136	74842	20.000	ng	# 0.00
39) Acenaphthene-d10	14.449	164	54190	20.000	ng	0.00
64) Phenanthrene-d10	17.187	188	131474	20.000	ng	# 0.00
76) Chrysene-d12	21.411	240	145515	20.000	ng	# 0.00
86) Perylene-d12	24.390	264	163866	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.418	112	143572	142.089	ng	0.01
7) Phenol-d6	7.005	99	177557	130.762	ng	0.02
23) Nitrobenzene-d5	8.979	82	134529	96.652	ng	0.01
42) 2,4,6-Tribromophenol	15.941	330	152095	154.840	ng	0.00
45) 2-Fluorobiphenyl	13.074	172	354768	96.499	ng	0.00
79) Terphenyl-d14	19.807	244	754547	98.133	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.338	88	16913	42.317	ng	# 76
3) Pyridine	3.732	79	41672	38.796	ng	94
4) n-Nitrosodimethylamine	3.638	42	39947	51.301	ng	92
6) Aniline	7.151	93	56182	32.801	ng	96
8) 2-Chlorophenol	7.392	128	63464	51.149	ng	97
9) Benzaldehyde	6.963	77	17443	14.471	ng	99
10) Phenol	7.028	94	66364	46.330	ng	94
11) bis(2-Chloroethyl)ether	7.251	93	46978	48.428	ng	94
12) 1,3-Dichlorobenzene	7.715	146	67831	49.975	ng	96
13) 1,4-Dichlorobenzene	7.856	146	70354	51.646	ng	94
14) 1,2-Dichlorobenzene	8.174	146	66336	49.410	ng	95
15) Benzyl Alcohol	8.062	79	62969	50.355	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.350	45	74567	47.688	ng	97
17) 2-Methylphenol	8.268	107	50993	49.162	ng	94
18) Hexachloroethane	8.902	117	25745	47.880	ng	97
19) n-Nitroso-di-n-propyla...	8.626	70	45077	49.638	ng	99
20) 3+4-Methylphenols	8.597	107	71074	49.103	ng	98
22) Acetophenone	8.644	105	105313	58.116	ng	# 96
24) Nitrobenzene	9.020	77	71121	51.239	ng	100
25) Isophorone	9.543	82	125909	49.933	ng	# 96
26) 2-Nitrophenol	9.725	139	34379	49.766	ng	92
27) 2,4-Dimethylphenol	9.795	122	60839	57.660	ng	93
28) bis(2-Chloroethoxy)met...	10.024	93	66400	51.660	ng	99
29) 2,4-Dichlorophenol	10.265	162	67146	55.032	ng	96
30) 1,2,4-Trichlorobenzene	10.477	180	71133	53.468	ng	98
31) Naphthalene	10.659	128	193912	50.315	ng	97
32) Benzoic acid	9.960	122	49061	60.562	ng	98
33) 4-Chloroaniline	10.771	127	21142	14.296	ng	94
34) Hexachlorobutadiene	10.947	225	57351	50.337	ng	96
35) Caprolactam	11.546	113	18741m	44.867	ng	
36) 4-Chloro-3-methylphenol	11.905	107	77676	52.350	ng	94
37) 2-Methylnaphthalene	12.269	142	134865	45.587	ng	99
38) 1-Methylnaphthalene	12.492	142	142006	48.139	ng	97
40) 1,2,4,5-Tetrachloroben...	12.639	216	101876	58.225	ng	# 95
41) Hexachlorocyclopentadiene	12.621	237	144551	157.936	ng	95
43) 2,4,6-Trichlorophenol	12.880	196	62942	56.273	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
 Data File : BG064504.D
 Acq On : 14 Oct 2025 17:33
 Operator : RC/JU
 Sample : Q3321-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MSD

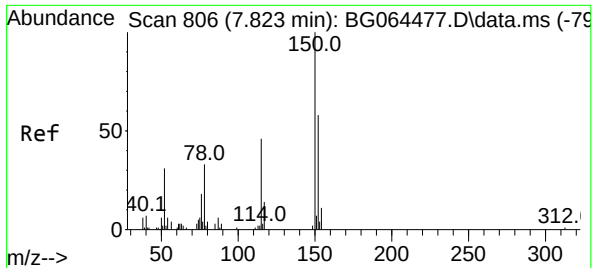
Quant Time: Oct 14 18:09:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.956	196	72947	58.417	ng	94
46) 1,1'-Biphenyl	13.285	154	225695	57.907	ng	97
47) 2-Chloronaphthalene	13.326	162	153088	52.608	ng	98
48) 2-Nitroaniline	13.526	65	55614	55.996	ng	96
49) Acenaphthylene	14.173	152	261770	60.599	ng	99
50) Dimethylphthalate	13.914	163	220475	51.948	ng	98
51) 2,6-Dinitrotoluene	14.026	165	49621	56.125	ng	92
52) Acenaphthene	14.513	154	154801	51.581	ng	96
53) 3-Nitroaniline	14.355	138	29151	35.752	ng	# 94
54) 2,4-Dinitrophenol	14.566	184	71254	111.146	ng	89
55) Dibenzofuran	14.848	168	264830	53.444	ng	98
56) 4-Nitrophenol	14.678	139	72131	112.361	ng	# 83
57) 2,4-Dinitrotoluene	14.819	165	74724	55.288	ng	97
58) Fluorene	15.495	166	221624	53.798	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.077	232	72690m	57.039	ng	
60) Diethylphthalate	15.277	149	239887	52.688	ng	97
61) 4-Chlorophenyl-phenyle...	15.495	204	119327	53.056	ng	99
62) 4-Nitroaniline	15.518	138	48325	56.864	ng	# 83
63) Azobenzene	15.782	77	188677	53.509	ng	97
65) 4,6-Dinitro-2-methylph...	15.583	198	53108	58.015	ng	91
66) n-Nitrosodiphenylamine	15.712	169	195059	55.558	ng	97
67) 4-Bromophenyl-phenylether	16.388	248	85341	55.160	ng	86
68) Hexachlorobenzene	16.499	284	98113	55.419	ng	98
69) Atrazine	16.658	200	70456	45.106	ng	91
70) Pentachlorophenol	16.846	266	136781	132.140	ng	97
71) Phenanthrene	17.234	178	372408	54.165	ng	98
72) Anthracene	17.322	178	386442	56.026	ng	98
73) Carbazole	17.592	167	351862	59.017	ng	98
74) Di-n-butylphthalate	18.156	149	412319	56.652	ng	100
75) Fluoranthene	19.243	202	479056	58.323	ng	99
77) Benzidine	19.443	184	66563	18.383	ng	98
78) Pyrene	19.602	202	492138	52.114	ng	98
80) Butylbenzylphthalate	20.500	149	192275	57.436	ng	98
81) Benzo(a)anthracene	21.394	228	518902	55.849	ng	100
82) 3,3'-Dichlorobenzidine	21.317	252	114340	36.360	ng	97
83) Chrysene	21.458	228	487073	55.277	ng	99
84) Bis(2-ethylhexyl)phtha...	21.317	149	271927	57.571	ng	97
85) Di-n-octyl phthalate	22.445	149	467031	58.833	ng	99
87) Indeno(1,2,3-cd)pyrene	27.745	276	636108	55.769	ng	100
88) Benzo(b)fluoranthene	23.456	252	525838	56.406	ng	100
89) Benzo(k)fluoranthene	23.515	252	519702	55.352	ng	99
90) Benzo(a)pyrene	24.255	252	496097	57.741	ng	98
91) Dibenzo(a,h)anthracene	27.798	278	514746	56.432	ng	# 97
92) Benzo(g,h,i)perylene	28.791	276	505062	56.977	ng	100

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

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

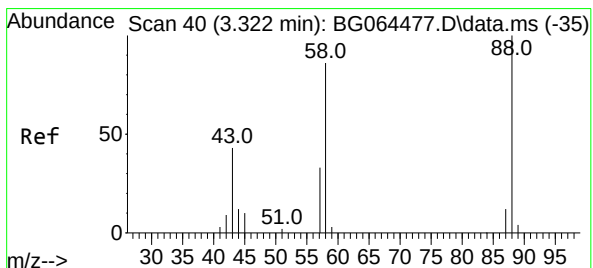
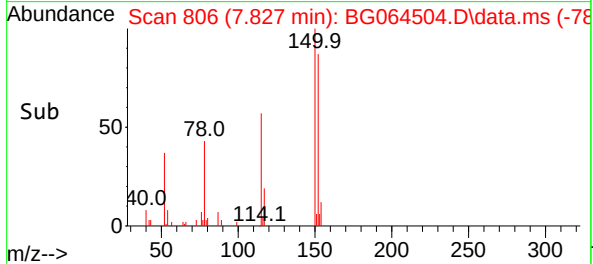
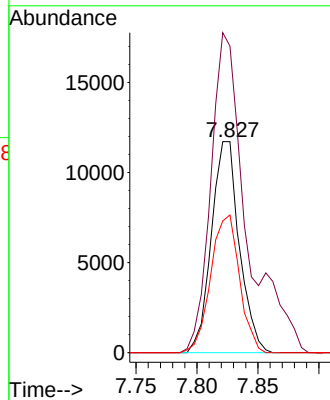
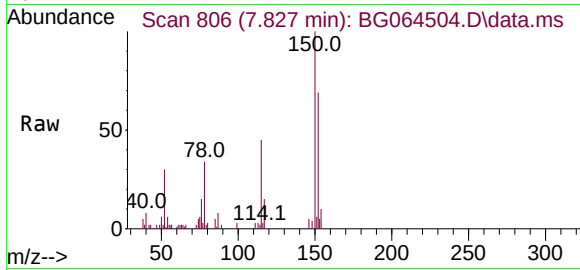
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.827 min Scan# 80
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

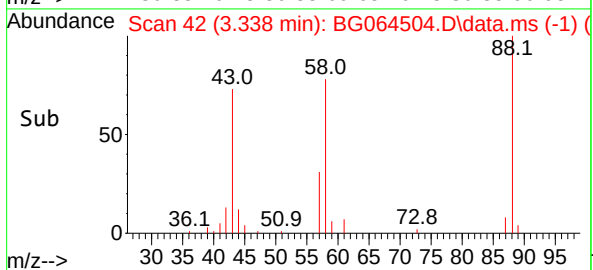
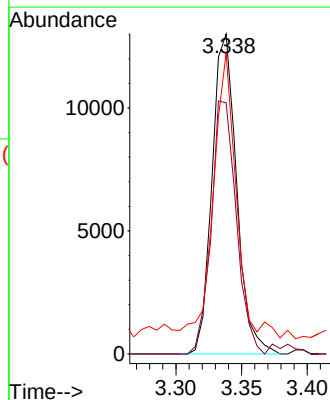
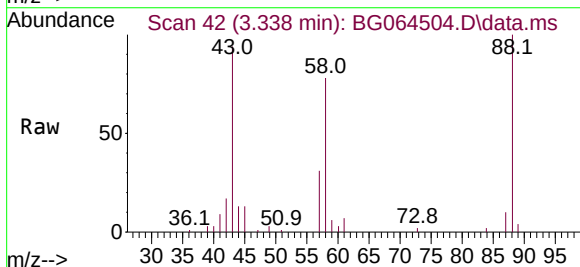
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

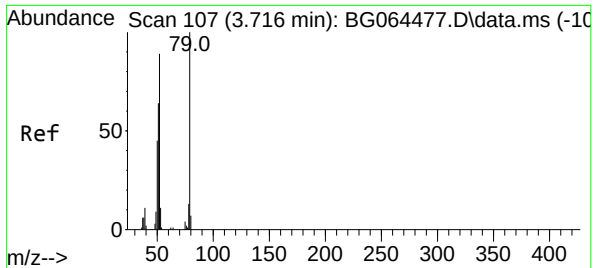
Tgt Ion	152	Resp	18700
Ion Ratio	Lower	Upper	
152	100		
150	145.2	138.6	207.8
115	65.3	63.4	95.2



#2
1,4-Dioxane
Concen: 42.317 ng
RT: 3.338 min Scan# 42
Delta R.T. 0.018 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

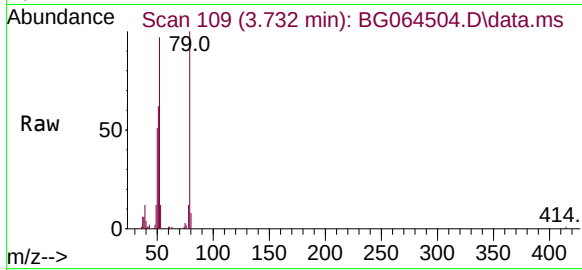
Tgt Ion	88	Resp	16913
Ion Ratio	Lower	Upper	
88	100		
58	80.5	69.8	104.6
43	82.6	37.4	56.0



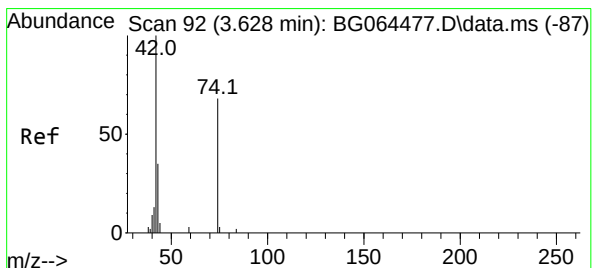
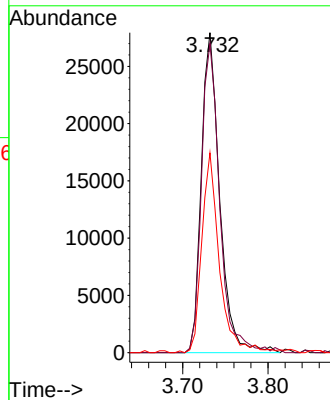
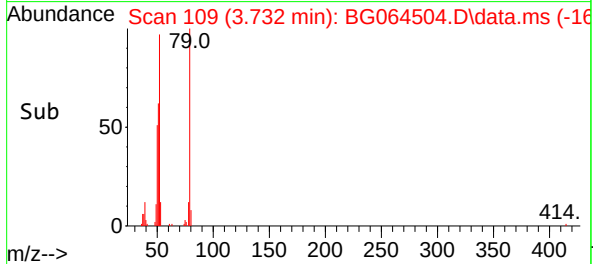


#3
Pyridine
Concen: 38.796 ng
RT: 3.732 min Scan# 10
Delta R.T. 0.018 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

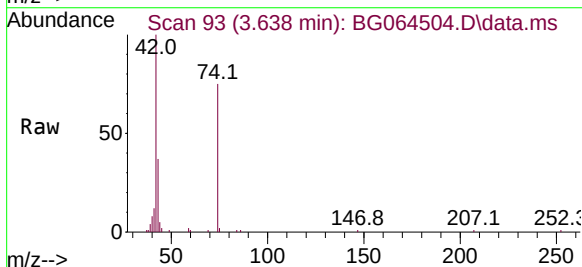
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD



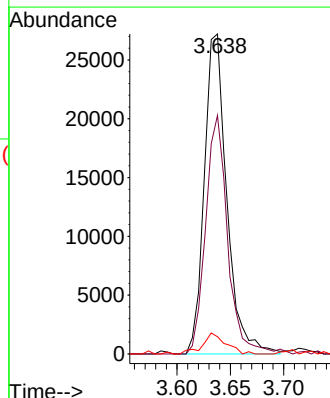
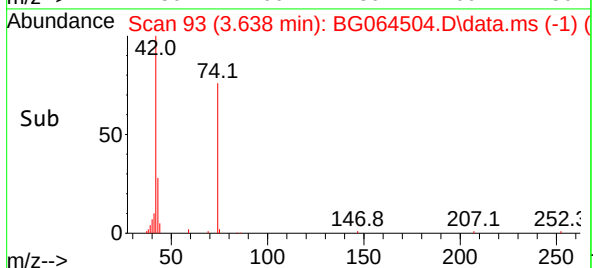
Tgt Ion: 79 Resp: 41672
Ion Ratio Lower Upper
79 100
52 96.6 71.0 106.4
51 62.4 51.0 76.6

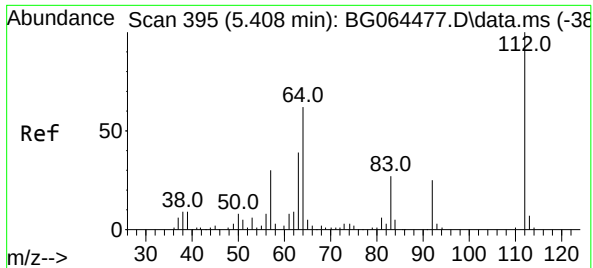


#4
n-Nitrosodimethylamine
Concen: 51.301 ng
RT: 3.638 min Scan# 93
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33



Tgt Ion: 42 Resp: 39947
Ion Ratio Lower Upper
42 100
74 74.5 54.2 81.4
44 5.4 4.2 6.2

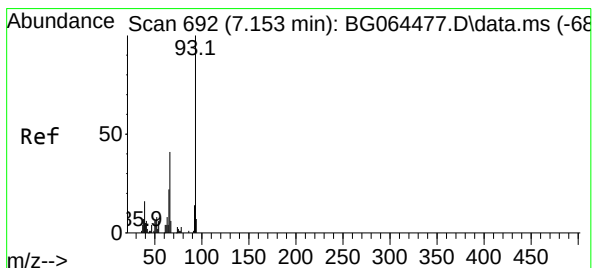
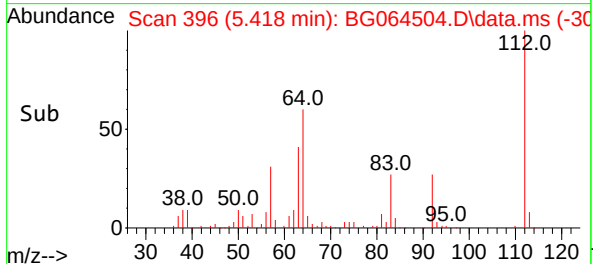
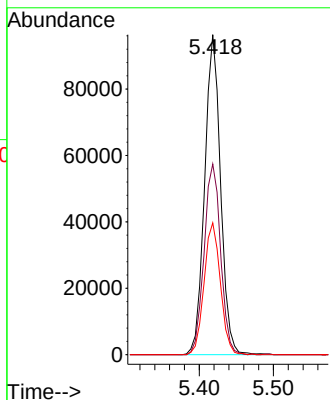
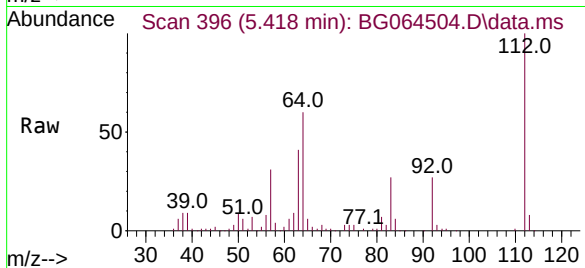




#5
2-Fluorophenol
Concen: 142.089 ng
RT: 5.418 min Scan# 395
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

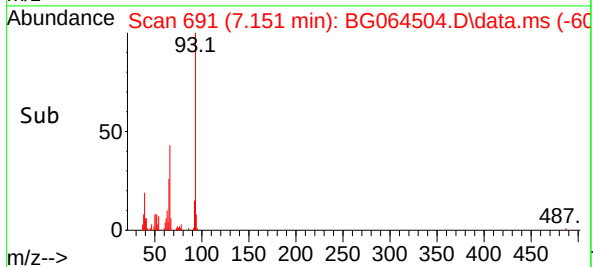
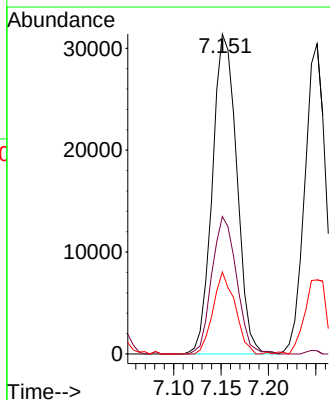
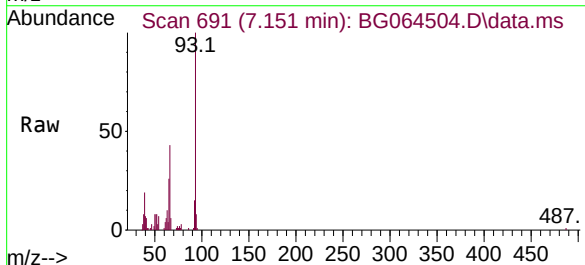
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

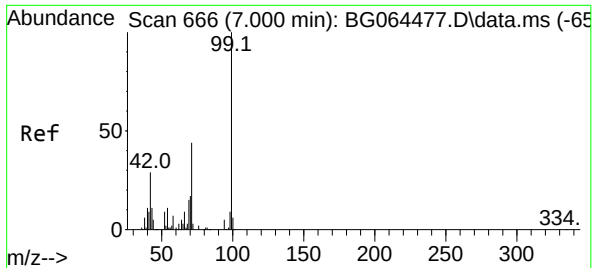
Tgt Ion:112 Resp: 143572
Ion Ratio Lower Upper
112 100
64 59.6 49.8 74.8
63 41.2 31.3 46.9



#6
Aniline
Concen: 32.801 ng
RT: 7.151 min Scan# 691
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

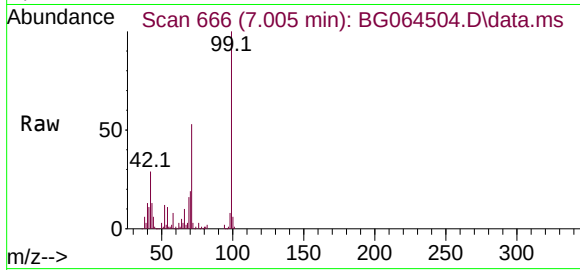
Tgt Ion: 93 Resp: 56182
Ion Ratio Lower Upper
93 100
66 42.9 33.0 49.4
65 25.6 17.5 26.3



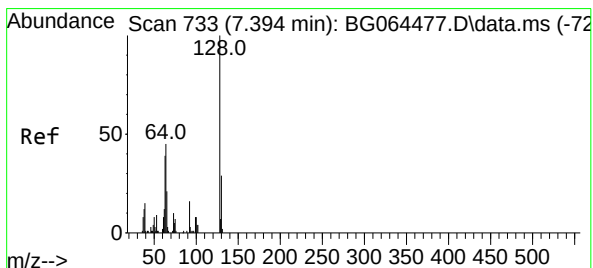
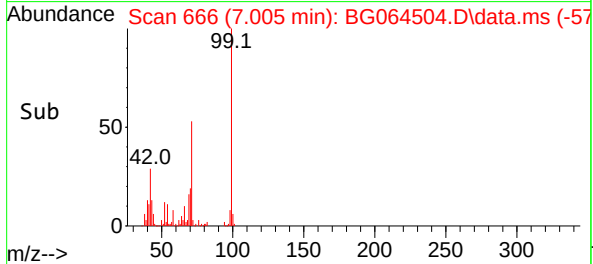
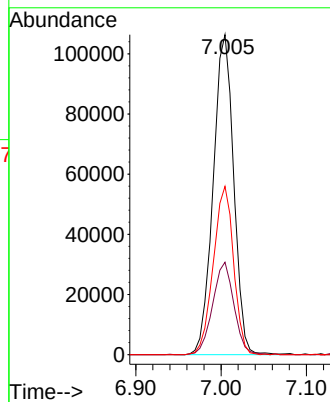


#7
Phenol-d6
Concen: 130.762 ng
RT: 7.005 min Scan# 60
Delta R.T. 0.018 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

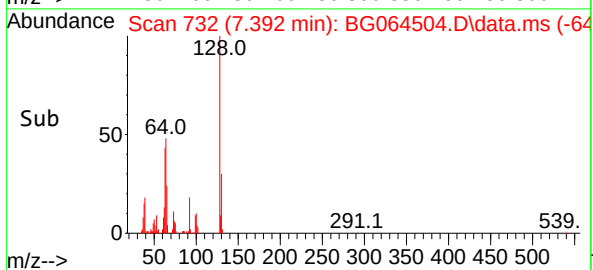
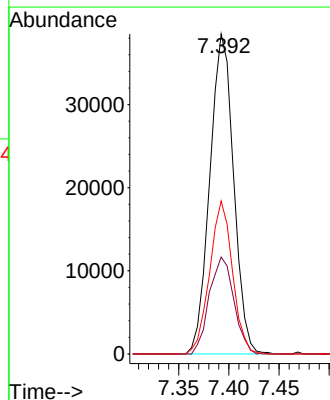
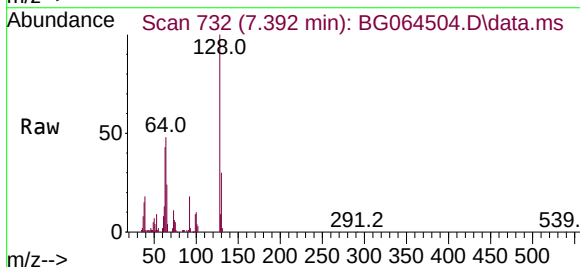


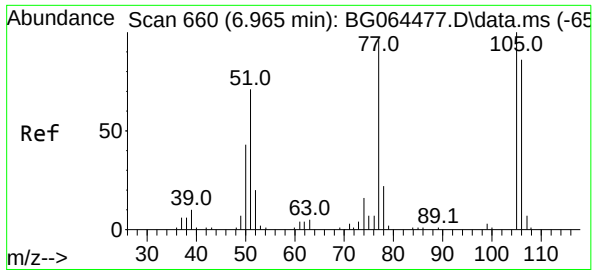
Tgt Ion: 99 Resp: 177557
Ion Ratio Lower Upper
99 100
42 28.9 22.9 34.3
71 52.6 35.4 53.2



#8
2-Chlorophenol
Concen: 51.149 ng
RT: 7.392 min Scan# 732
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion: 128 Resp: 63464
Ion Ratio Lower Upper
128 100
130 30.3 9.2 49.2
64 47.8 25.5 65.5

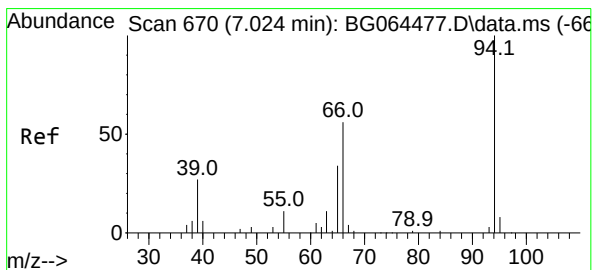
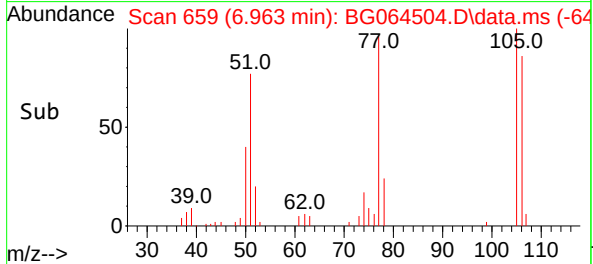
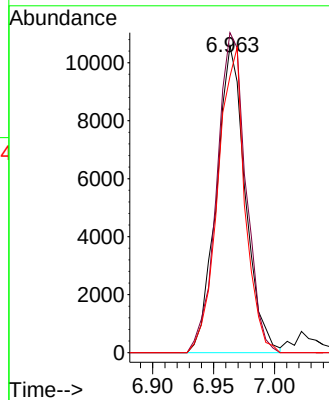
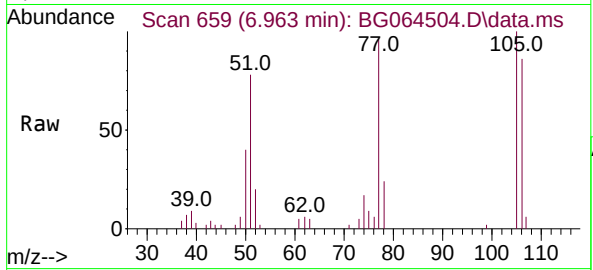




#9
Benzaldehyde
Concen: 14.471 ng
RT: 6.963 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

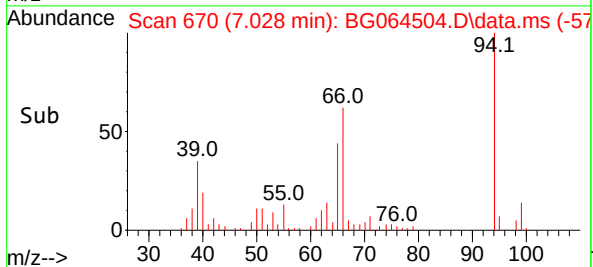
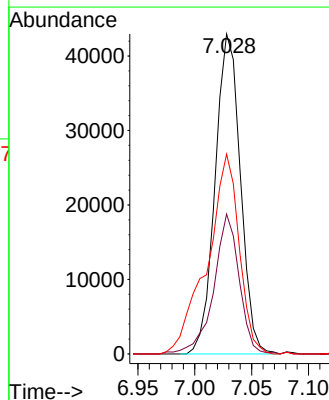
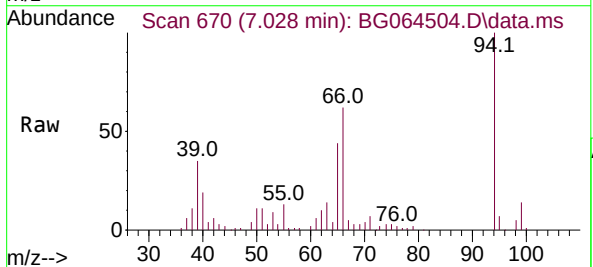
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

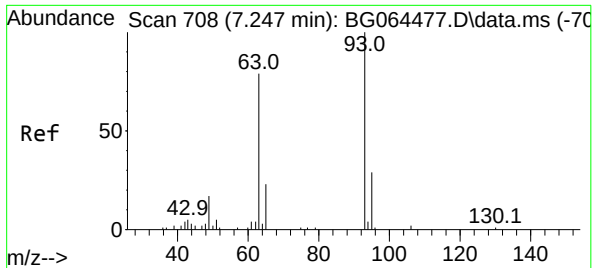
Tgt Ion: 77 Resp: 17443
Ion Ratio Lower Upper
77 100
105 104.3 83.7 123.7
106 90.0 69.4 109.4



#10
Phenol
Concen: 46.330 ng
RT: 7.028 min Scan# 670
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion: 94 Resp: 66364
Ion Ratio Lower Upper
94 100
65 43.7 14.8 54.8
66 62.4 41.4 81.4





#11

bis(2-Chloroethyl)ether

Concen: 48.428 ng

RT: 7.251 min Scan# 708

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

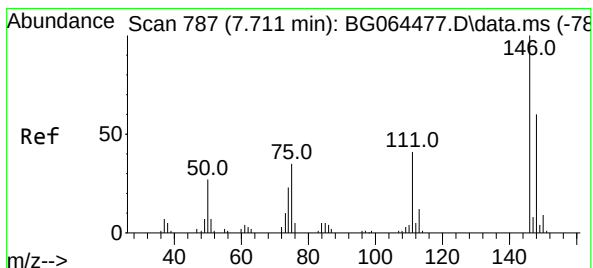
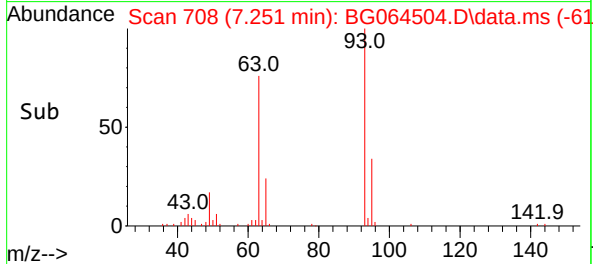
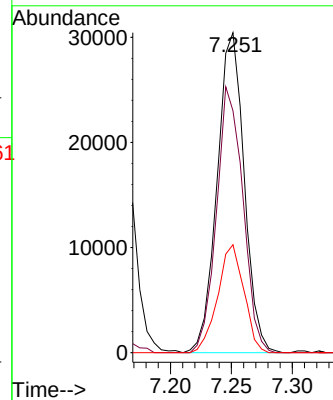
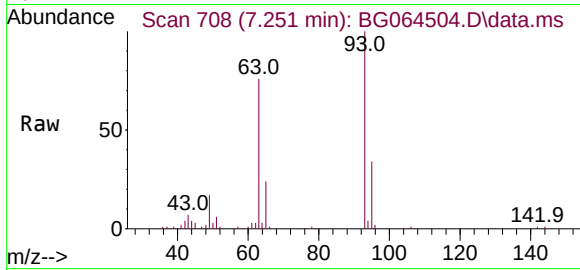
Tgt Ion: 93 Resp: 46978

Ion Ratio Lower Upper

93 100

63 75.6 59.5 99.5

95 33.7 8.8 48.8



#12

1,3-Dichlorobenzene

Concen: 49.975 ng

RT: 7.715 min Scan# 787

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

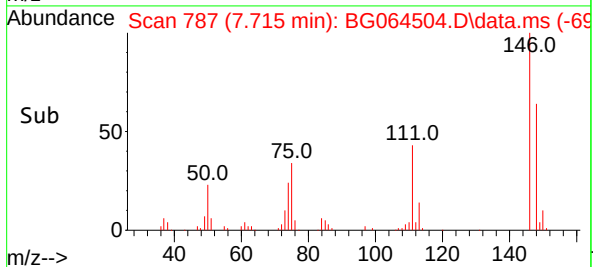
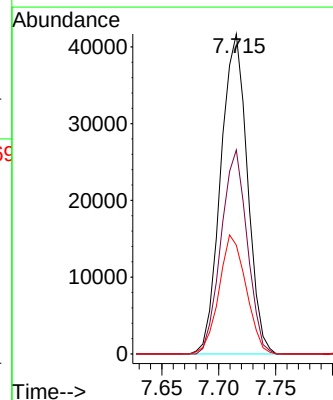
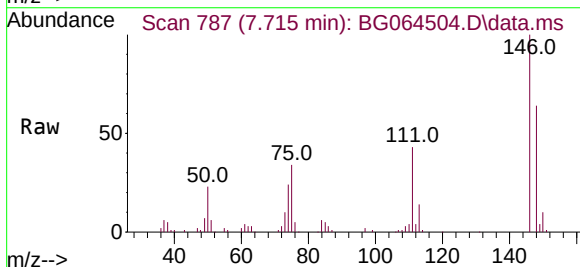
Tgt Ion:146 Resp: 67831

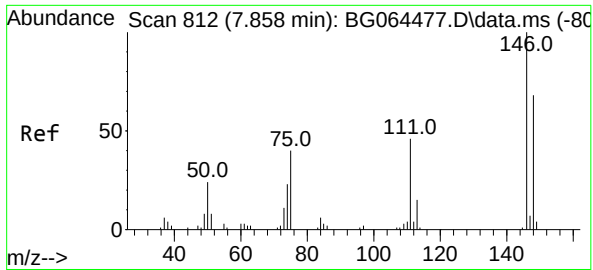
Ion Ratio Lower Upper

146 100

148 63.7 48.4 72.6

75 34.0 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 51.646 ng

RT: 7.856 min Scan# 81

Delta R.T. 0.001 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

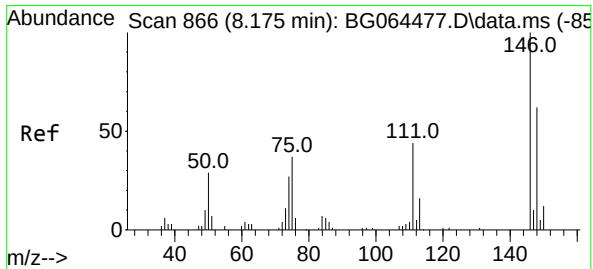
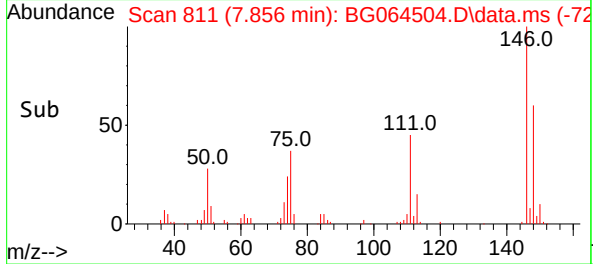
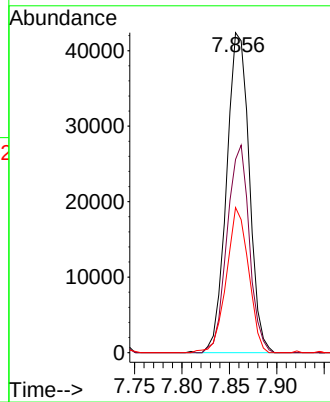
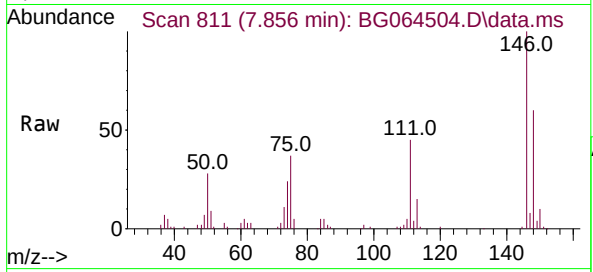
Tgt Ion:146 Resp: 70354

Ion Ratio Lower Upper

146 100

148 60.4 54.4 81.6

111 45.3 36.5 54.7



#14

1,2-Dichlorobenzene

Concen: 49.410 ng

RT: 8.174 min Scan# 865

Delta R.T. 0.001 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

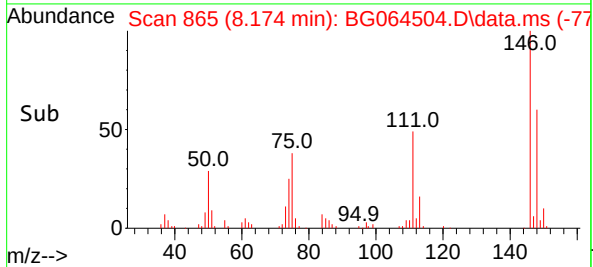
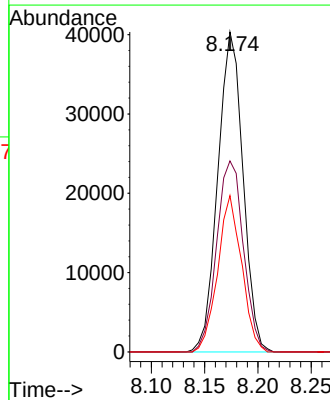
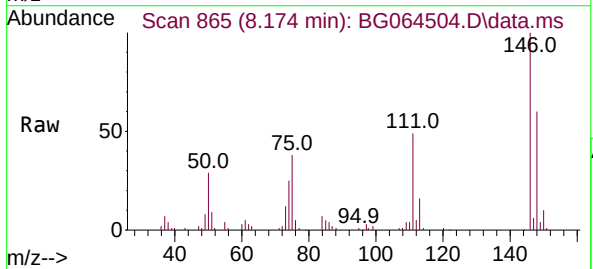
Tgt Ion:146 Resp: 66336

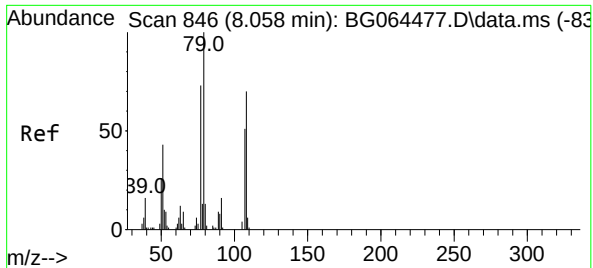
Ion Ratio Lower Upper

146 100

148 59.7 50.0 75.0

111 48.9 35.0 52.4





#15

Benzyl Alcohol

Concen: 50.355 ng

RT: 8.062 min Scan# 846

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

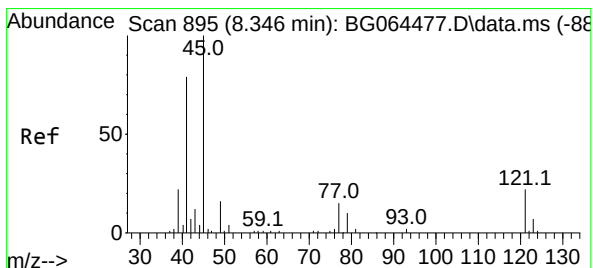
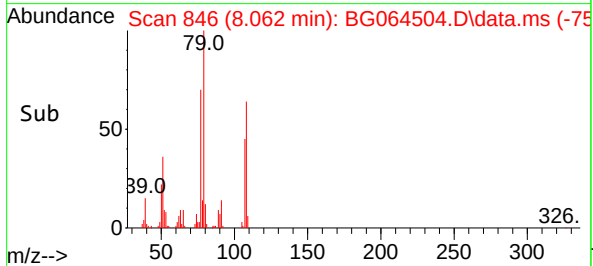
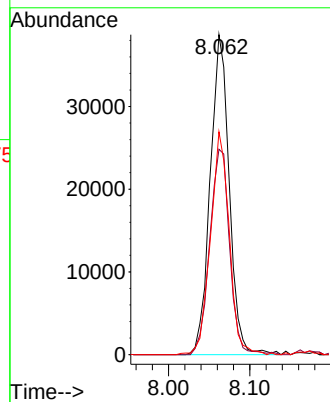
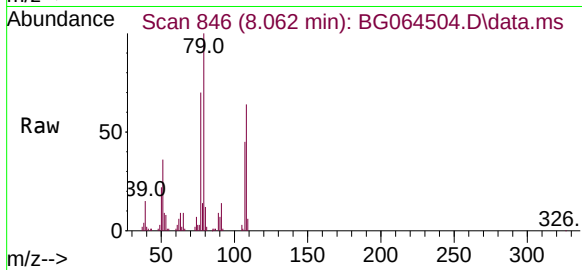
BNA_G

ClientSampleId :

P001-DS-01MSD

Tgt Ion: 79 Resp: 62969

Ion	Ratio	Lower	Upper
79	100		
108	64.2	56.4	84.6
77	69.6	58.3	87.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.688 ng

RT: 8.350 min Scan# 895

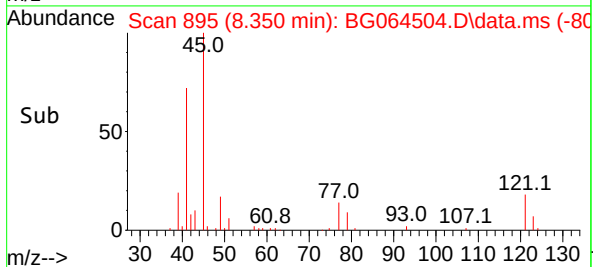
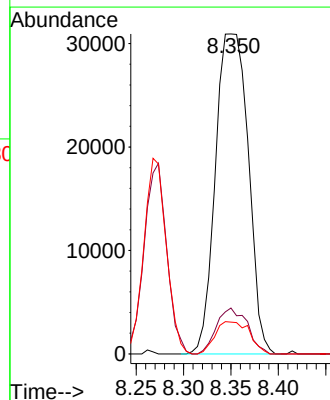
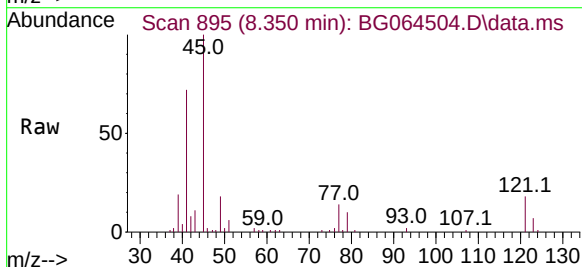
Delta R.T. 0.012 min

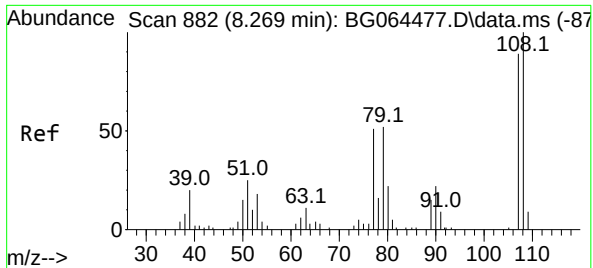
Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Tgt Ion: 45 Resp: 74567

Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	35.6
79	9.9	0.0	30.7

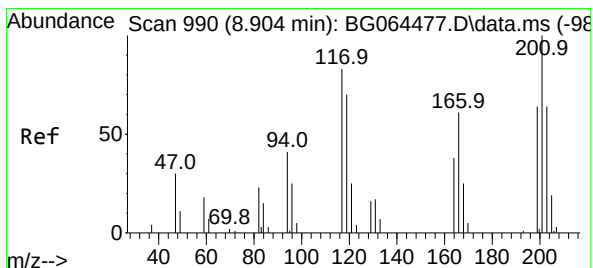
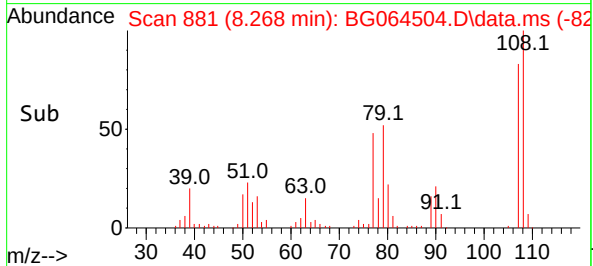
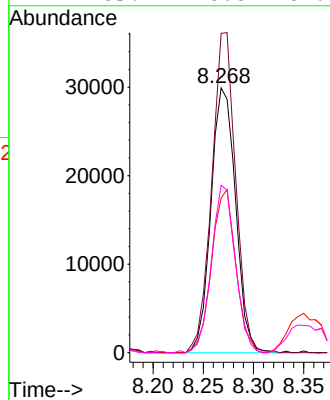
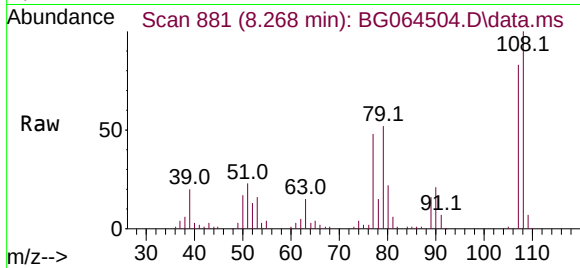




#17
2-Methylphenol
Concen: 49.162 ng
RT: 8.268 min Scan# 881
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

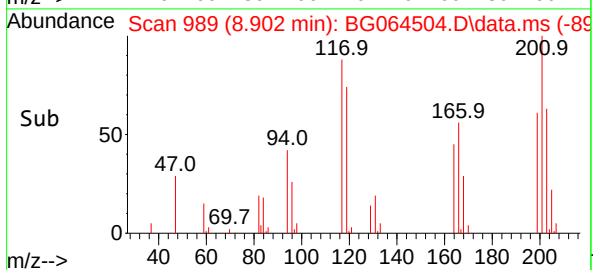
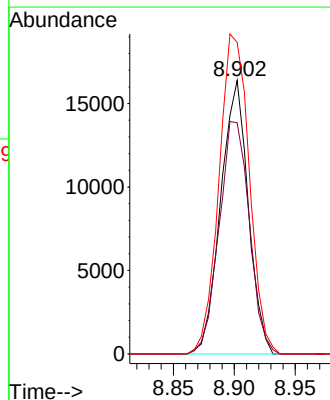
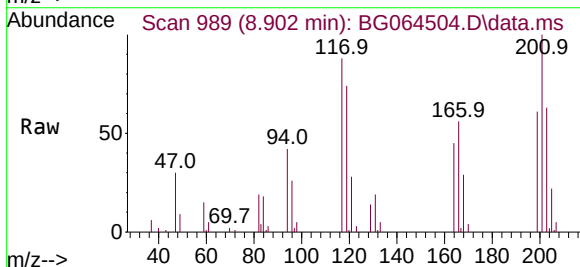
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

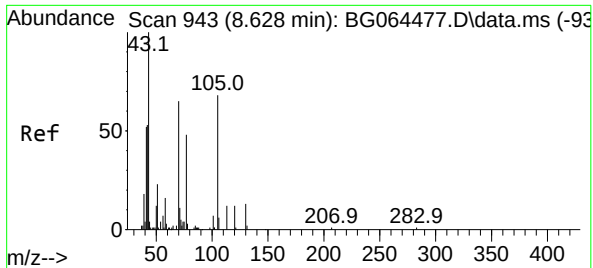
Tgt Ion:	107	Resp:	50993
Ion	Ratio	Lower	Upper
107	100		
108	120.6	90.3	135.5
77	58.4	46.0	69.0
79	63.2	46.6	69.8



#18
Hexachloroethane
Concen: 47.880 ng
RT: 8.902 min Scan# 989
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:	117	Resp:	25745
Ion	Ratio	Lower	Upper
117	100		
119	84.5	67.4	101.0
201	113.9	95.9	143.9





#19

n-Nitroso-di-n-propylamine

Concen: 49.638 ng

RT: 8.626 min Scan# 94

Delta R.T. 0.012 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

Tgt Ion: 70 Resp: 45077

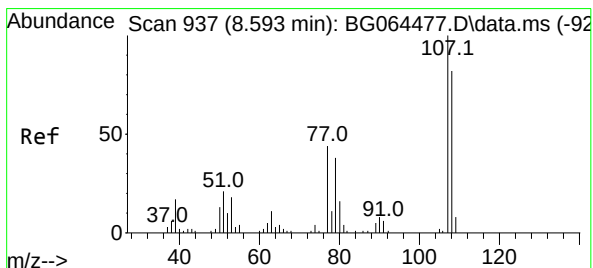
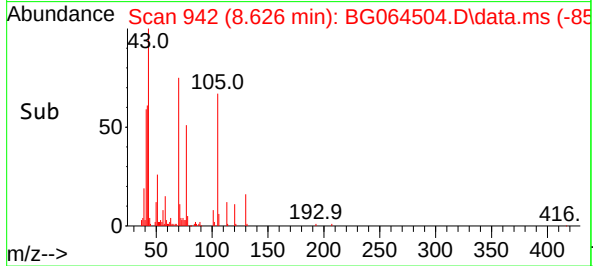
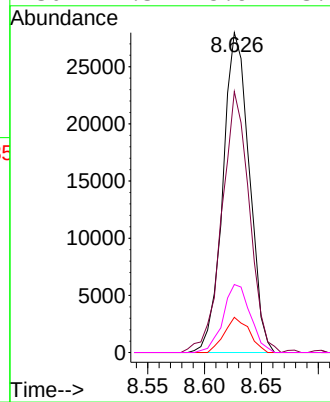
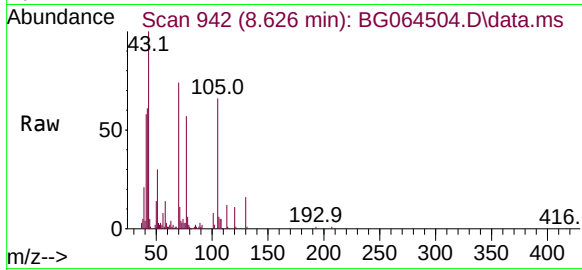
Ion Ratio Lower Upper

70 100

42 81.6 64.9 97.3

101 11.0 8.7 13.1

130 21.3 15.8 23.8



#20

3+4-Methylphenols

Concen: 49.103 ng

RT: 8.597 min Scan# 937

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Tgt Ion: 107 Resp: 71074

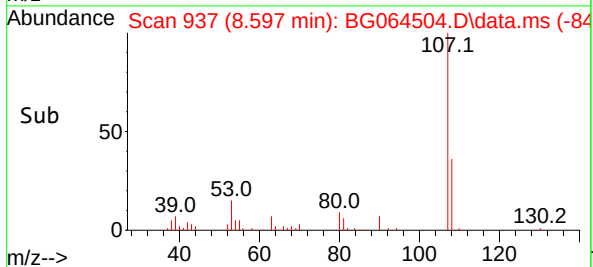
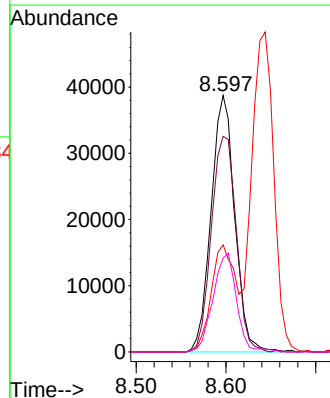
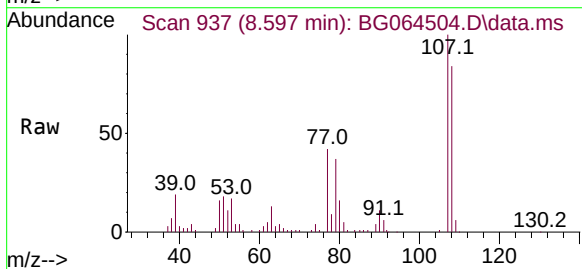
Ion Ratio Lower Upper

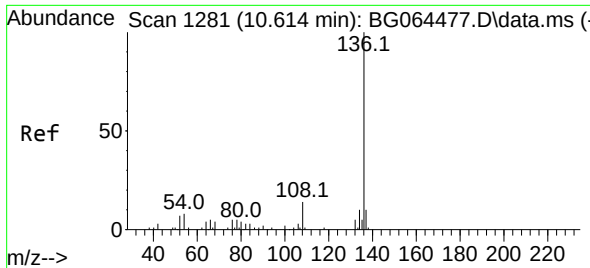
107 100

108 84.1 62.1 102.1

77 41.7 23.5 63.5

79 36.6 17.8 57.8

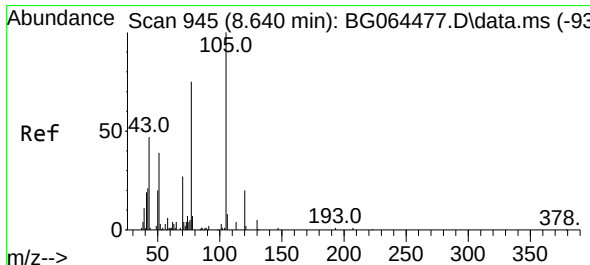
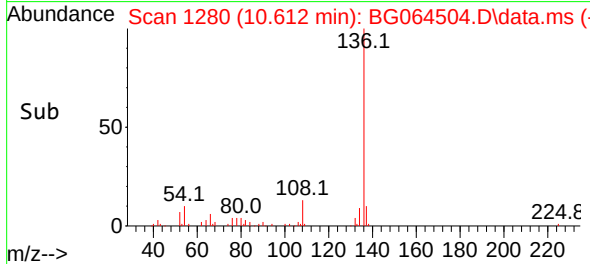
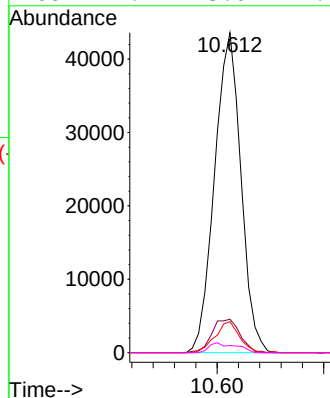
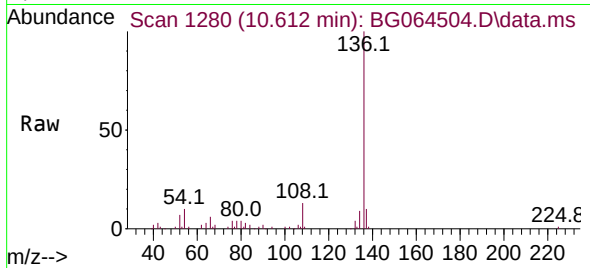




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.612 min Scan# 1281
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

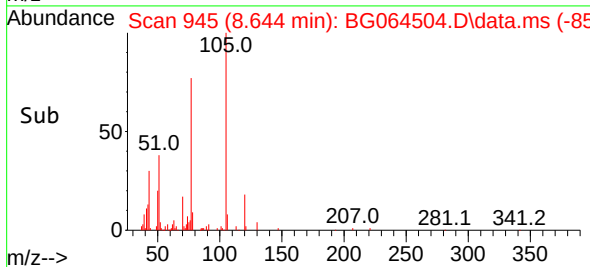
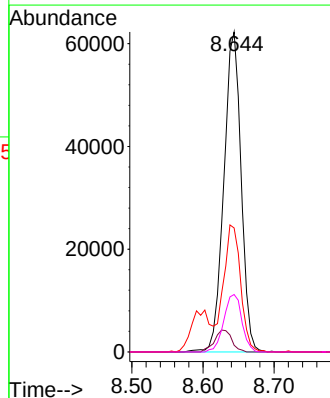
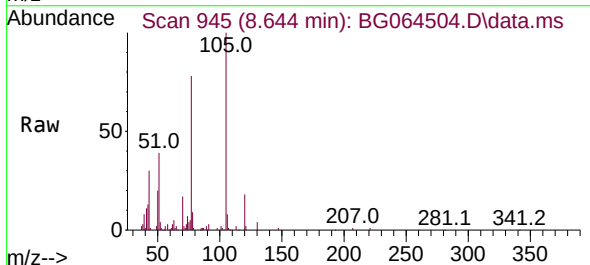
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

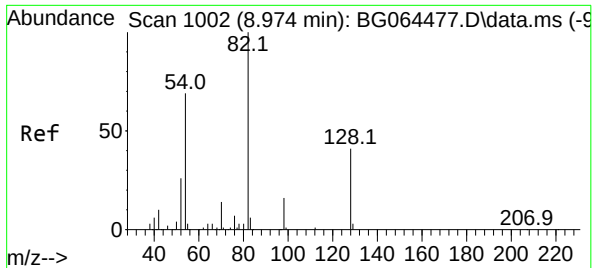
Tgt Ion:136 Resp: 74842
Ion Ratio Lower Upper
136 100
137 10.4 8.3 12.5
54 9.7 6.2 9.4#
68 2.2 3.0 4.4#



#22
Acetophenone
Concen: 58.116 ng
RT: 8.644 min Scan# 945
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:105 Resp: 105313
Ion Ratio Lower Upper
105 100
71 2.1 2.8 4.2#
51 38.7 33.0 49.4
120 17.9 15.8 23.6





#23

Nitrobenzene-d5

Concen: 96.652 ng

RT: 8.979 min Scan# 1002

Delta R.T. 0.012 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

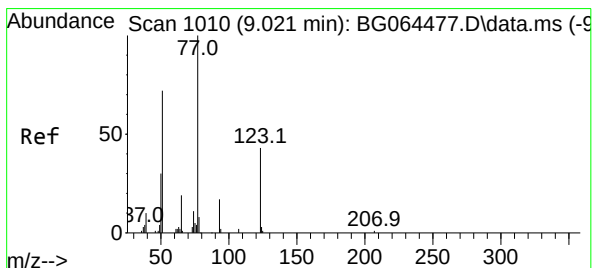
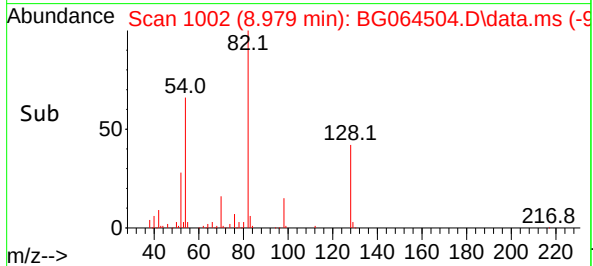
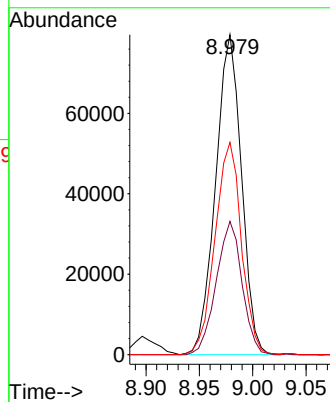
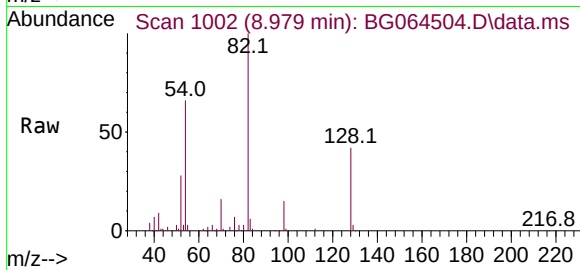
Tgt Ion: 82 Resp: 134529

Ion Ratio Lower Upper

82 100

128 41.6 33.1 49.7

54 66.3 55.4 83.2



#24

Nitrobenzene

Concen: 51.239 ng

RT: 9.020 min Scan# 1009

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

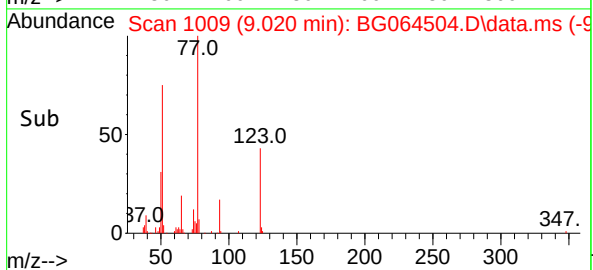
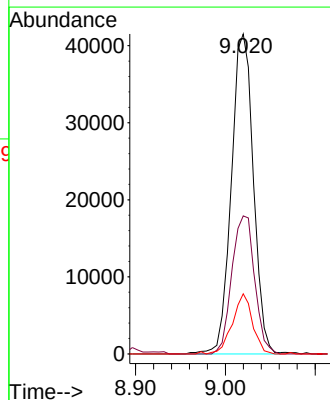
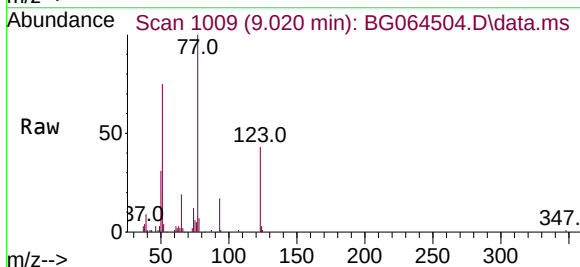
Tgt Ion: 77 Resp: 71121

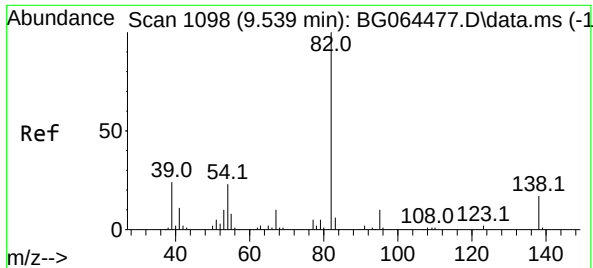
Ion Ratio Lower Upper

77 100

123 43.1 34.4 51.6

65 18.8 14.8 22.2

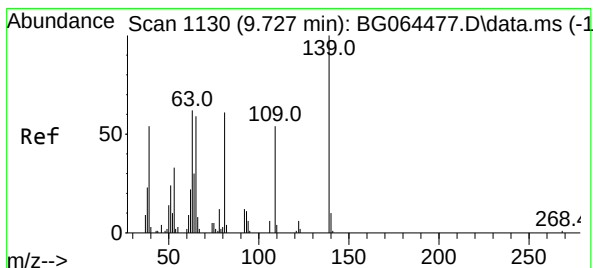
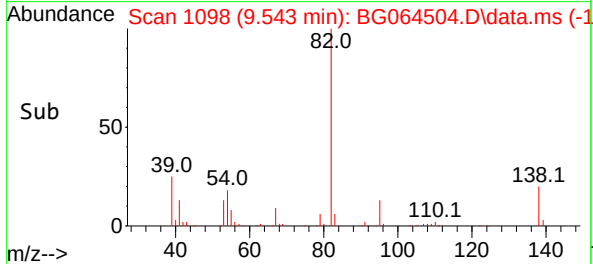
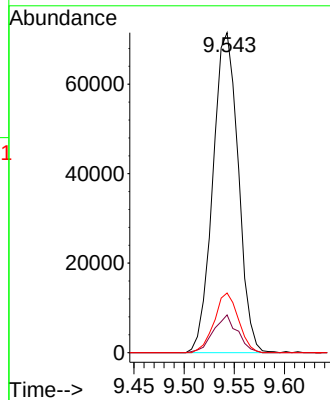
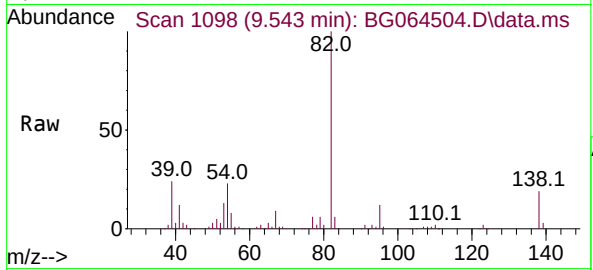




#25
Isophorone
Concen: 49.933 ng
RT: 9.543 min Scan# 1109
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

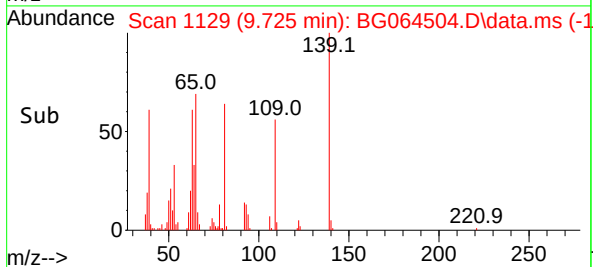
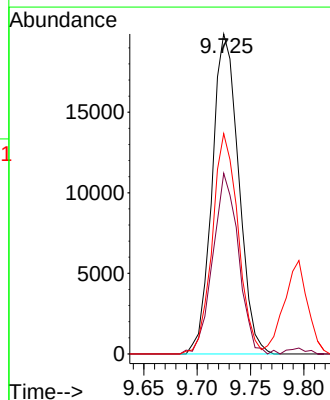
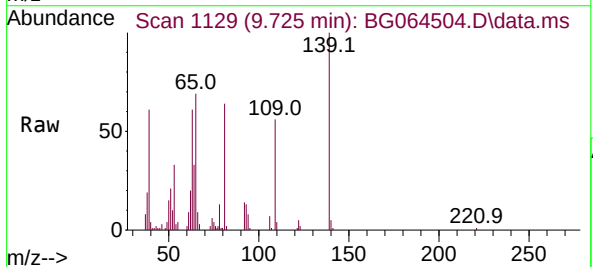
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

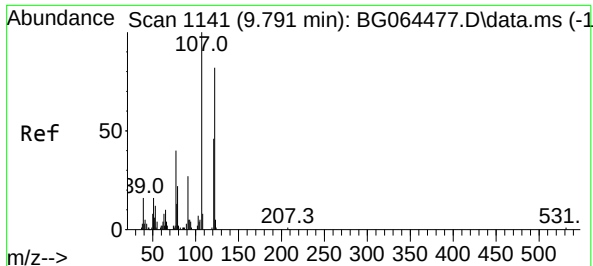
Tgt Ion: 82 Resp: 125909
Ion Ratio Lower Upper
82 100
95 11.8 7.8 11.8#
138 18.6 13.8 20.6



#26
2-Nitrophenol
Concen: 49.766 ng
RT: 9.725 min Scan# 1129
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:139 Resp: 34379
Ion Ratio Lower Upper
139 100
109 56.4 43.0 64.6
65 68.8 47.4 71.2

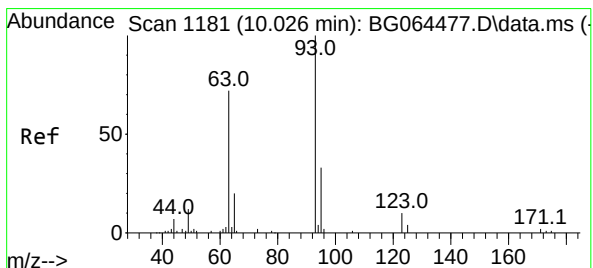
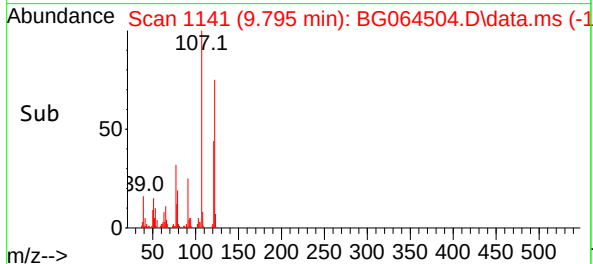
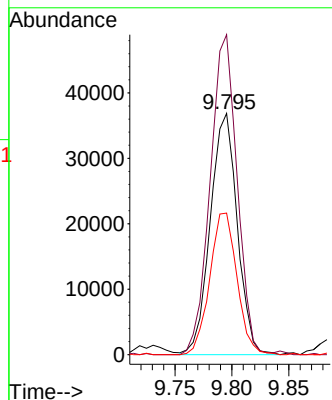
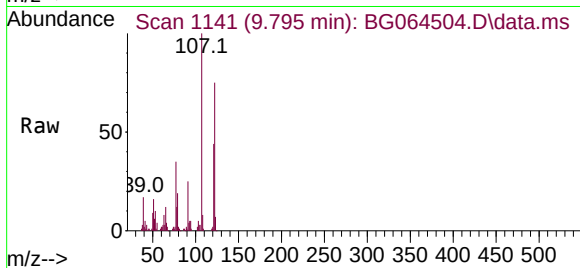




#27
2,4-Dimethylphenol
Concen: 57.660 ng
RT: 9.795 min Scan# 1141
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

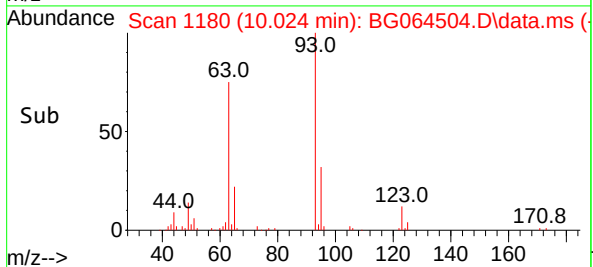
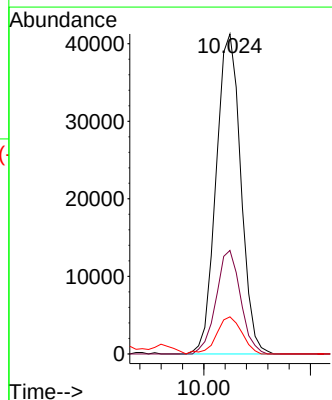
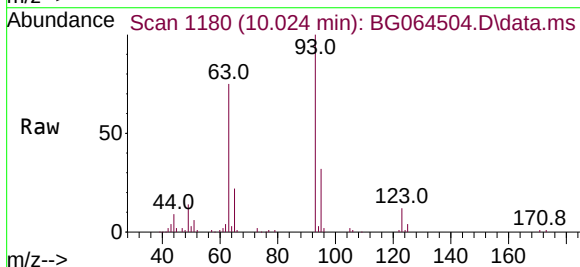
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

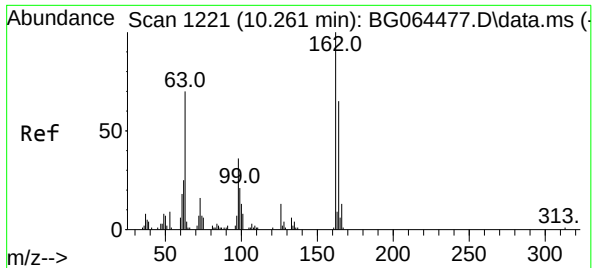
Tgt Ion	Ratio	Lower	Upper
122	100		
107	132.7	98.3	147.5
121	58.7	44.7	67.1



#28
bis(2-Chloroethoxy)methane
Concen: 51.660 ng
RT: 10.024 min Scan# 1180
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.5	39.7
123	11.6	8.9	13.3





#29

2,4-Dichlorophenol

Concen: 55.032 ng

RT: 10.265 min Scan# 1221

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

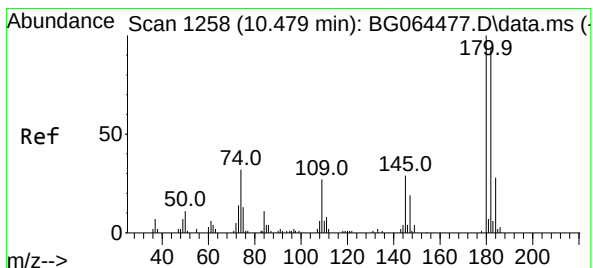
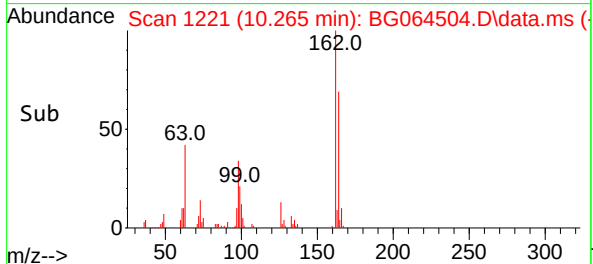
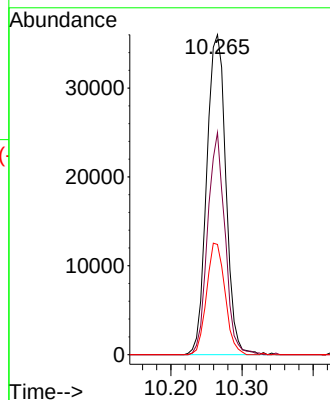
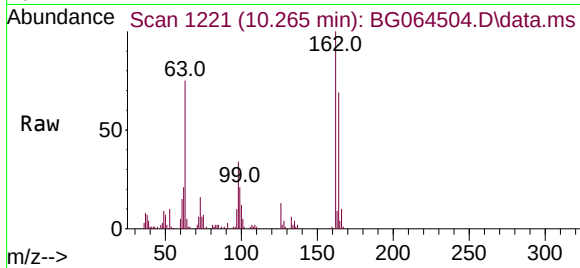
Tgt Ion:162 Resp: 67146

Ion Ratio Lower Upper

162 100

164 69.4 45.4 85.4

98 34.4 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 53.468 ng

RT: 10.477 min Scan# 1257

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

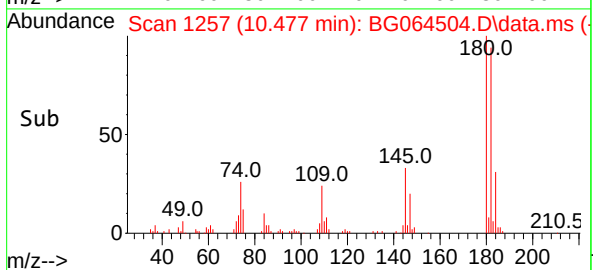
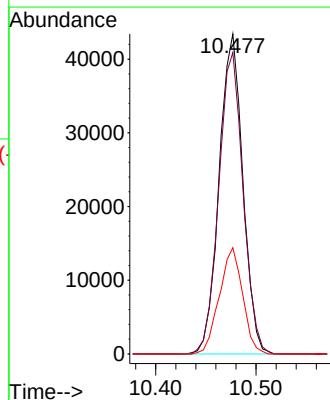
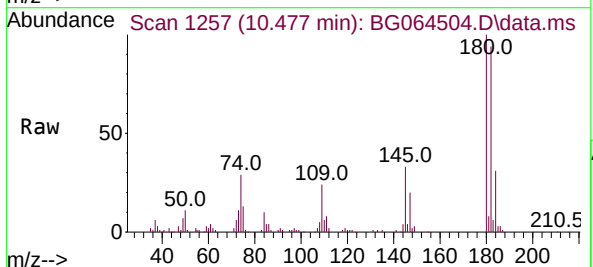
Tgt Ion:180 Resp: 71133

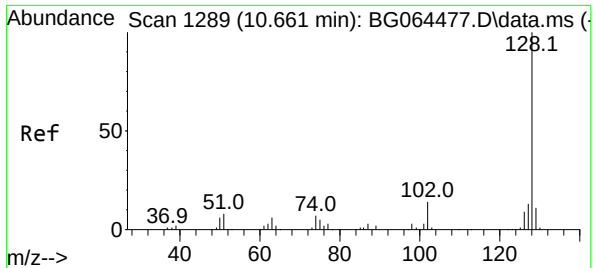
Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.2

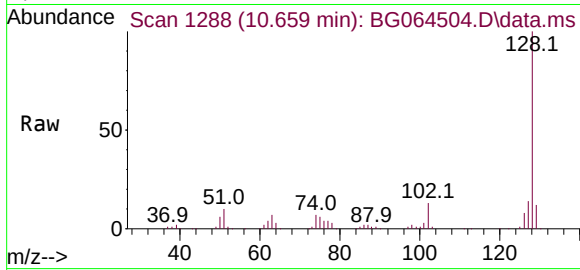
145 33.2 23.2 34.8



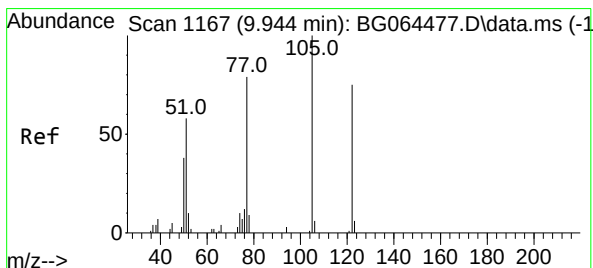
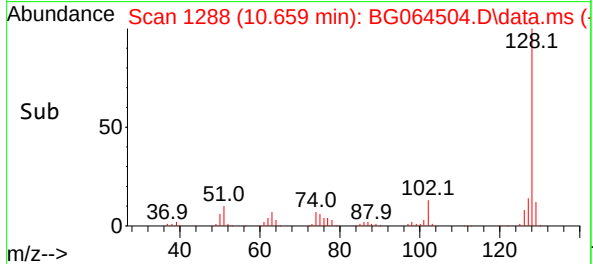
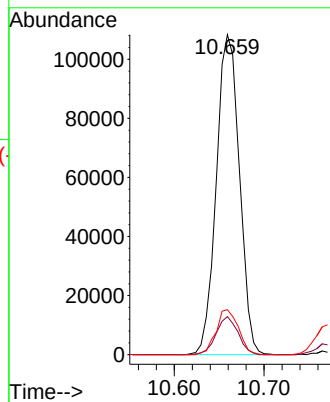


#31
Naphthalene
Concen: 50.315 ng
RT: 10.659 min Scan# 1169
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

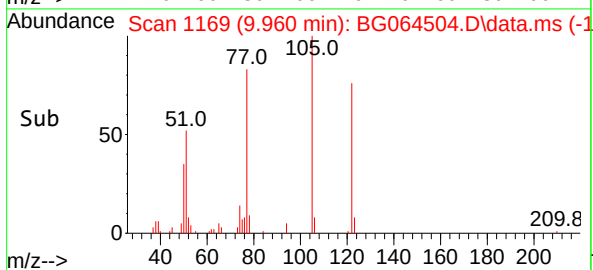
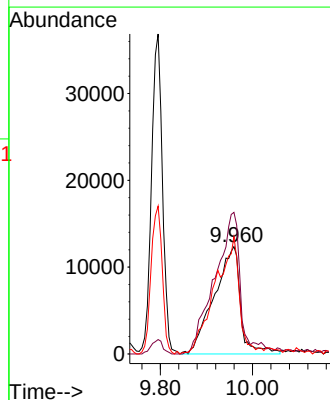
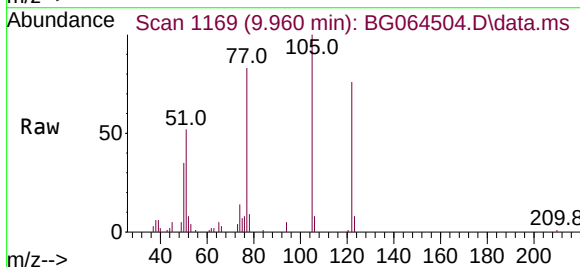


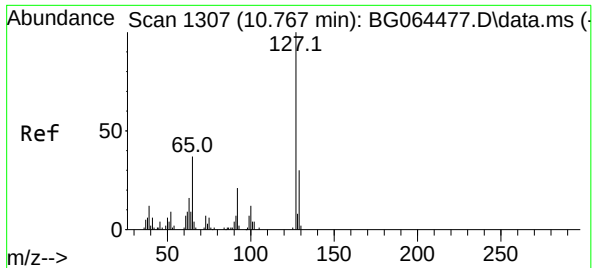
Tgt Ion:128 Resp: 193912
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 14.0 10.2 15.2



#32
Benzoic acid
Concen: 60.562 ng
RT: 9.960 min Scan# 1169
Delta R.T. 0.071 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:122 Resp: 49061
Ion Ratio Lower Upper
122 100
105 132.0 113.9 153.9
77 109.1 86.1 126.1

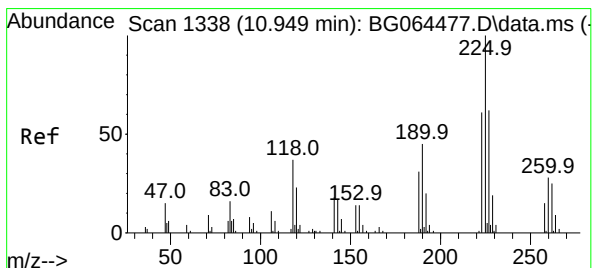
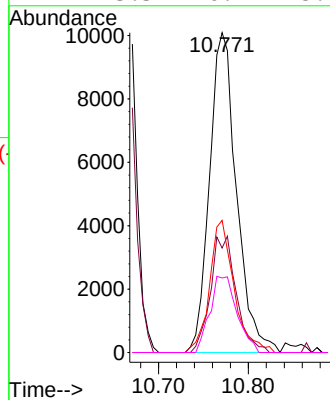
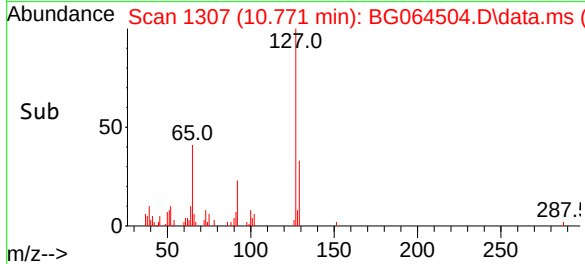
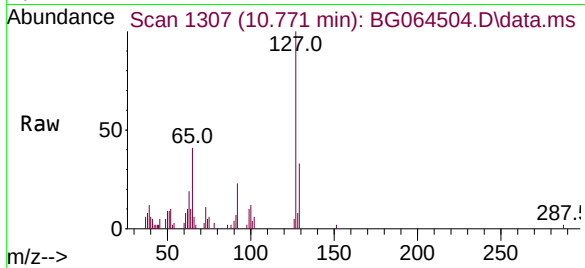




#33
4-Chloroaniline
Concen: 14.296 ng
RT: 10.771 min Scan# 1307
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

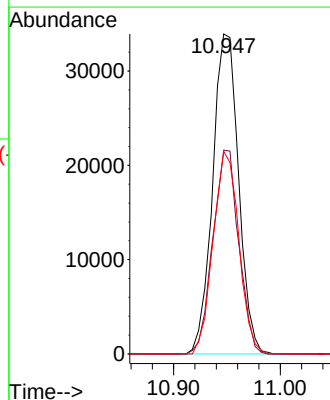
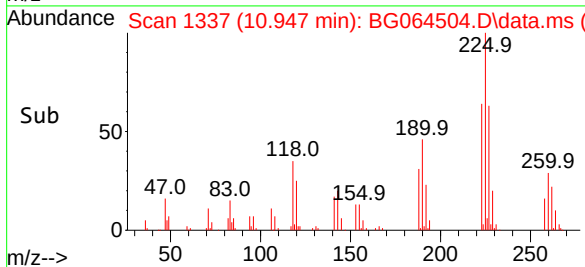
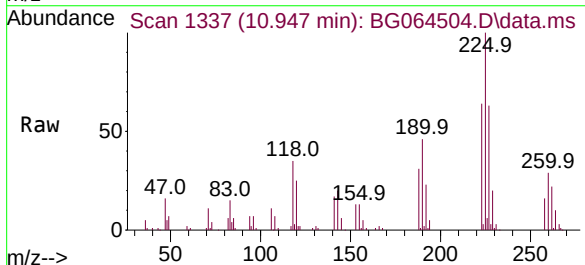
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

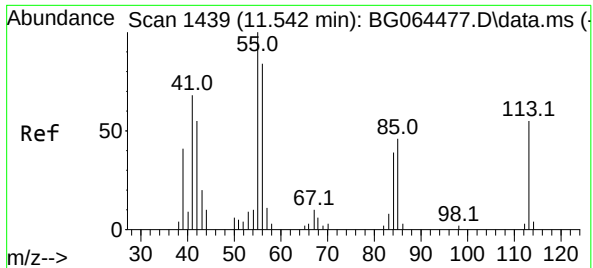
Tgt Ion:	127	Resp:	21142
Ion Ratio	Lower	Upper	
127	100		
129	32.7	24.2	36.4
65	41.3	29.6	44.4
92	23.3	16.7	25.1



#34
Hexachlorobutadiene
Concen: 50.337 ng
RT: 10.947 min Scan# 1337
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:	225	Resp:	57351
Ion Ratio	Lower	Upper	
225	100		
223	66.7	49.0	73.6
227	63.3	49.9	74.9

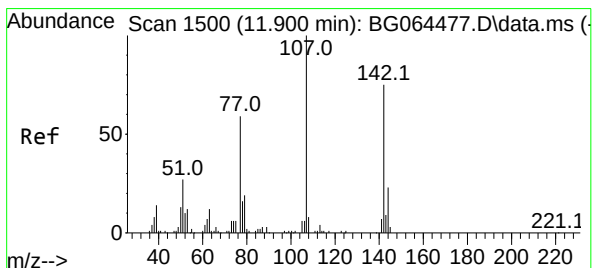
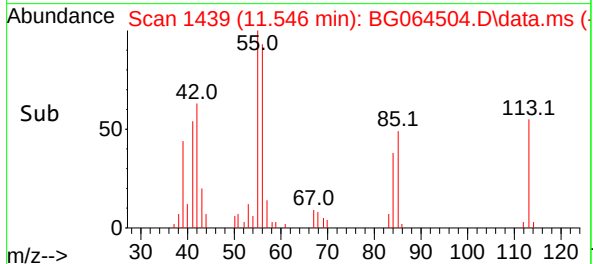
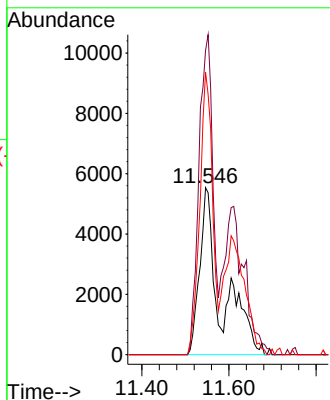
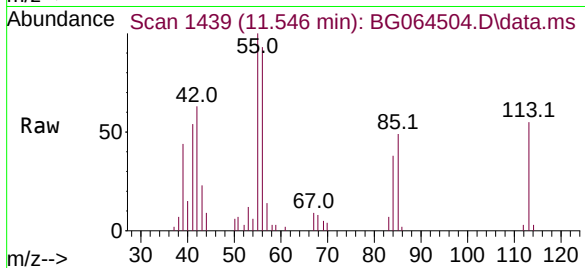




#35
 Caprolactam
 Concen: 44.867 ng m
 RT: 11.546 min Scan# 1439
 Delta R.T. 0.036 min
 Lab File: BG064504.D
 Acq: 14 Oct 2025 17:33

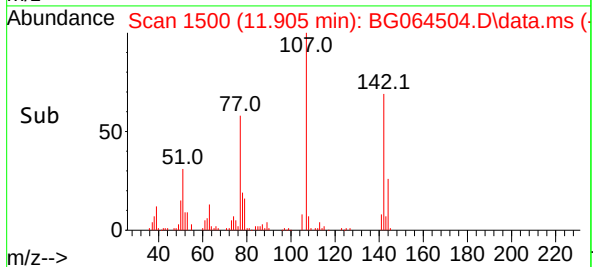
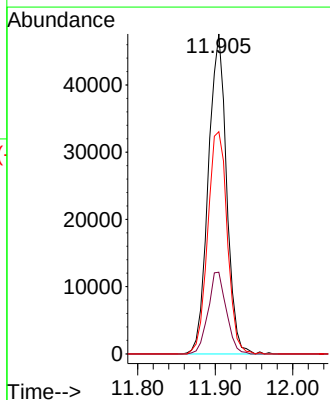
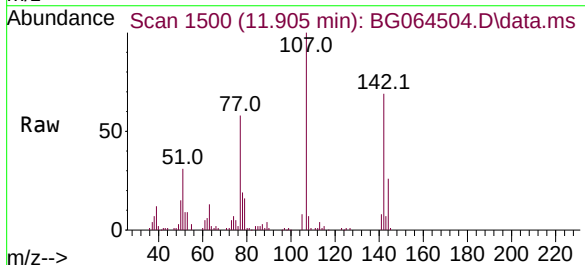
Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MSD

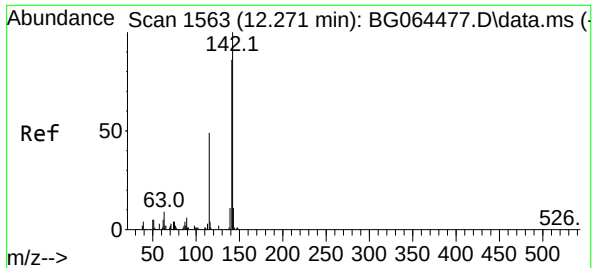
Tgt Ion:113 Resp: 18741
 Ion Ratio Lower Upper
 113 100
 55 182.2 162.0 202.0
 56 169.3 134.6 174.6



#36
 4-Chloro-3-methylphenol
 Concen: 52.350 ng
 RT: 11.905 min Scan# 1500
 Delta R.T. 0.012 min
 Lab File: BG064504.D
 Acq: 14 Oct 2025 17:33

Tgt Ion:107 Resp: 77676
 Ion Ratio Lower Upper
 107 100
 144 25.5 18.7 28.1
 142 69.4 60.2 90.2

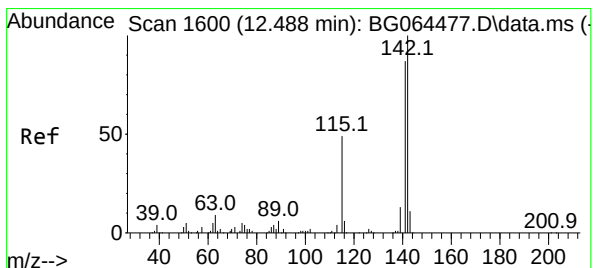
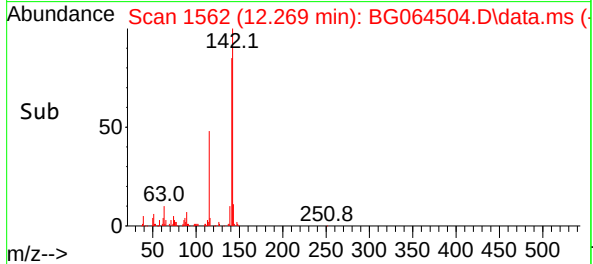
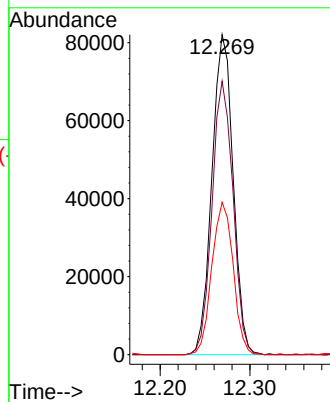
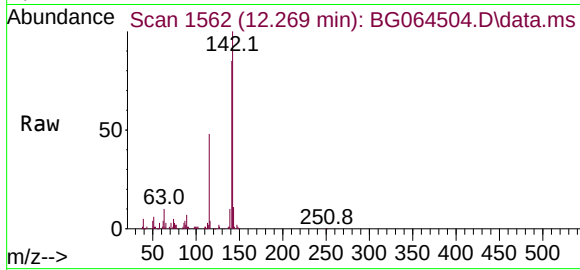




#37
2-Methylnaphthalene
Concen: 45.587 ng
RT: 12.269 min Scan# 1563
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

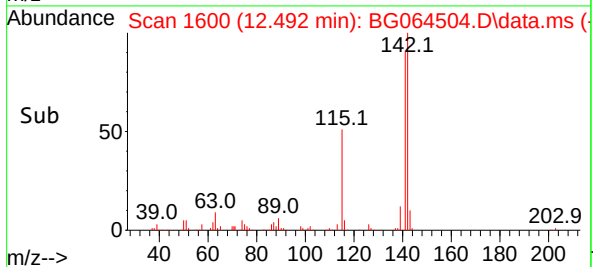
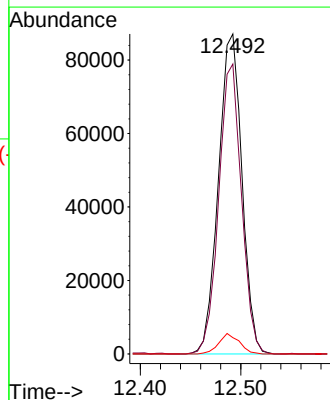
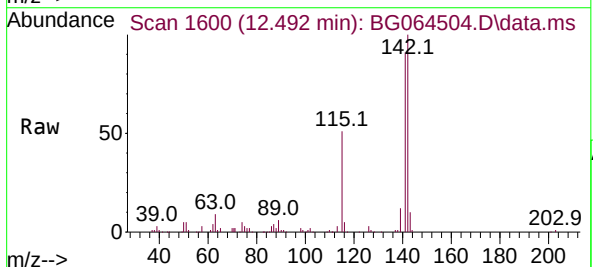
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

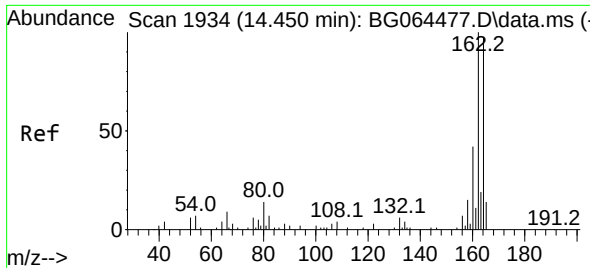
Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	68.7	103.1
115	47.6	39.3	58.9



#38
1-Methylnaphthalene
Concen: 48.139 ng
RT: 12.492 min Scan# 1600
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	69.8	104.8
116	5.1	4.6	6.8

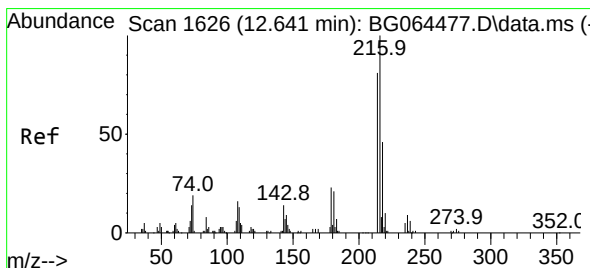
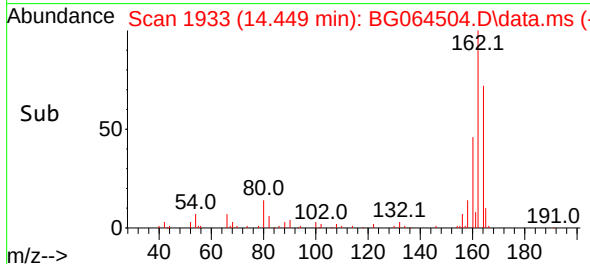
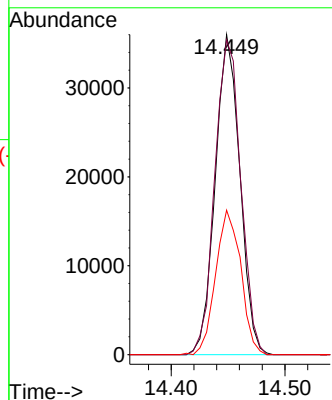
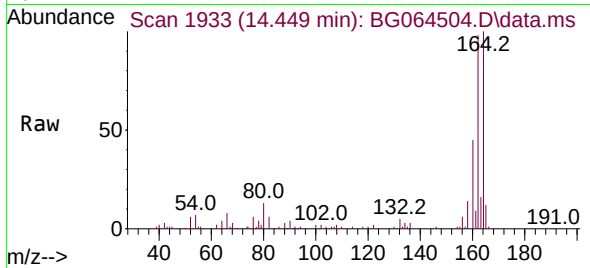




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.449 min Scan# 1934
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

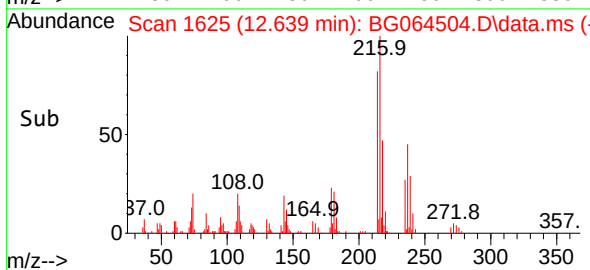
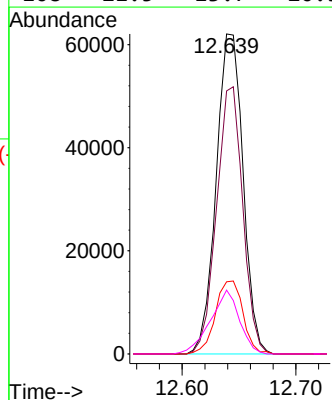
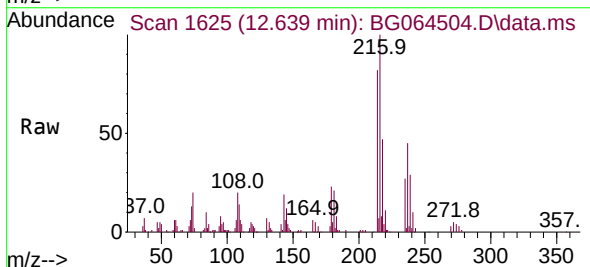
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

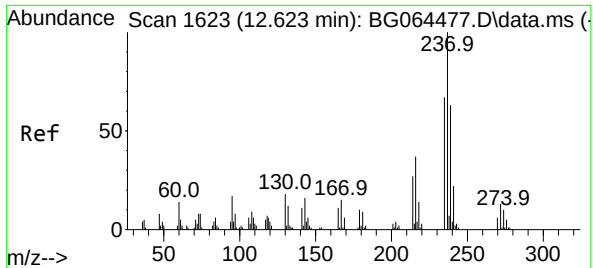
Tgt Ion	Resp	Lower	Upper
164	100		
162	98.4	82.2	123.2
160	45.1	34.3	51.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 58.225 ng
RT: 12.639 min Scan# 1625
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion	Resp	Lower	Upper
216	100		
214	81.3	62.5	93.7
179	23.3	17.0	25.6
108	21.5	13.7	20.5

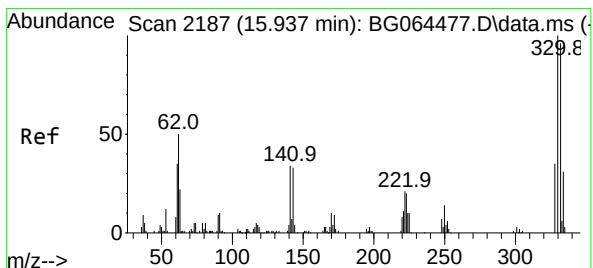
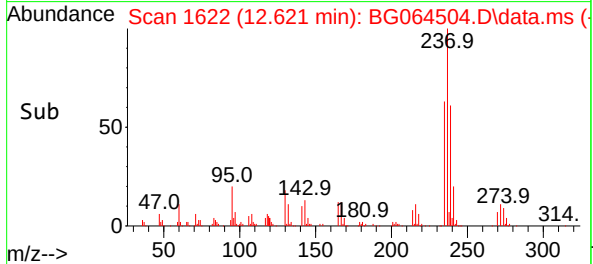
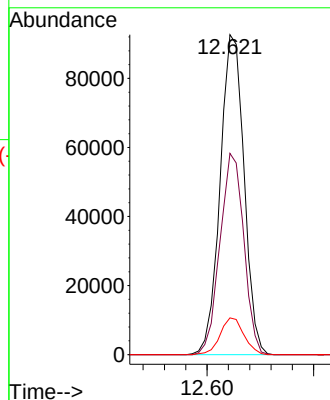
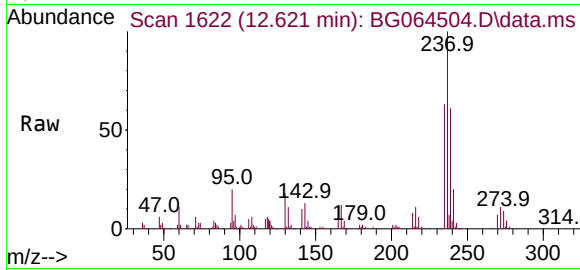




#41
Hexachlorocyclopentadiene
Concen: 157.936 ng
RT: 12.621 min Scan# 1622
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

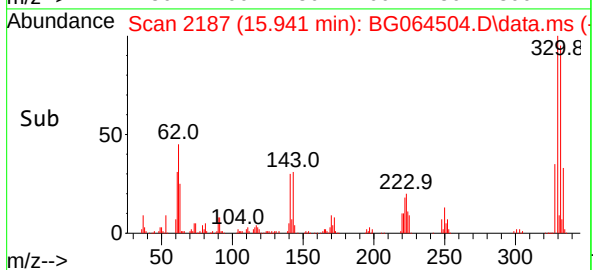
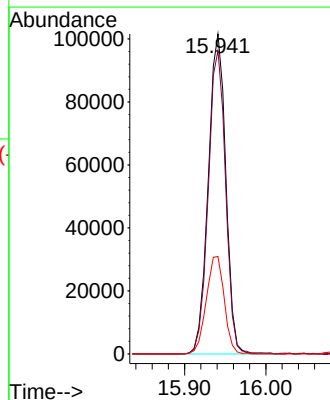
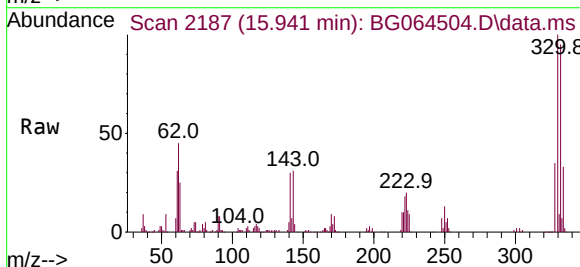
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

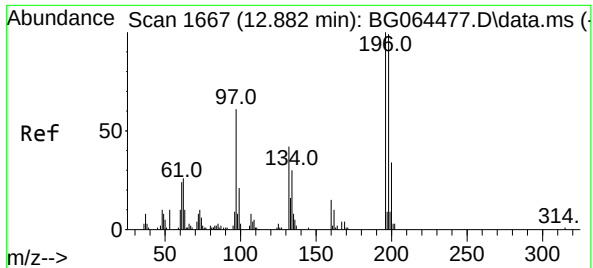
Tgt Ion:237 Resp: 144551
Ion Ratio Lower Upper
237 100
235 62.9 46.9 86.9
272 11.5 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 154.840 ng
RT: 15.941 min Scan# 2187
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:330 Resp: 152095
Ion Ratio Lower Upper
330 100
332 93.5 77.4 116.0
141 31.3 25.8 38.6

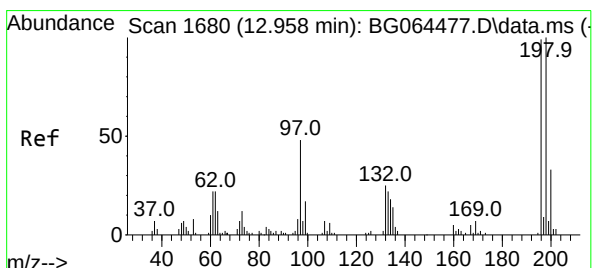
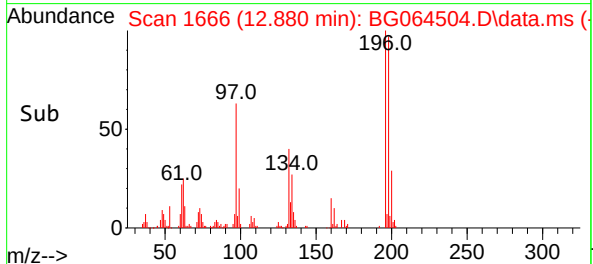
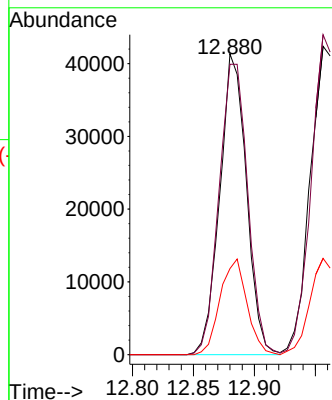
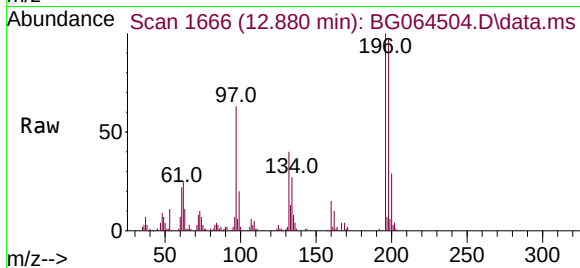




#43
2,4,6-Trichlorophenol
Concen: 56.273 ng
RT: 12.880 min Scan# 1667
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

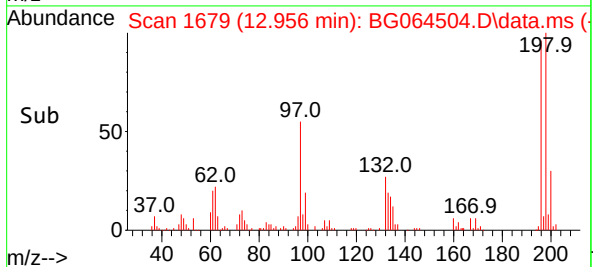
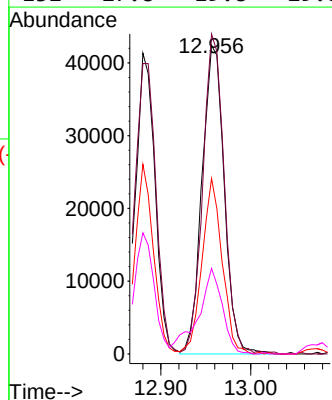
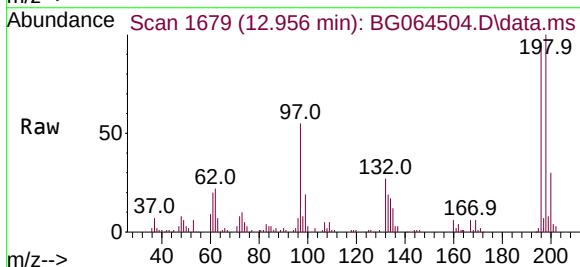
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

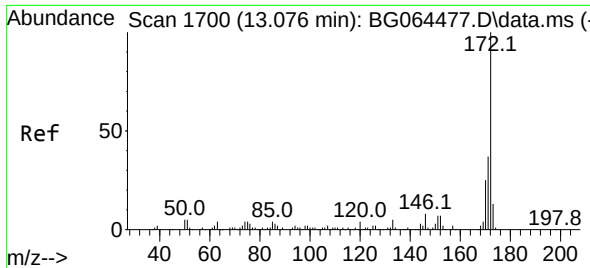
Tgt Ion	196	Resp	62942
Ion Ratio	Lower	Upper	
196	100		
198	96.5	79.3	118.9
200	28.6	27.4	41.2



#44
2,4,5-Trichlorophenol
Concen: 58.417 ng
RT: 12.956 min Scan# 1679
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion	196	Resp	72947
Ion Ratio	Lower	Upper	
196	100		
198	103.8	80.3	120.5
97	56.9	39.4	59.0
132	27.8	19.8	29.8

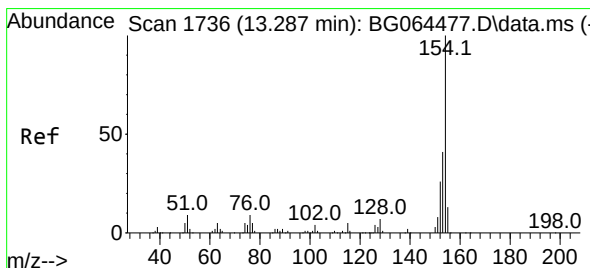
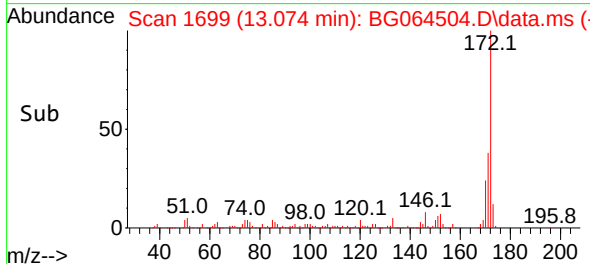
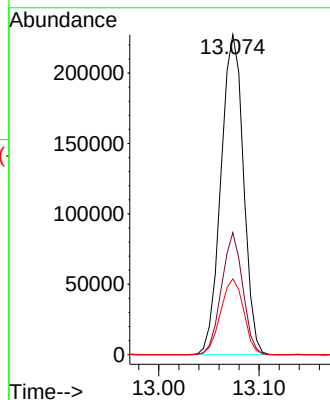
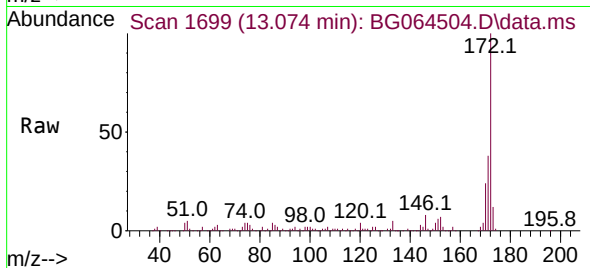




#45
2-Fluorobiphenyl
Concen: 96.499 ng
RT: 13.074 min Scan# 1699
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

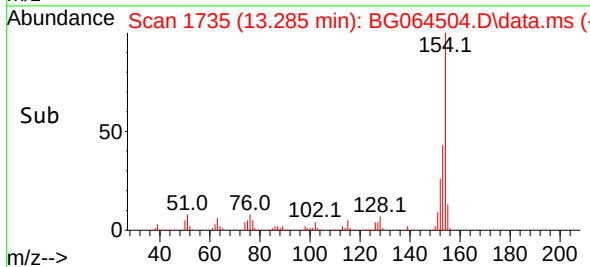
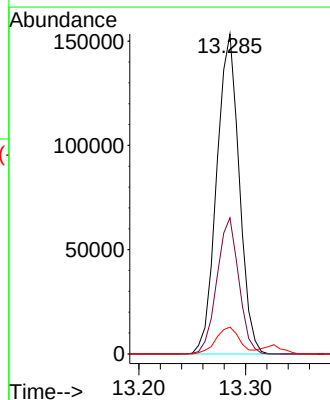
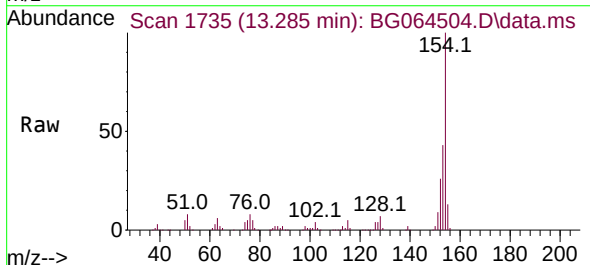
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

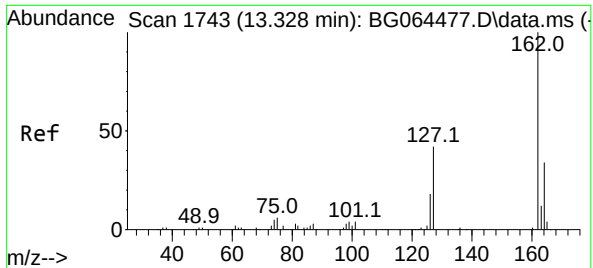
Tgt Ion:172 Resp: 354768
Ion Ratio Lower Upper
172 100
171 38.1 29.6 44.4
170 23.7 20.2 30.2



#46
1,1'-Biphenyl
Concen: 57.907 ng
RT: 13.285 min Scan# 1735
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:154 Resp: 225695
Ion Ratio Lower Upper
154 100
153 42.5 20.7 60.7
76 8.4 0.0 29.3





#47

2-Chloronaphthalene

Concen: 52.608 ng

RT: 13.326 min Scan# 1743

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

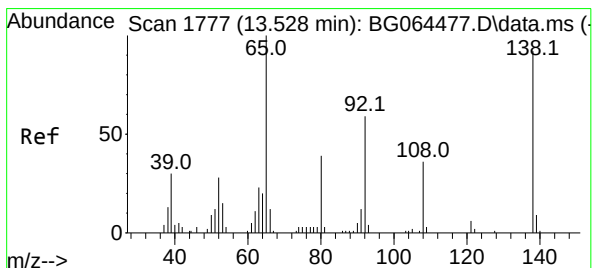
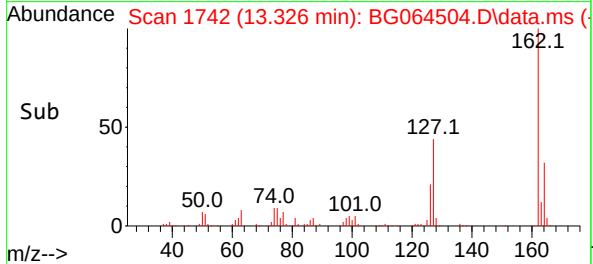
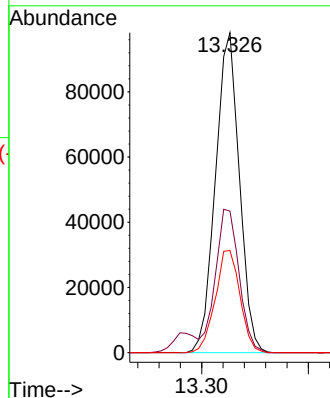
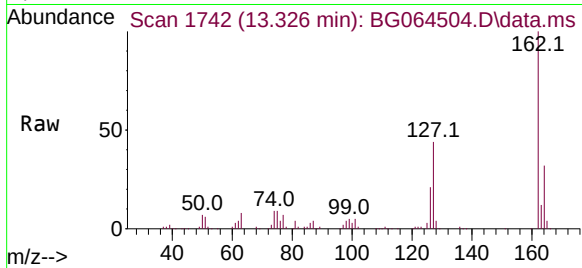
Tgt Ion:162 Resp: 153088

Ion Ratio Lower Upper

162 100

127 44.2 35.8 53.8

164 31.9 27.2 40.8



#48

2-Nitroaniline

Concen: 55.996 ng

RT: 13.526 min Scan# 1776

Delta R.T. 0.001 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

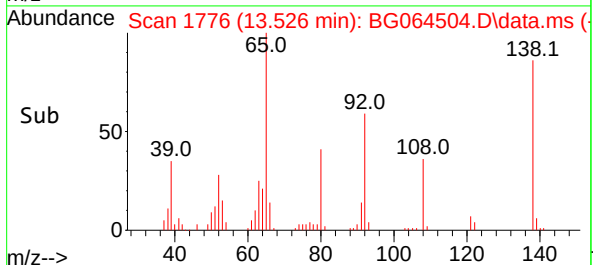
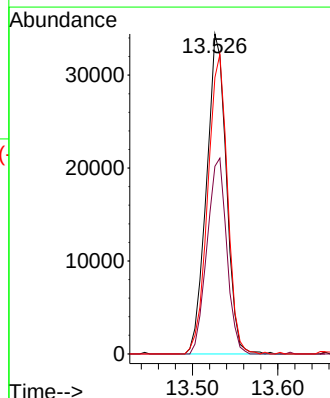
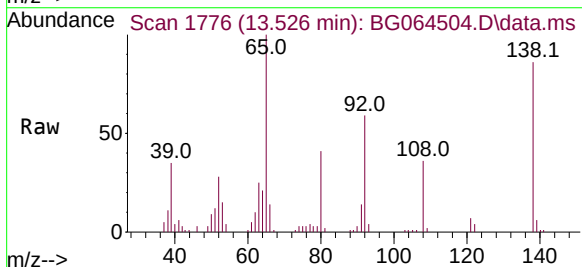
Tgt Ion: 65 Resp: 55614

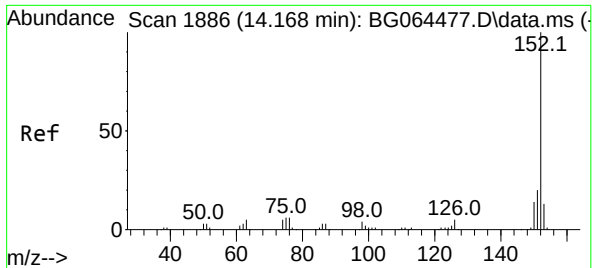
Ion Ratio Lower Upper

65 100

92 58.6 47.0 70.6

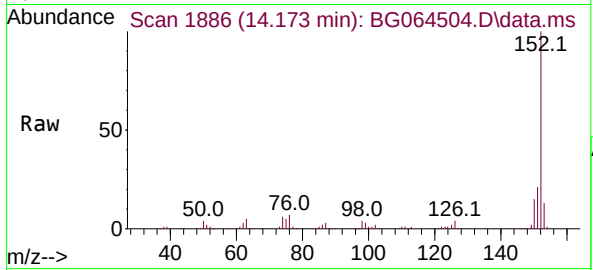
138 86.4 73.5 110.3



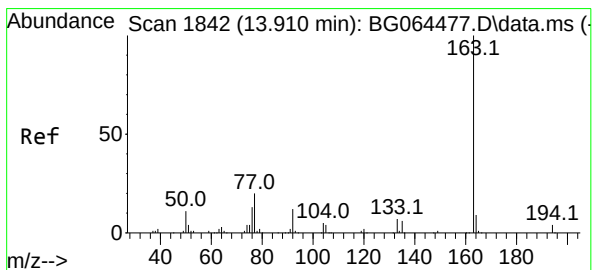
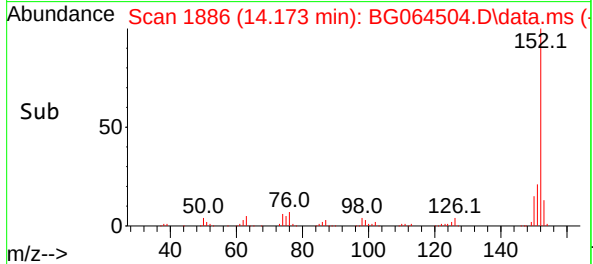
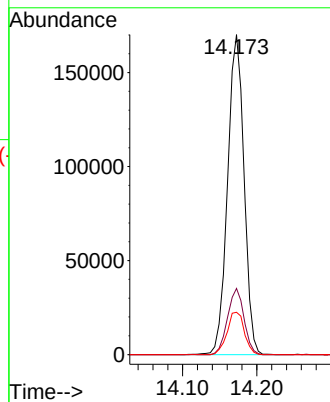


#49
Acenaphthylene
Concen: 60.599 ng
RT: 14.173 min Scan# 1886
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

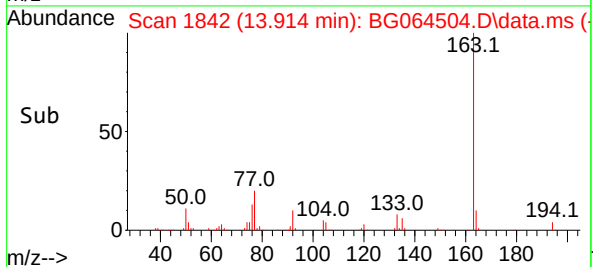
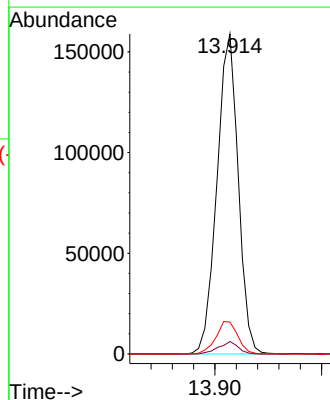
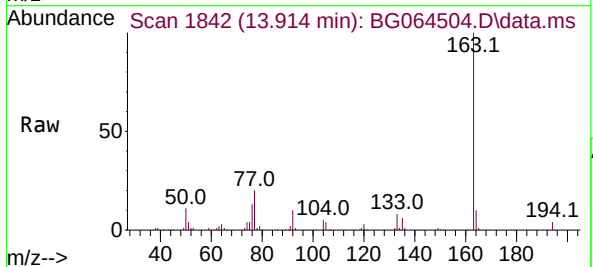


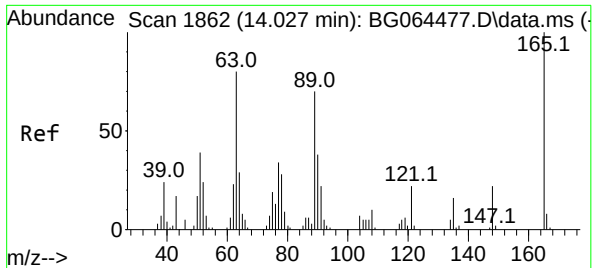
Tgt Ion:152 Resp: 261770
Ion Ratio Lower Upper
152 100
151 20.7 15.8 23.6
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 51.948 ng
RT: 13.914 min Scan# 1842
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:163 Resp: 220475
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 10.0 7.4 11.0

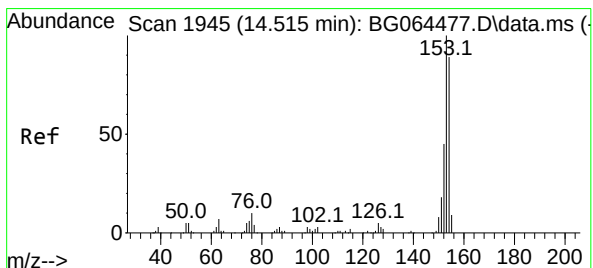
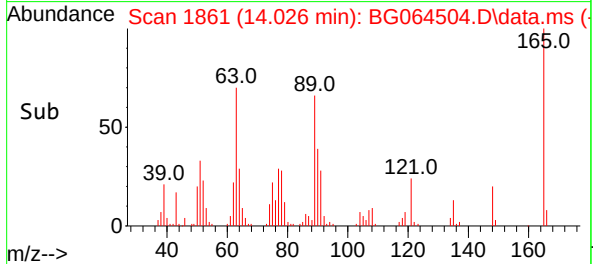
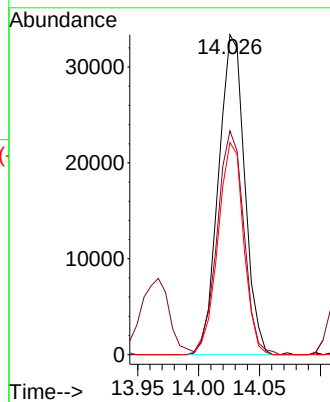
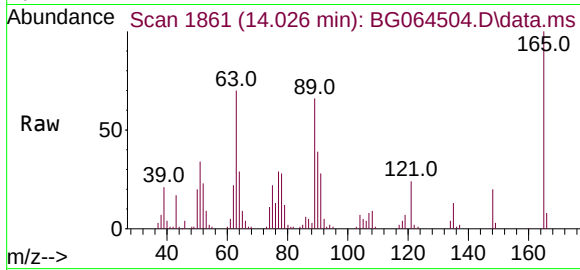




#51
2,6-Dinitrotoluene
Concen: 56.125 ng
RT: 14.026 min Scan# 1861
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

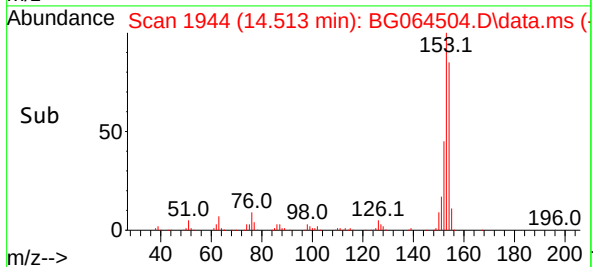
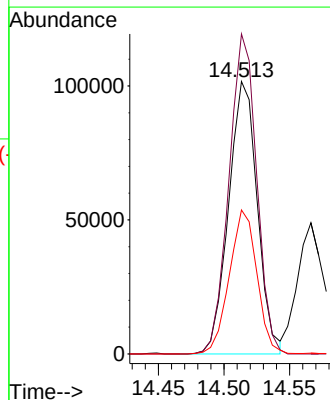
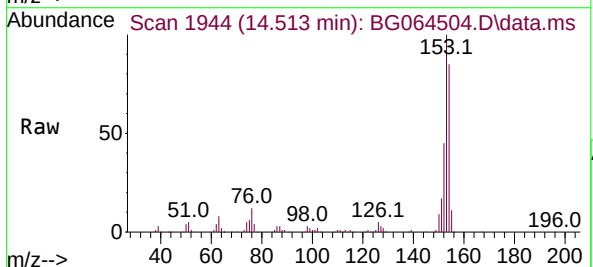
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

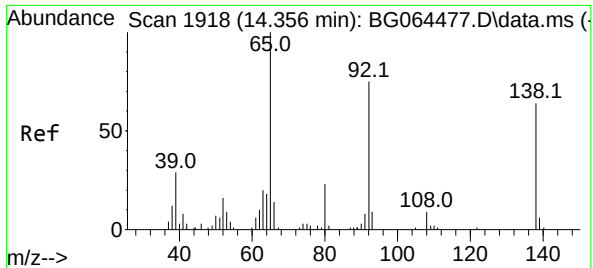
Tgt Ion:165 Resp: 49621
Ion Ratio Lower Upper
165 100
63 69.9 63.9 95.9
89 66.3 56.1 84.1



#52
Acenaphthene
Concen: 51.581 ng
RT: 14.513 min Scan# 1944
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:154 Resp: 154801
Ion Ratio Lower Upper
154 100
153 117.5 90.2 135.4
152 52.8 40.2 60.4

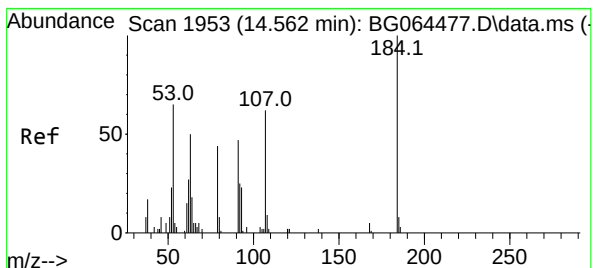
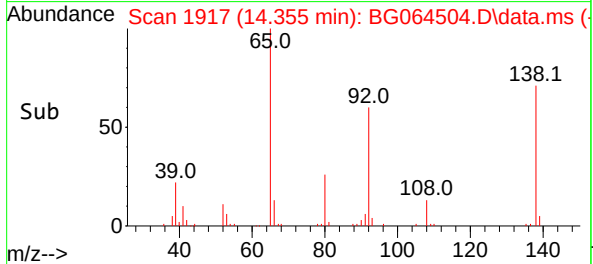
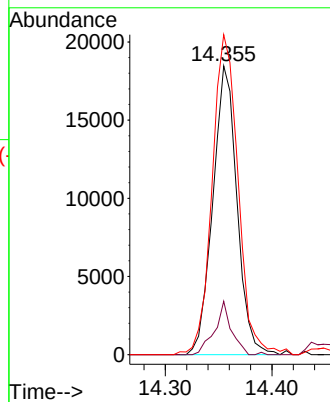
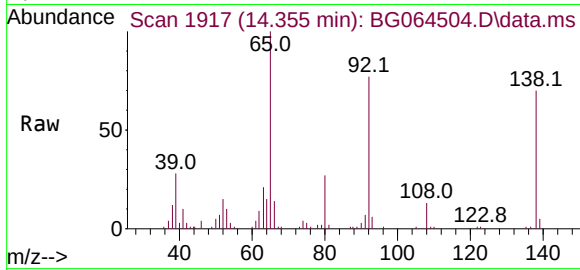




#53
3-Nitroaniline
Concen: 35.752 ng
RT: 14.355 min Scan# 1918
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

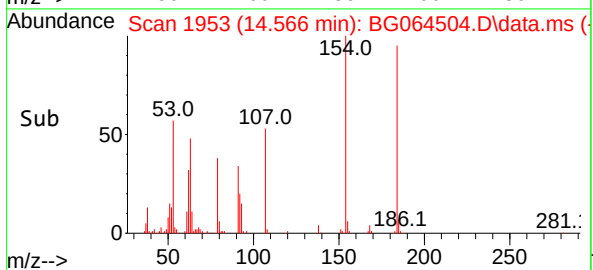
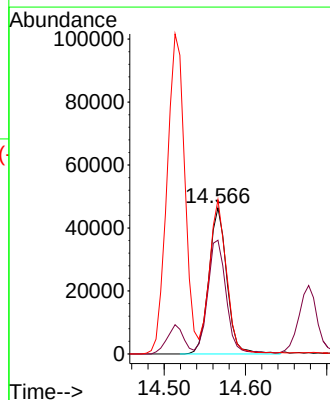
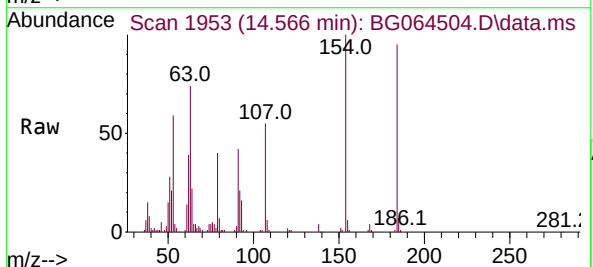
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

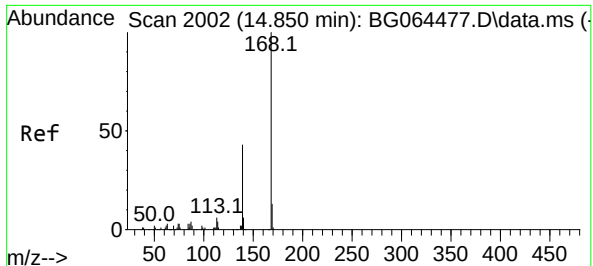
Tgt Ion:138 Resp: 29151
Ion Ratio Lower Upper
138 100
108 18.5 10.6 15.8#
92 110.8 93.2 139.8



#54
2,4-Dinitrophenol
Concen: 111.146 ng
RT: 14.566 min Scan# 1953
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:184 Resp: 71254
Ion Ratio Lower Upper
184 100
63 77.8 69.0 103.4
154 105.5 95.6 143.4





#55

Dibenzenofuran

Concen: 53.444 ng

RT: 14.848 min Scan# 2002

Delta R.T. 0.001 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

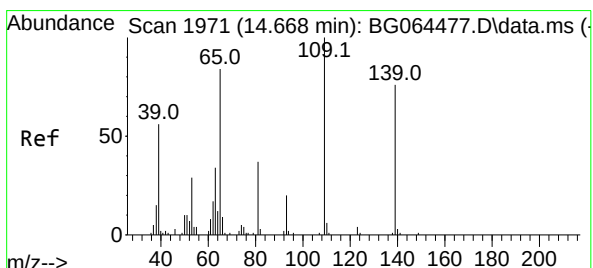
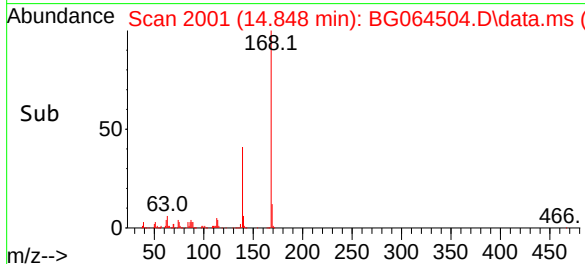
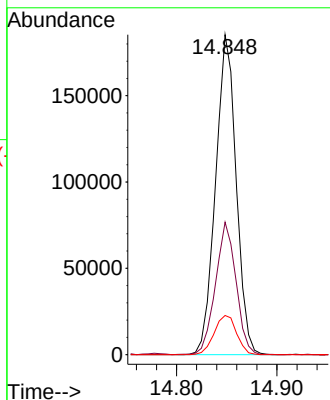
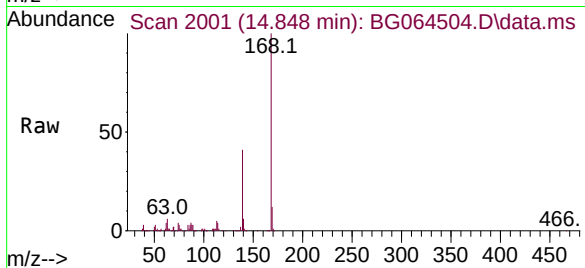
Tgt Ion:168 Resp: 264830

Ion Ratio Lower Upper

168 100

139 41.4 34.0 51.0

169 12.2 10.2 15.2



#56

4-Nitrophenol

Concen: 112.361 ng

RT: 14.678 min Scan# 1972

Delta R.T. 0.012 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

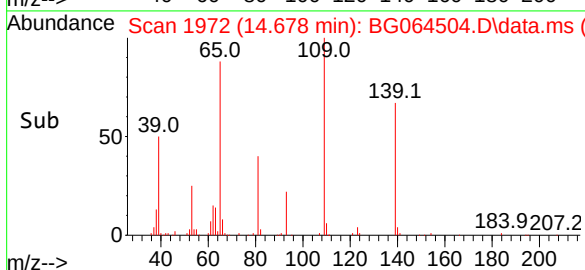
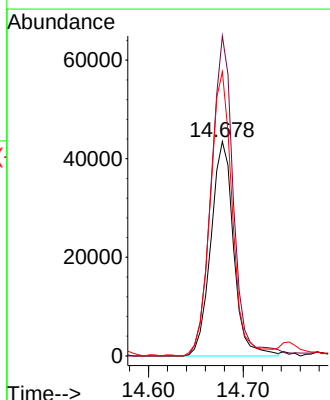
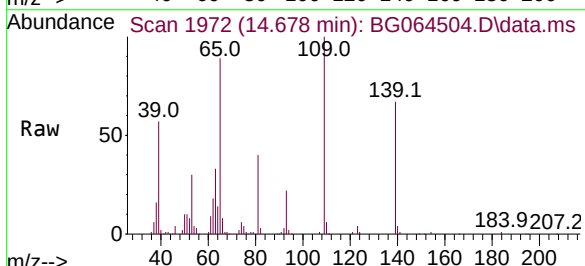
Tgt Ion:139 Resp: 72131

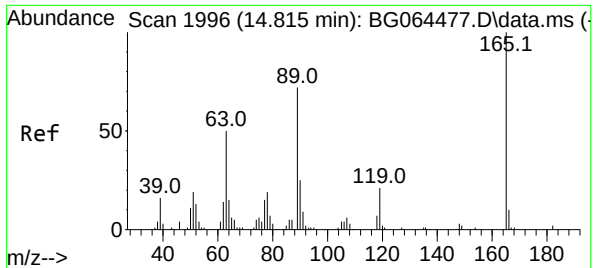
Ion Ratio Lower Upper

139 100

109 149.4 111.8 151.8

65 132.6 91.1 131.1#

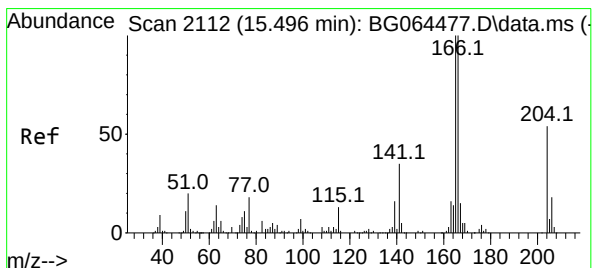
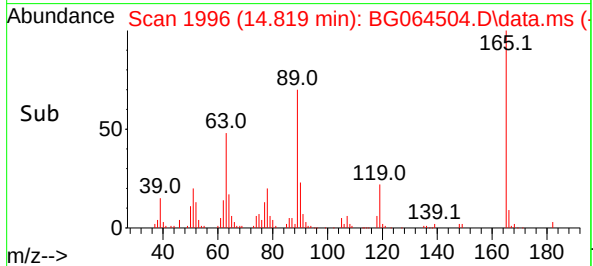
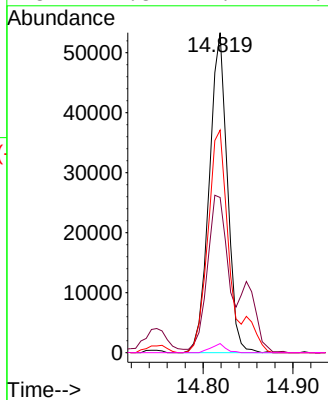
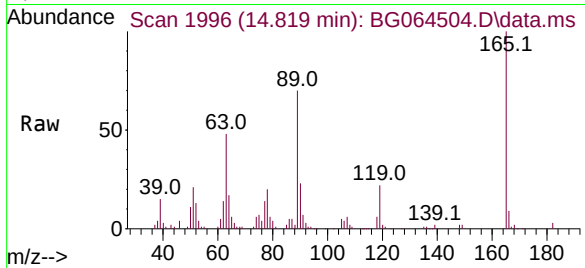




#57
2,4-Dinitrotoluene
Concen: 55.288 ng
RT: 14.819 min Scan# 1996
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

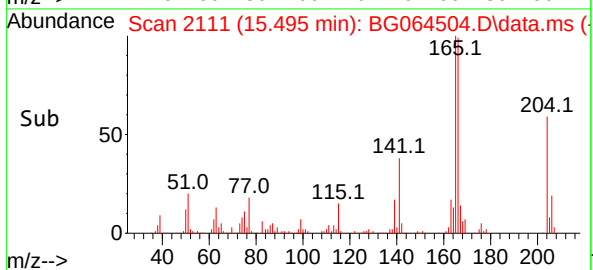
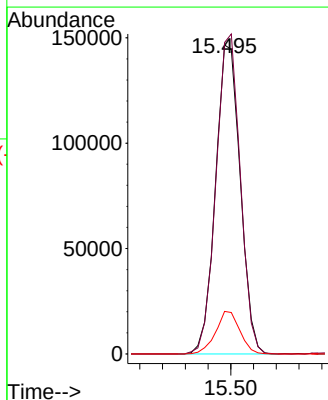
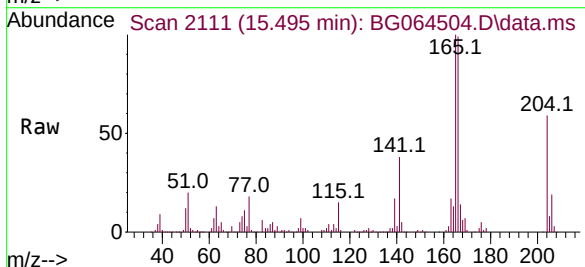
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

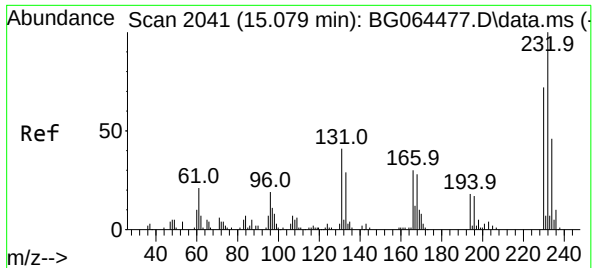
Tgt Ion:165 Resp: 74724
Ion Ratio Lower Upper
165 100
63 48.5 40.4 60.6
89 69.5 57.3 85.9
182 2.8 1.9 2.9



#58
Fluorene
Concen: 53.798 ng
RT: 15.495 min Scan# 2111
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:166 Resp: 221624
Ion Ratio Lower Upper
166 100
165 100.8 79.8 119.6
167 13.8 11.7 17.5

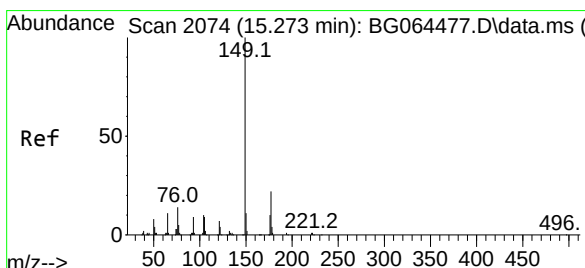
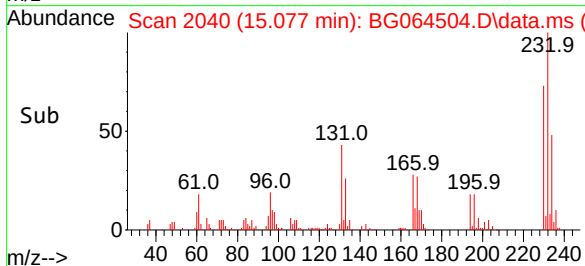
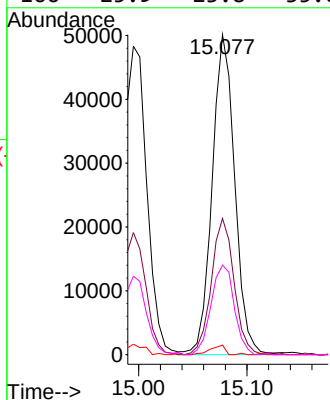
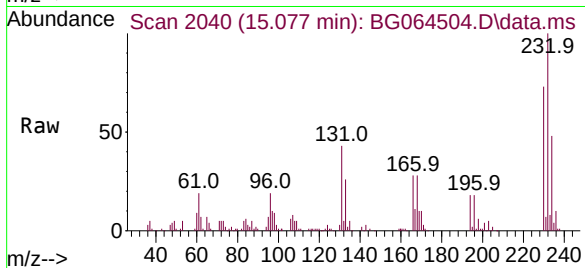




#59
2,3,4,6-Tetrachlorophenol
Concen: 57.039 ng m
RT: 15.077 min Scan# 2041
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

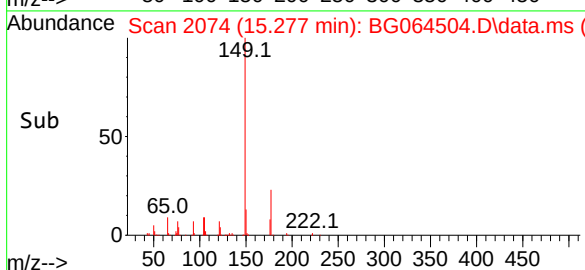
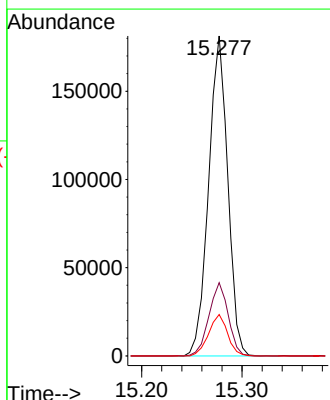
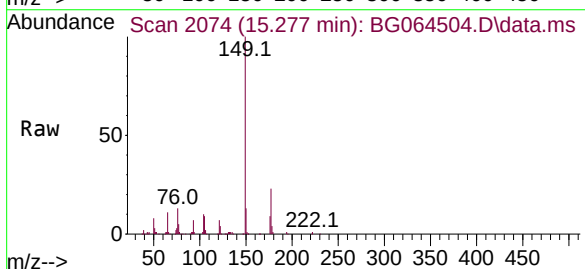
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

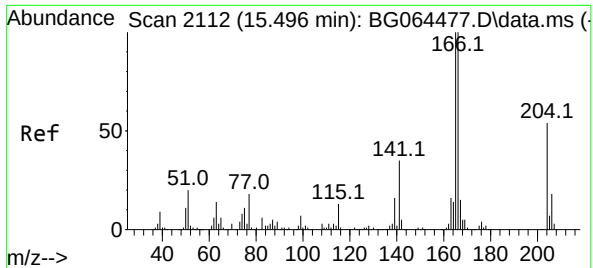
Tgt Ion:232 Resp: 72690
Ion Ratio Lower Upper
232 100
131 39.3 35.0 52.4
130 2.9 2.0 3.0
166 25.9 23.8 35.6



#60
Diethylphthalate
Concen: 52.688 ng
RT: 15.277 min Scan# 2074
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:149 Resp: 239887
Ion Ratio Lower Upper
149 100
177 22.9 17.4 26.0
150 12.9 9.1 13.7

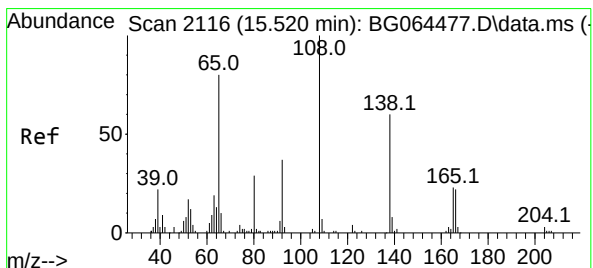
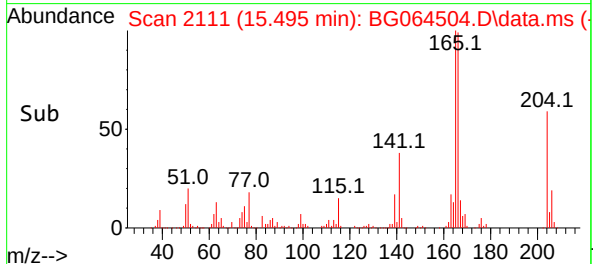
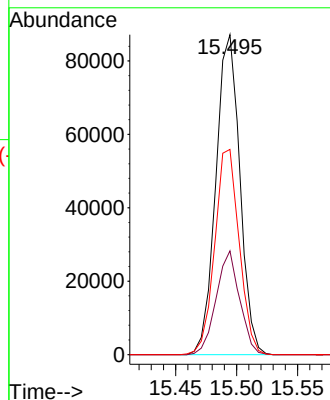
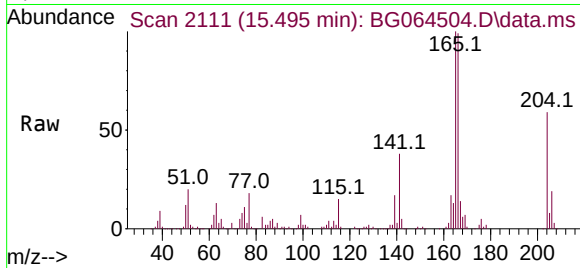




#61
4-Chlorophenyl-phenylether
Concen: 53.056 ng
RT: 15.495 min Scan# 2111
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

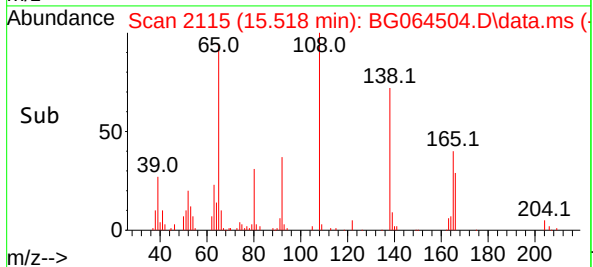
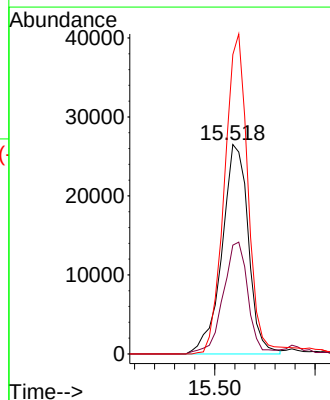
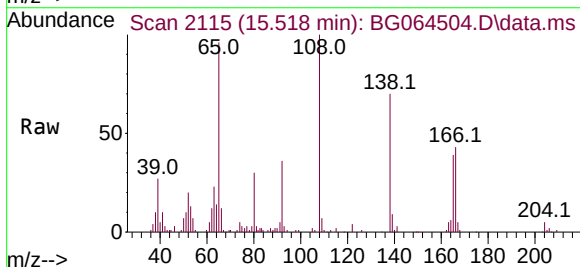
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

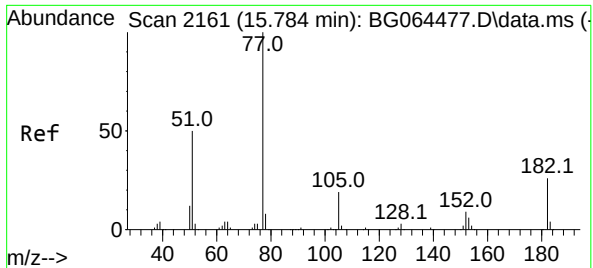
Tgt Ion:204 Resp: 119327
Ion Ratio Lower Upper
204 100
206 32.4 27.1 40.7
141 64.1 51.5 77.3



#62
4-Nitroaniline
Concen: 56.864 ng
RT: 15.518 min Scan# 2115
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:138 Resp: 48325
Ion Ratio Lower Upper
138 100
92 51.9 42.3 82.3
108 142.9 147.7 187.7#

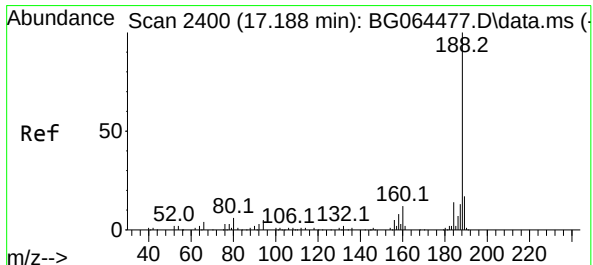
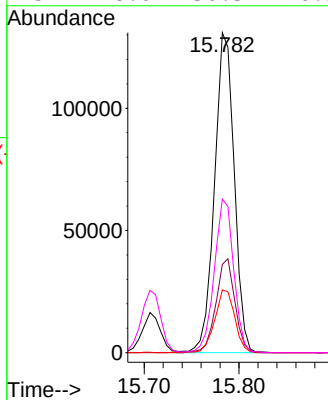
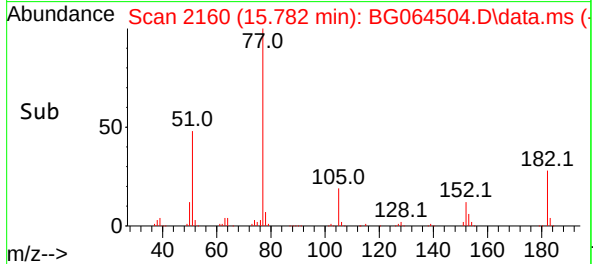
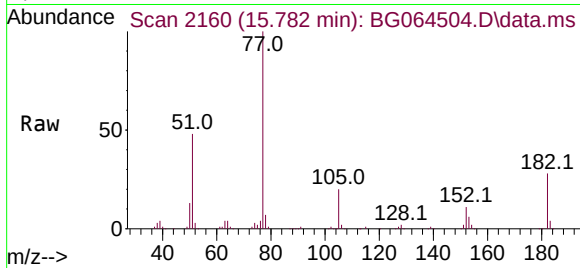




#63
Azobenzene
Concen: 53.509 ng
RT: 15.782 min Scan# 2161
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

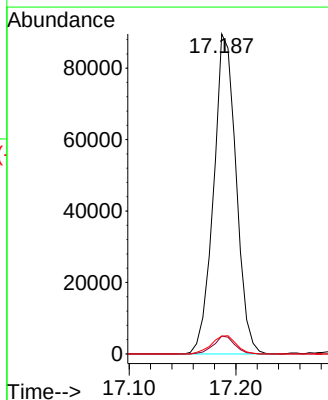
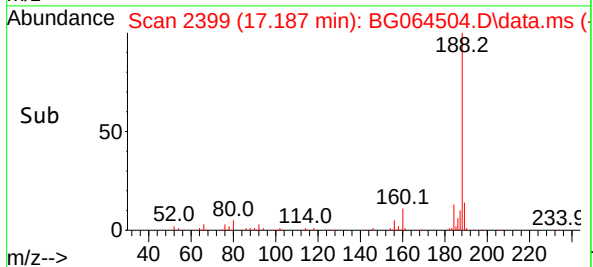
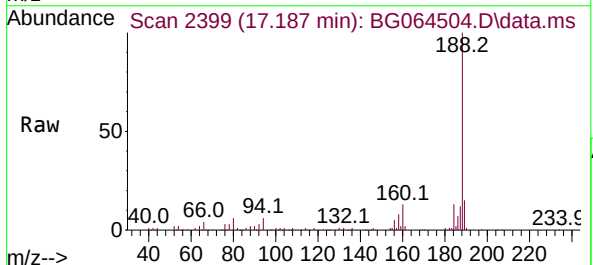
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

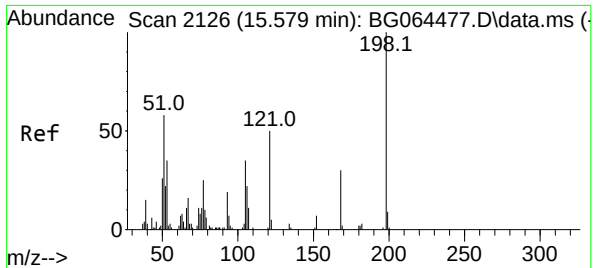
Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.6	6.3	46.3
105	19.6	0.0	38.7
51	48.0	30.3	70.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.187 min Scan# 2399
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	3.7	5.5#
80	5.5	4.5	6.7

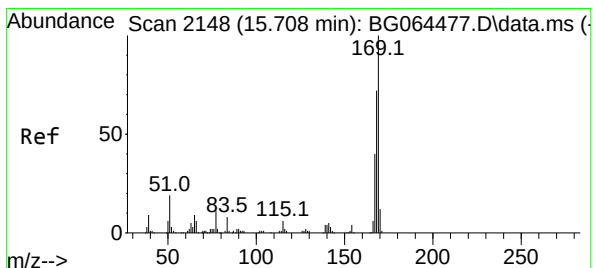
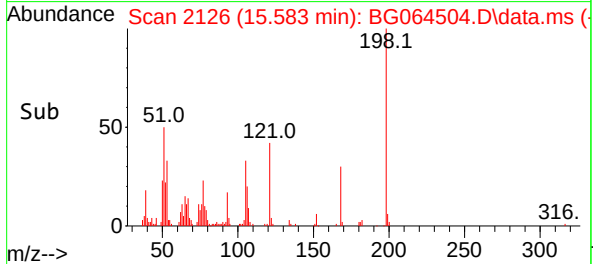
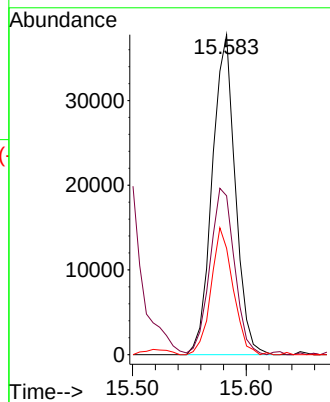
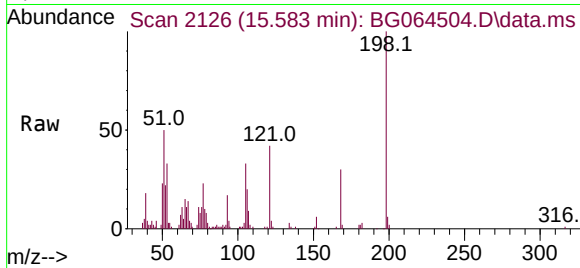




#65
4,6-Dinitro-2-methylphenol
Concen: 58.015 ng
RT: 15.583 min Scan# 2126
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

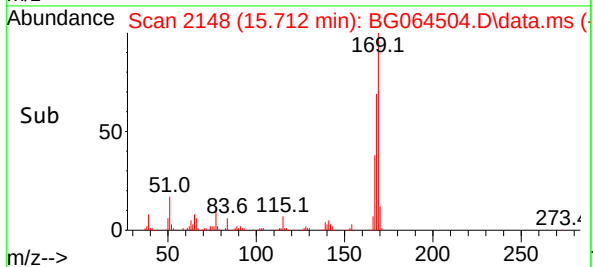
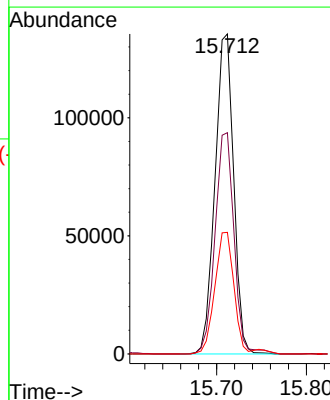
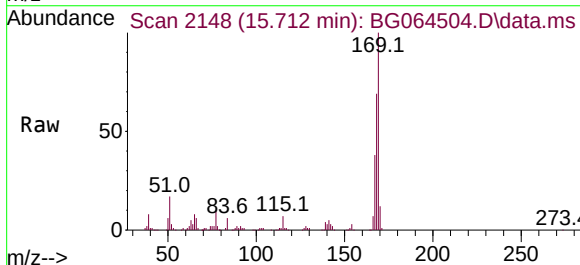
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

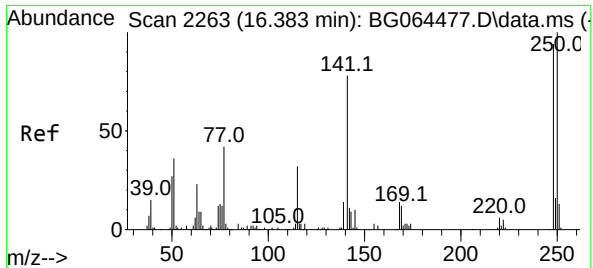
Tgt Ion	Ratio	Lower	Upper
198	100		
51	49.7	39.0	79.0
105	33.2	15.8	55.8



#66
n-Nitrosodiphenylamine
Concen: 55.558 ng
RT: 15.712 min Scan# 2148
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.1	57.8	86.6
167	38.0	31.7	47.5





#67

4-Bromophenyl-phenylether

Concen: 55.160 ng

RT: 16.388 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

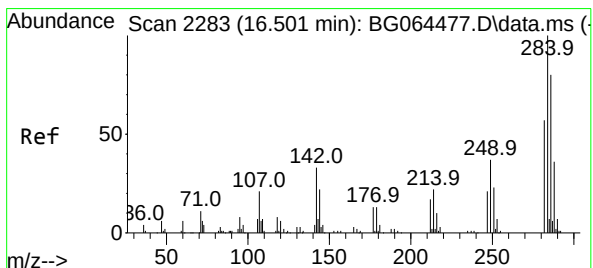
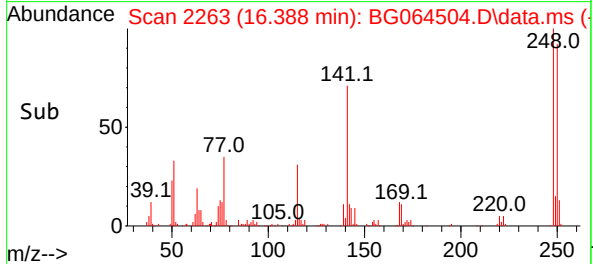
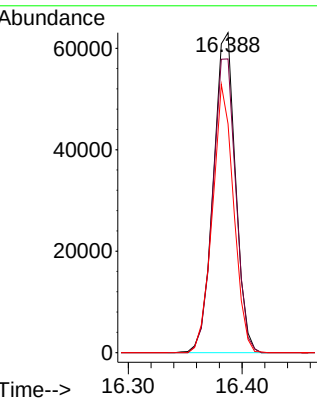
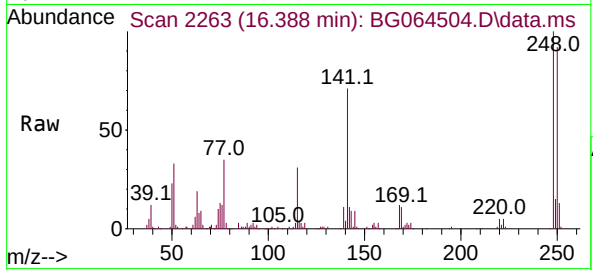
Tgt Ion:248 Resp: 85341

Ion Ratio Lower Upper

248 100

250 91.8 85.3 127.9

141 71.5 66.2 99.2



#68

Hexachlorobenzene

Concen: 55.419 ng

RT: 16.499 min Scan# 2282

Delta R.T. 0.001 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

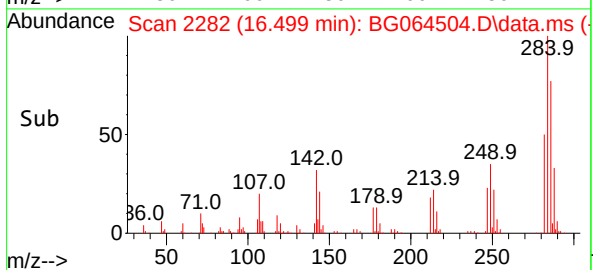
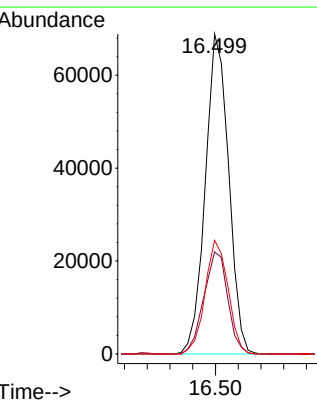
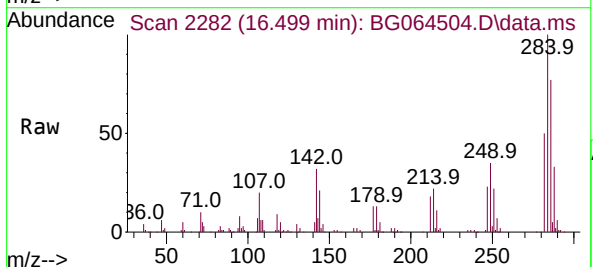
Tgt Ion:284 Resp: 98113

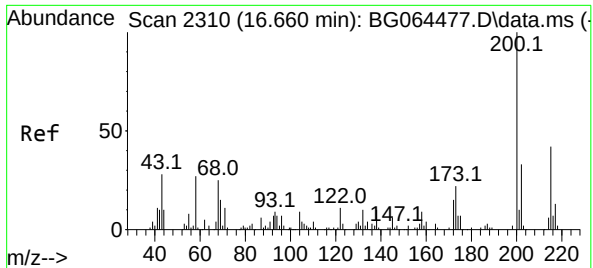
Ion Ratio Lower Upper

284 100

142 31.9 26.2 39.2

249 35.5 29.4 44.0





#69

Atrazine

Concen: 45.106 ng

RT: 16.658 min Scan# 2310

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

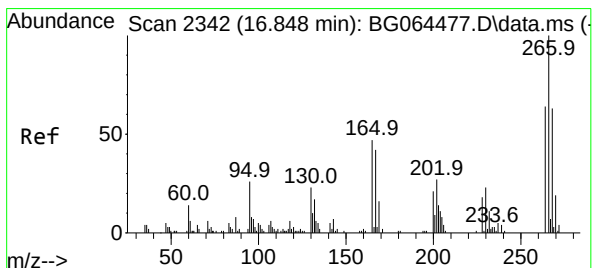
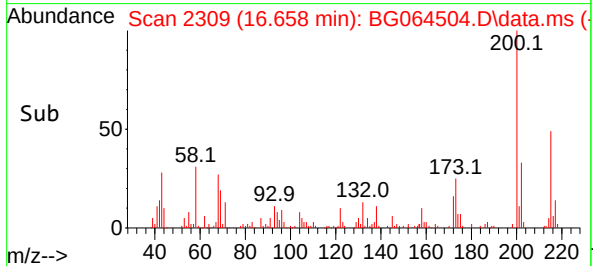
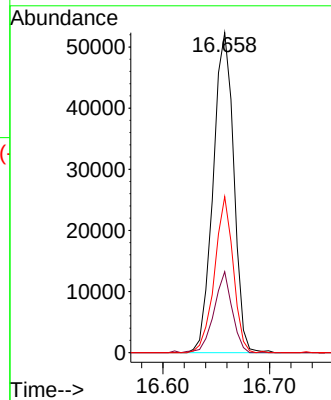
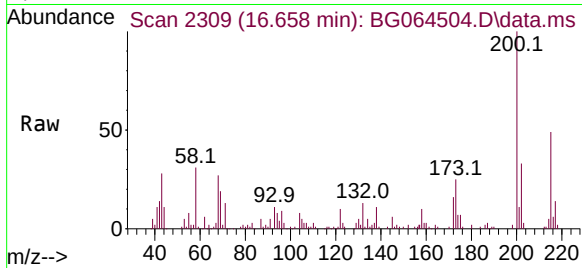
Tgt Ion:200 Resp: 70456

Ion Ratio Lower Upper

200 100

173 25.3 2.5 42.5

215 48.7 21.5 61.5



#70

Pentachlorophenol

Concen: 132.140 ng

RT: 16.846 min Scan# 2341

Delta R.T. 0.001 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

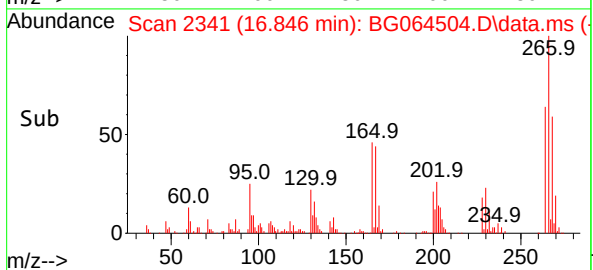
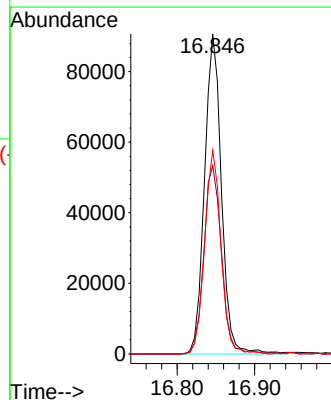
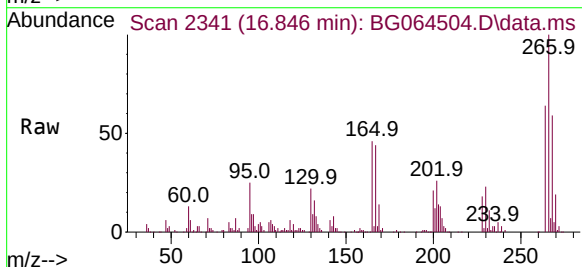
Tgt Ion:266 Resp: 136781

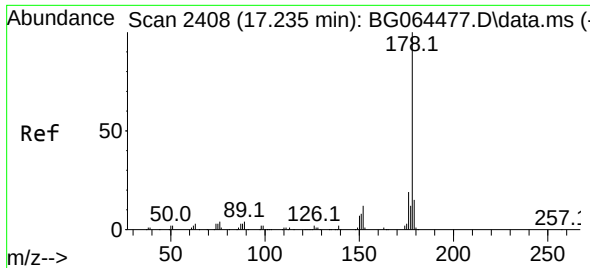
Ion Ratio Lower Upper

266 100

268 58.8 50.6 75.8

264 63.6 51.2 76.8

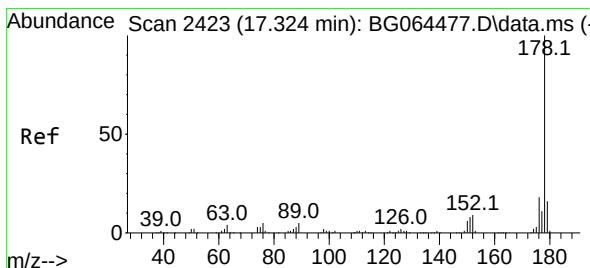
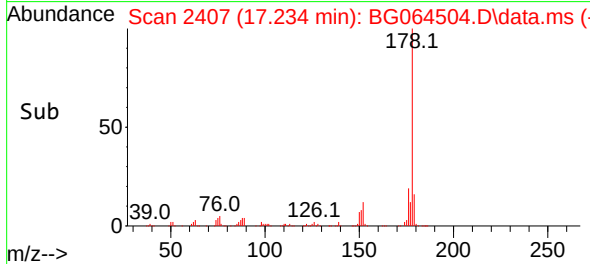
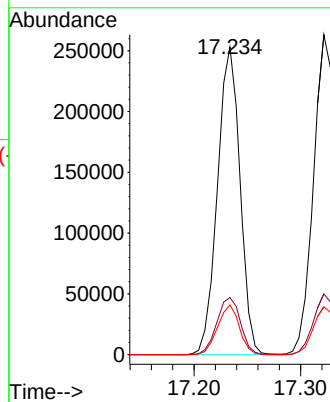
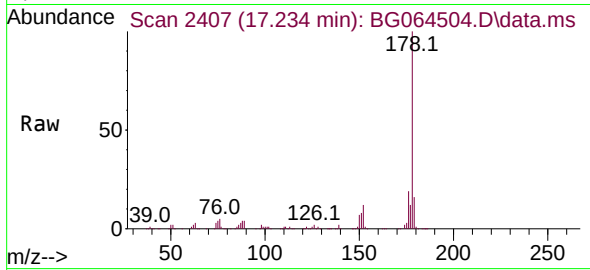




#71
Phenanthrene
Concen: 54.165 ng
RT: 17.234 min Scan# 2408
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

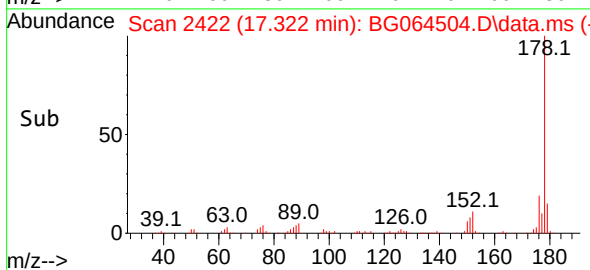
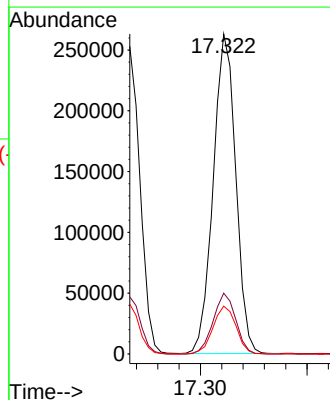
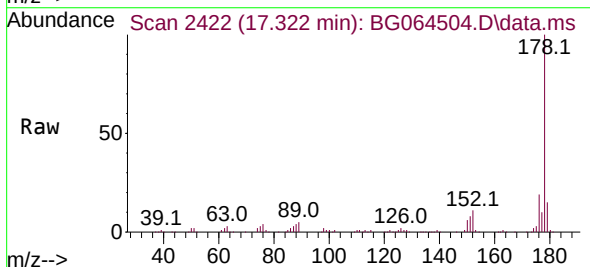
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

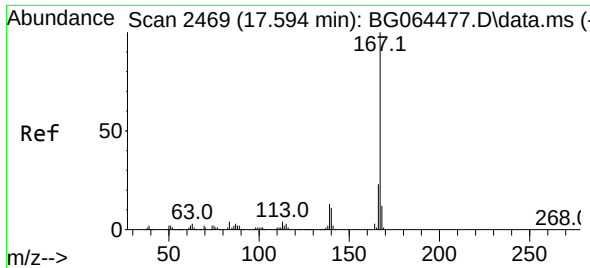
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	16.2	11.8	17.6



#72
Anthracene
Concen: 56.026 ng
RT: 17.322 min Scan# 2422
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	21.8
179	14.9	12.5	18.7

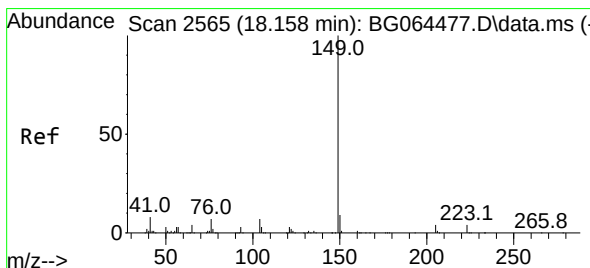
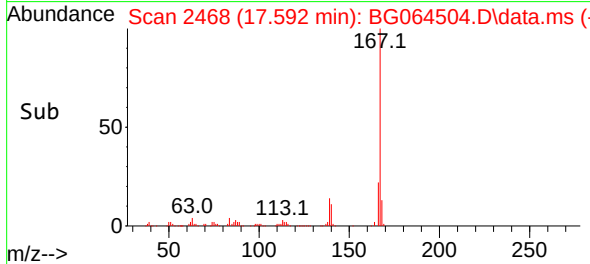
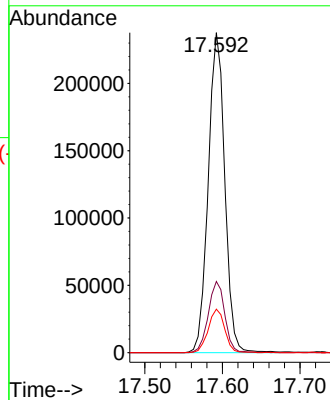
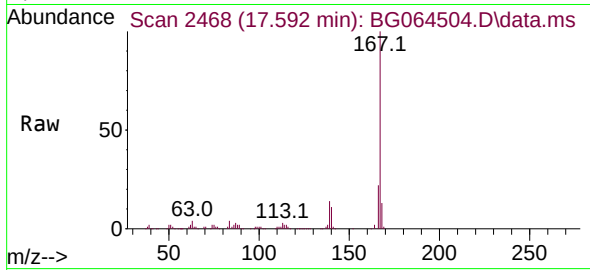




#73
 Carbazole
 Concen: 59.017 ng
 RT: 17.592 min Scan# 2469
 Delta R.T. 0.001 min
 Lab File: BG064504.D
 Acq: 14 Oct 2025 17:33

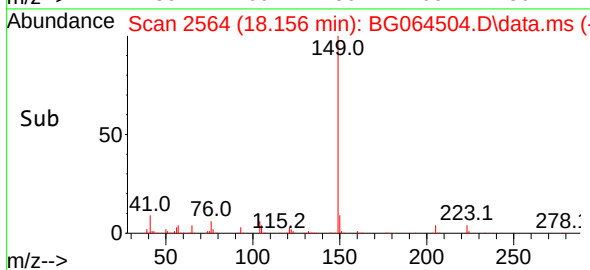
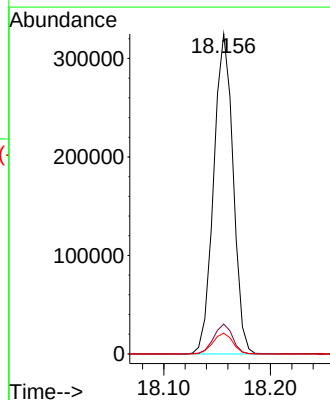
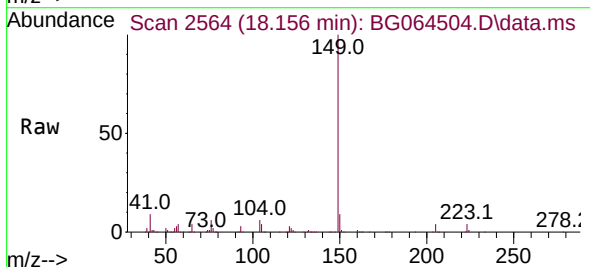
Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MSD

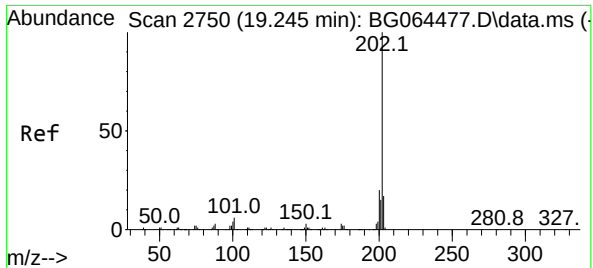
Tgt Ion:167 Resp: 351862
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.6 27.8
 139 13.6 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 56.652 ng
 RT: 18.156 min Scan# 2564
 Delta R.T. 0.001 min
 Lab File: BG064504.D
 Acq: 14 Oct 2025 17:33

Tgt Ion:149 Resp: 412319
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 6.5 5.3 7.9

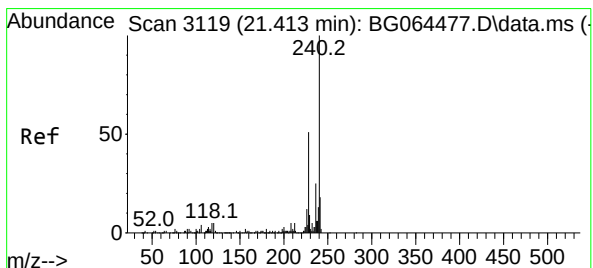
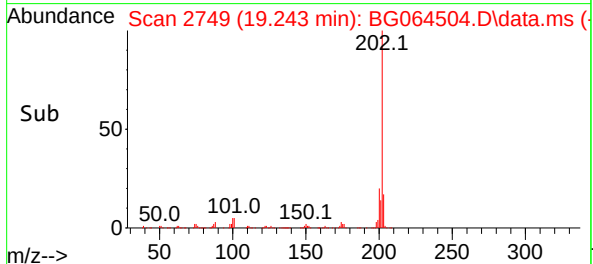
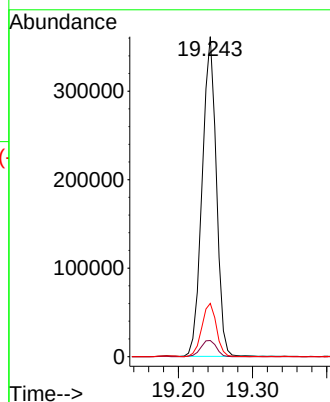
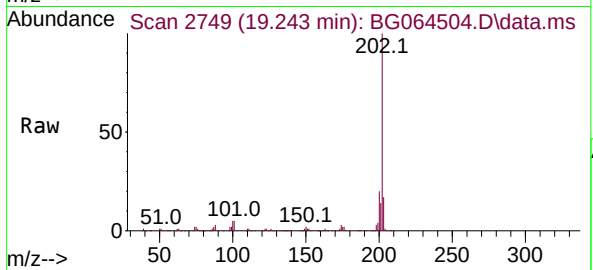




#75
Fluoranthene
Concen: 58.323 ng
RT: 19.243 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

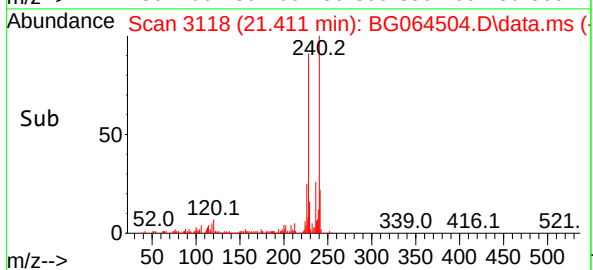
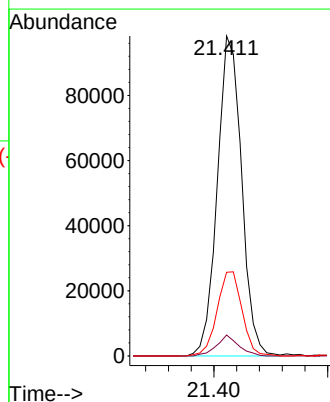
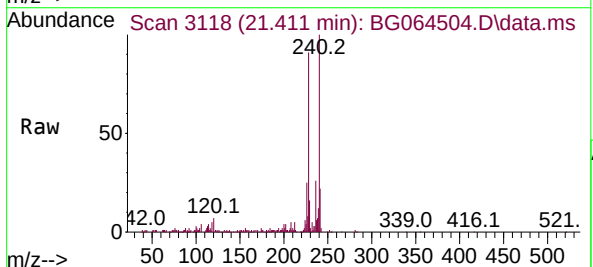
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

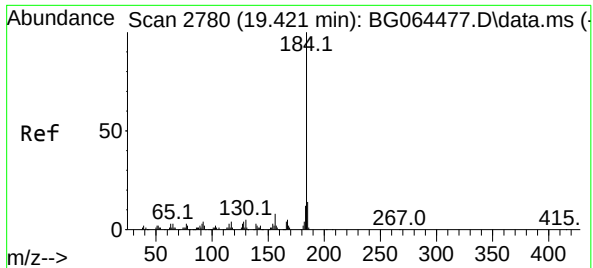
Tgt Ion:202 Resp: 479056
Ion Ratio Lower Upper
202 100
101 5.0 0.0 25.7
203 16.6 0.0 36.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.411 min Scan# 3118
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:240 Resp: 145515
Ion Ratio Lower Upper
240 100
120 6.5 4.3 6.5#
236 26.1 20.4 30.6

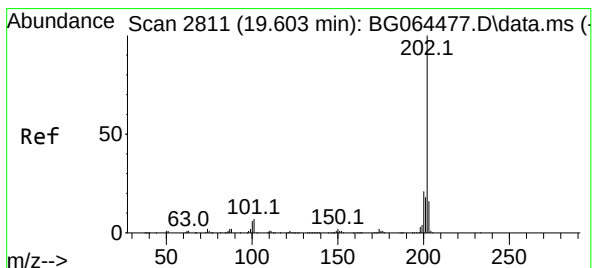
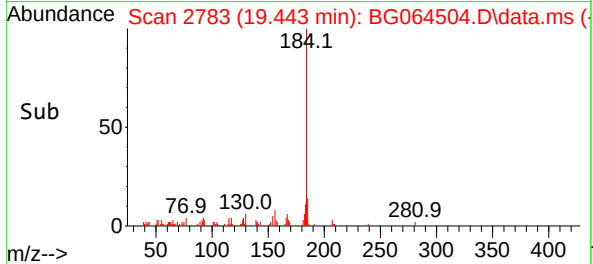
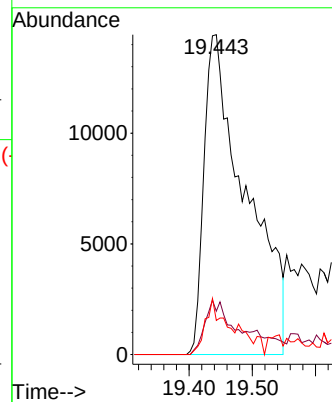
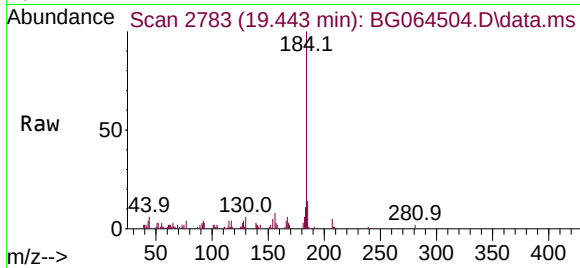




#77
Benzidine
Concen: 18.383 ng
RT: 19.443 min Scan# 21
Delta R.T. 0.018 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

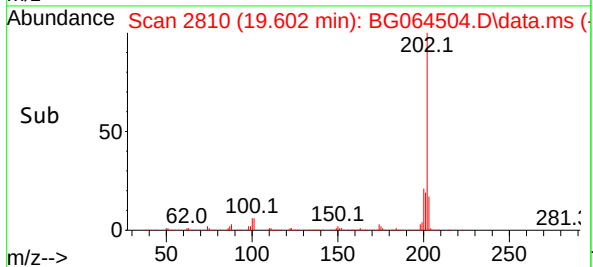
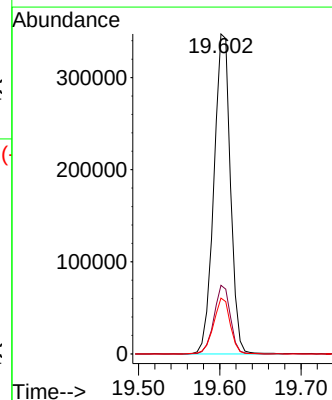
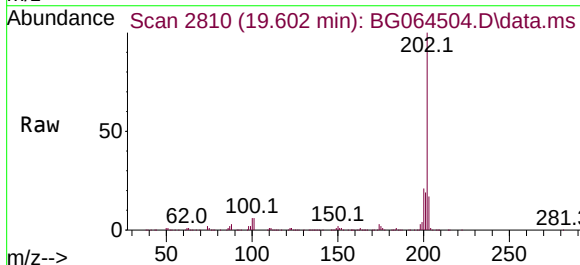
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

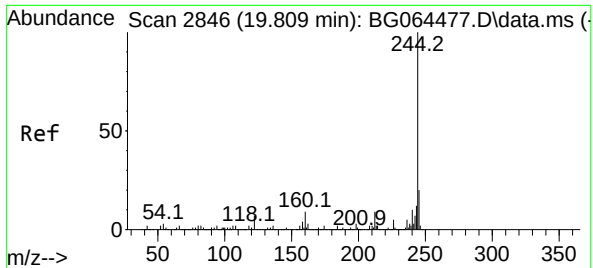
Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.6	10.9	16.3
183	10.7	9.8	14.6



#78
Pyrene
Concen: 52.114 ng
RT: 19.602 min Scan# 2810
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.4	13.0	19.4

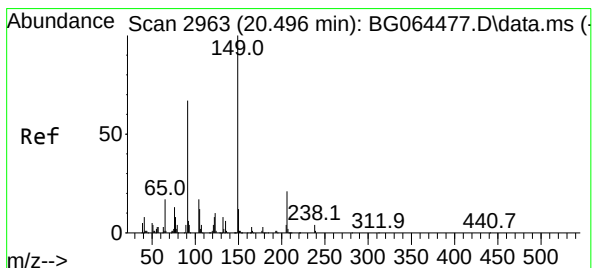
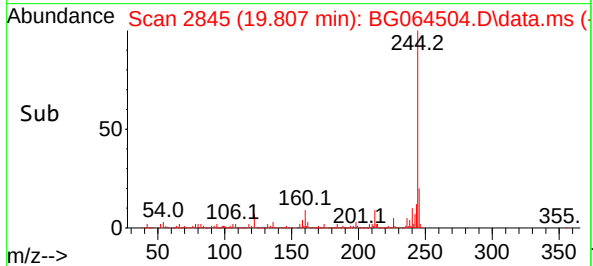
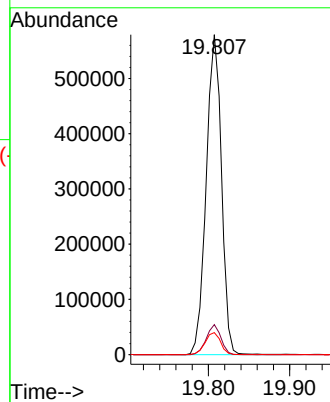
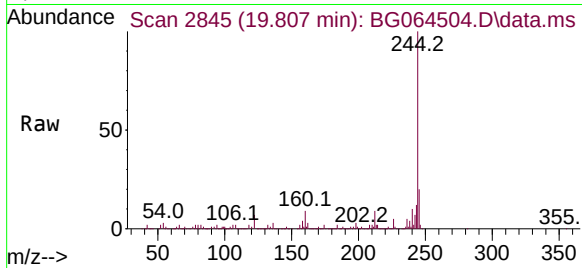




#79
 Terphenyl-d14
 Concen: 98.133 ng
 RT: 19.807 min Scan# 2846
 Delta R.T. 0.001 min
 Lab File: BG064504.D
 Acq: 14 Oct 2025 17:33

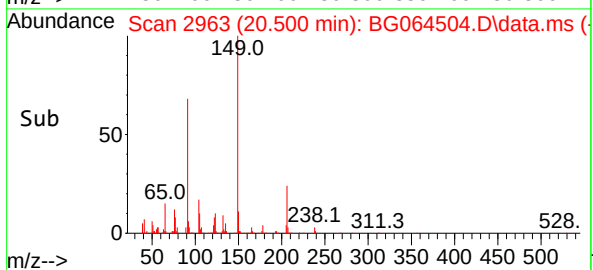
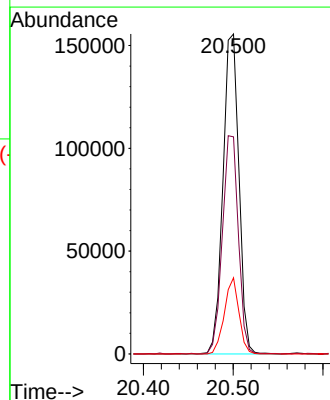
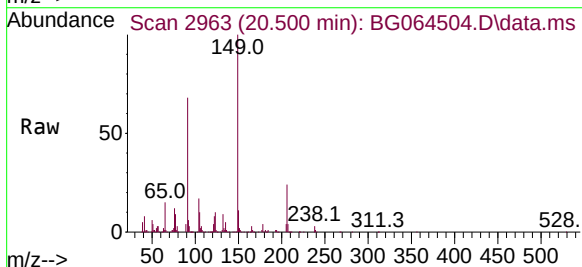
Instrument :
 BNA_G
 ClientSampleId :
 P001-DS-01MSD

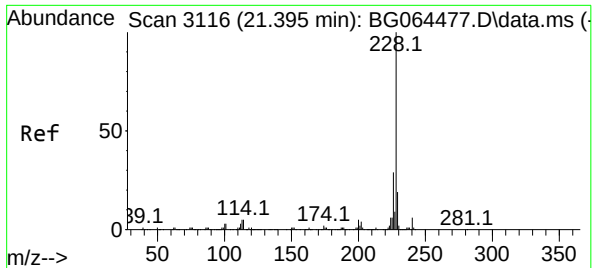
Tgt Ion:244 Resp: 754547
 Ion Ratio Lower Upper
 244 100
 212 9.4 7.0 10.6
 122 6.9 5.6 8.4



#80
 Butylbenzylphthalate
 Concen: 57.436 ng
 RT: 20.500 min Scan# 2963
 Delta R.T. 0.001 min
 Lab File: BG064504.D
 Acq: 14 Oct 2025 17:33

Tgt Ion:149 Resp: 192275
 Ion Ratio Lower Upper
 149 100
 91 67.8 53.7 80.5
 206 23.8 16.6 24.8

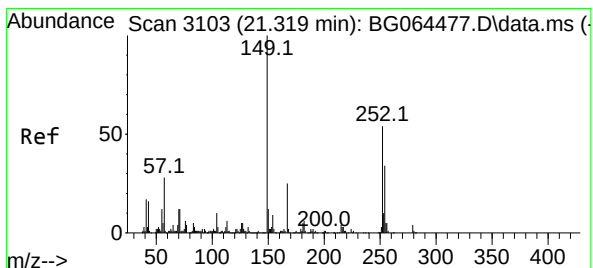
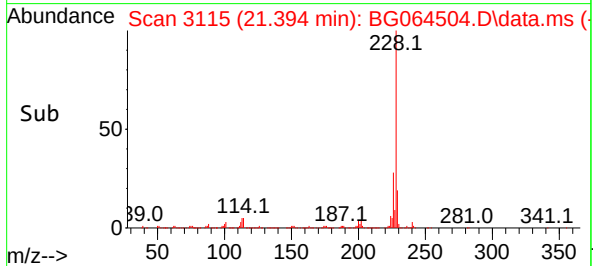
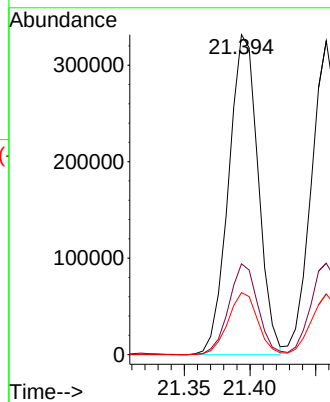
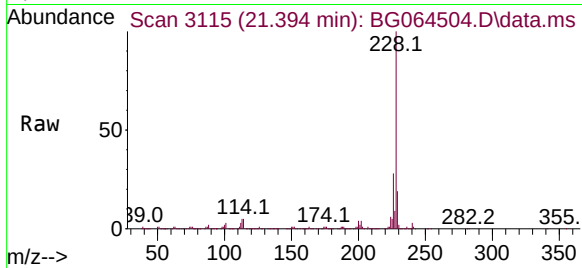




#81
Benzo(a)anthracene
Concen: 55.849 ng
RT: 21.394 min Scan# 3116
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

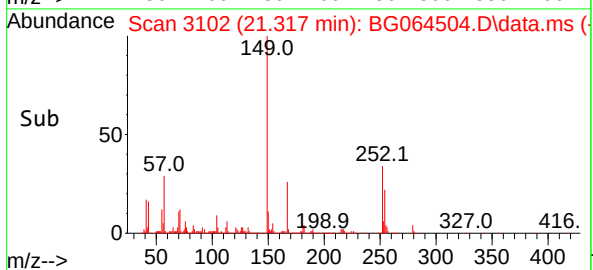
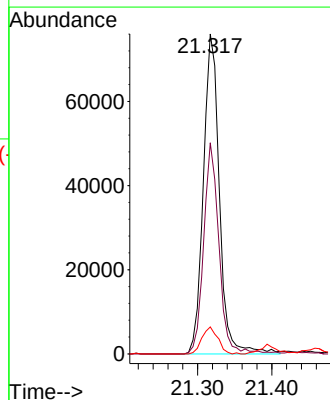
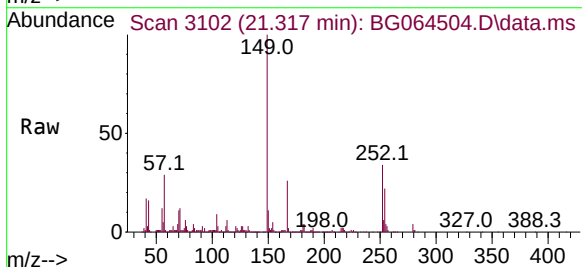
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

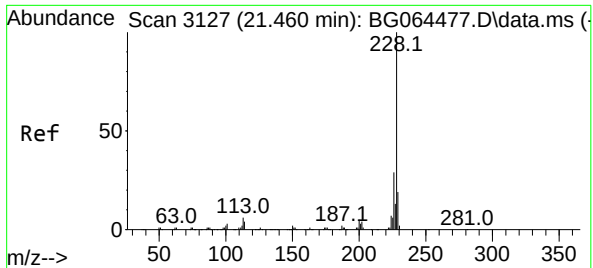
Tgt Ion:228 Resp: 518902
Ion Ratio Lower Upper
228 100
226 28.4 22.8 34.2
229 19.4 15.2 22.8



#82
3,3'-Dichlorobenzidine
Concen: 36.360 ng
RT: 21.317 min Scan# 3102
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:252 Resp: 114340
Ion Ratio Lower Upper
252 100
254 66.0 50.5 75.7
126 8.4 7.1 10.7





#83

Chrysene

Concen: 55.277 ng

RT: 21.458 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

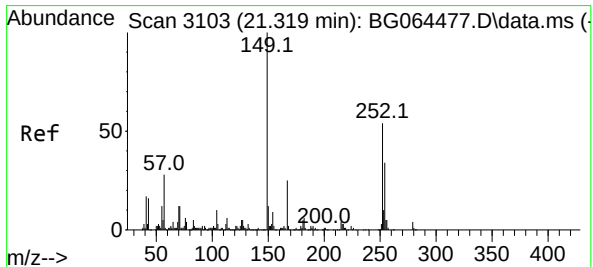
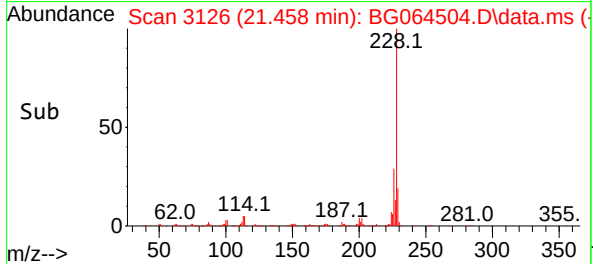
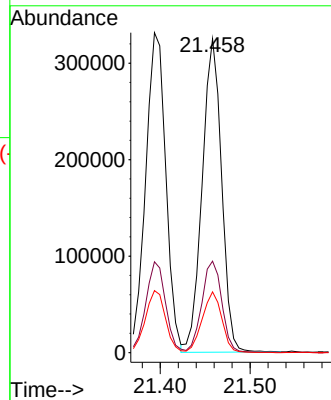
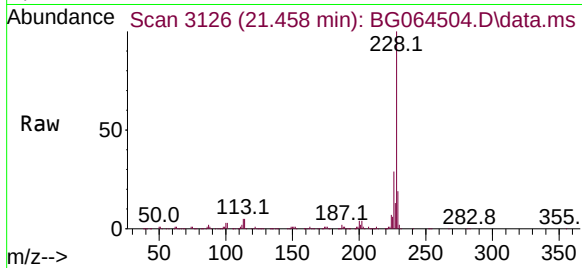
Tgt Ion:228 Resp: 487073

Ion Ratio Lower Upper

228 100

226 29.1 22.8 34.2

229 19.3 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 57.571 ng

RT: 21.317 min Scan# 3102

Delta R.T. 0.001 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

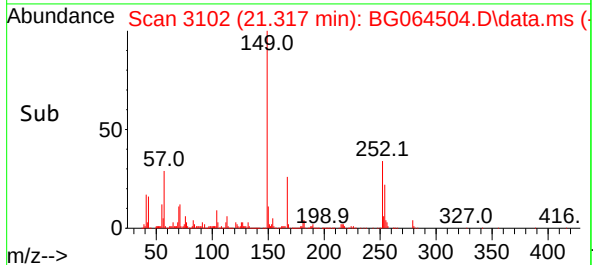
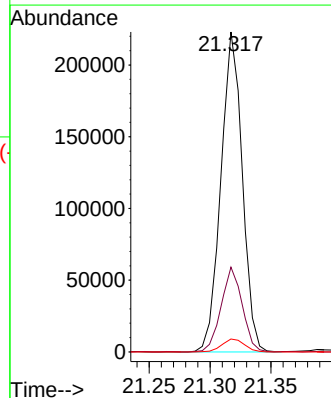
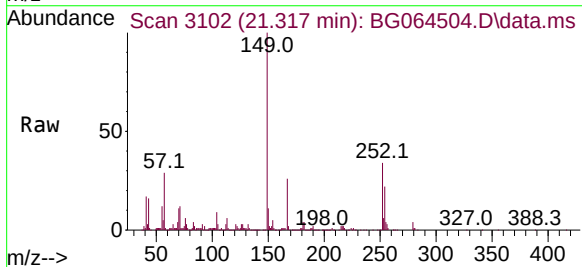
Tgt Ion:149 Resp: 271927

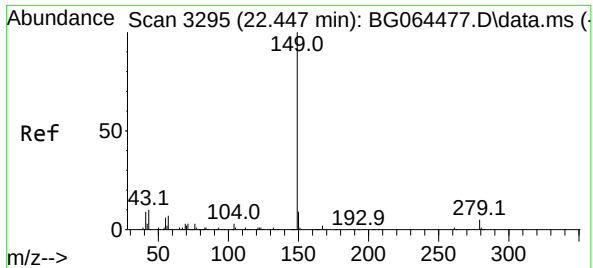
Ion Ratio Lower Upper

149 100

167 26.5 19.7 29.5

279 4.1 3.4 5.2

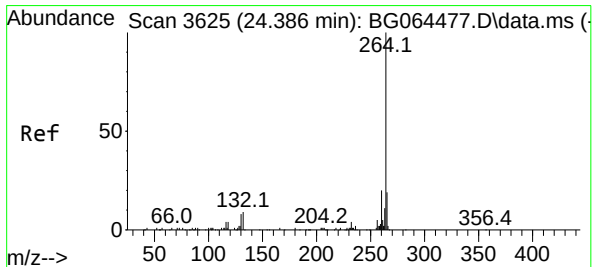
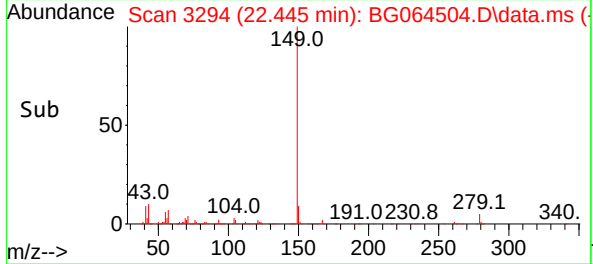
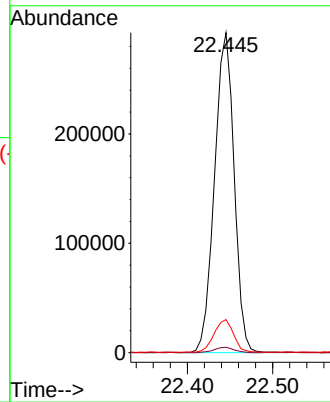
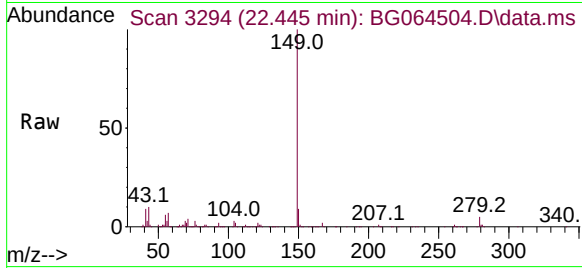




#85
Di-n-octyl phthalate
Concen: 58.833 ng
RT: 22.445 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

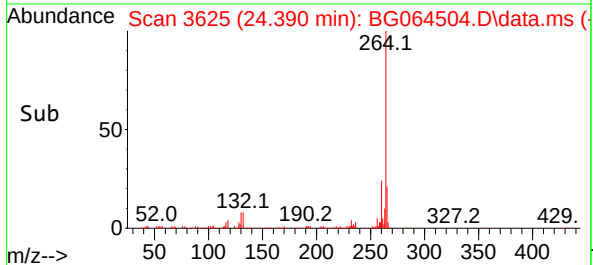
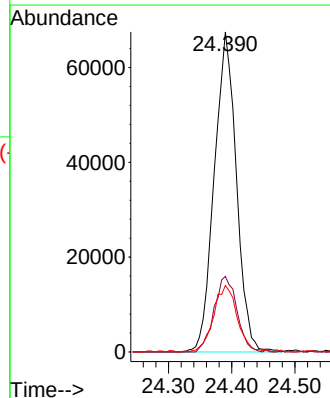
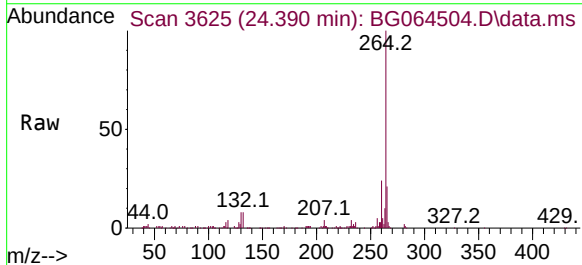
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

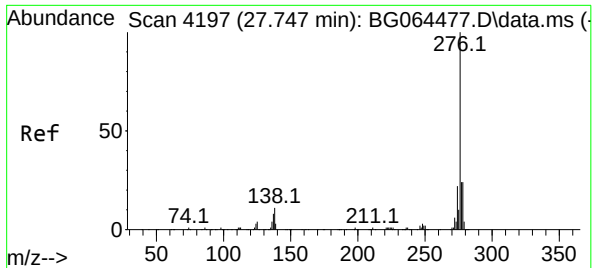
Tgt Ion:149 Resp: 467031
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 10.2 7.9 11.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.390 min Scan# 3625
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:264 Resp: 163866
Ion Ratio Lower Upper
264 100
260 23.6 16.2 24.4
265 20.7 15.0 22.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.769 ng

RT: 27.745 min Scan# 4197

Delta R.T. 0.012 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

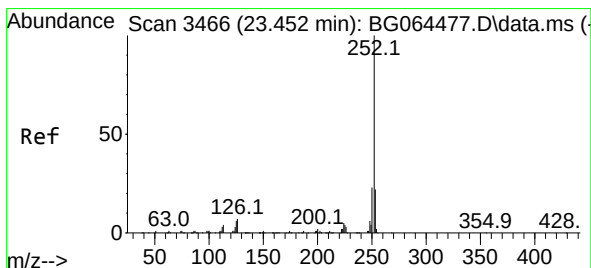
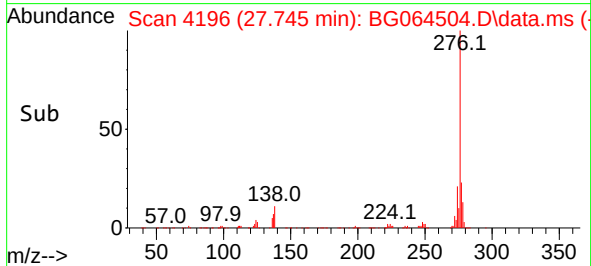
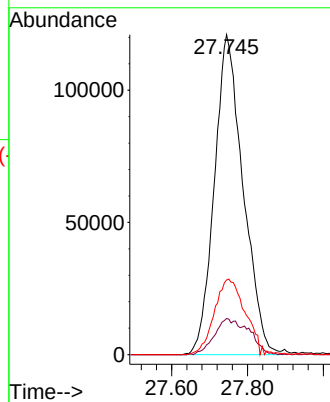
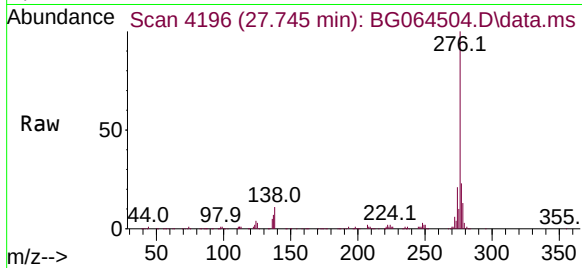
Tgt Ion:276 Resp: 636108

Ion Ratio Lower Upper

276 100

138 13.5 10.8 16.2

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 56.406 ng

RT: 23.456 min Scan# 3466

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

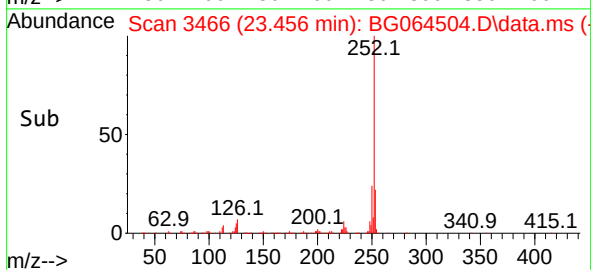
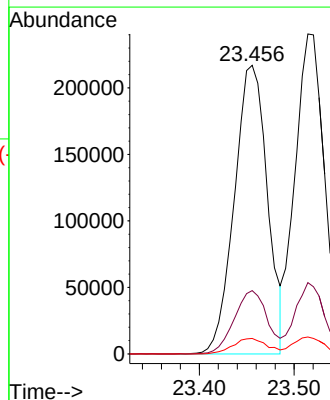
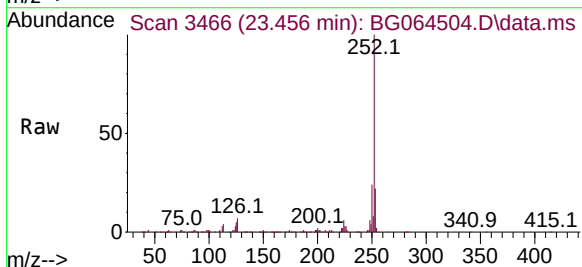
Tgt Ion:252 Resp: 525838

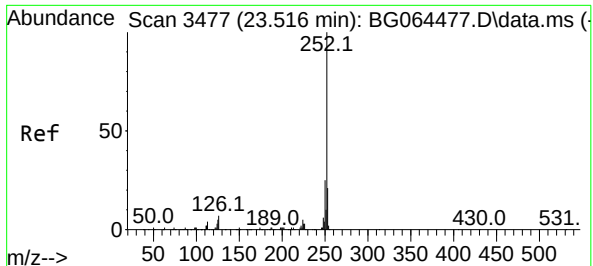
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 5.4 4.5 6.7





#89

Benzo(k)fluoranthene

Concen: 55.352 ng

RT: 23.515 min Scan# 3477

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

Instrument :

BNA_G

ClientSampleId :

P001-DS-01MSD

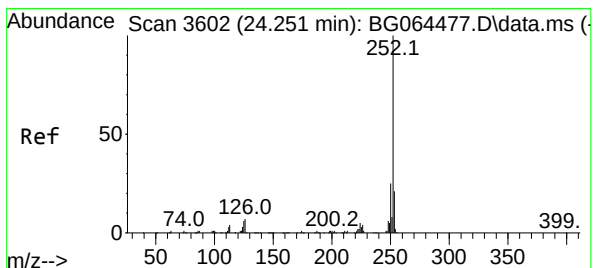
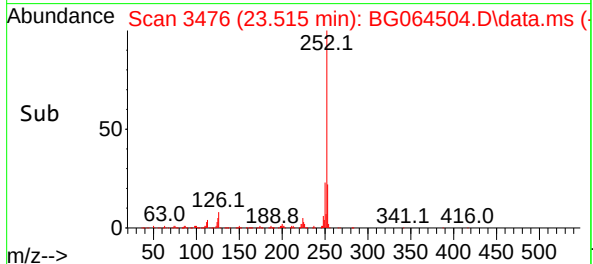
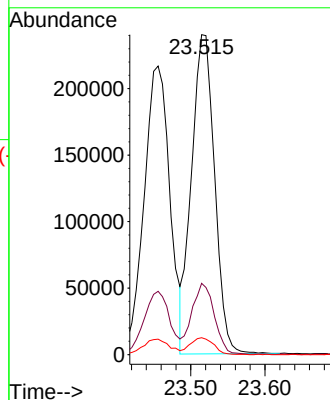
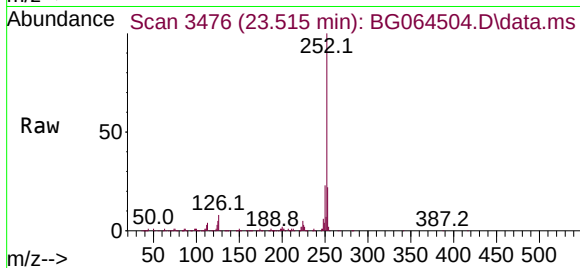
Tgt Ion:252 Resp: 519702

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 5.3 4.0 6.0



#90

Benzo(a)pyrene

Concen: 57.741 ng

RT: 24.255 min Scan# 3602

Delta R.T. 0.007 min

Lab File: BG064504.D

Acq: 14 Oct 2025 17:33

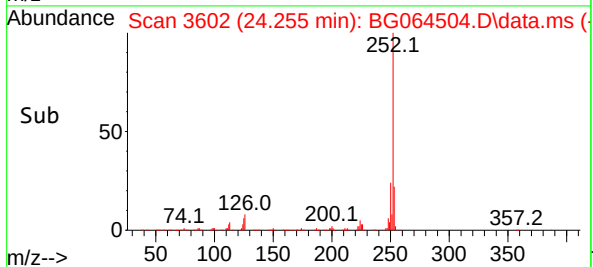
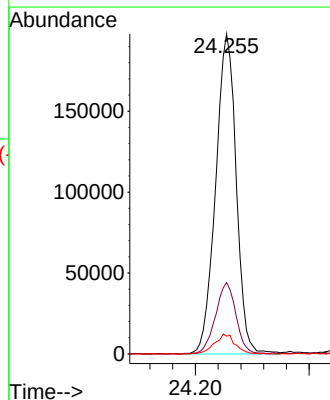
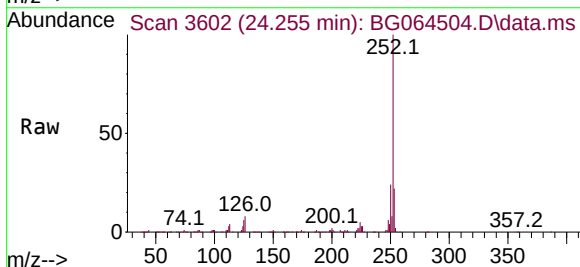
Tgt Ion:252 Resp: 496097

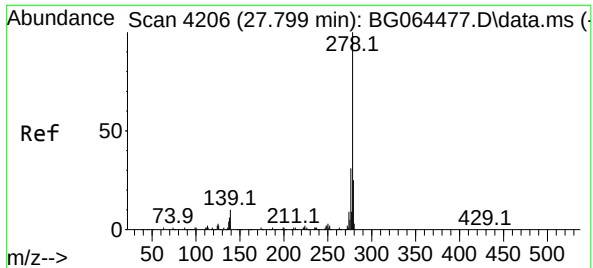
Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 5.5 4.6 6.8

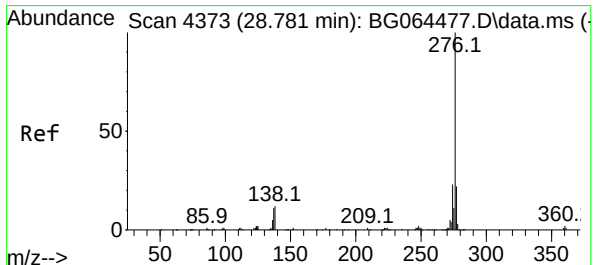
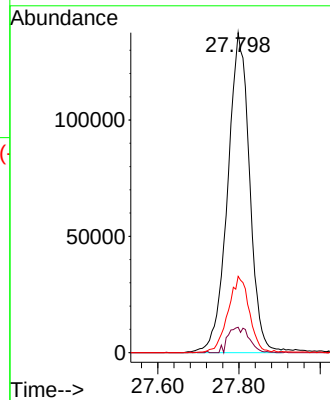
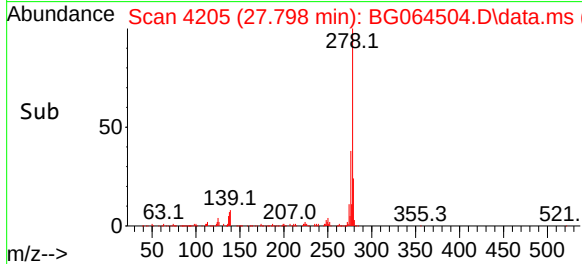
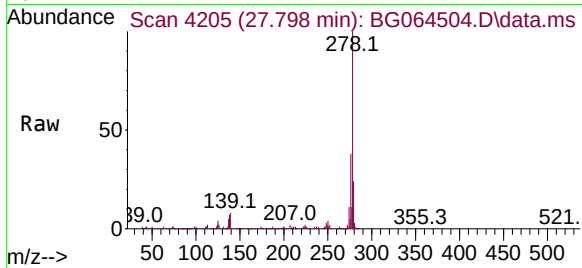




#91
Dibenzo(a,h)anthracene
Concen: 56.432 ng
RT: 27.798 min Scan# 41
Delta R.T. 0.018 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

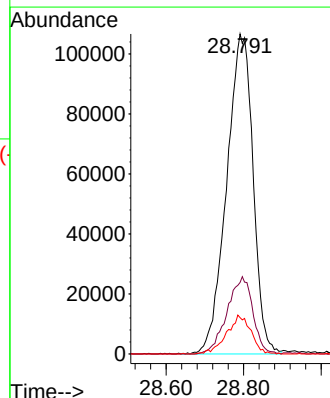
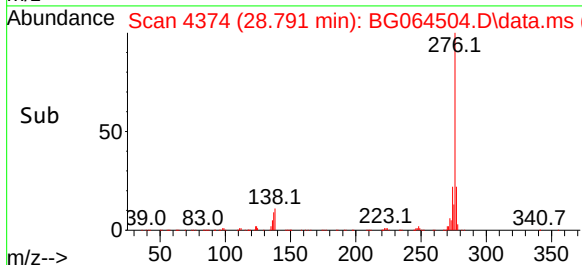
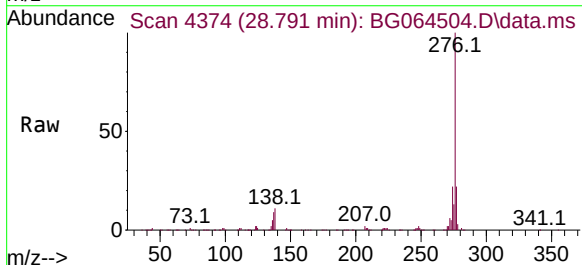
Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

Tgt Ion:278 Resp: 514746
Ion Ratio Lower Upper
278 100
139 8.0 8.2 12.2#
279 23.8 19.6 29.4



#92
Benzo(g,h,i)perylene
Concen: 56.977 ng
RT: 28.791 min Scan# 4374
Delta R.T. 0.024 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:276 Resp: 505062
Ion Ratio Lower Upper
276 100
277 22.3 17.8 26.6
138 11.3 9.4 14.0



Manual Integration Report

Sequence:	BG100225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064474.D	Anthracene	Rahul	10/3/2025 8:37:57 AM	Jagrut	10/3/2025 3:25:00 PM	Peak Integrated by Software
SSTDICC005	BG064474.D	Benzo(b)fluoranthene	Rahul	10/3/2025 8:37:57 AM	Jagrut	10/3/2025 3:25:00 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	1-Methylnaphthalene	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	Benzaldehyde	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	Benzoic acid	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICCC040	BG064477.D	Benzaldehyde	Rahul	10/3/2025 8:38:08 AM	Jagrut	10/3/2025 3:25:08 PM	Peak Integrated by Software
SSTDICCC040	BG064477.D	Benzoic acid	Rahul	10/3/2025 8:38:08 AM	Jagrut	10/3/2025 3:25:08 PM	Peak Integrated by Software
SSTDICC050	BG064478.D	Benzoic acid	Rahul	10/3/2025 8:38:10 AM	Jagrut	10/3/2025 3:25:09 PM	Peak Integrated by Software
SSTDICC060	BG064479.D	Benzoic acid	Rahul	10/3/2025 8:38:13 AM	Jagrut	10/3/2025 3:25:12 PM	Peak Integrated by Software
SSTDICC080	BG064480.D	Benzoic acid	Rahul	10/3/2025 8:38:15 AM	Jagrut	10/3/2025 3:25:14 PM	Peak Integrated by Software
SSTDICC010	BG064481.D	Benzoic acid	Rahul	10/3/2025 8:38:18 AM	Jagrut	10/3/2025 3:25:20 PM	Peak Integrated by Software
SSTDICV040	BG064482.D	Benzoic acid	Rahul	10/3/2025 8:38:21 AM	Jagrut	10/3/2025 3:25:22 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BG100225

Instrument

BNA_g

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

BG101425

Instrument

BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170080BS	BG064500.D	Caprolactam	Jagrut	10/15/2025 9:06:14 AM	mohammad	10/17/2025 12:16:26 AM	Peak Integrated by Software
Q3321-02MS	BG064503.D	Caprolactam	Jagrut	10/15/2025 4:46:32 PM	mohammad	10/17/2025 12:16:26 AM	Peak Integrated by Software
Q3321-02MSD	BG064504.D	2,3,4,6-Tetrachlorophen ol	Jagrut	10/15/2025 4:46:35 PM	mohammad	10/17/2025 12:16:26 AM	Peak Integrated by Software
Q3321-02MSD	BG064504.D	Caprolactam	Jagrut	10/15/2025 4:46:35 PM	mohammad	10/17/2025 12:16:26 AM	Peak Integrated by Software

Instrument ID: **BNA_G**

Daily Analysis Runlog For Sequence/QC Batch ID # BG100225

Review By	Rahul	Review On	10/3/2025 8:38:44 AM		
Supervise By	Jagrut	Supervise On	10/3/2025 3:25:38 PM		
SubDirectory	BG100225	HP Acquire Method	BNA_G	HP Processing Method	bg100225
STD. NAME		STD REF.#			
Tune/Reschk		SP6875			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13176,10ul/1000ul sample			
ICV/I.BLK		SP6872			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064472.D	2 Oct 2025 8:21	RC/JU	Ok
2	SSTDICC2.5	BG064473.D	2 Oct 2025 9:01	RC/JU	Ok
3	SSTDICC005	BG064474.D	2 Oct 2025 9:42	RC/JU	Ok,M
4	SSTDICC010	BG064475.D	2 Oct 2025 10:53	RC/JU	Not Ok
5	SSTDICC020	BG064476.D	2 Oct 2025 11:33	RC/JU	Ok,M
6	SSTDICCC040	BG064477.D	2 Oct 2025 12:14	RC/JU	Ok,M
7	SSTDICC050	BG064478.D	2 Oct 2025 12:55	RC/JU	Ok,M
8	SSTDICC060	BG064479.D	2 Oct 2025 13:35	RC/JU	Ok,M
9	SSTDICC080	BG064480.D	2 Oct 2025 14:16	RC/JU	Ok,M
10	SSTDICC010	BG064481.D	2 Oct 2025 15:49	RC/JU	Ok,M
11	SSTDICV040	BG064482.D	2 Oct 2025 18:09	RC/JU	Ok,M
12	PB169936BL	BG064483.D	2 Oct 2025 18:50	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_G**

Daily Analysis Runlog For Sequence/QC Batch ID # BG101425

Review By	Jagrut	Review On	10/14/2025 4:48:56 PM		
Supervise By	mohammad	Supervise On	10/17/2025 12:16:26 AM		
SubDirectory	BG101425	HP Acquire Method	BNA_G	HP Processing Method	bg100225
STD. NAME		STD REF.#			
Tune/Reschk		SP6875			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13178,10ul/1000ul sample			
ICV/I.BLK		SP6872			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064496.D	14 Oct 2025 10:55	RC/JU	Ok
2	SSTDCCC040	BG064497.D	14 Oct 2025 11:50	RC/JU	Ok
3	PB170080BL	BG064498.D	14 Oct 2025 12:31	RC/JU	Ok
4	PB170062TB	BG064499.D	14 Oct 2025 13:11	RC/JU	Ok
5	PB170080BS	BG064500.D	14 Oct 2025 14:38	RC/JU	Ok,M
6	Q3327-02	BG064501.D	14 Oct 2025 15:31	RC/JU	Ok
7	Q3321-02	BG064502.D	14 Oct 2025 16:12	RC/JU	Ok
8	Q3321-02MS	BG064503.D	14 Oct 2025 16:52	RC/JU	Ok,M
9	Q3321-02MSD	BG064504.D	14 Oct 2025 17:33	RC/JU	Ok,M
10	Q3326-04	BG064505.D	14 Oct 2025 18:14	RC/JU	Ok
11	Q3326-08	BG064506.D	14 Oct 2025 18:54	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG100225

Review By	Rahul	Review On	10/3/2025 8:38:44 AM		
Supervise By	Jagrut	Supervise On	10/3/2025 3:25:38 PM		
SubDirectory	BG100225	HP Acquire Method	BNA_G	HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13176,10ul/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	BG064472.D	2 Oct 2025 8:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064473.D	2 Oct 2025 9:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064474.D	2 Oct 2025 9:42		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064475.D	2 Oct 2025 10:53	Not Used	RC/JU	Not Ok
5	SSTDICC020	SSTDICC020	BG064476.D	2 Oct 2025 11:33		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064477.D	2 Oct 2025 12:14	Compound failed in the calibration. #77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064478.D	2 Oct 2025 12:55		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064479.D	2 Oct 2025 13:35		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064480.D	2 Oct 2025 14:16		RC/JU	Ok,M
10	SSTDICC010	SSTDICC010	BG064481.D	2 Oct 2025 15:49		RC/JU	Ok,M
11	SSTDICV040	ICVBG100225	BG064482.D	2 Oct 2025 18:09		RC/JU	Ok,M
12	PB169936BL	PB169936BL	BG064483.D	2 Oct 2025 18:50	Surrogate Fail	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG101425

Review By	Jagrut	Review On	10/14/2025 4:48:56 PM
Supervise By	mohammad	Supervise On	10/17/2025 12:16:26 AM
SubDirectory	BG101425	HP Acquire Method	BNA_G
		HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/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	BG064496.D	14 Oct 2025 10:55		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064497.D	14 Oct 2025 11:50		RC/JU	Ok
3	PB170080BL	PB170080BL	BG064498.D	14 Oct 2025 12:31		RC/JU	Ok
4	PB170062TB	PB170062TB	BG064499.D	14 Oct 2025 13:11		RC/JU	Ok
5	PB170080BS	PB170080BS	BG064500.D	14 Oct 2025 14:38		RC/JU	Ok,M
6	Q3327-02	HADLEY-ROAD-TP	BG064501.D	14 Oct 2025 15:31		RC/JU	Ok
7	Q3321-02	P001-DS-01	BG064502.D	14 Oct 2025 16:12		RC/JU	Ok
8	Q3321-02MS	P001-DS-01MS	BG064503.D	14 Oct 2025 16:52		RC/JU	Ok,M
9	Q3321-02MSD	P001-DS-01MSD	BG064504.D	14 Oct 2025 17:33		RC/JU	Ok,M
10	Q3326-04	TP-1	BG064505.D	14 Oct 2025 18:14		RC/JU	Ok
11	Q3326-08	TP-2	BG064506.D	14 Oct 2025 18:54		RC/JU	Ok

M : Manual Integration

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-1

TCLP Filter ID : 40718710

Start Prep Date : 10/10/2025 **Time :** 17:00

End Prep Date : 10/11/2025 **Time :** 11:20

Combination Ratio : 20

ZHE Cleaning Batch : N/A 180

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : [Signature]

Supervisor By : [Signature]

Standardized Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114525
HCL-TCLP,1N	N/A	WP114527
HNO3-TCLP,1N	N/A	WP114528
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP86978

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 checked,30 rpm. q3327-02 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/13/25 11:00	[Signature] 120 Room	SLB. RJ/ET
	Preparation Group	Analysis Group [Signature]

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170062TB	LEB062	05	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-1
Q3321-02	P001-DS-01	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q3326-04	TP-1	02	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q3326-08	TP-2	03	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3327-02	HADLEY-ROAD	04	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170062TB	LEB062	N/A	N/A	N/A	N/A	N/A	N/A
Q3321-02	P001-DS-01	N/A	N/A	N/A	N/A	100	N/A
Q3326-04	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q3326-08	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q3327-02	HADLEY-ROAD	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB170062TB	LEB062	N/A	N/A	N/A	N/A	#1	4.93
Q3321-02	P001-DS-01	5.02	96.5	8.0	3.5	#1	4.93
Q3326-04	TP-1	5.01	96.5	6.0	2.0	#1	4.93
Q3326-08	TP-2	5.02	96.5	7.0	2.5	#1	4.93
Q3327-02	HADLEY-ROAD	5.03	96.5	6.2	2.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q3321 WorkList ID : 192394 Department : TCLP Extraction Date : 10-10-2025 12:39:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3321-02	P001-DS-01	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	D41	10/08/2025	1311
Q3326-04	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/10/2025	1311
Q3326-08	TP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/10/2025	1311
Q3327-02	HADLEY-ROAD	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/10/2025	1311

Date/Time 10/10/25 14:00
 Raw Sample Received by: JB wacy
 Raw Sample Relinquished by: JB wacy

Date/Time 10/10/25 17:30
 Raw Sample Received by: JB wacy
 Raw Sample Relinquished by: JB wacy

SOP ID:	M3510C,3580A-Extraction SVOC-21		
Clean Up SOP #:	N/A	Extraction Start Date :	10/13/2025
Matrix :	Water	Extraction Start Time :	11:14
Weigh By:	N/A	Extraction By:	RJ
Balance check:	N/A	Extraction End Date :	10/13/2025
Balance ID:	N/A	Filter By:	RS
pH Strip Lot#:	E3953	Extraction End Time :	16:10
		Concentration By:	EH
		Supervisor By :	RUPESH
Extraction Method:	☒ Separatory Funnel ☐ Continuous 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
Methylene Chloride	N/A	E3973
Baked Na2SO4	N/A	EP2652
H2SO4 1:1	N/A	EP2610
10N NaOH	N/A	EP2609
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

PH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH, 1.5ML Vial Lot #2210443.

KD Bath ID:	WATER BATH-1	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/13/25	RS (But Lab)	JY / SVOC
16:15	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 10/13/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170062TB	PB170062TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB170080BL	PB170080BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB170080BS	PB170080BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q3321-02	P001-DS-01	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q3321-02MS	P001-DS-01MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q3321-02MS D	P001-DS-01MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q3326-04	TP-1	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q3326-08	TP-2	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q3327-02	HADLEY-ROAD-TP	TCLP BNA	100	6	RUPESH	ritesh	1	A		9

Rs
10/13

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170062TB	LEB062	05	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-1
Q3321-02	P001-DS-01	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q3326-04	TP-1	02	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q3326-08	TP-2	03	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3327-02	HADLEY-ROAD	04	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1

10/13/25
11:00

Prep Standard - Chemical Standard Summary

Order ID : Q3321

Test : TCLP BNA

Prepbatch ID : PB170080,

Sequence ID/Qc Batch ID: BG101425,

Standard ID :

EP2609,EP2610,EP2652,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6865,SP6869,SP6871,SP6872,SP6875,

Chemical ID :

10ul/1000ul

sample,E3657,E3875,E3932,E3954,E3965,E3973,M6157,S 11073,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,S13178,S13207,S13214,S13233,S13239,S13240,S13241,S13242,S13243,S13244,S13269,W3112,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025
<u>FROM</u>	1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025
<u>FROM</u>	1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/10/2025
<u>FROM</u> 4000.00000gram of E3875 = Final Quantity: 4000.000 gram								

[illegible]

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>
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

<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

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>
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

<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

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>
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

<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

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>
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

<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

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>
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

<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
<u>FROM</u>	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							

<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
<u>FROM</u>	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
<u>FROM</u>	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.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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-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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	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

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

CHEMICAL RECEIPT LOG BOOK

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]

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]

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	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]

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]

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	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

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

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	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

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

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	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

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

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	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, CH ₂ Cl ₂ , 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

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

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	04/10/2026	10/10/2025 / Jagrut	06/02/2025 / anahy	S13178

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

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]

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	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]

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]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112



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:

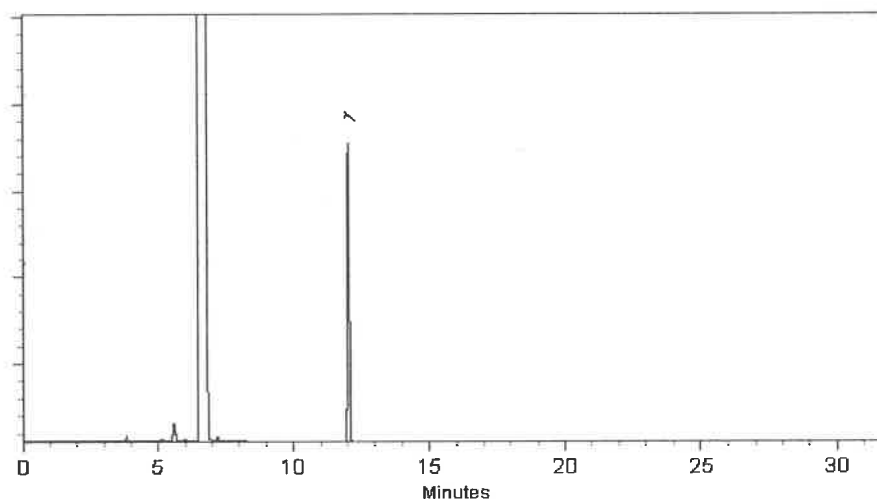
200°C

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

Avantor Performance Materials LLC



Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

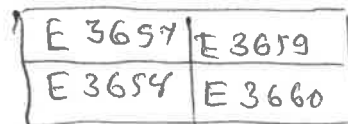
This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.





**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

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

Avantor Performance Materials LLC

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 HeptachlorEpoxide) 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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



MG157
MS

Material No.: 9673-33

Batch No.: 24I1262013

Manufactured Date: 2024-08-07

Retest Date: 2029-08-06

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO ₂)	<= 2 ppm	<2 ppm
Ammonium (NH ₄)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO ₃)	<= 0.2 ppm	0.1 ppm
Phosphate (PO ₄)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

 **avantors**™



Material No.: 9673-33

Batch No.: 2411262013

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	1.1 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 1.0 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



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

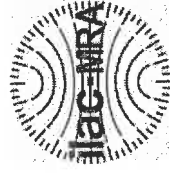
Avantor Performance Materials LLC



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com



Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555870 Lot No.: A0200549

Description: Custom 2,4-Dinitrophenol Standard

Container Size: 2 mL Pkg Amt: > 1 mL

Expiration Date: August 31, 2026 Storage: 10°C or colder

Ship: Ambient

5116gh } Y.P.
↓
511693 } 08/10/28

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%


Tom Suckar, Mix Technician

Date Mixed: 02-Aug-2023 Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- 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.



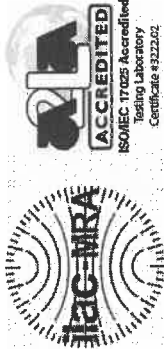
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CERTIFIED REFERENCE MATERIAL

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 Y.P.
↓ 11/13/23
511658

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - 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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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:

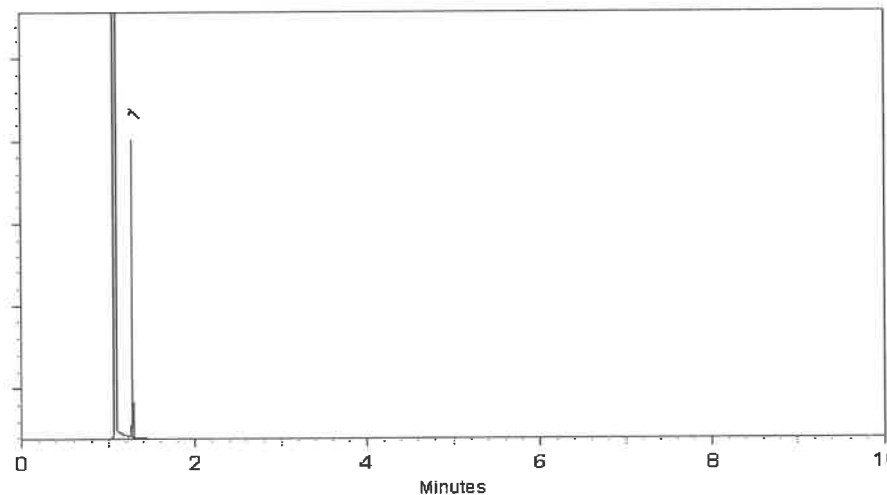
FID

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.



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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:

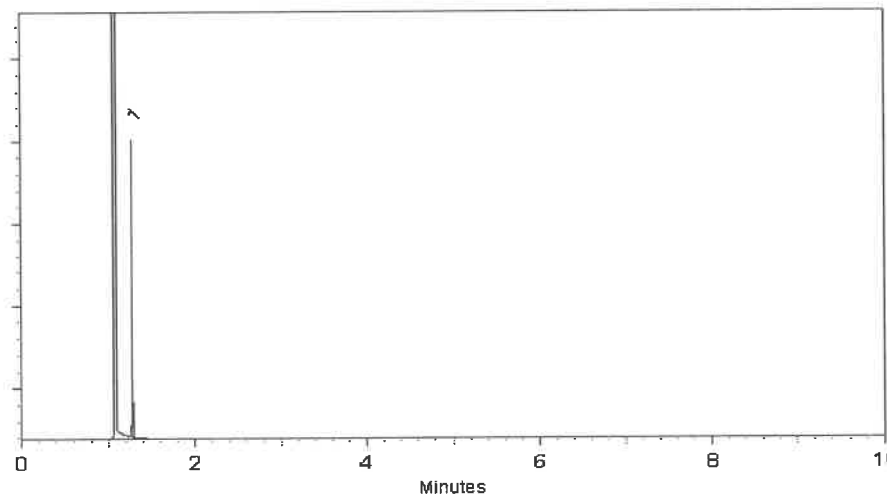
FID

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.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

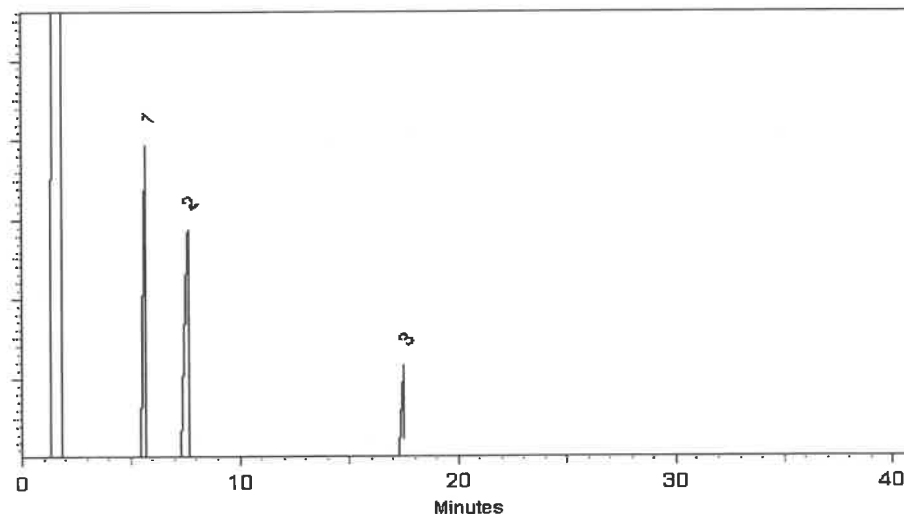
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope B. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

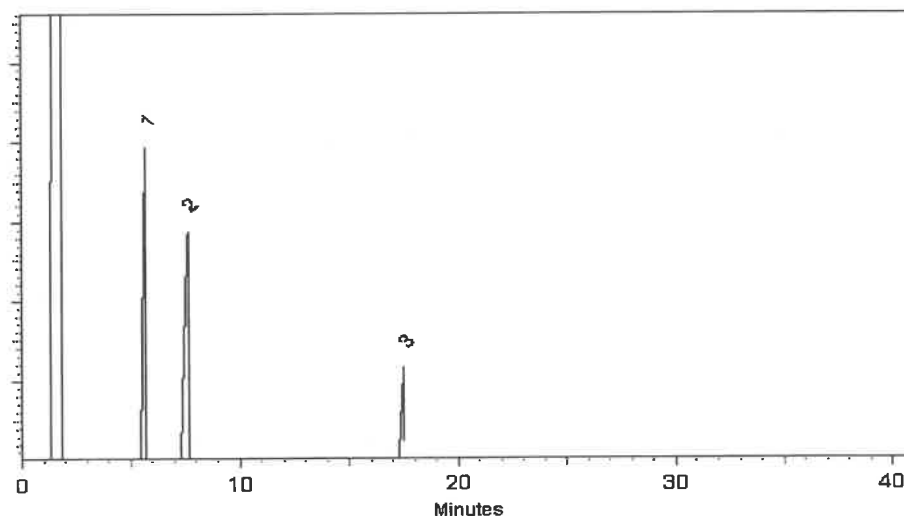
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

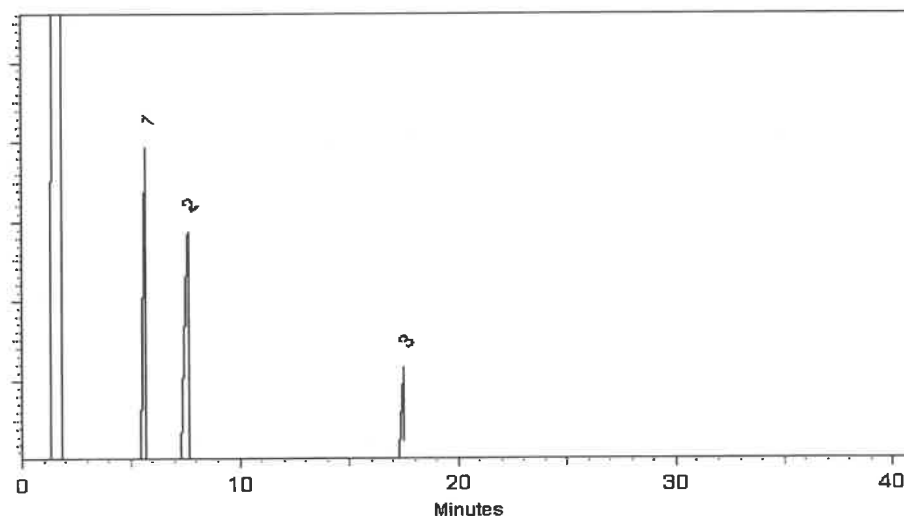
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

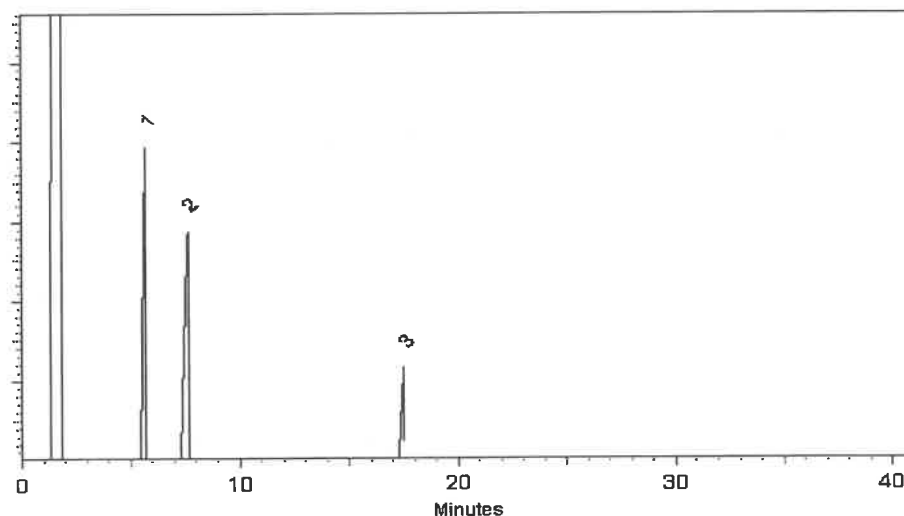
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
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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:

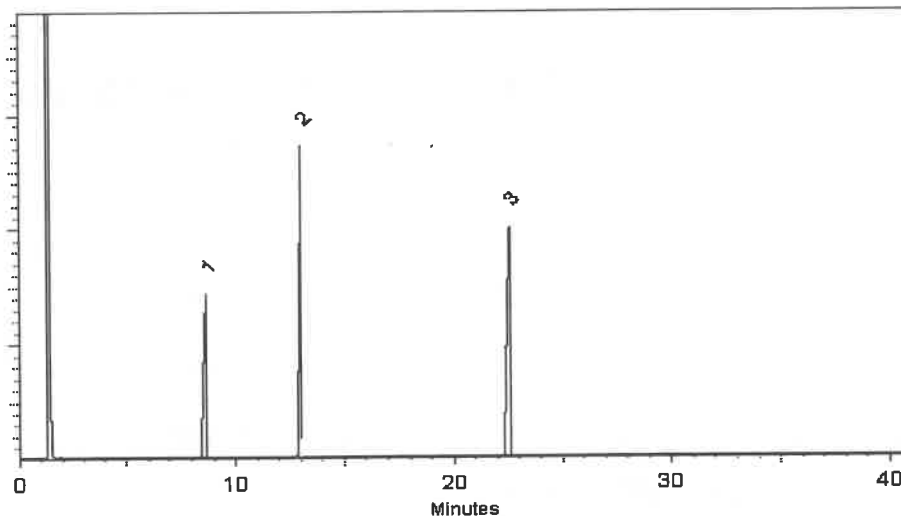
FID

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

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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. : 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:

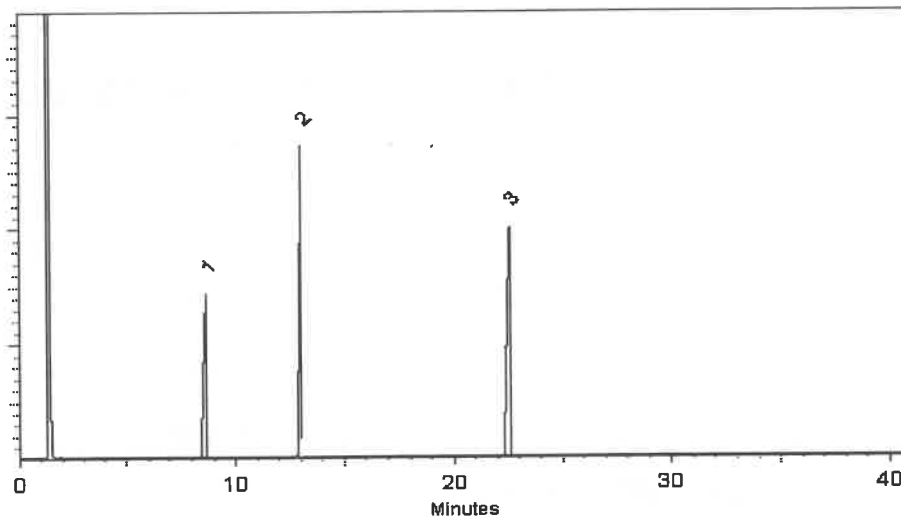
FID

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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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:

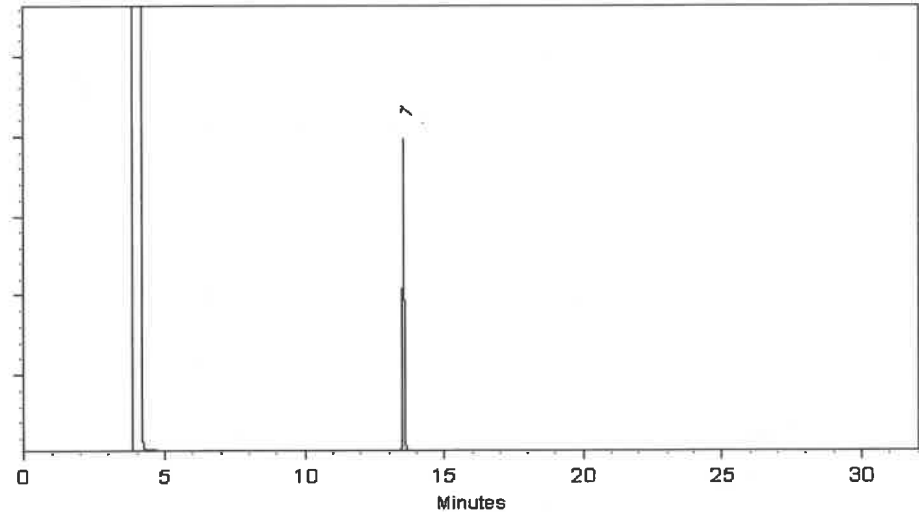
FID

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
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Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

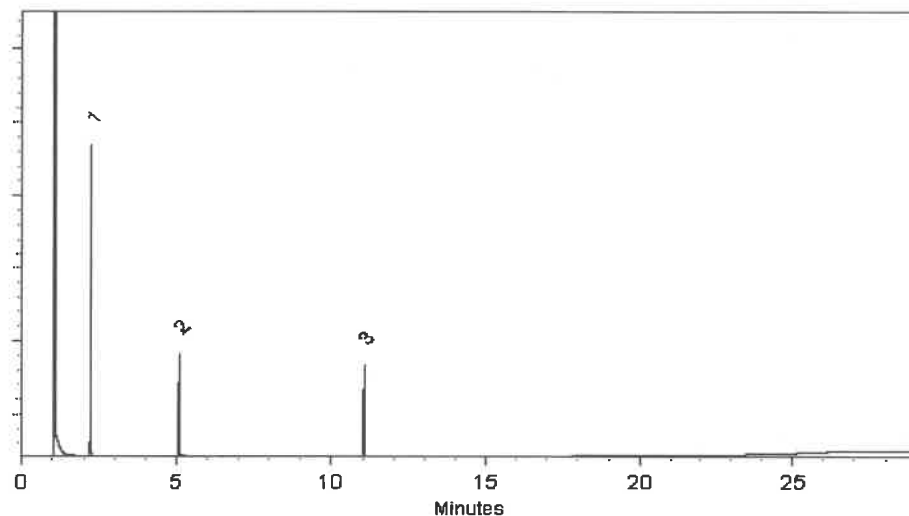
FID

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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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:

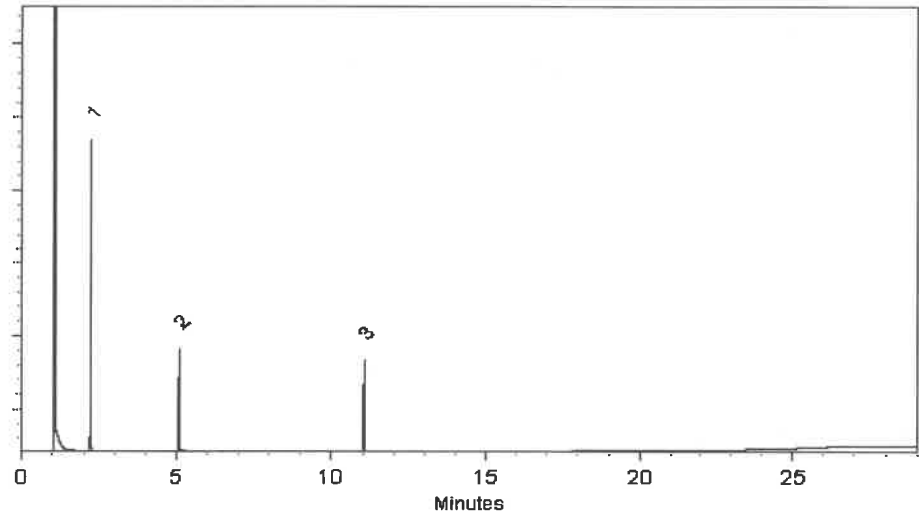
FID

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

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
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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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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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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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:

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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/
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S12568 } 7/24/24


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Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

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Ship: Ambient

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Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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S12568 } 7/24/24


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Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
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S12568 } 7/24/24


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chromatographic plus



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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:

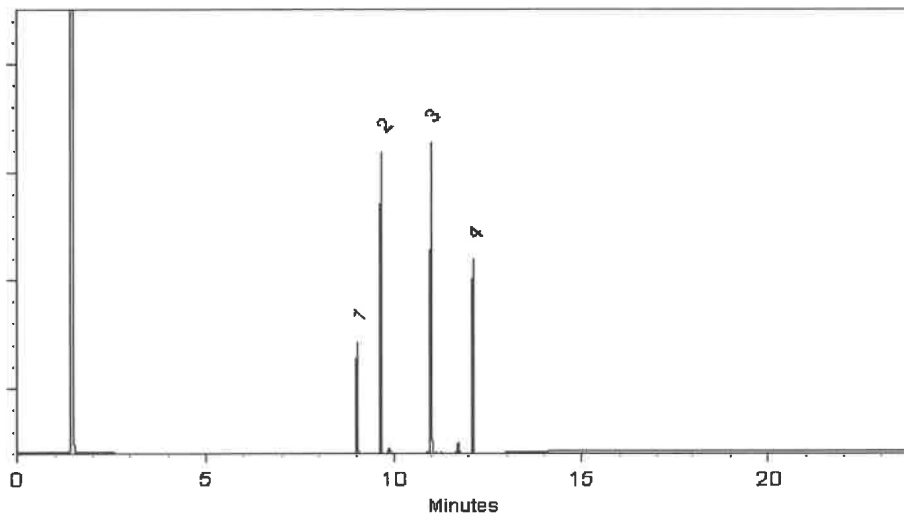
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl

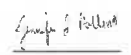


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



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. : 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 Reference Material CRM



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
SE-05 Balance Uncertainty: 0.031
Flask Uncertainty:

Formulated By: <i>Prahsant Chauhan</i>	061323
Reviewed By: <i>Pedro L. Farias</i>	061323
DATE	

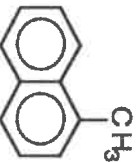
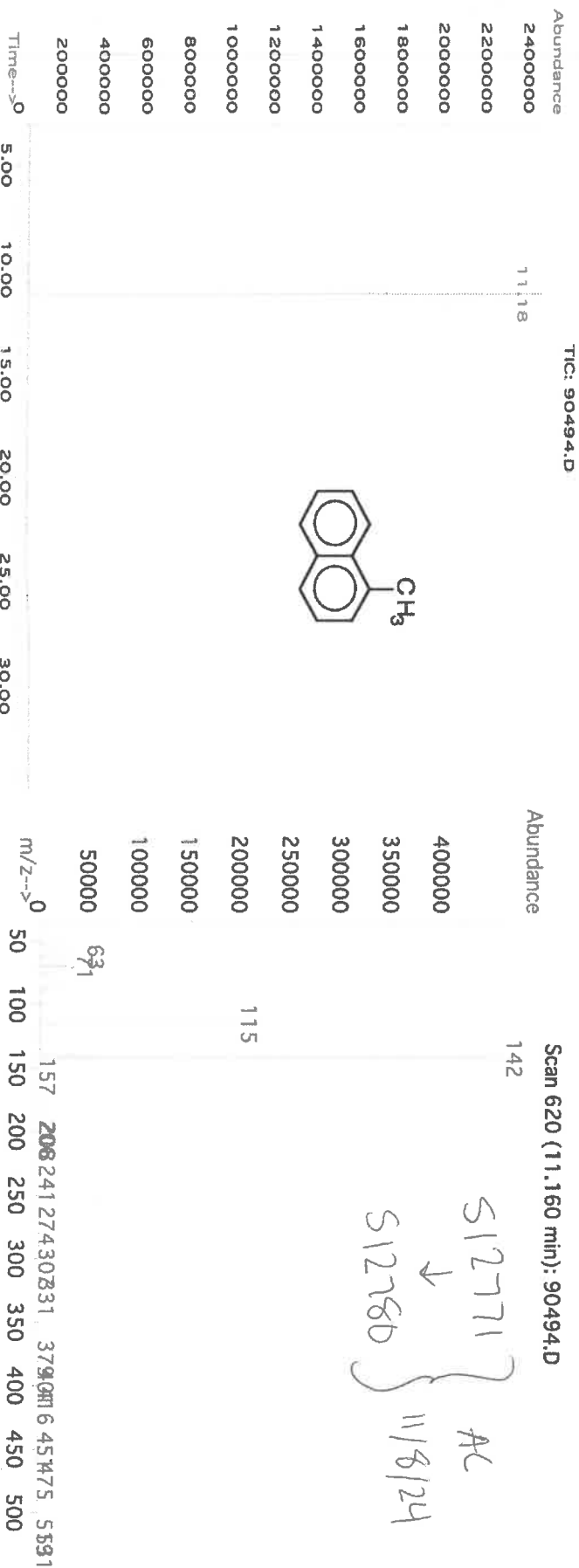
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50

SDS Information

Expanded (Solvent Safety Info. On Attached pg.)

1. 1-Methylnaphthalene 313 04413BX 2000 98 0.2 0.20417 0.20430 2001.2 8.3 90-12-0 N/A or: 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 Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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 } 24
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
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
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:

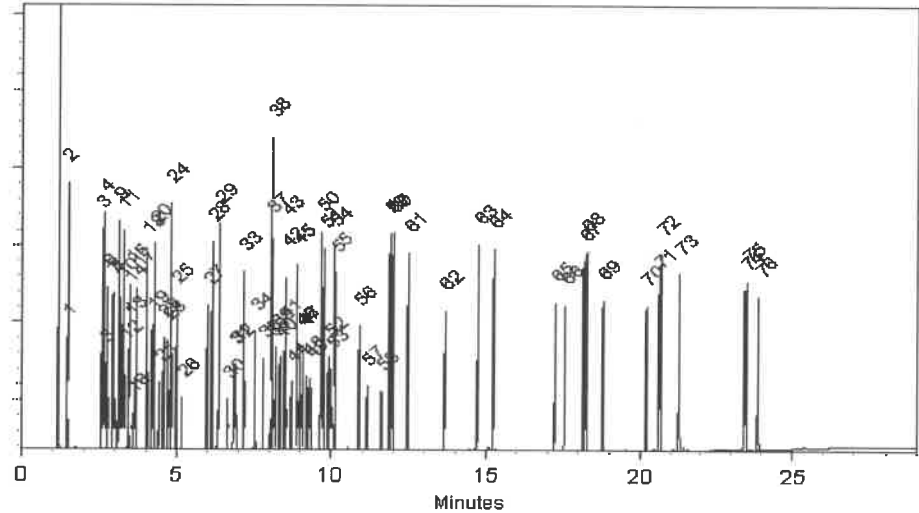
FID

Split Vent:

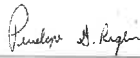
100 ml/min.

Inj. Vol

1µl

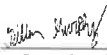


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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 } 24
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
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
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:

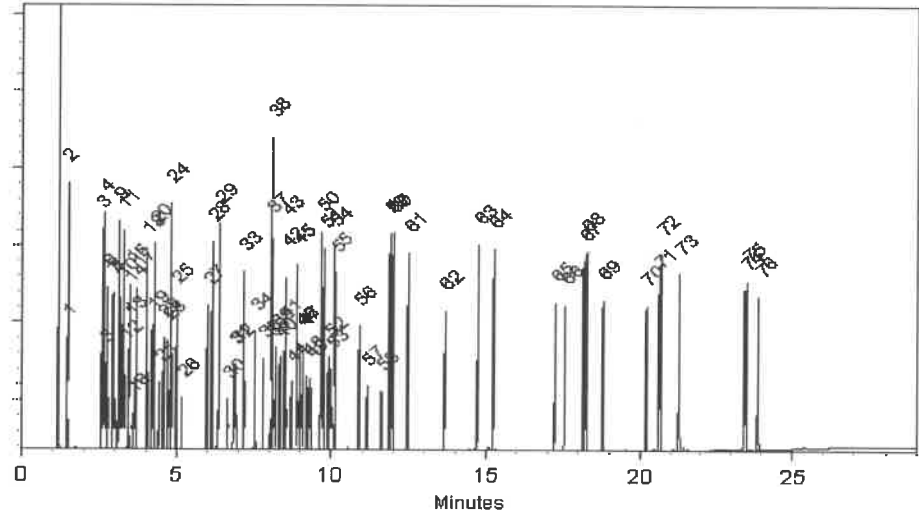
FID

Split Vent:

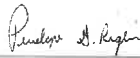
100 ml/min.

Inj. Vol

1µl

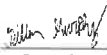


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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 }
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513117 } 24
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
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
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:

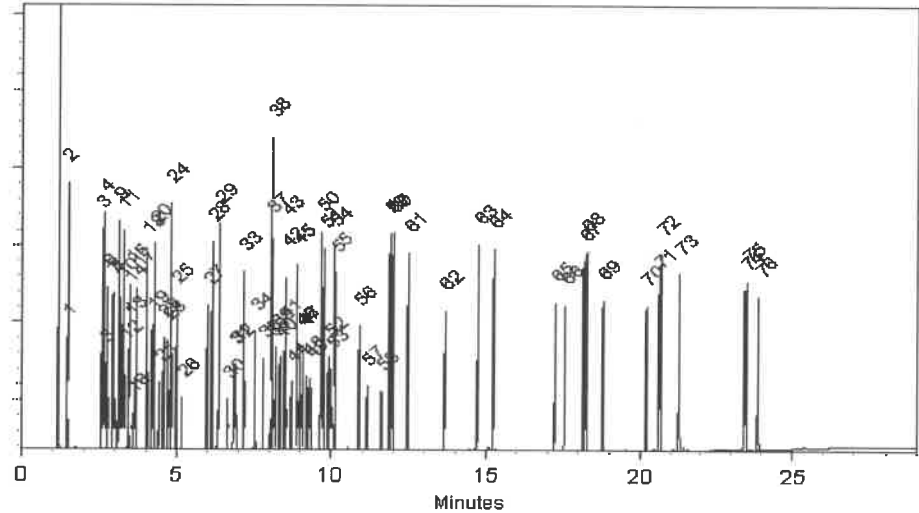
FID

Split Vent:

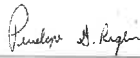
100 ml/min.

Inj. Vol

1µl

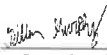


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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

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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
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
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:

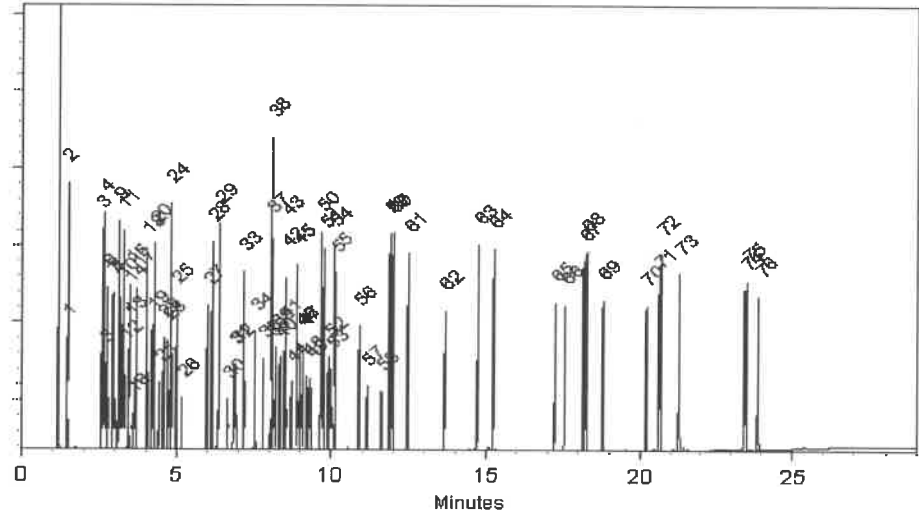
FID

Split Vent:

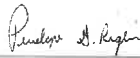
100 ml/min.

Inj. Vol

1µl

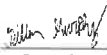


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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

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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
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
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:

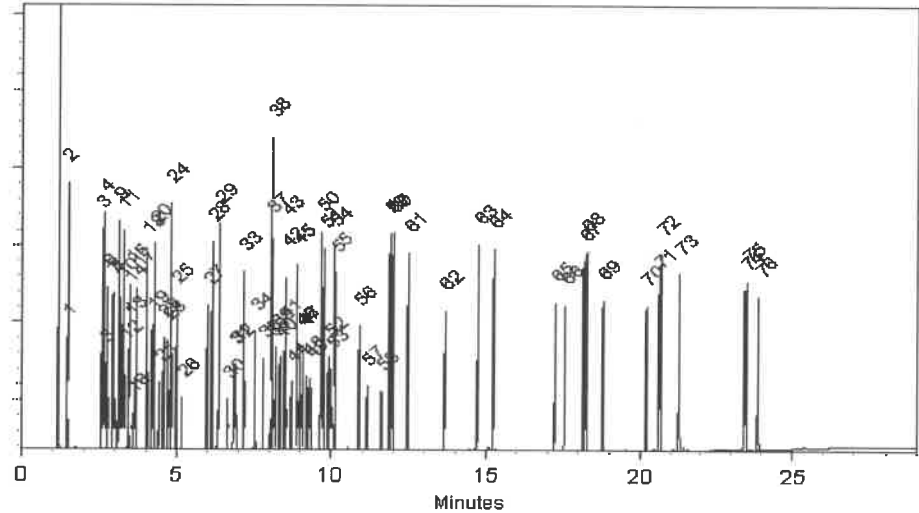
FID

Split Vent:

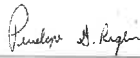
100 ml/min.

Inj. Vol

1µl

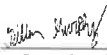


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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

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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
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
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:

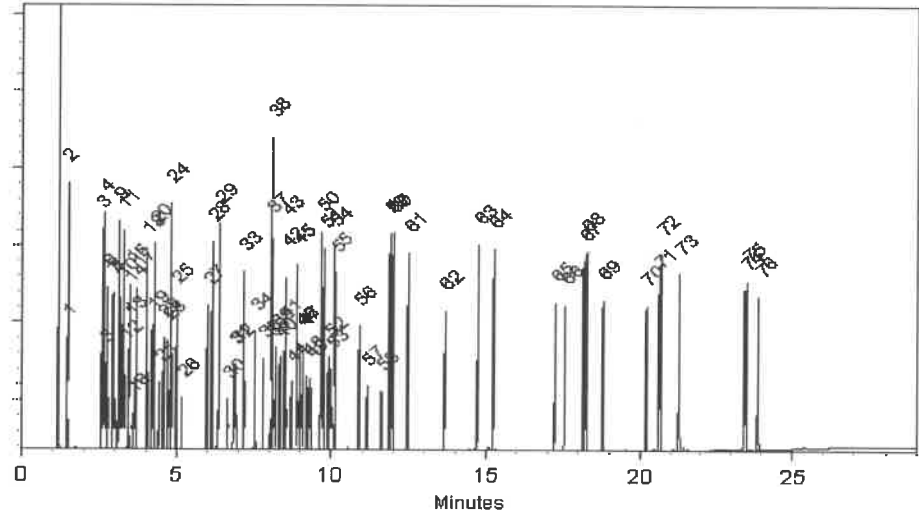
FID

Split Vent:

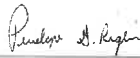
100 ml/min.

Inj. Vol

1µl

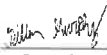


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** 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

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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
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
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:

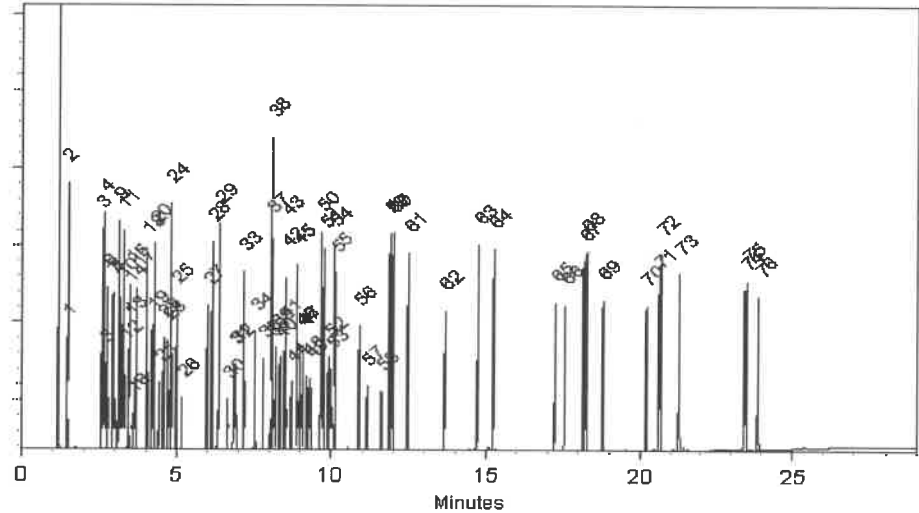
FID

Split Vent:

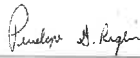
100 ml/min.

Inj. Vol

1µl

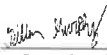


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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

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513117 } 24
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
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
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:

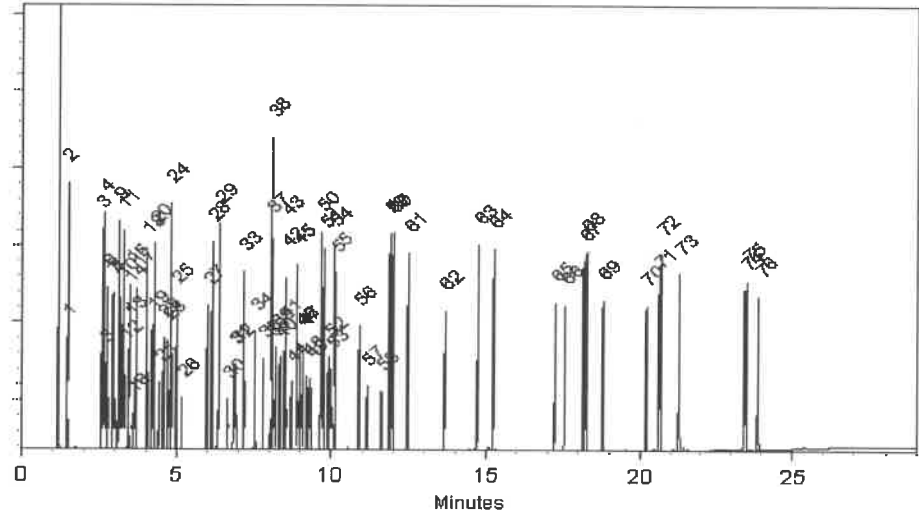
FID

Split Vent:

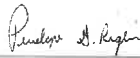
100 ml/min.

Inj. Vol

1µl

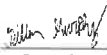


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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

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513117 } 24
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
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
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:

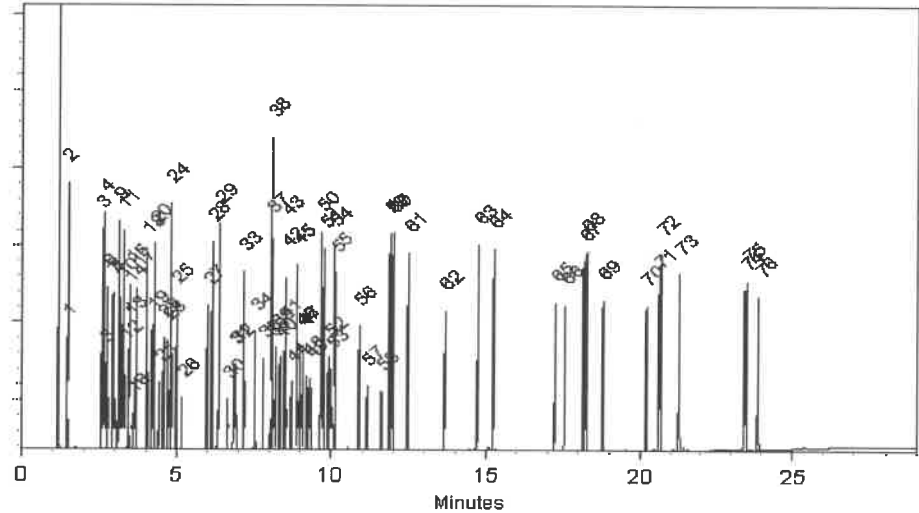
FID

Split Vent:

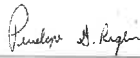
100 ml/min.

Inj. Vol

1µl

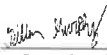


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



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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. : 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:

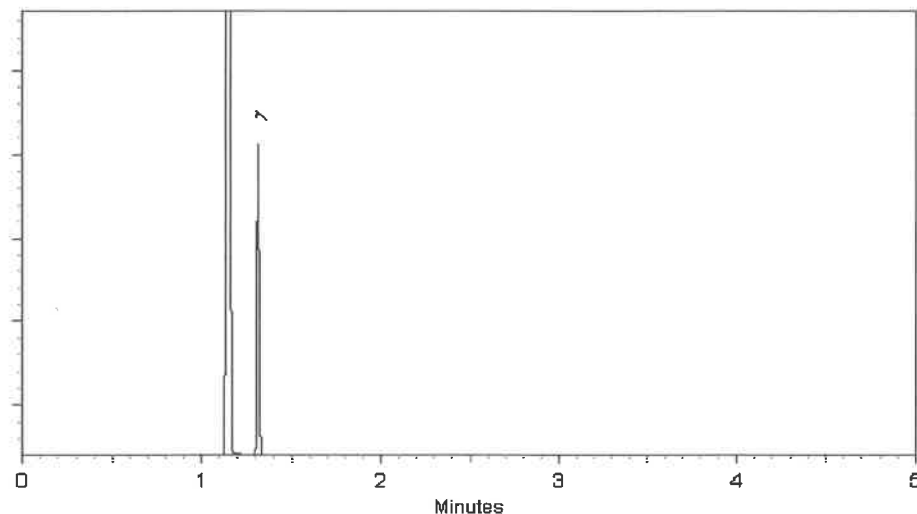
FID

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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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:

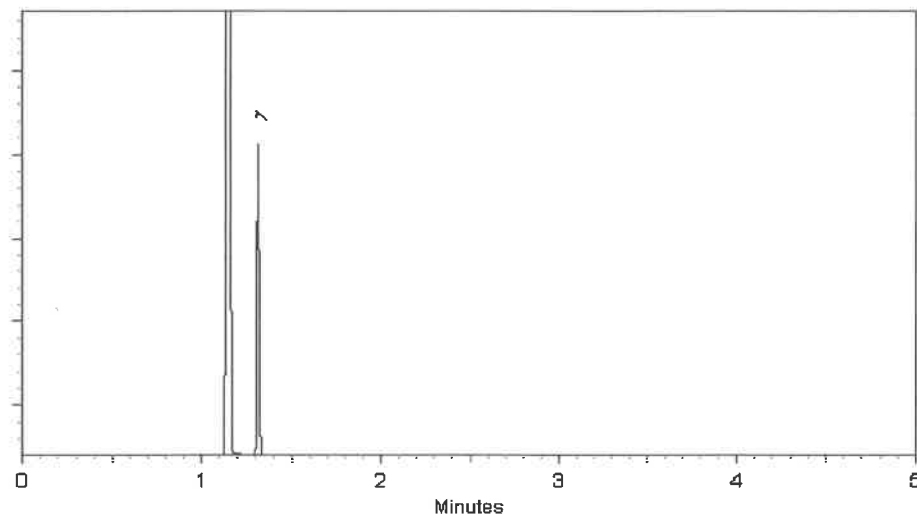
FID

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 Righlin - Operations Tech I

Date Mixed: 07-Nov-2024

Balance Serial # 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

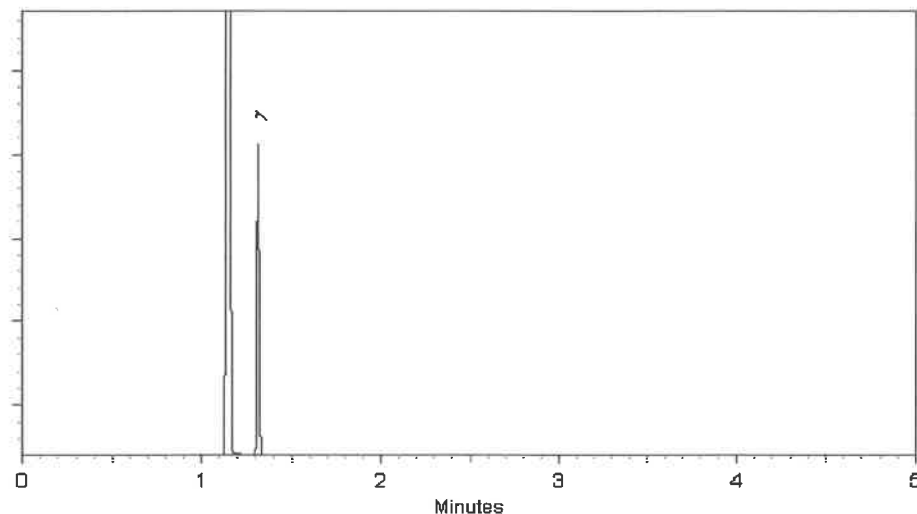
FID

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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** 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

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Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** 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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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

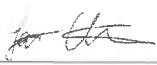
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

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



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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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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:

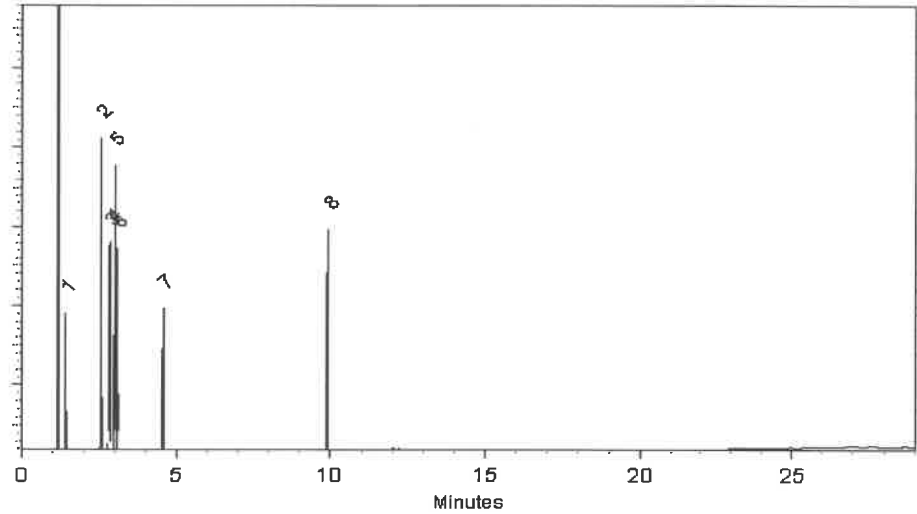
FID

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: *William Murphy* at 1:28 pm, Jul 30, 2025

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Certificate #FM 80397**



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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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

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S13239 } RC/
↓
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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

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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

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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.

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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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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 } RC
↓
513157 } 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

Q3321

USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

Cooler #: 1

Lab: Alliance Technical Group, LLC

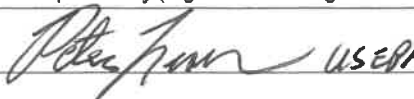
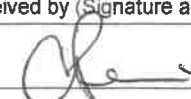
Lab Phone: 805-526-7161

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-DS-01	P001	TAL VOCs	Soil	10/8/2025	14:15	3	5-g Encore sampler	4 C	
	P001-DS-01	P001	TAL SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL PCBs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass cl jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Metals+Hg&CN	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP VOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Metals+Hg	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Herbicides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	 USEPA	10/8/25 1600h		10/9/25 10:00	IR Gun #1 3.4

Q3321

USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

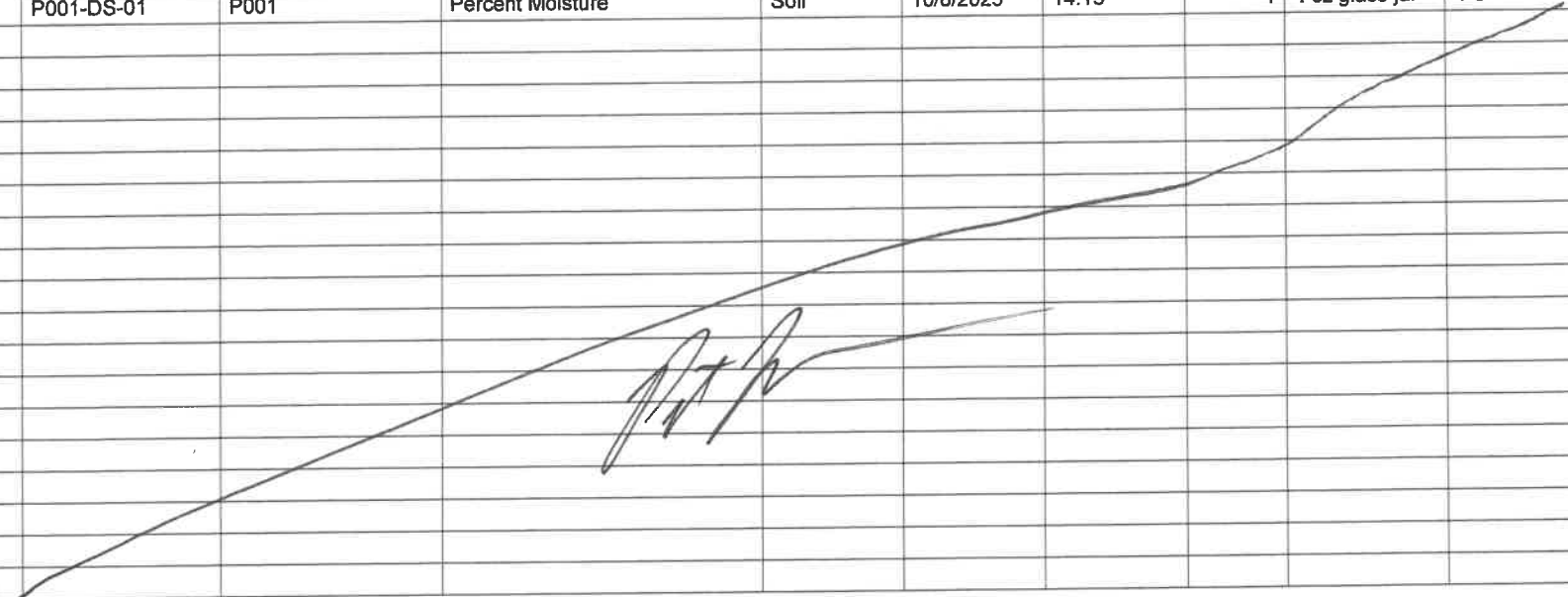
Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

Cooler #: 1

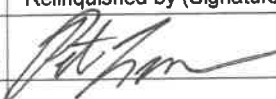
Lab: Alliance Technical Group, LLC

Lab Phone: 805-526-7161

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-DS-01	P001	Percent Moisture	Soil	10/8/2025	14:15	1	4 oz glass jar	4 C	
										

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Special Instructions:

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSIS	 USEPA	10/8/25 1600 AM		1000 10/9/25	IR 5.00 ± 1 3.4

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 : Q3321	ROYF02	Order Date : 10/9/2025 10:30:00 AM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 905-918	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 10/9/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Weston Solutions, Inc.		Purchase Order : 10:00	Hard Copy Date :
Invoice Contact : Smita Sumbaly			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3321-01	P001-DS-01	Solid	10/08/2025	14:15	VOC-TCLVOA-10		8260D		10 Bus. Days 5 Bus Days

Relinquished By :

Date / Time : 10/9/25 10:00

Received By :

Date / Time : 10/09/25

Storage Area : VOA Refridgerator Room