284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : RFP 918

WESTON SOLUTIONS, INC.

1090 King Georges Post Road

Suite 201

Edison, NJ - 08837-3703

Phone No: 732-585-4410

ORDER ID : Q3321

ATTENTION : Smita Sumbaly

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q3321

Project ID : RFP 918

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
Q3321-01	P001-DS-01
Q3321-02	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

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 918
Project # N/A
Order ID # Q3321
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 10/09/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TCLP BNA. This data package contains results for TCLP BNA.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The MS {Q3321-02MS} with File ID: BG064503.D recoveries met the requirements for all compounds except for 2,4,5-Trichlorophenol[120%], 2,4,6-Trichlorophenol[118%] and Hexachlorobenzene[116%], due to matrix interference due to matrix interference.

The MSD {Q3321-02MSD} with File ID: BG064504.D recoveries met the requirements for all compounds except for 2,4,5-Trichlorophenol[116%], due to matrix interference due to matrix interference.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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E. Additional Comments:

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

F. Manual Integration Comments:

Concentration of Water Sample:

$$\text{Concentration ug/L} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(RRF)\,(Vo)\,(Vi)}$$

Where,

Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
Vo = Volume of water extracted in mL.
Vi = Volume of extract injected in uL.
Vt = Volume of the concentrated extract in uL
RRF = Mean Relative Response Factor determined from the initial calibration standard.
GPC = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout

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

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

Signature_____

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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 is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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

ORDER ID: Q3321 MATRIX: TCLP

METHOD: 8270E/3510/1311

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q3321-02MS} with File ID: BG064503.D recoveries met the requirements for all compounds except for 2,4,5-Trichlorophenol[120%], 2,4,6-Trichlorophenol[118%] and Hexachlorobenzene[116%], due to matrix interference due to matrix interference. The MSD {Q3321-02MSD} with File ID: BG064504.D recoveries met the requirements for all compounds except for 2,4,5-Trichlorophenol[116%], due to matrix interference due to matrix interference. The Blank Spike met requirements for all compounds.		✓	

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

		NA	NO	YES
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

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

_____ _____

QA REVIEW Date

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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 Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 10/17/2025

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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**			**10/08/25**			**10/09/25**
			SVOC-TCL BNA -20	8270E		10/10/25	10/10/25	
Q3321-02	**P001-DS-01**	**TCLP**			**10/08/25**			**10/09/25**
			TCLP BNA	8270E		10/13/25	10/14/25	

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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

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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	Limits (%) 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

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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	Limits 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	

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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	Limits 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

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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 Qual	Limits Low	Limits High	Limits 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	

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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:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: ROYF02

Lab Code: ACE | SDG NO.: Q3321

Lab File ID: BG064472.D | DFTPP Injection Date: 10/02/2025

Instrument ID: BNA_G | 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	100
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	6.8
365	Greater than 1% of mass 198	7.1
441	Present, but less than mass 443	86.2
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 Contract: ROYF02

Lab Code: ACE SDG NO.: Q3321

Lab File ID: BG064496.D DFTPP Injection Date: 10/14/2025

Instrument ID: BNA_G 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	100
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	80.8
442	Greater than 50% of mass 198	100
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

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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.

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

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

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/13/25	
Project:	RFP 918		Date Received:	10/13/25	
Client Sample ID:	PB170062TB		SDG No.:	Q3321	
Lab Sample ID:	PB170062TB		Matrix:	TCLP	
Analytical Method:	8270E	Level : LOW	% Solid:	0	
Sample Wt/Vol:	100 mL	Final Vol: 1000 uL	Test:	TCLP BNA	
Prep Method :	SW3541	Prep Date: 10/13/25			

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

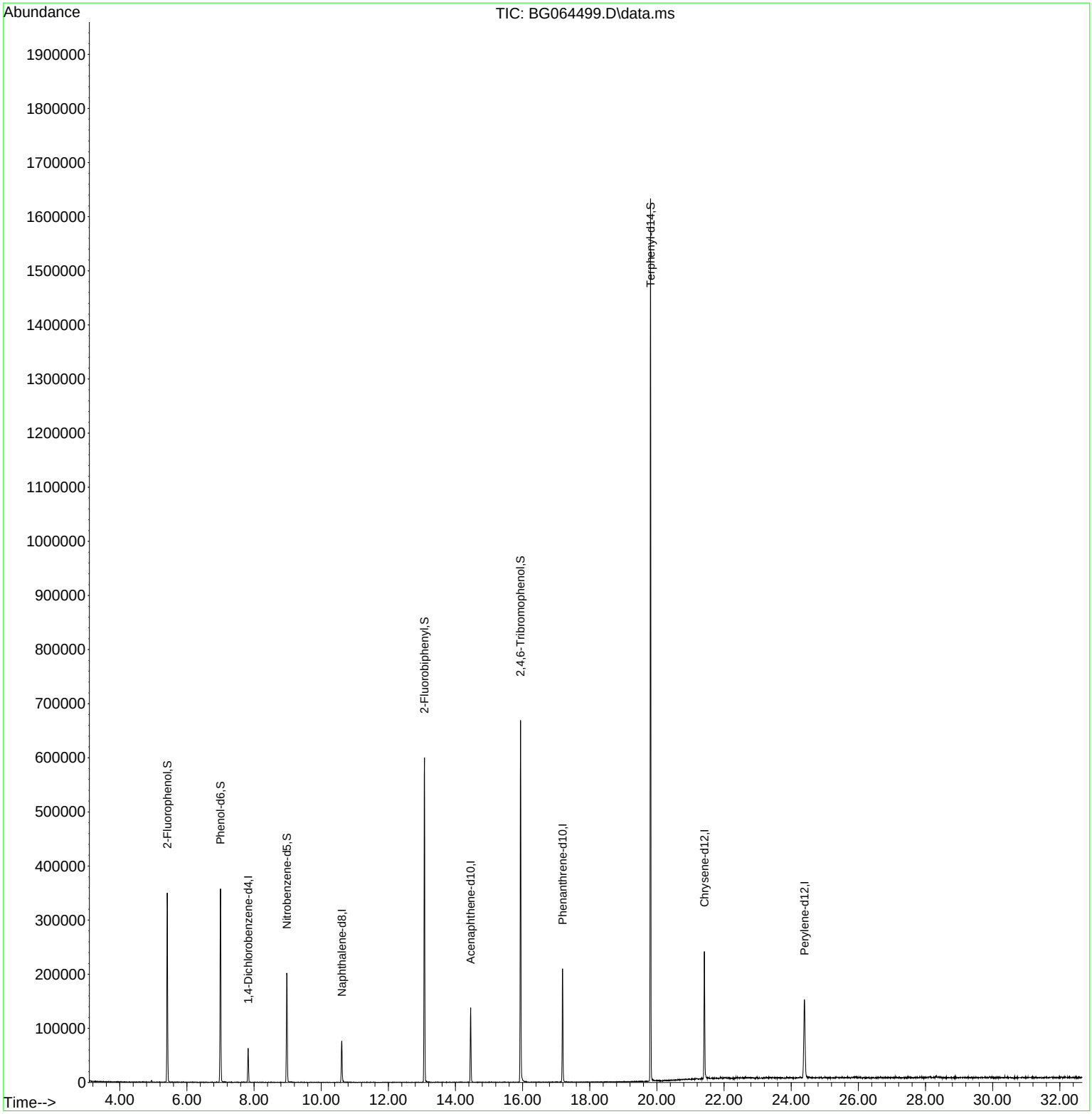
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	15800	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	64368	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	49104	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	132382	20.000	ng	0.00
76) Chrysene-d12	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

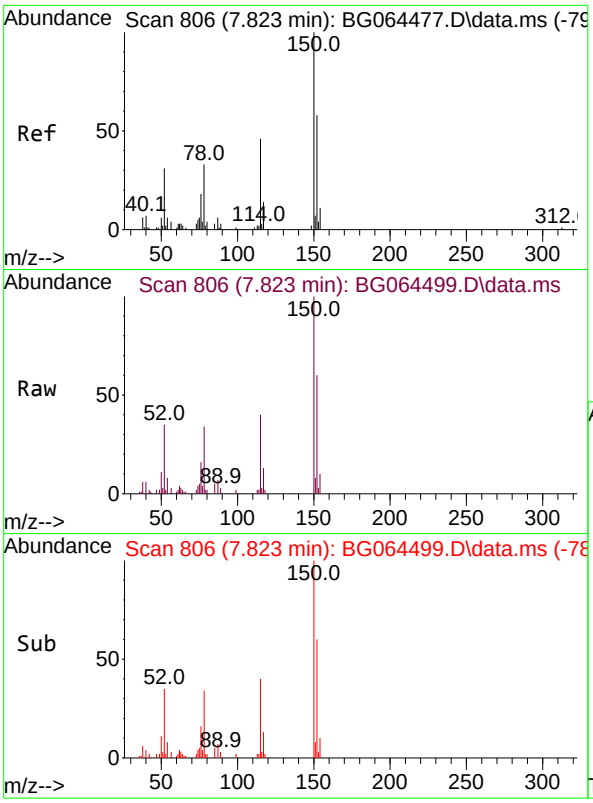
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



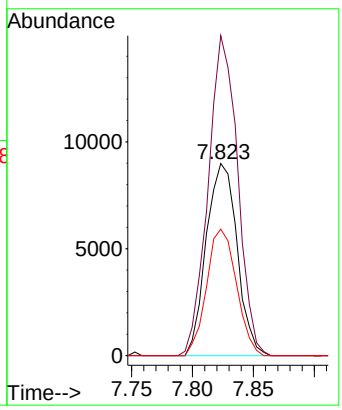


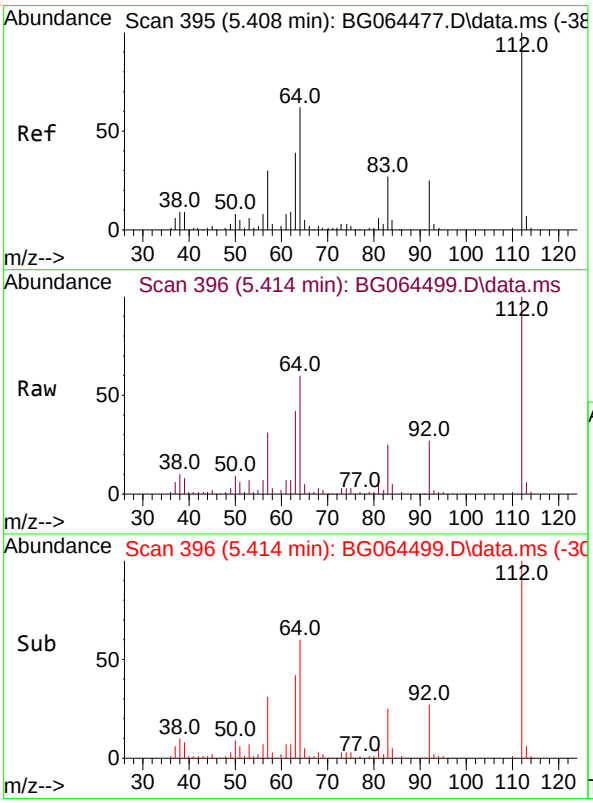
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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

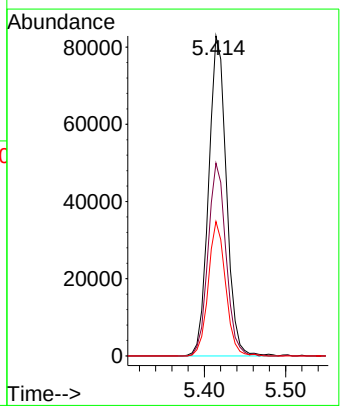


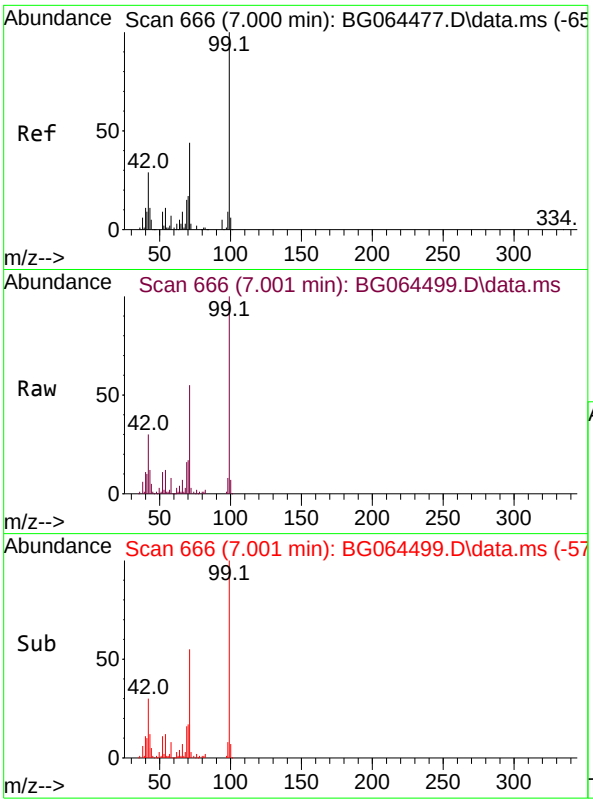


#5
2-Fluorophenol
Concen: 147.401 ng
RT: 5.414 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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



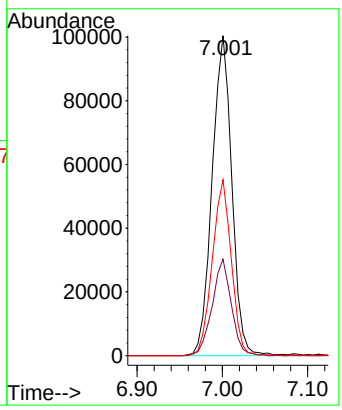


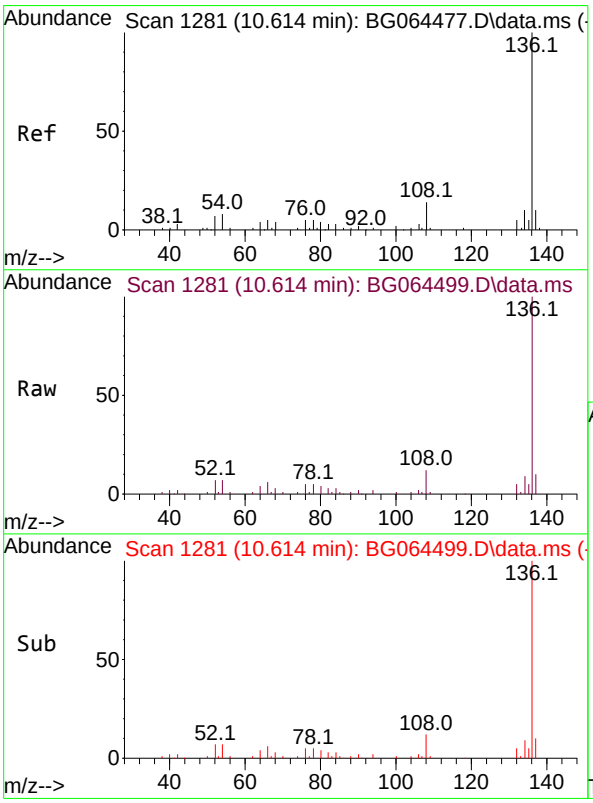
#7
Phenol-d6
Concen: 140.381 ng
RT: 7.001 min Scan# 6
Delta R.T. 0.015 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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#

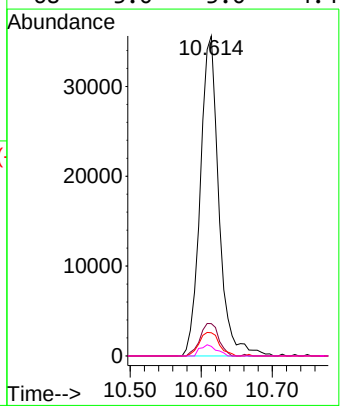


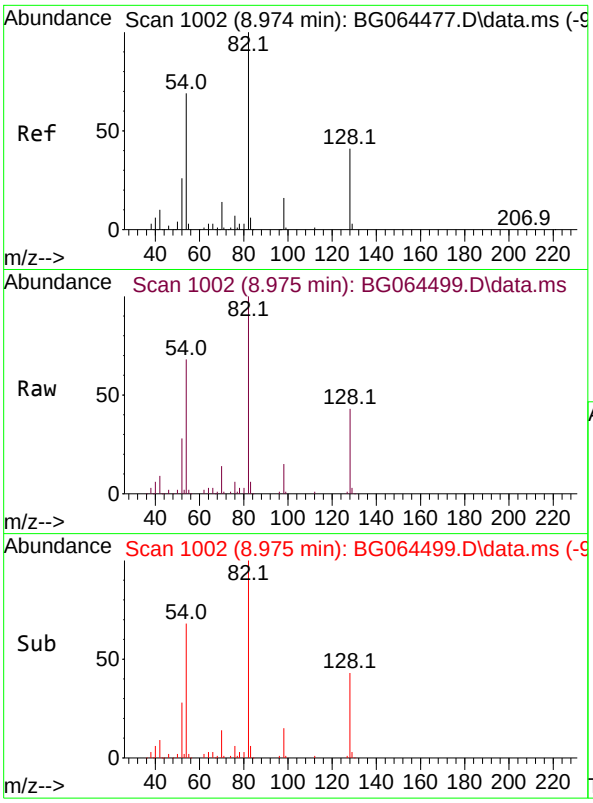


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1281
Delta R.T. 0.009 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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



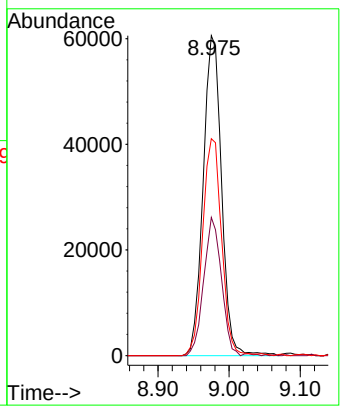


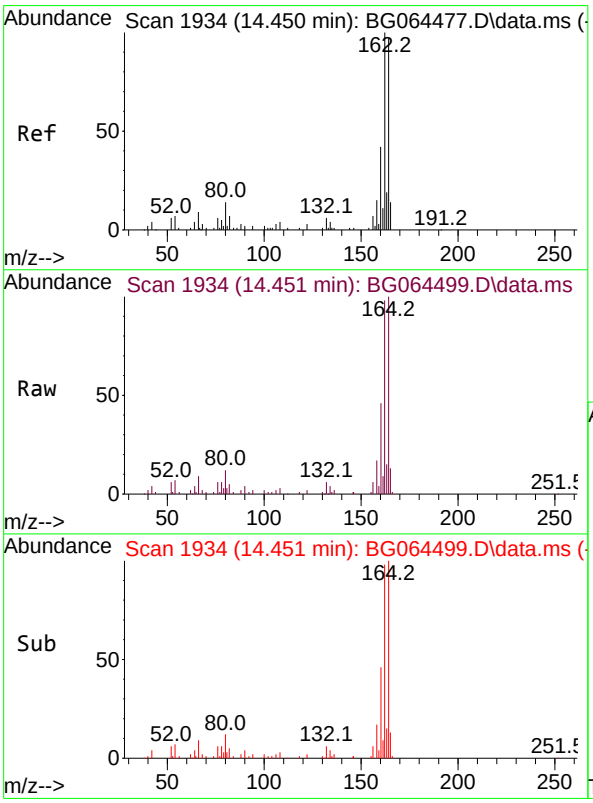
#23
Nitrobenzene-d5
Concen: 90.749 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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

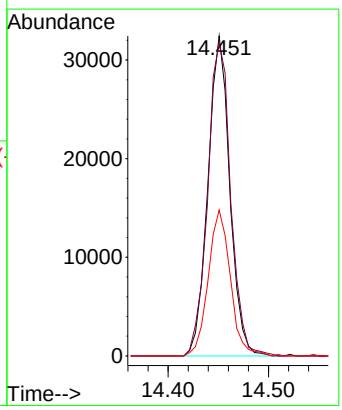


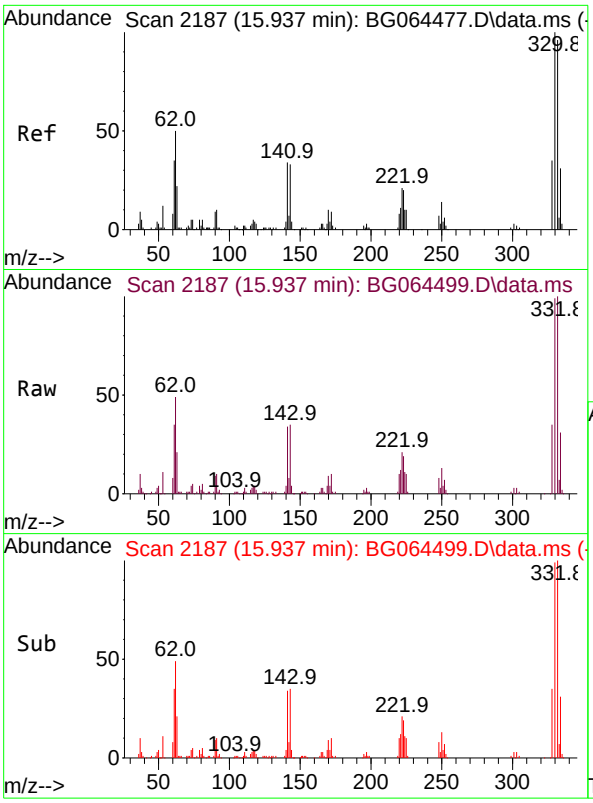


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1934
Delta R.T. 0.003 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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



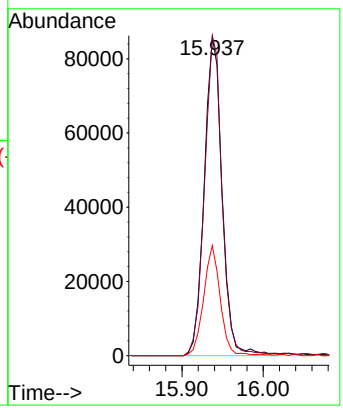


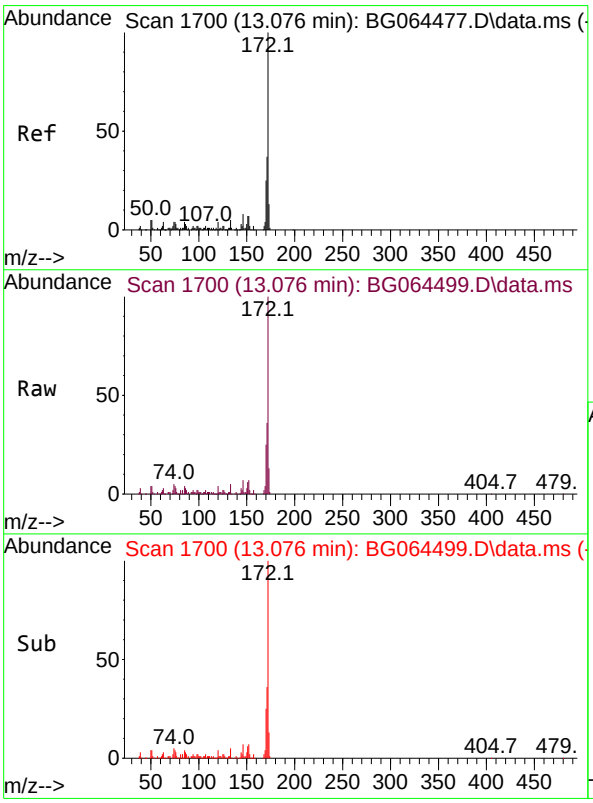
#42
2,4,6-Tribromophenol
Concen: 147.823 ng
RT: 15.937 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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

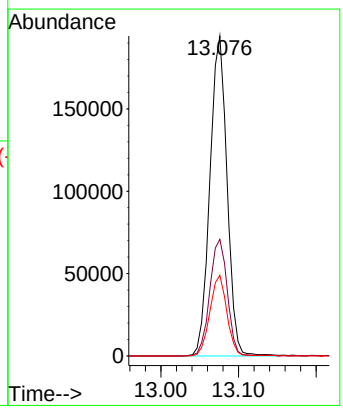


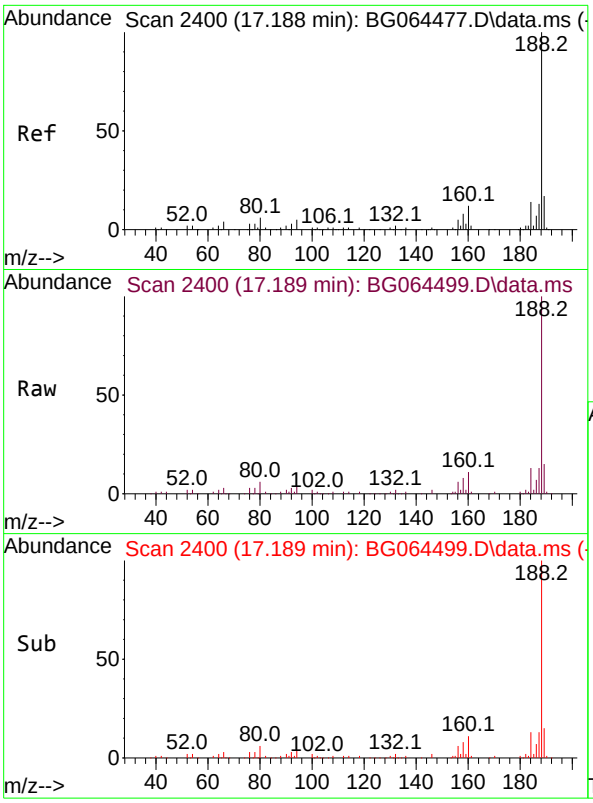


#45
2-Fluorobiphenyl
Concen: 89.441 ng
RT: 13.076 min Scan# 1700
Delta R.T. 0.009 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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



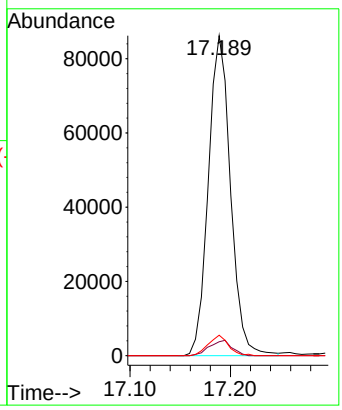


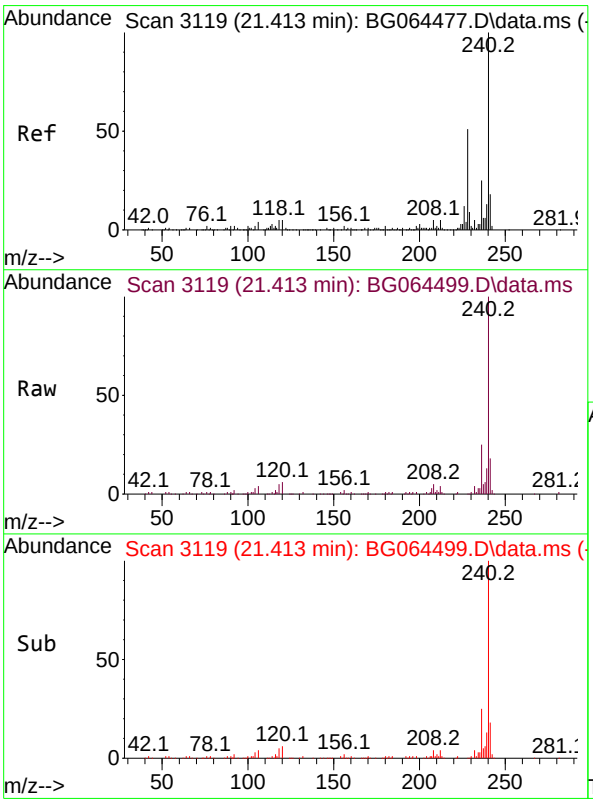
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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

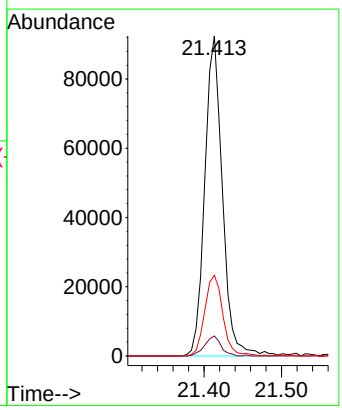


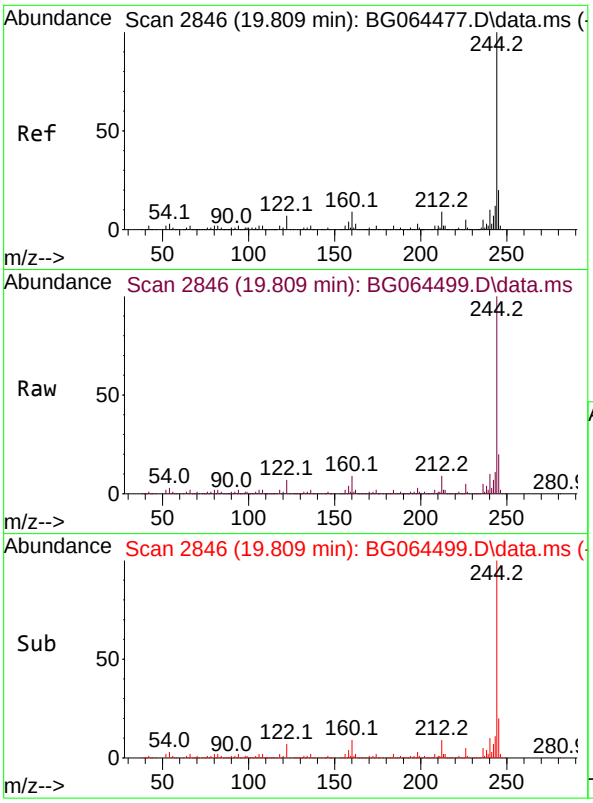


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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



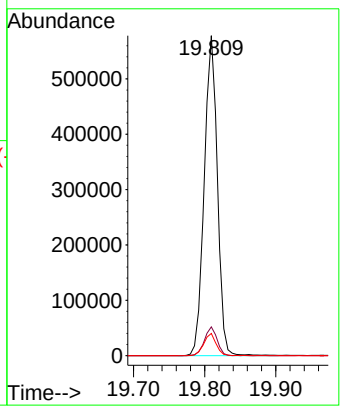


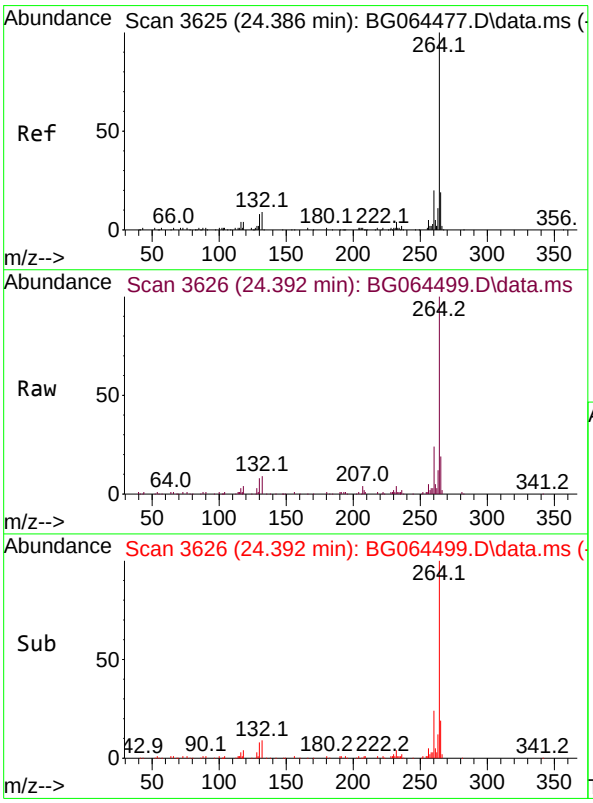
#79
Terphenyl-d14
Concen: 95.731 ng
RT: 19.809 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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

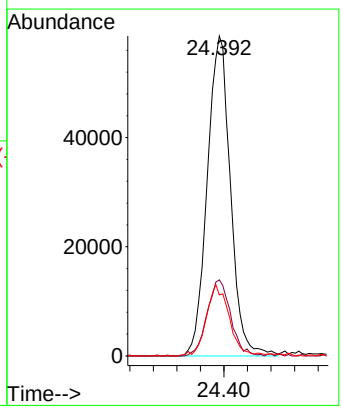




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.392 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BG064499.D
Acq: 14 Oct 2025 13:11

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



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/08/25	
Project:	RFP 918		Date Received:	10/09/25	
Client Sample ID:	P001-DS-01		SDG No.:	Q3321	
Lab Sample ID:	Q3321-02		Matrix:	TCLP	
Analytical Method:	8270E	Level : LOW	% Solid:	0	
Sample Wt/Vol:	100 mL	Final Vol: 1000 uL	Test:	TCLP BNA	
Prep Method :	SW3541	Prep Date: 10/13/25			

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

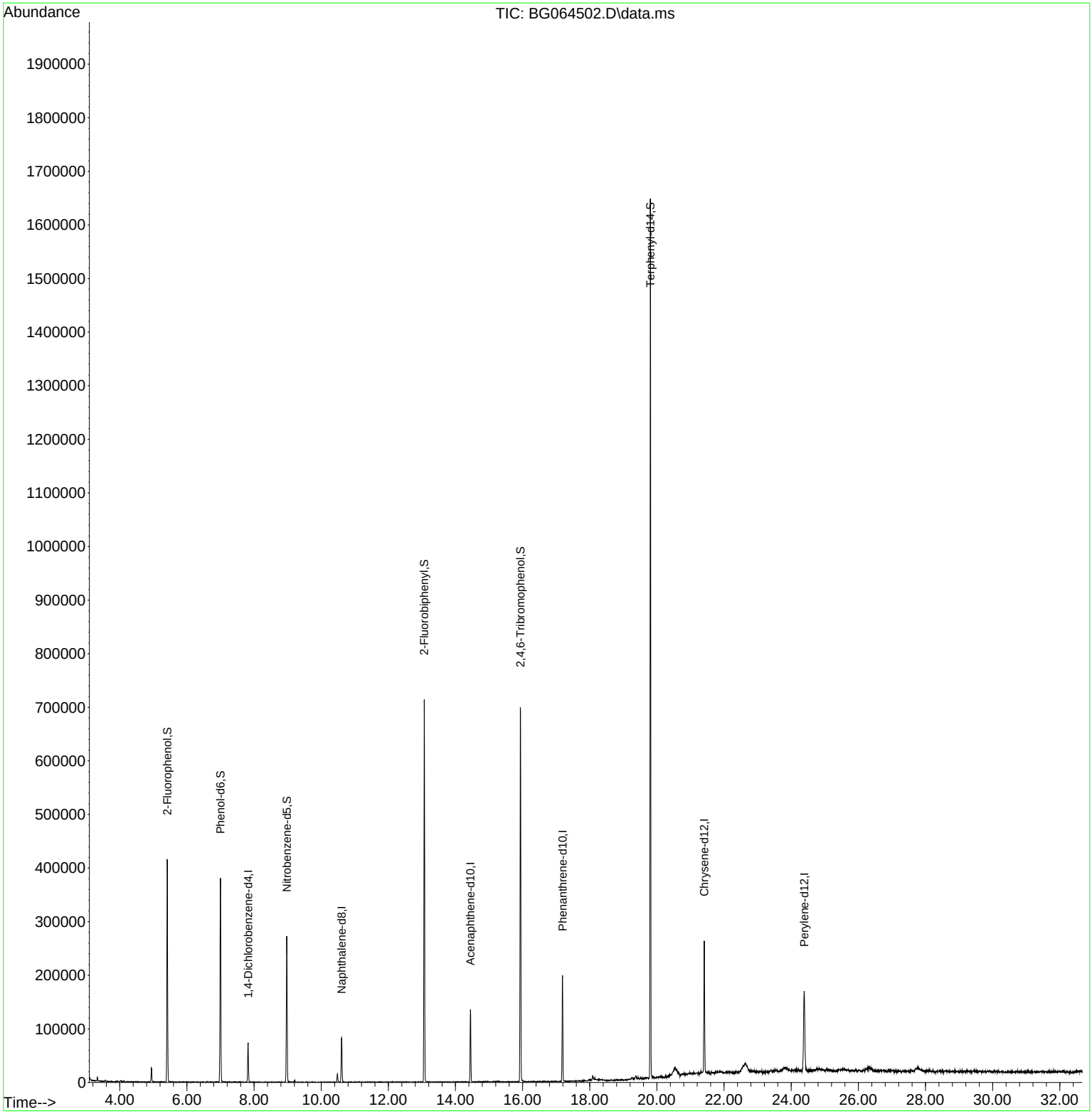
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	17336	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	67622	20.000	ng	0.00
39) Acenaphthene-d10	14.446	164	47788	20.000	ng	0.00
64) Phenanthrene-d10	17.190	188	118948	20.000	ng	0.00
76) Chrysene-d12	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

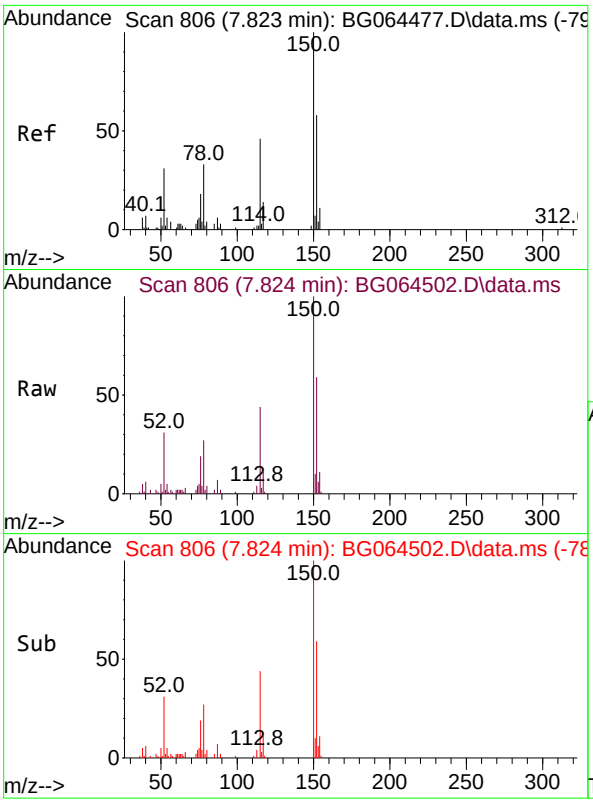
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



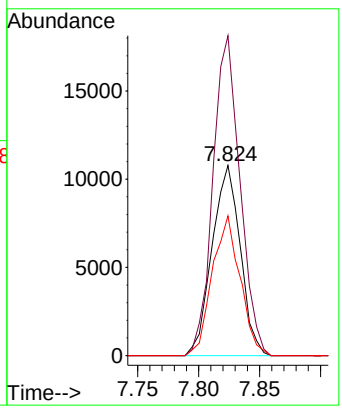


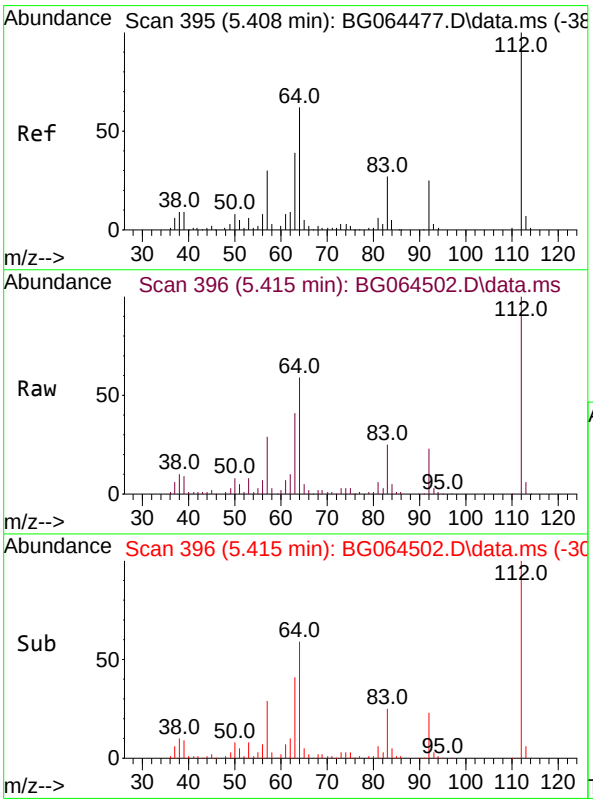
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.824 min Scan# 80
Delta R.T. 0.004 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

Instrument :
BNA_G
ClientSampleId :
P001-DS-01

Tgt Ion:152 Resp: 17336

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

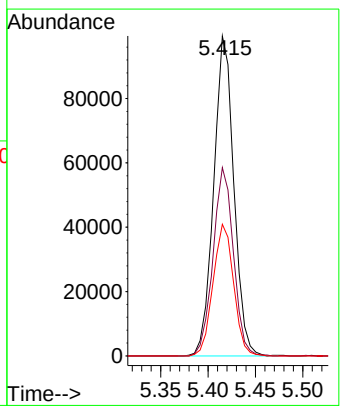


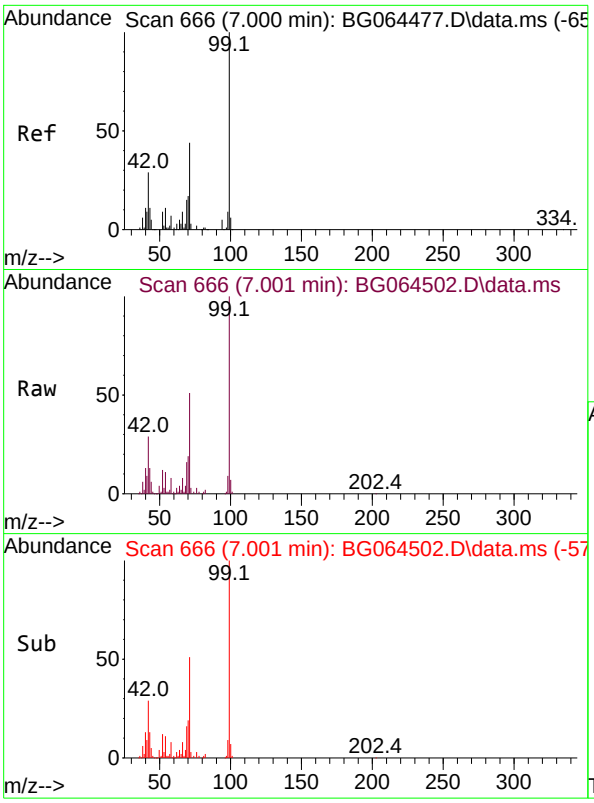


#5
2-Fluorophenol
Concen: 156.616 ng
RT: 5.415 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

Tgt Ion:112 Resp: 146708

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



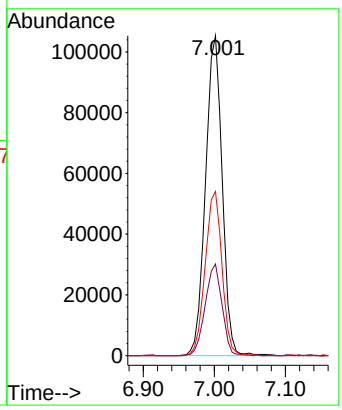


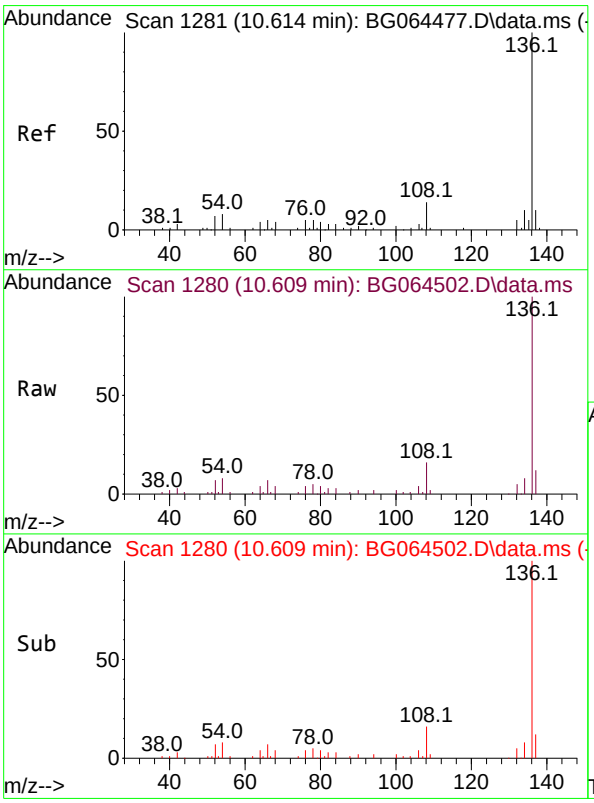
#7
Phenol-d6
Concen: 136.286 ng
RT: 7.001 min Scan# 6
Delta R.T. 0.015 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

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

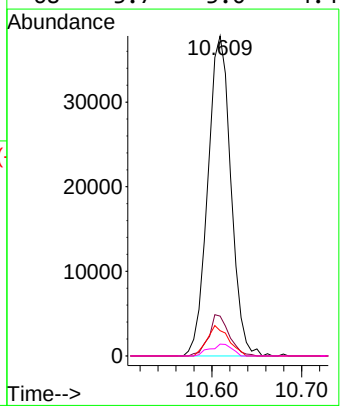


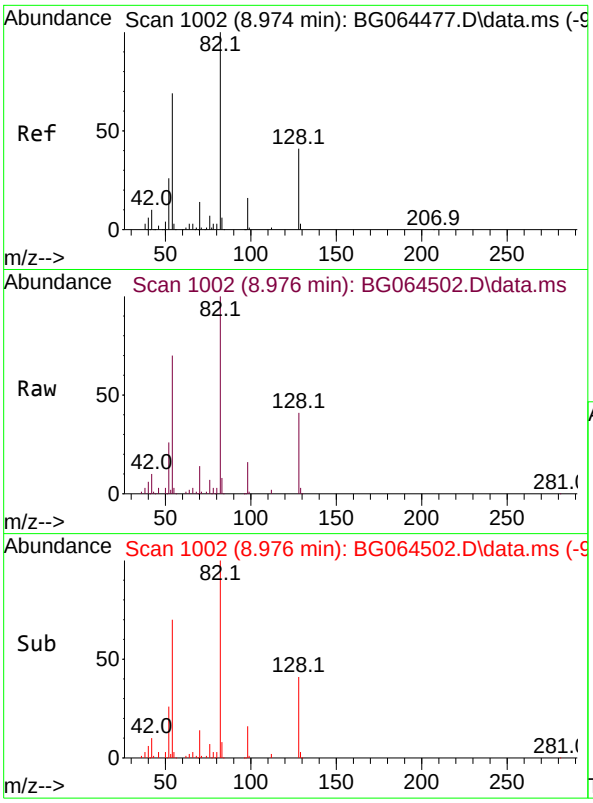


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 1280
Delta R.T. 0.004 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

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



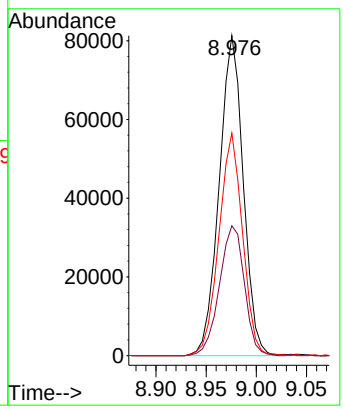


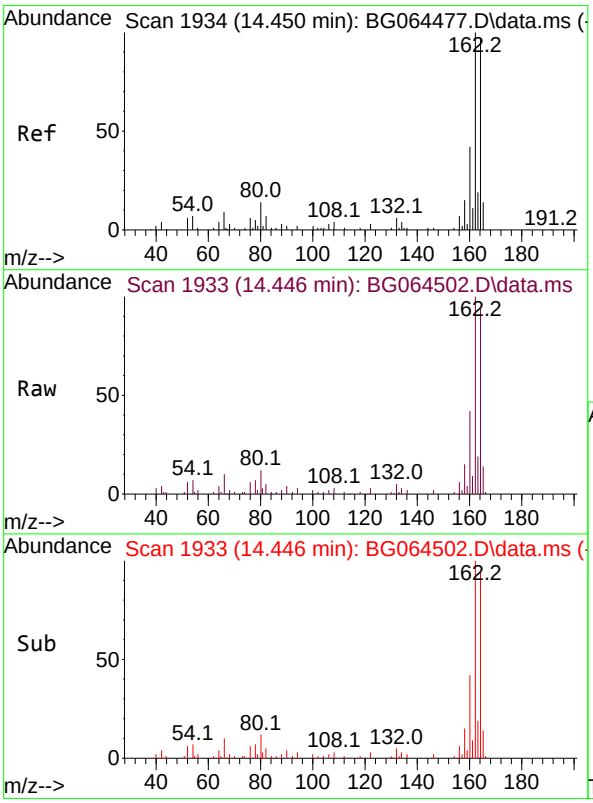
#23
Nitrobenzene-d5
Concen: 107.817 ng
RT: 8.976 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

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

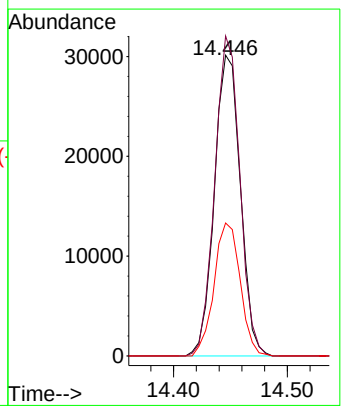


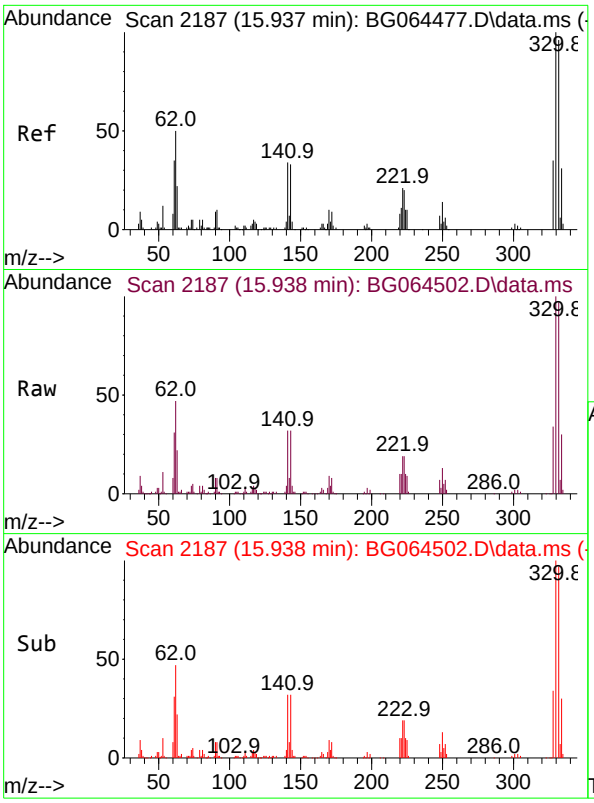


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

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



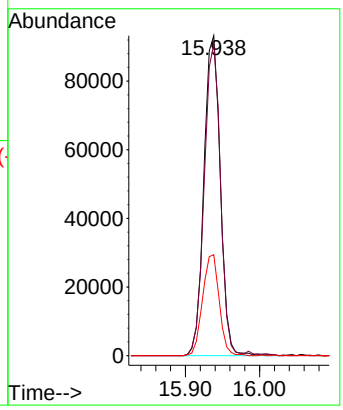


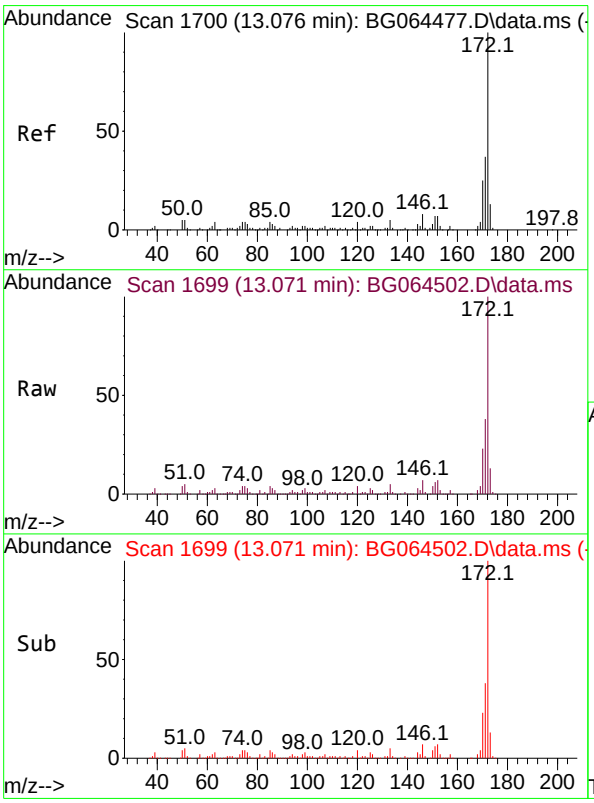
#42
2,4,6-Tribromophenol
Concen: 165.242 ng
RT: 15.938 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

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

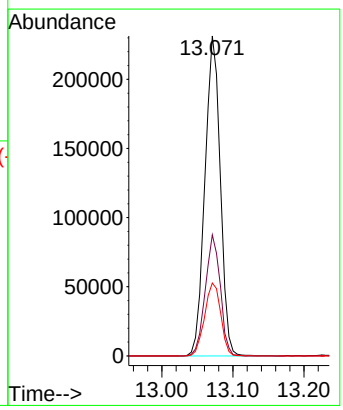


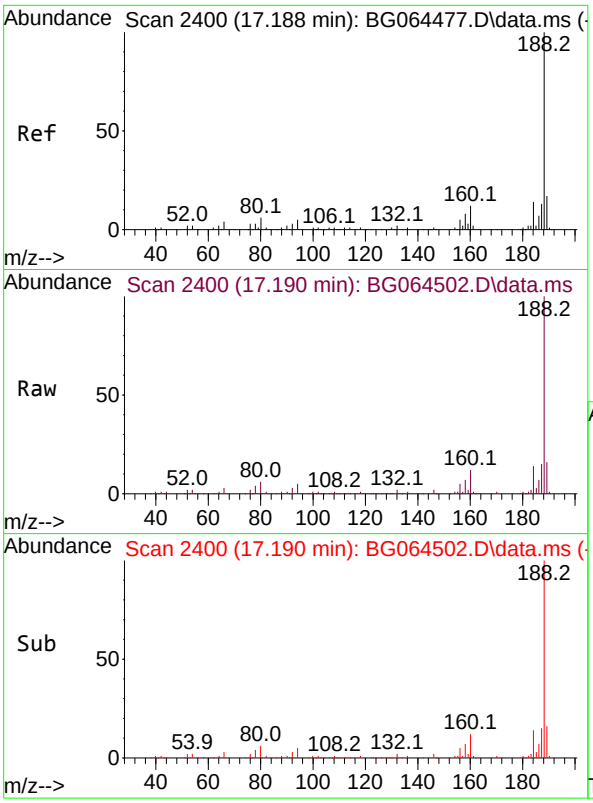


#45
2-Fluorobiphenyl
Concen: 106.842 ng
RT: 13.071 min Scan# 1699
Delta R.T. 0.004 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

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



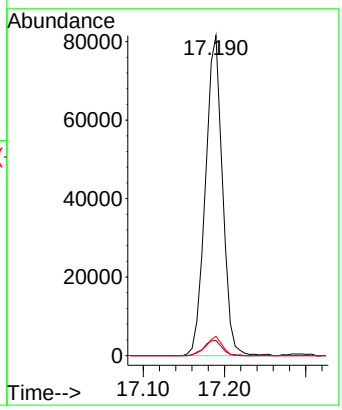


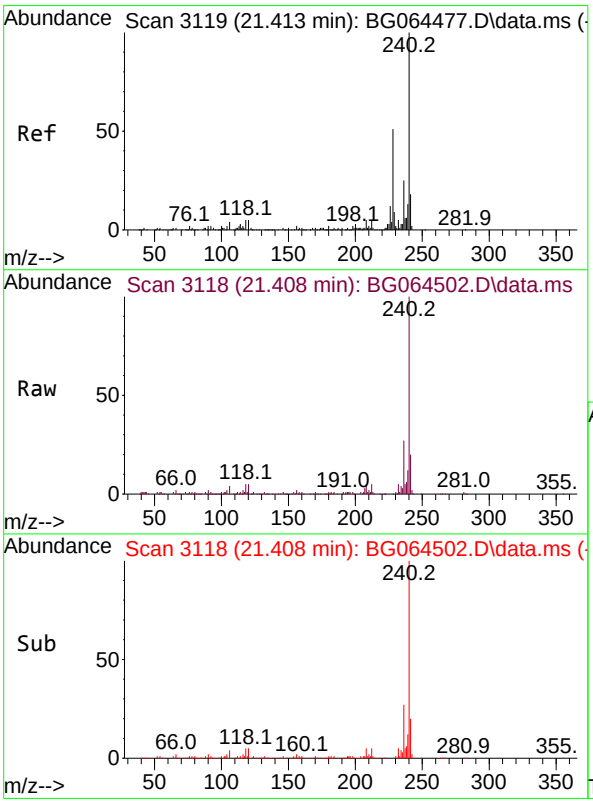
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

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

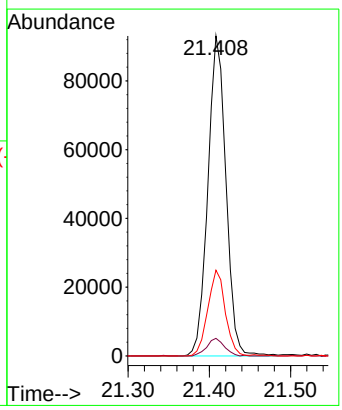


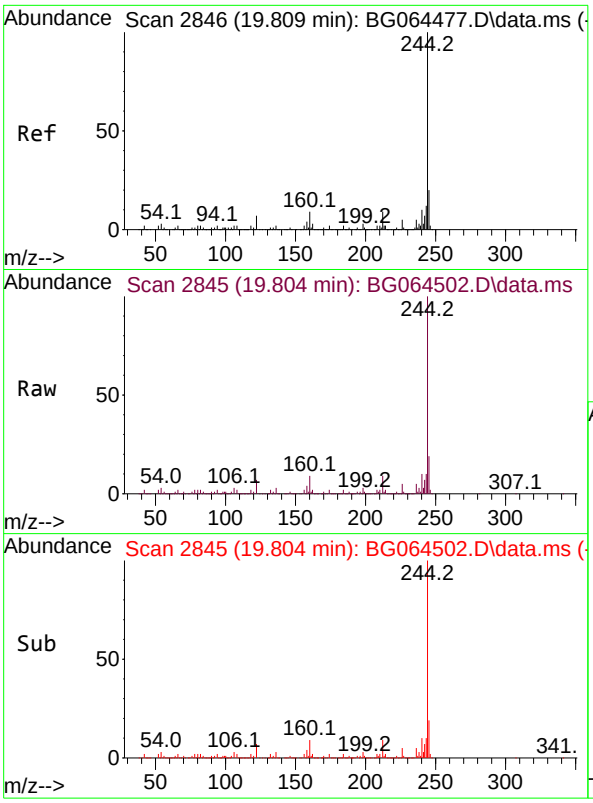


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.408 min Scan# 3118
Delta R.T. -0.002 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

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



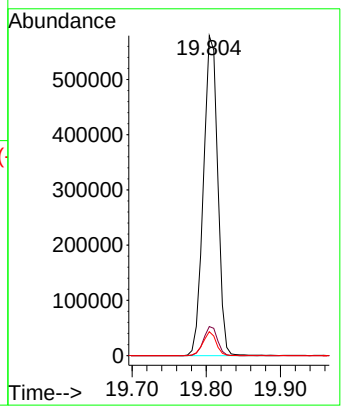


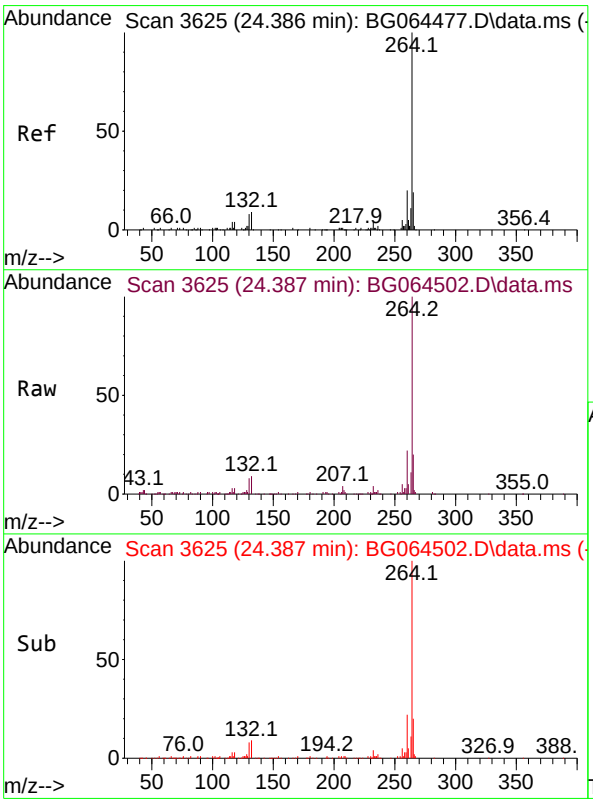
#79
Terphenyl-d14
Concen: 101.663 ng
RT: 19.804 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

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

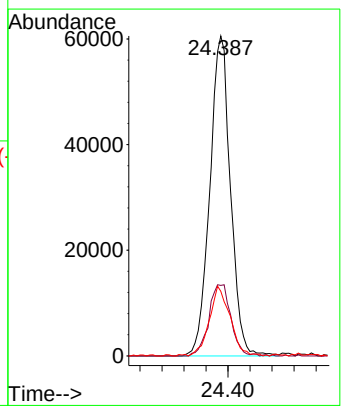




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.387 min Scan# 3625
Delta R.T. -0.002 min
Lab File: BG064502.D
Acq: 14 Oct 2025 16:12

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

Response Factor Report GC/MS Ins

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 =BG0644
80.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)		Butylbenzylpht...	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

Quantitation Report (QT Reviewed)

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

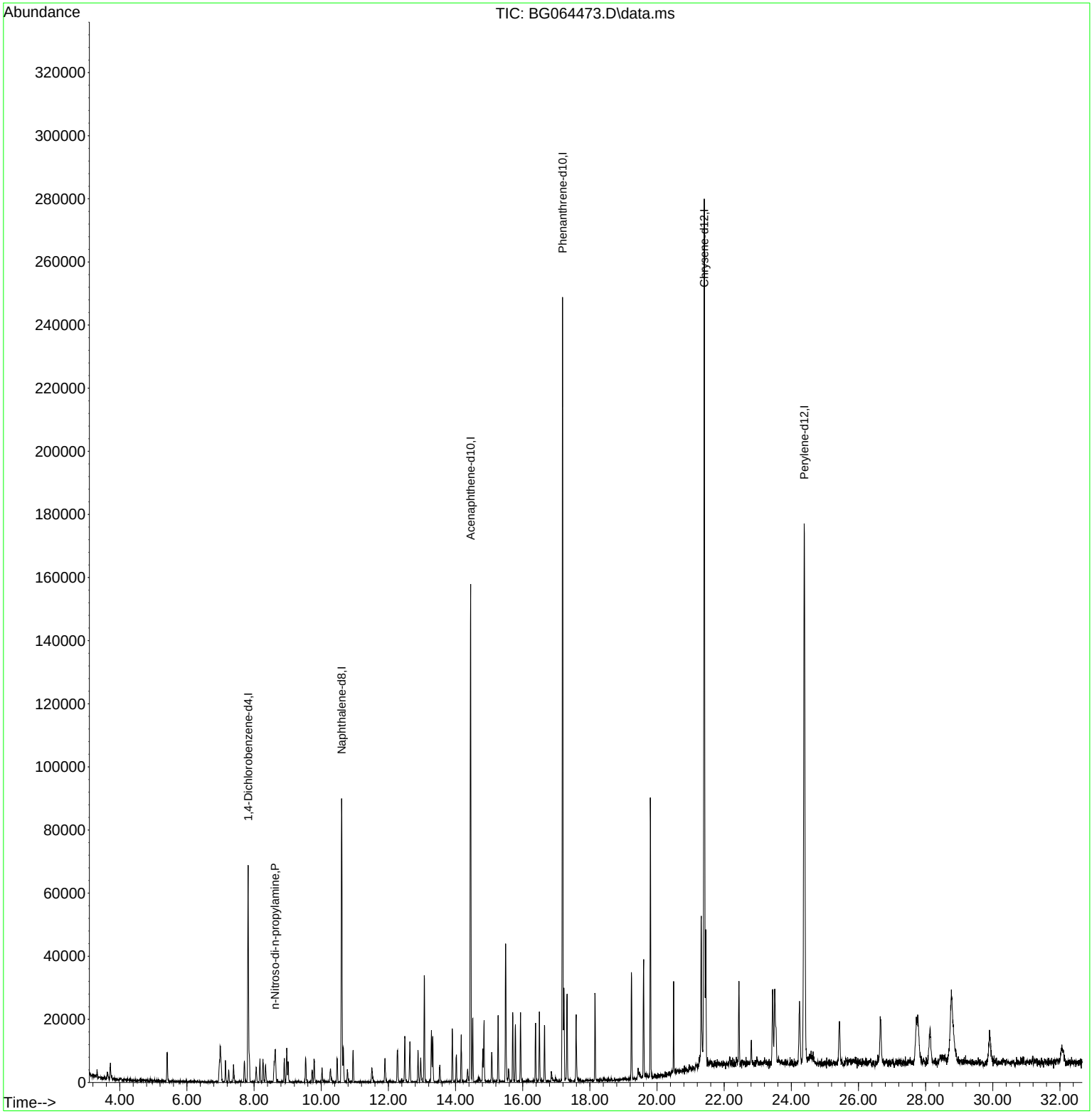
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	17107	20.000	ng	0.00
21) Naphthalene-d8	10.608	136	71471	20.000	ng	0.00
39) Acenaphthene-d10	14.450	164	55395	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	147655	20.000	ng	0.00
76) Chrysene-d12	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

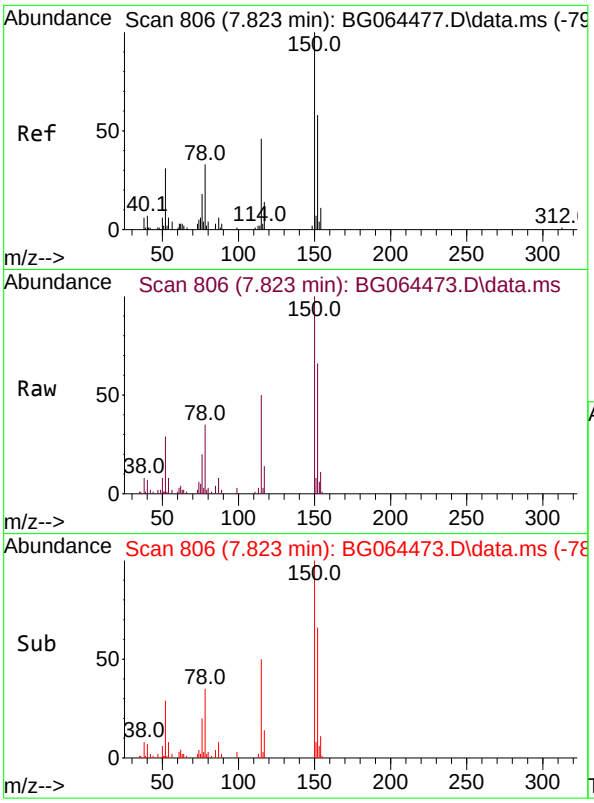
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



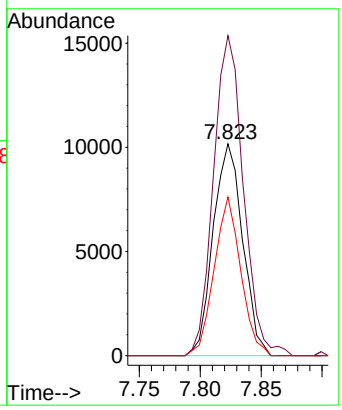


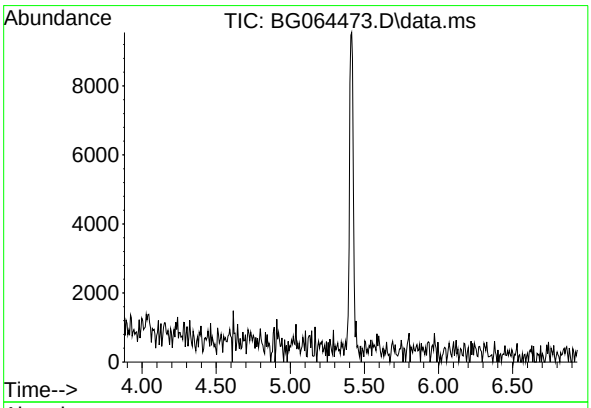
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 17107

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



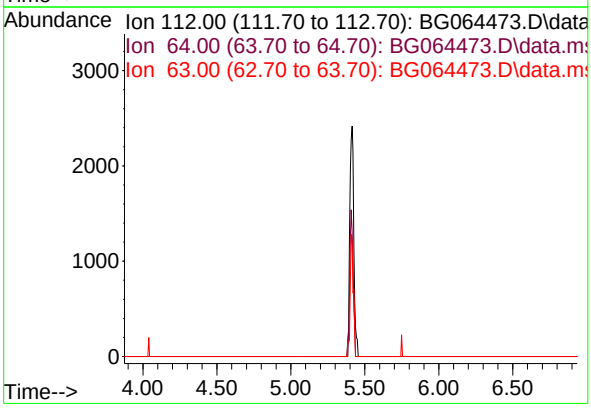


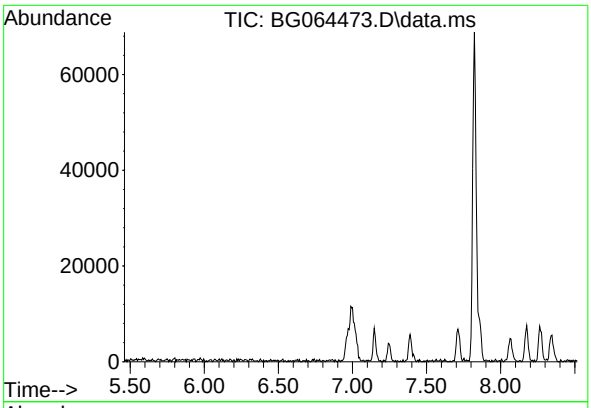
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	62.3
63	39.1





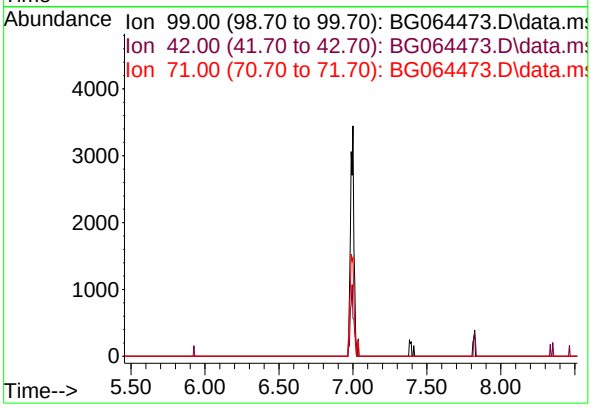
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.99 min

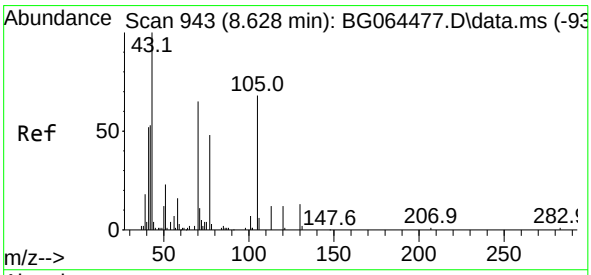
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	28.6
71	44.3

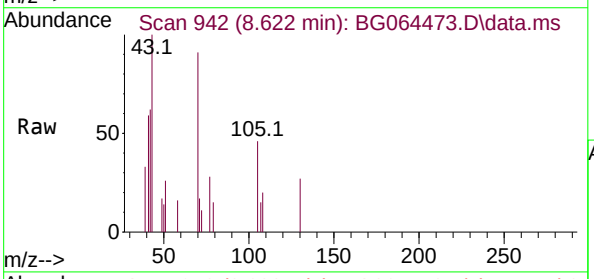


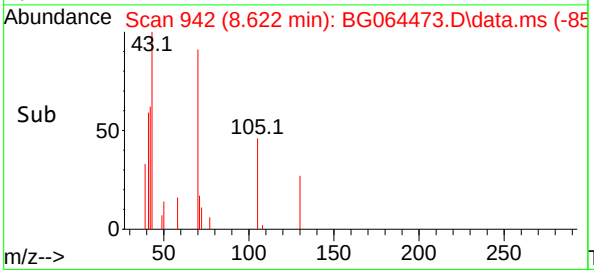


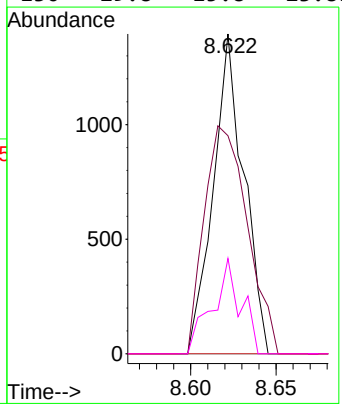
#19
n-Nitroso-di-n-propylamine
Concen: 2.093 ng
RT: 8.622 min Scan# 942
Delta R.T. 0.008 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

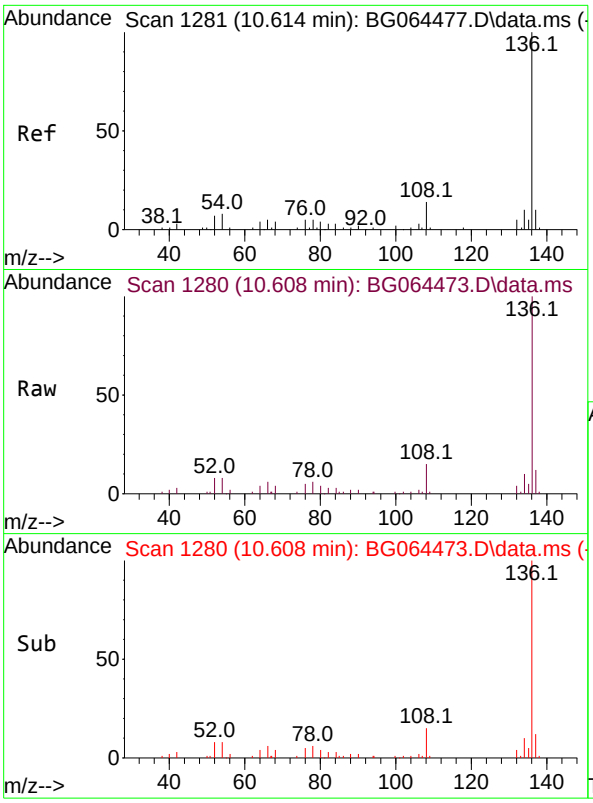
Tgt Ion: 70 Resp: 1739

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#







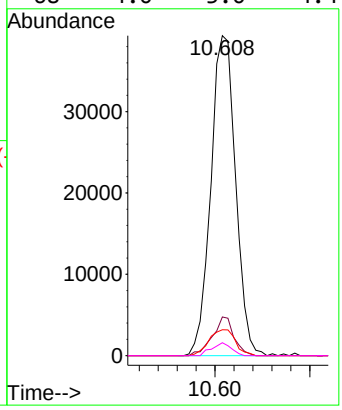


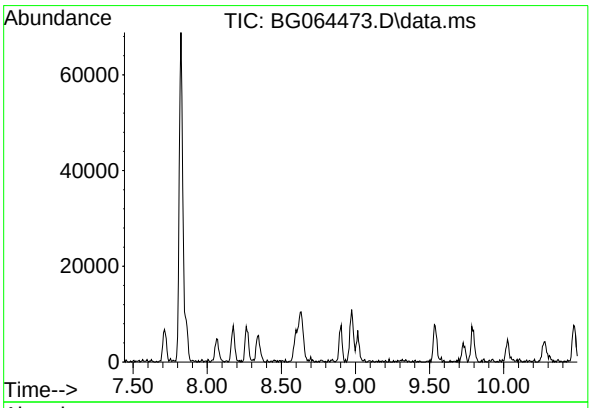
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

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



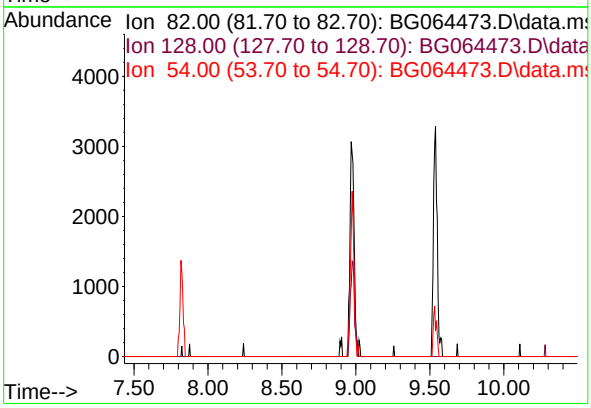


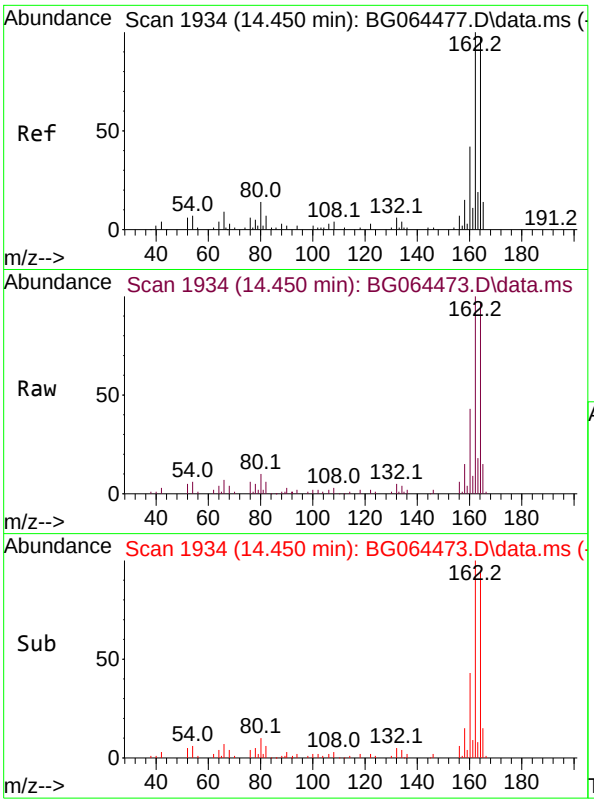
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.97 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.4
54	69.3



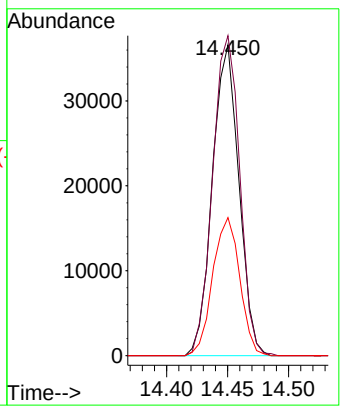


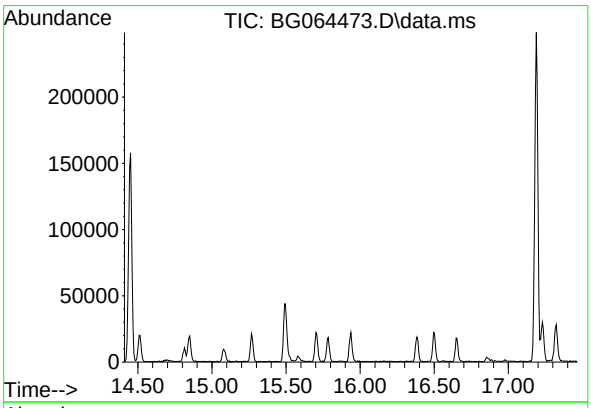
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.450 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

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



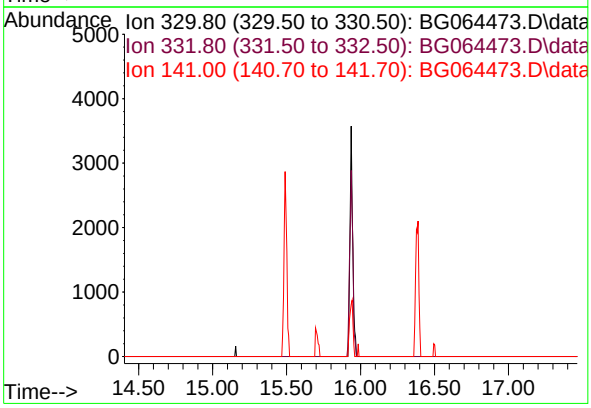


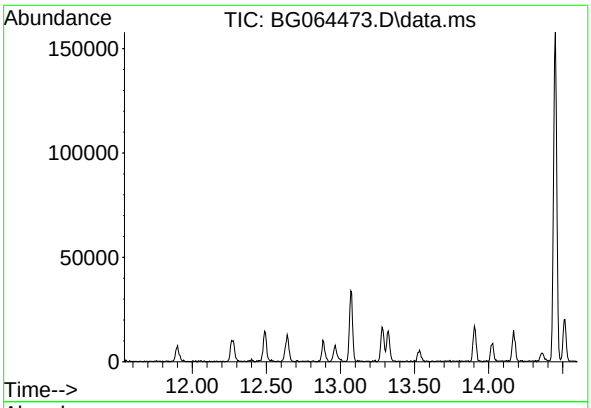
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.93 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.7
141	32.2





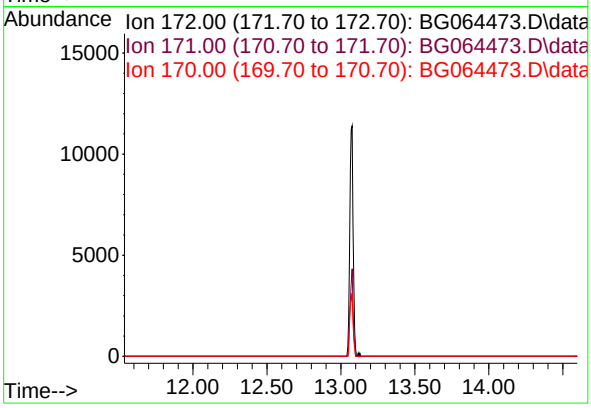
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.07 min

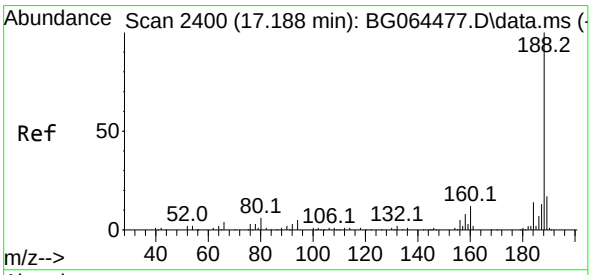
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

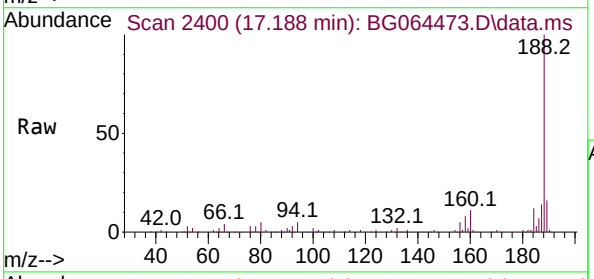
Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

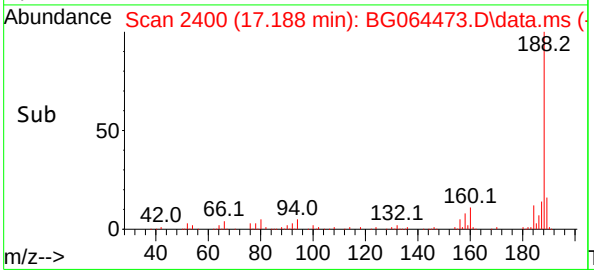
Tgt Ion: 172

Sig	Exp Ratio
172	100
171	37.0
170	25.2





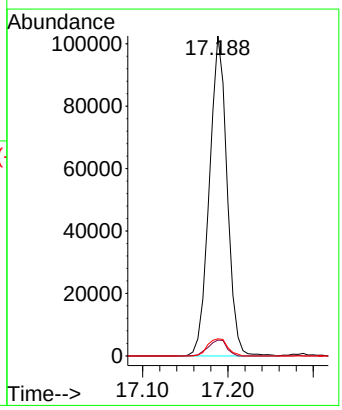


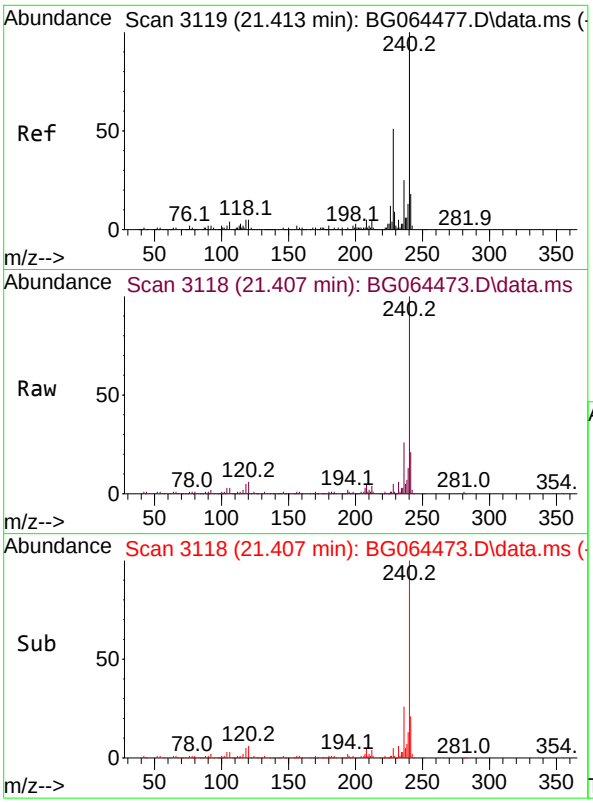


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 2400
Delta R.T. 0.002 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

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



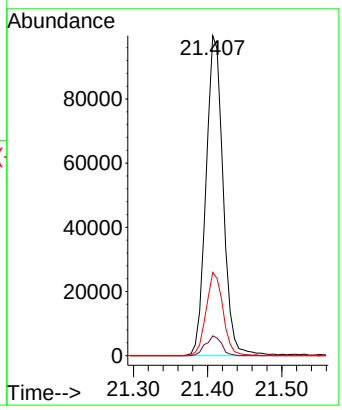


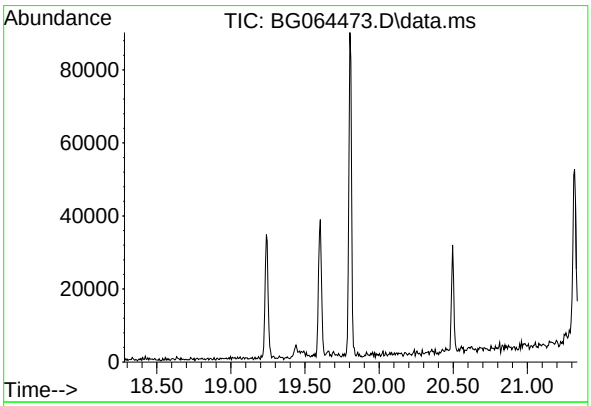
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.407 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

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



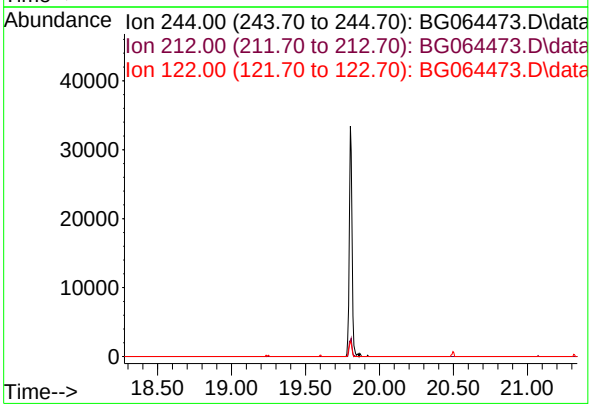


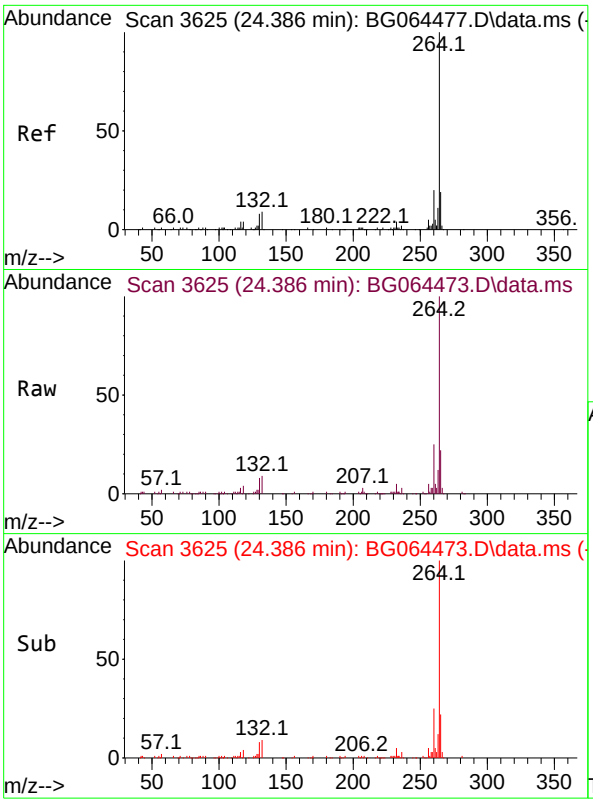
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.81 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	8.8
122	7.0



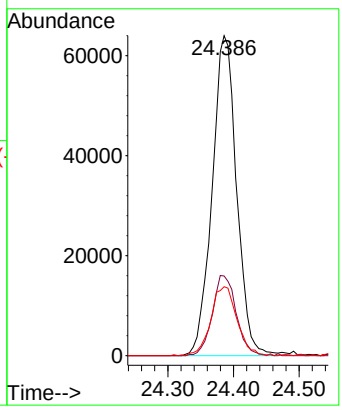


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.386 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064473.D
Acq: 2 Oct 2025 9:01

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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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

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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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

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

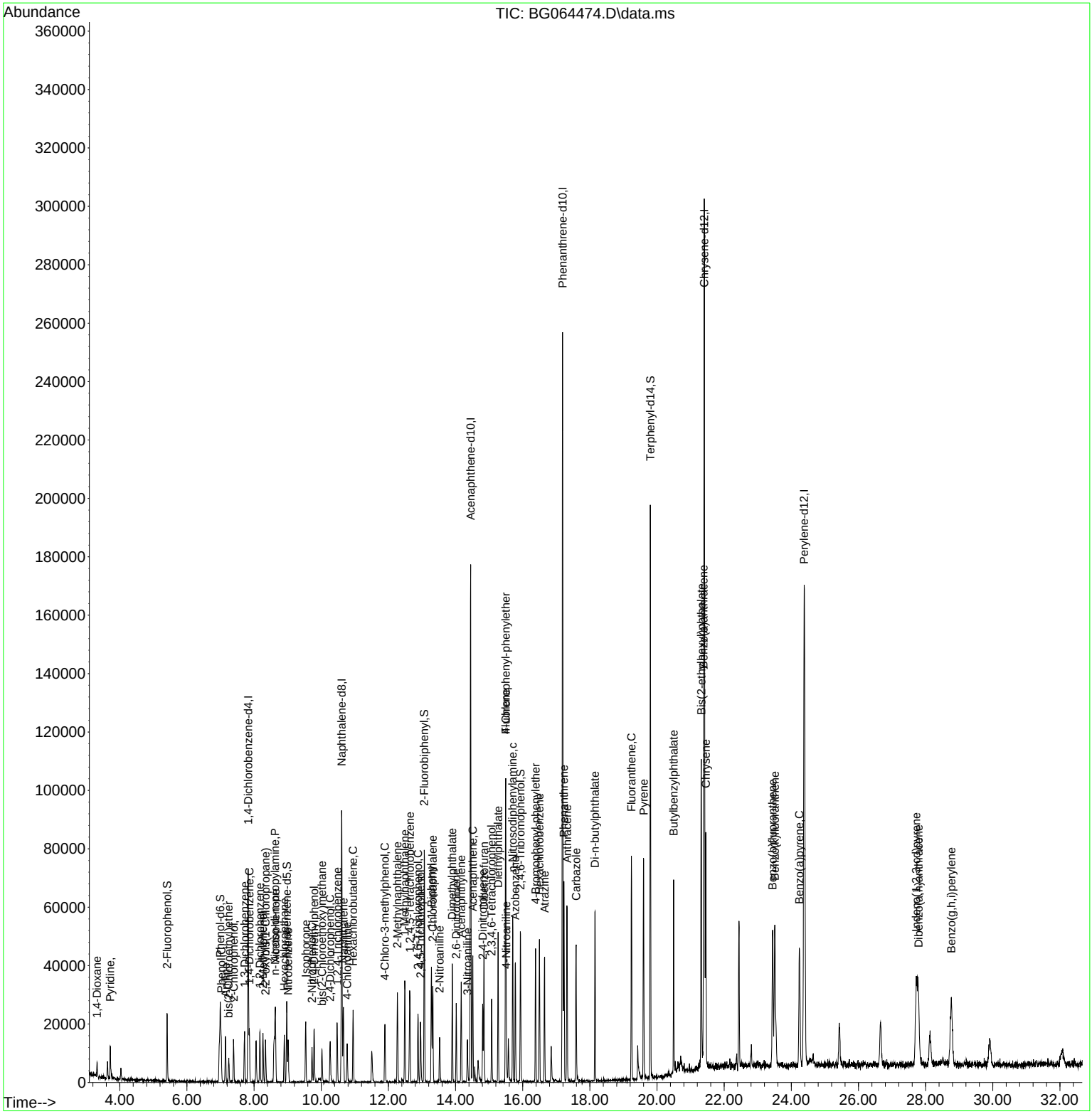
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064474.D
Acq On : 2 Oct 2025 9:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

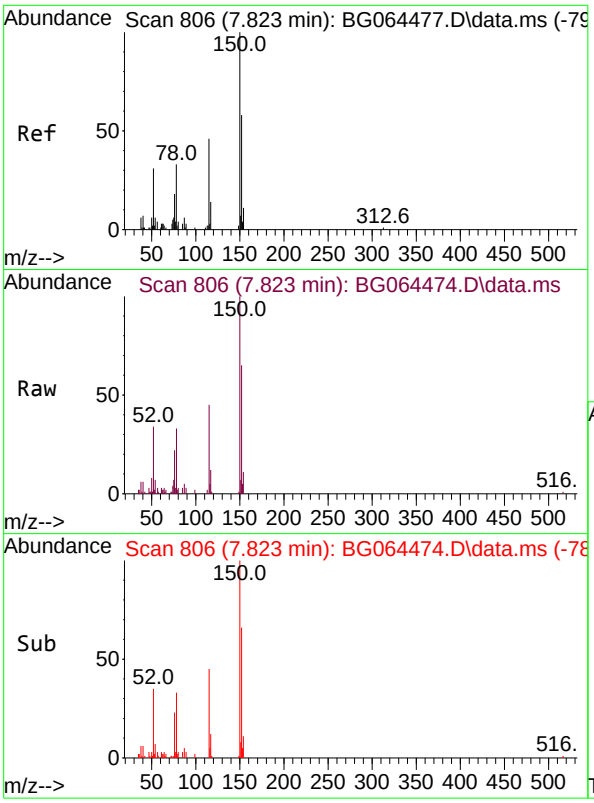
Quant Time: Oct 02 16:52:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

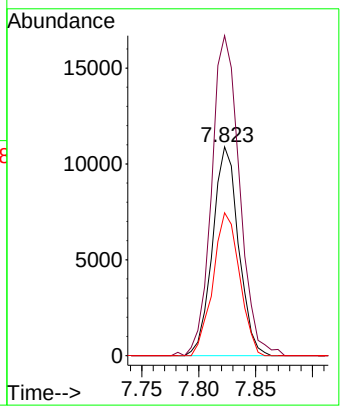




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:152 Resp: 17301

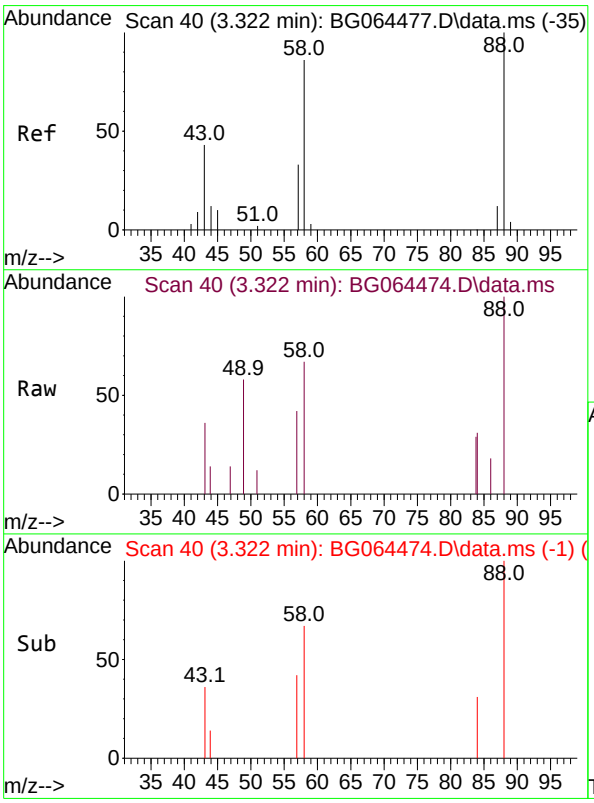
Ion	Ratio	Lower	Upper
152	100		
150	153.3	138.6	207.8
115	68.4	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

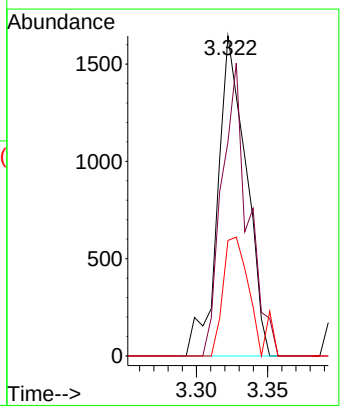
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

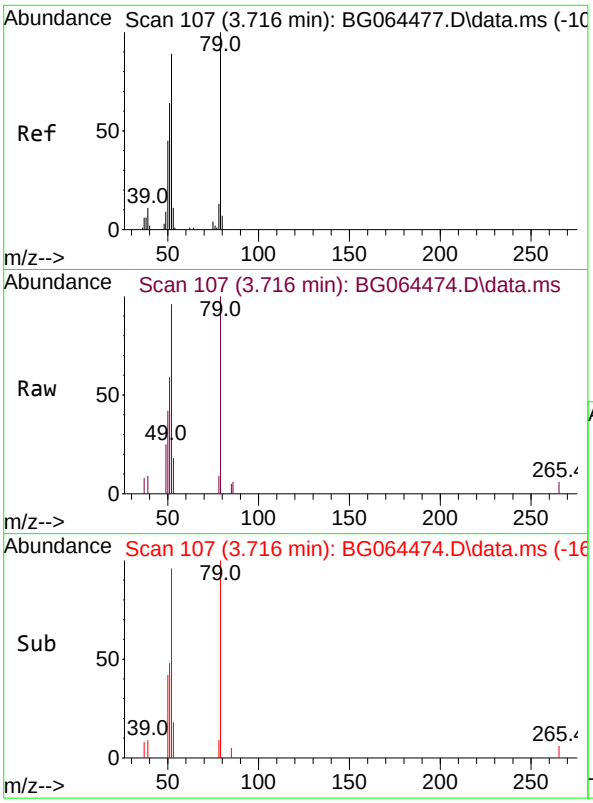


#2
1,4-Dioxane
Concen: 6.201 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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#

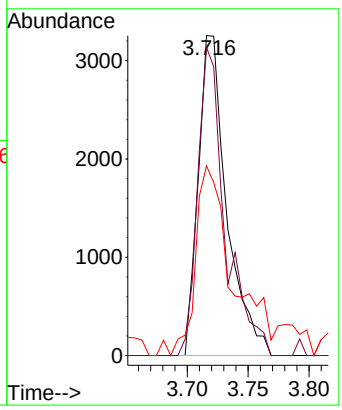




#3
Pyridine
Concen: 5.333 ng
RT: 3.716 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 79 Resp: 530

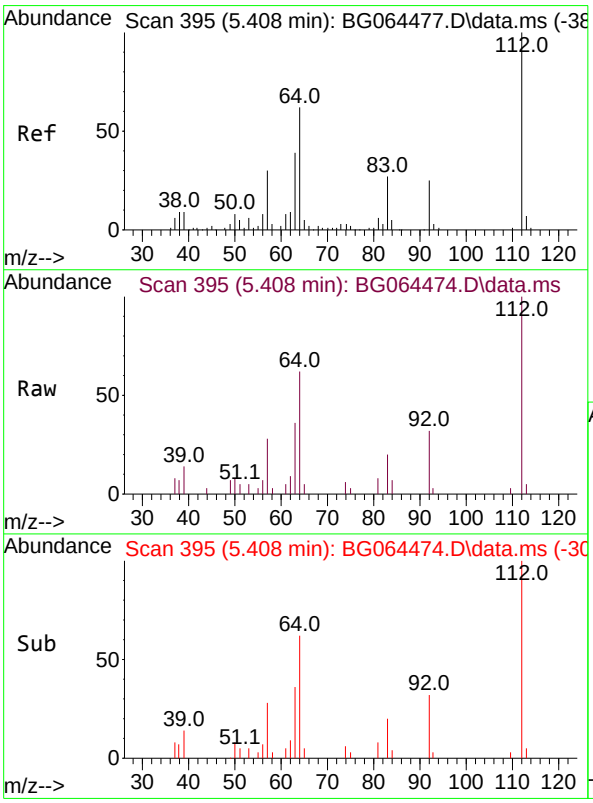
Ion	Ratio	Lower	Upper
79	100		
52	96.3	71.0	106.4
51	59.3	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

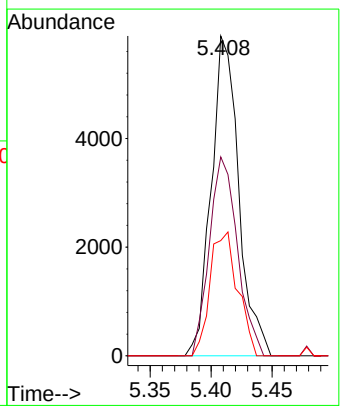
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

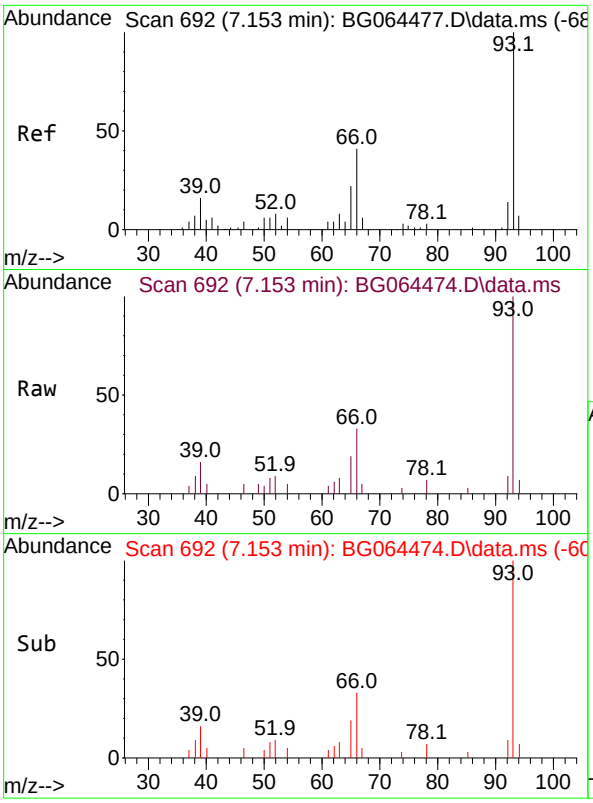


#5
2-Fluorophenol
Concen: 9.863 ng
RT: 5.408 min Scan# 395
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

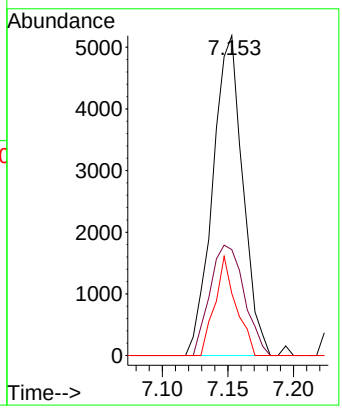




#6
Aniline
Concen: 5.221 ng
RT: 7.153 min Scan# 69
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 93 Resp: 827

Ion	Ratio	Lower	Upper
93	100		
66	33.1	33.0	49.4
65	19.4	17.5	26.3



Instrument :
BNA_G
ClientSampleId :
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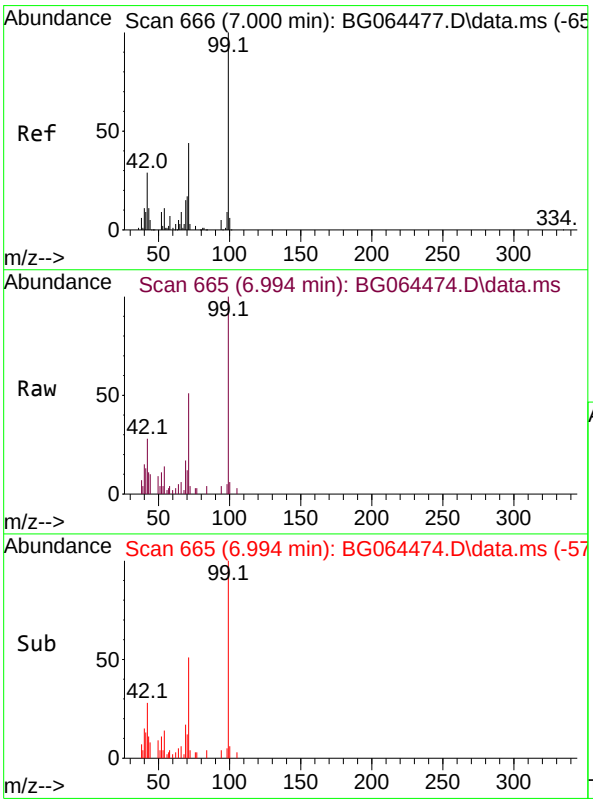
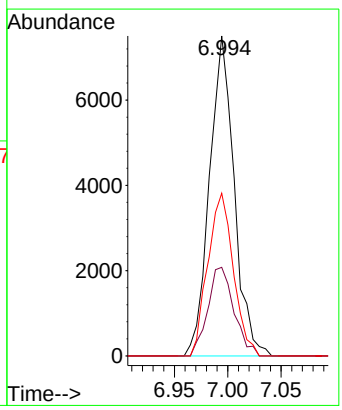
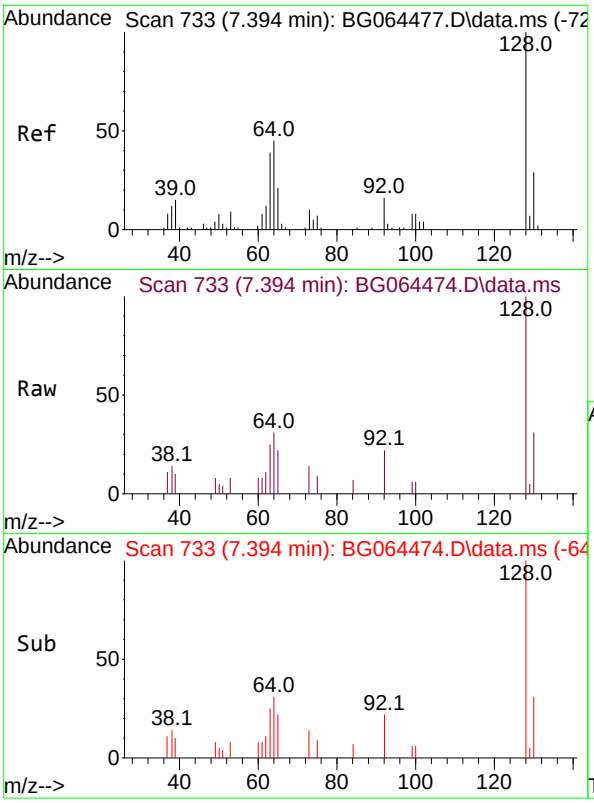


#7
Phenol-d6
Concen: 9.607 ng
RT: 6.994 min Scan# 665
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

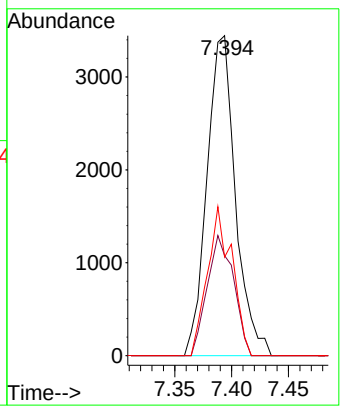




#8
2-Chlorophenol
Concen: 5.227 ng
RT: 7.394 min Scan# 7
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:128 Resp: 600

Ion	Ratio	Lower	Upper
128	100		
130	31.3	9.2	49.2
64	30.8	25.5	65.5



Instrument :
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ClientSampleId :
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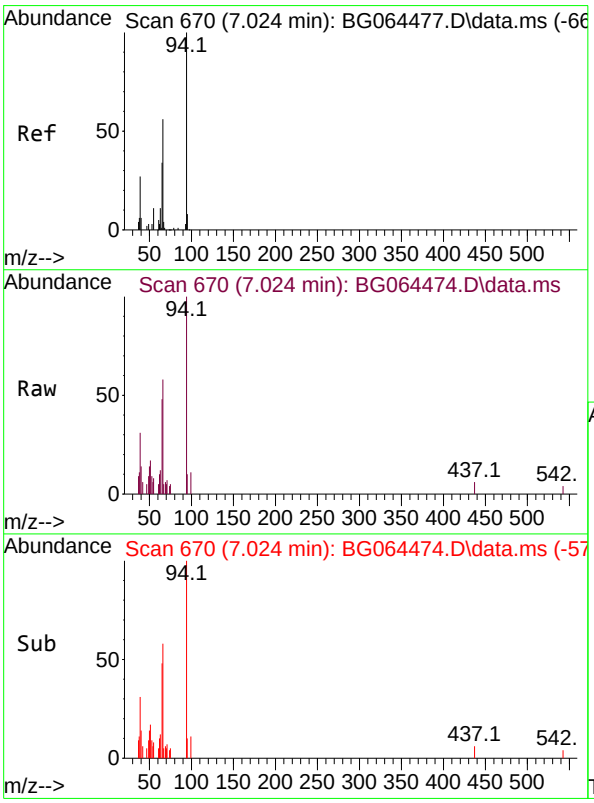
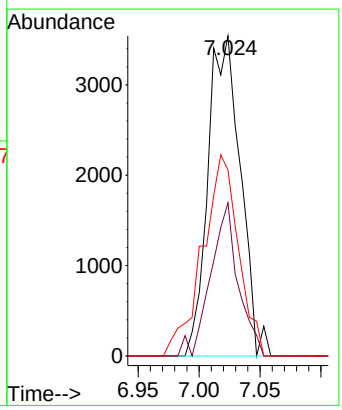
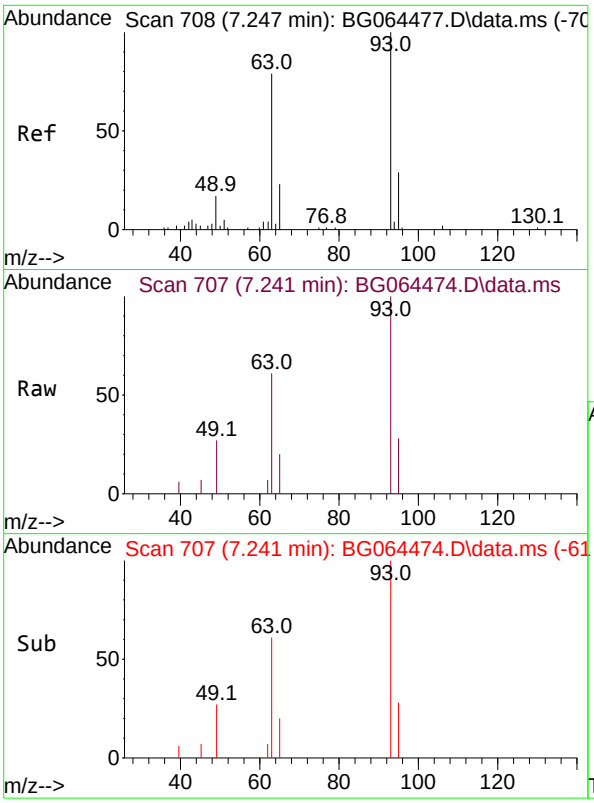


#10
Phenol
Concen: 4.953 ng
RT: 7.024 min Scan# 670
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

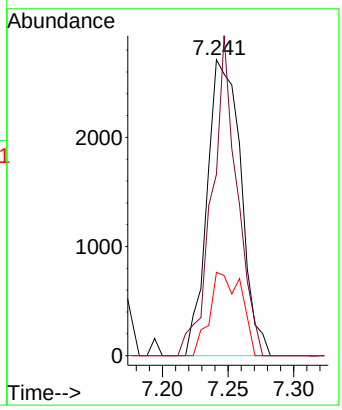




#11
bis(2-Chloroethyl)ether
Concen: 5.384 ng
RT: 7.241 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 93 Resp: 483

Ion	Ratio	Lower	Upper
93	100		
63	61.2	59.5	99.5
95	28.2	8.8	48.8



Instrument :
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ClientSampleId :
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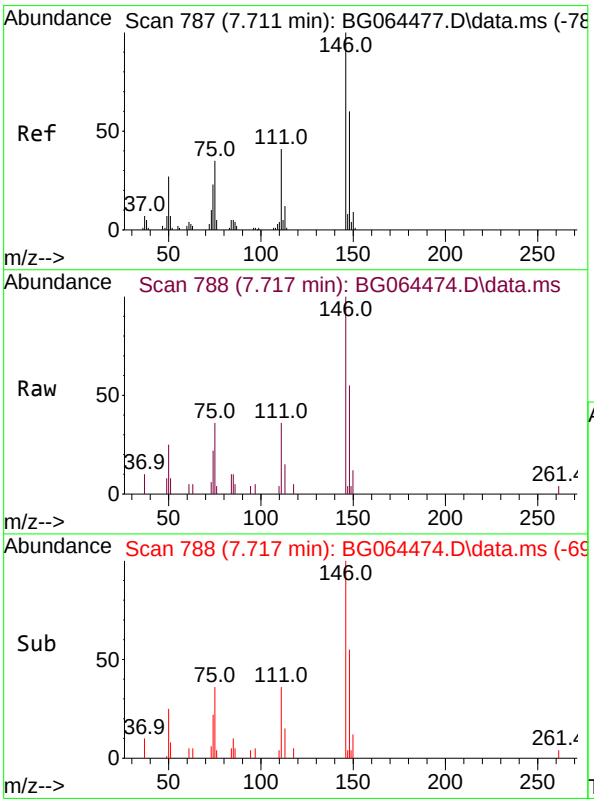
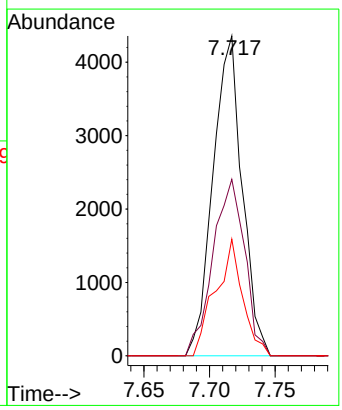
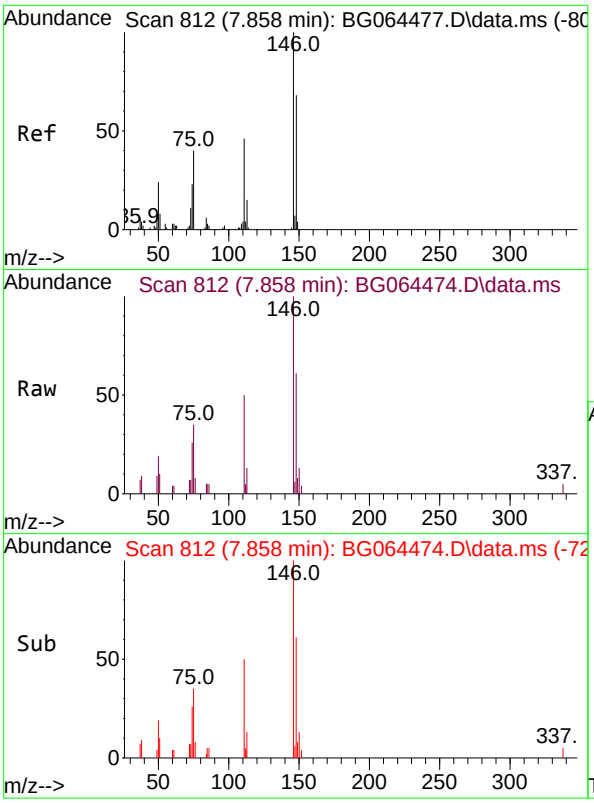


#12
1,3-Dichlorobenzene
Concen: 5.367 ng
RT: 7.717 min Scan# 788
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

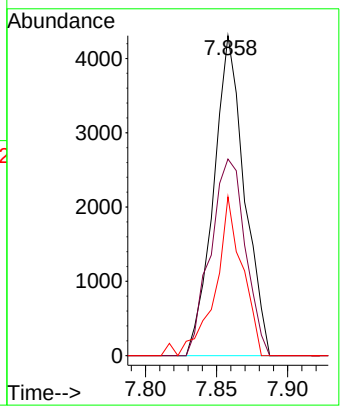




#13
1,4-Dichlorobenzene
Concen: 5.169 ng
RT: 7.858 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:146 Resp: 651

Ion	Ratio	Lower	Upper
146	100		
148	61.4	54.4	81.6
111	54.2	36.5	54.7



Instrument :
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ClientSampleId :
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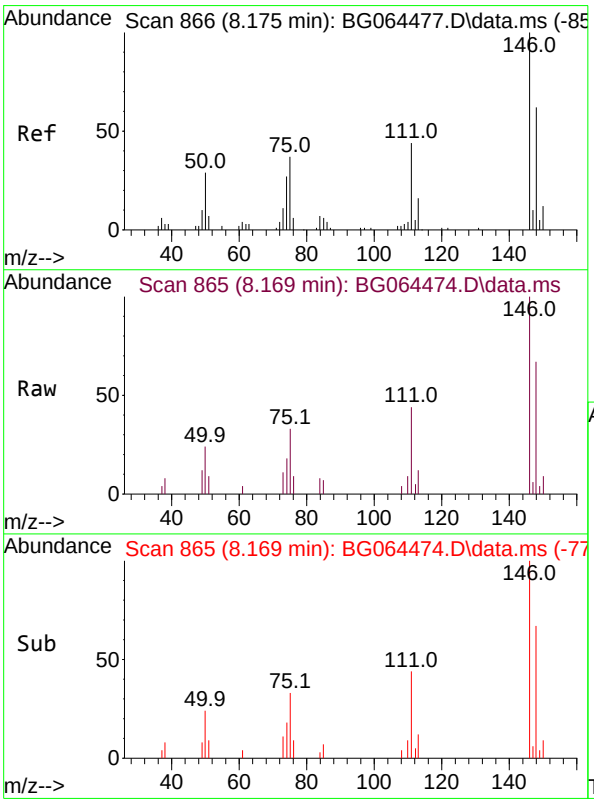
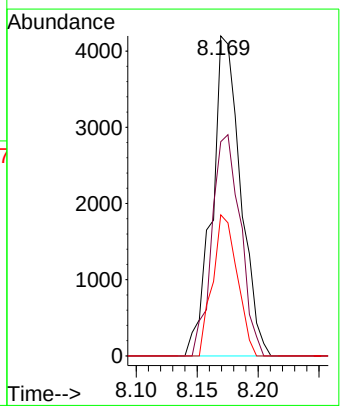
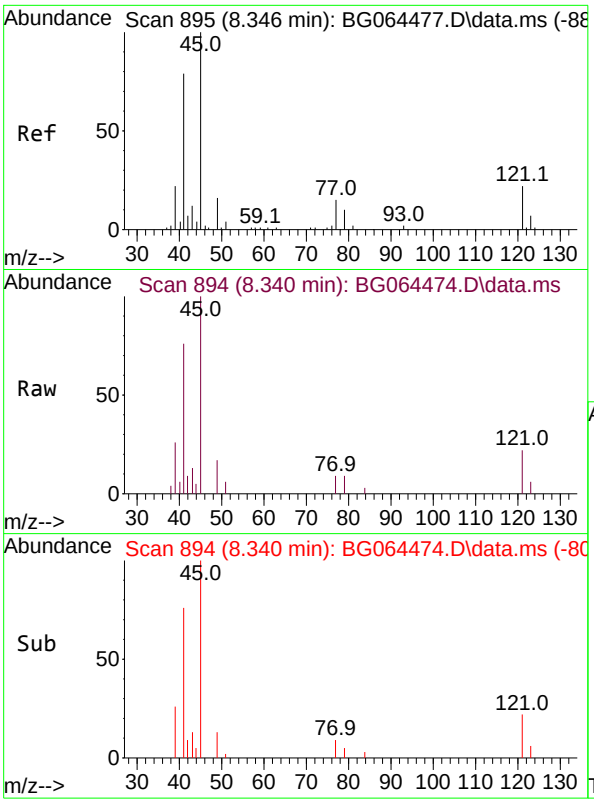


#14
1,2-Dichlorobenzene
Concen: 5.512 ng
RT: 8.169 min Scan# 865
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

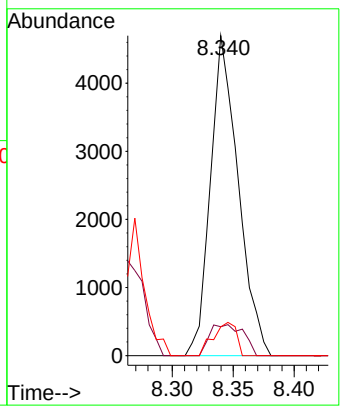




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.144 ng
RT: 8.340 min Scan# 89
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 45 Resp: 7441

Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	35.6
79	9.0	0.0	30.7



Instrument :
BNA_G
ClientSampleId :
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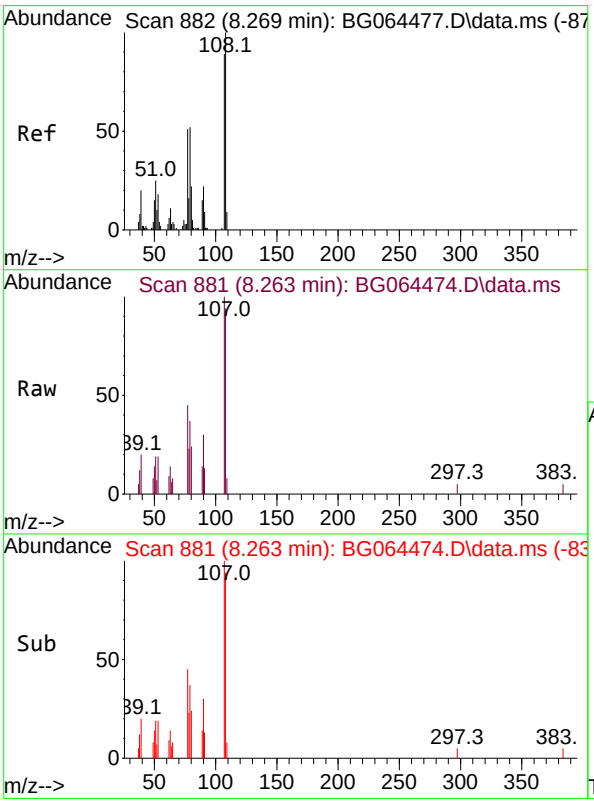
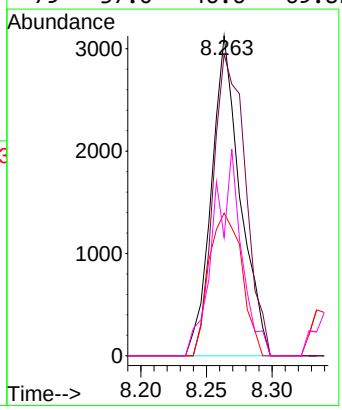
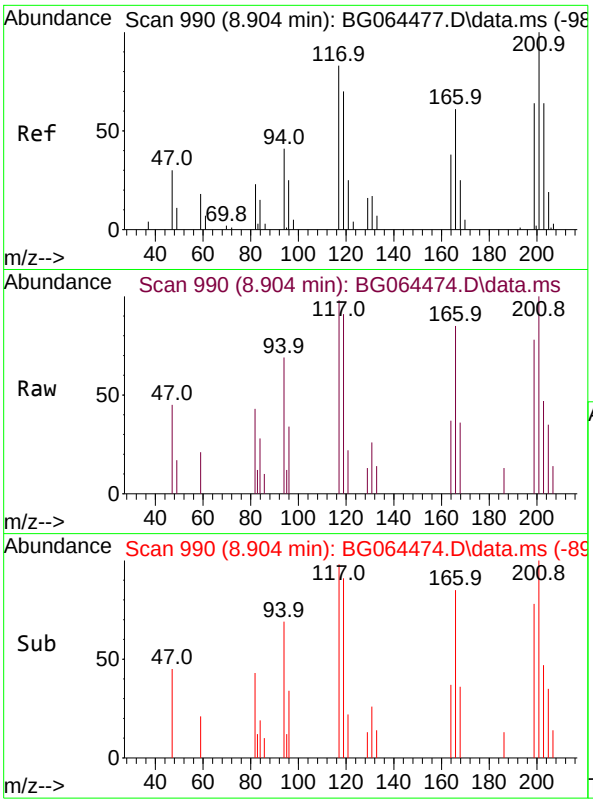


#17
2-Methylphenol
Concen: 4.981 ng
RT: 8.263 min Scan# 881
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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#

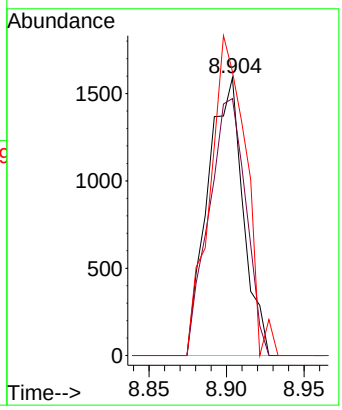




#18
Hexachloroethane
Concen: 5.094 ng
RT: 8.904 min Scan# 99
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:117 Resp: 253

Ion	Ratio	Lower	Upper
117	100		
119	92.5	67.4	101.0
201	102.2	95.9	143.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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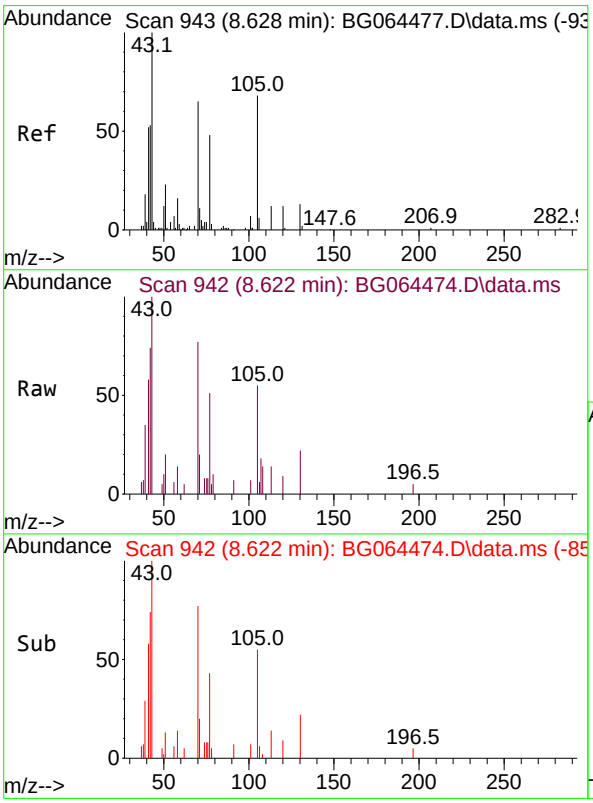
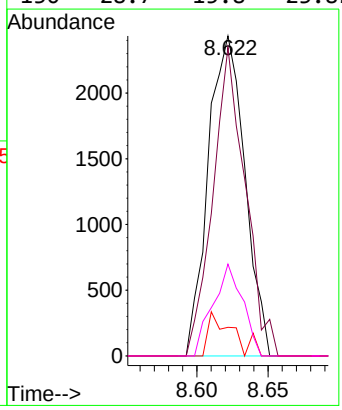
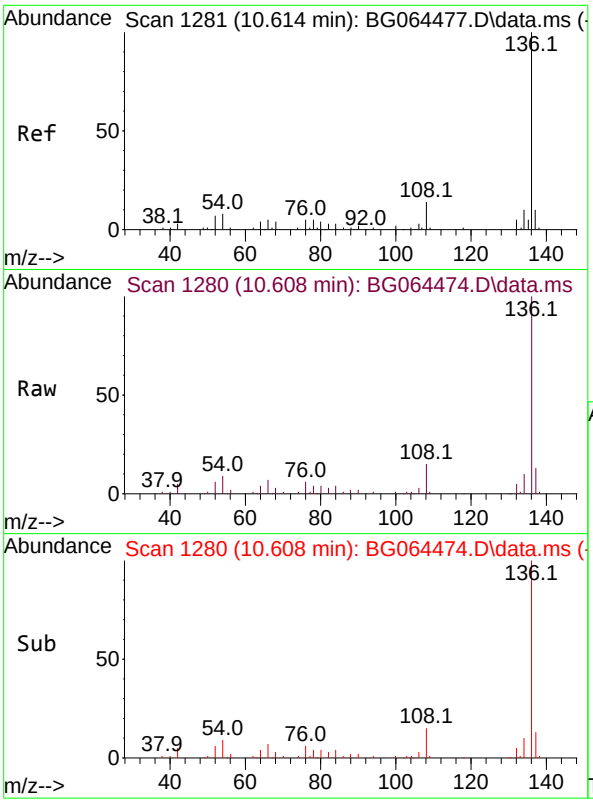


#19
n-Nitroso-di-n-propylamine
Concen: 5.192 ng
RT: 8.622 min Scan# 942
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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#

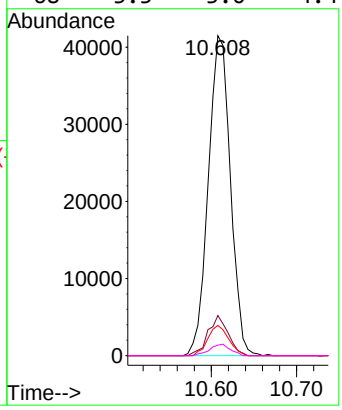




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:136 Resp: 7457

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



Instrument :
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ClientSampleId :
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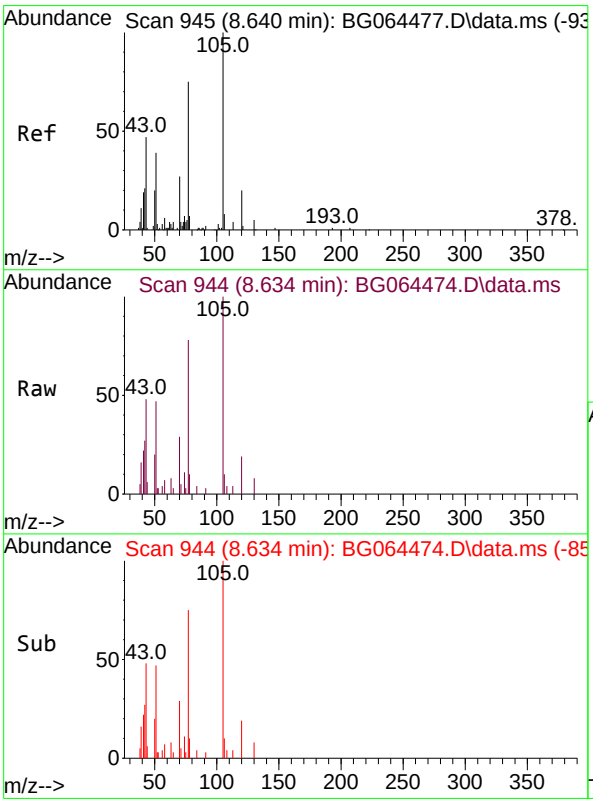
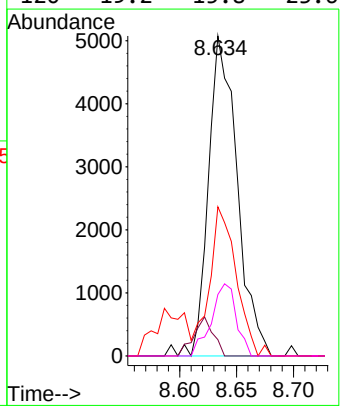
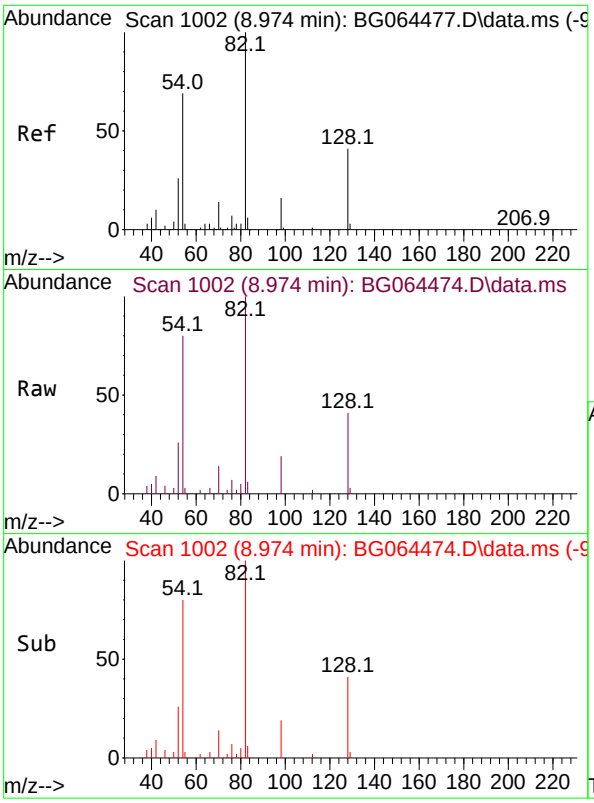


#22
Acetophenone
Concen: 4.917 ng
RT: 8.634 min Scan# 944
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

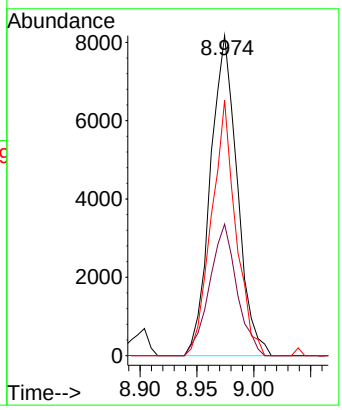




#23
Nitrobenzene-d5
Concen: 9.673 ng
RT: 8.974 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 82 Resp: 1341

Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.1	49.7
54	79.8	55.4	83.2



Instrument :
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ClientSampleId :
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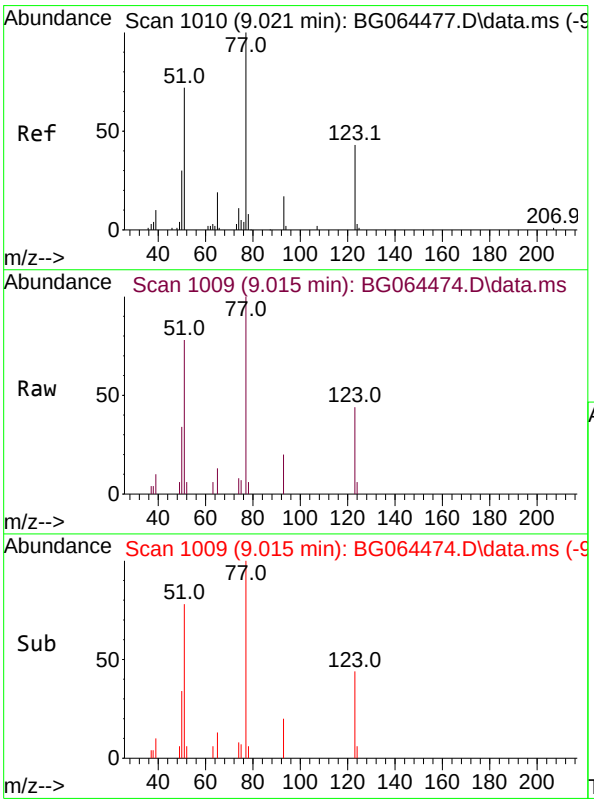
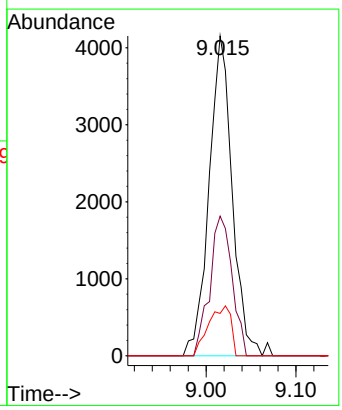
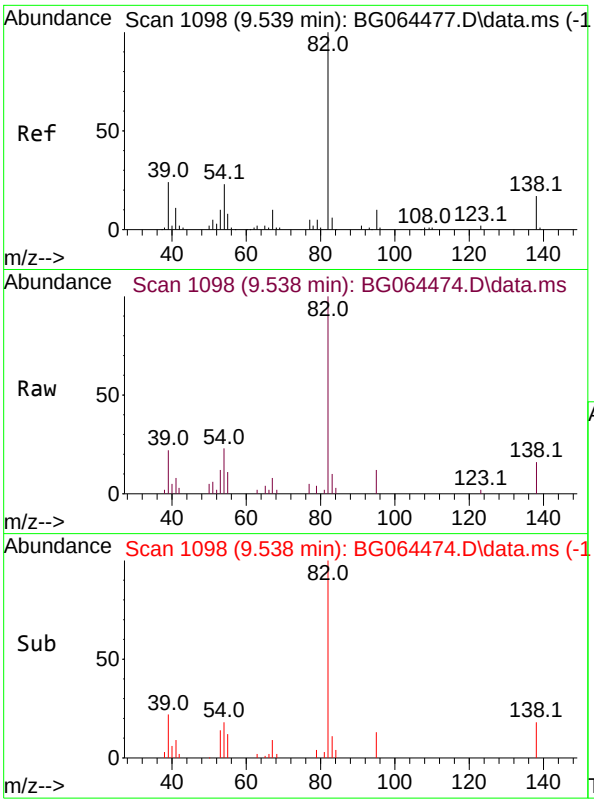


#24
Nitrobenzene
Concen: 5.426 ng
RT: 9.015 min Scan# 1009
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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#

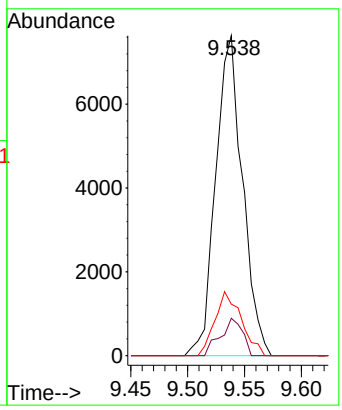




#25
Isophorone
Concen: 4.984 ng
RT: 9.538 min Scan# 10
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion: 82 Resp: 1252

Ion	Ratio	Lower	Upper
82	100		
95	11.7	7.8	11.8
138	16.1	13.8	20.6



Instrument :
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ClientSampleId :
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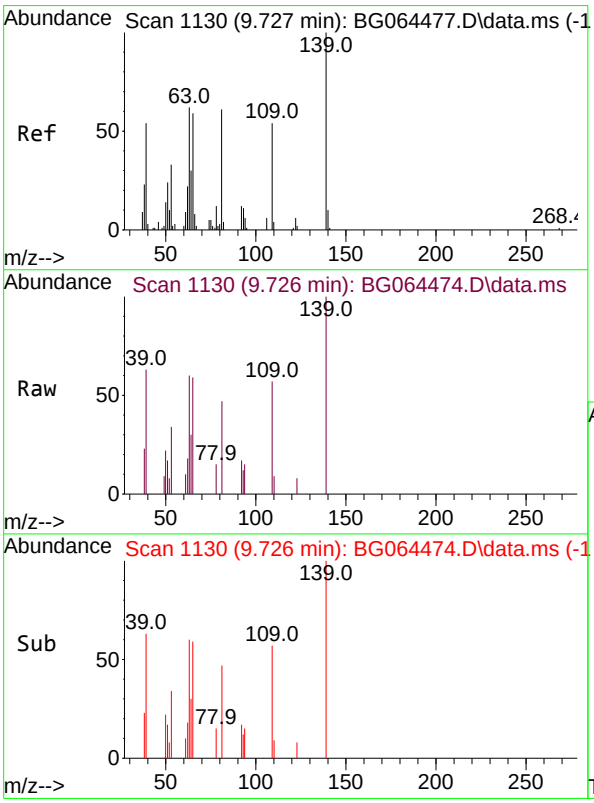
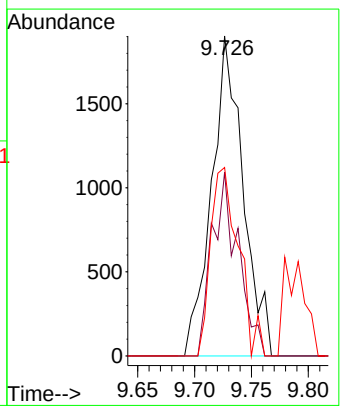
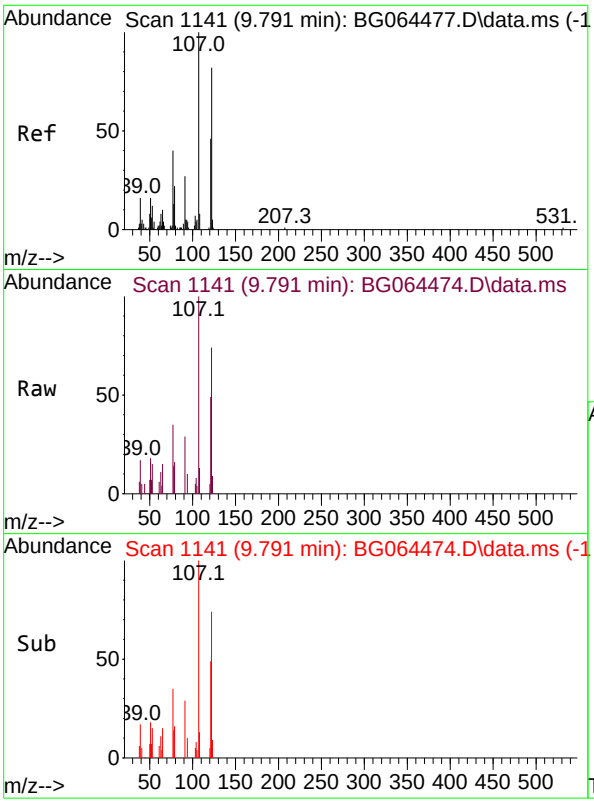


#26
2-Nitrophenol
Concen: 5.329 ng
RT: 9.726 min Scan# 1130
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

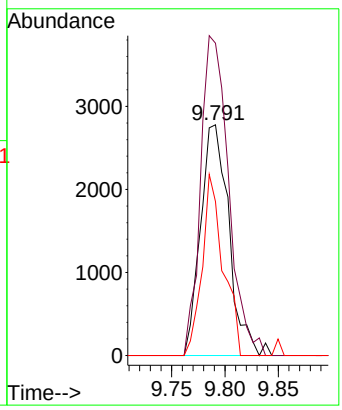




#27
2,4-Dimethylphenol
Concen: 4.903 ng
RT: 9.791 min Scan# 11
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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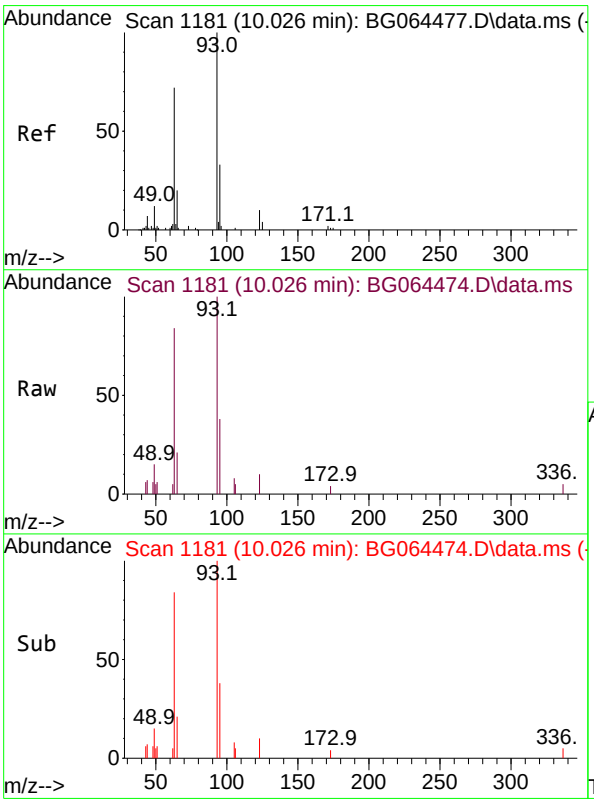
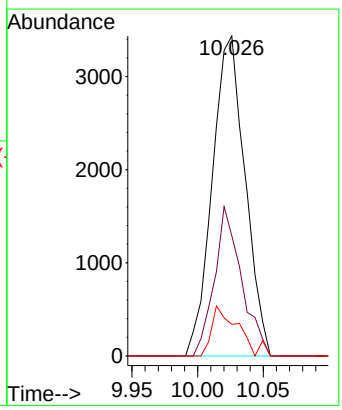
Supervised By :Jagrut Upadhyay 10/03/2025

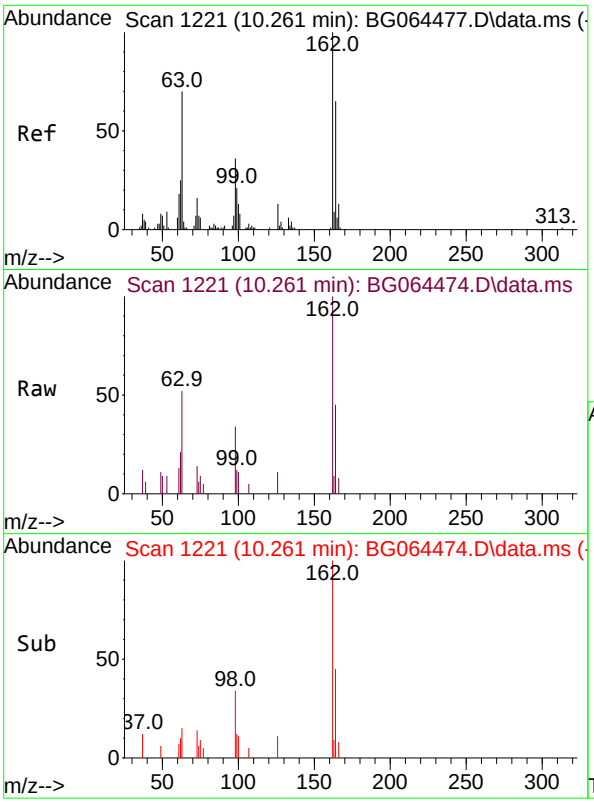


#28
bis(2-Chloroethoxy)methane
Concen: 4.662 ng
RT: 10.026 min Scan# 1181
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

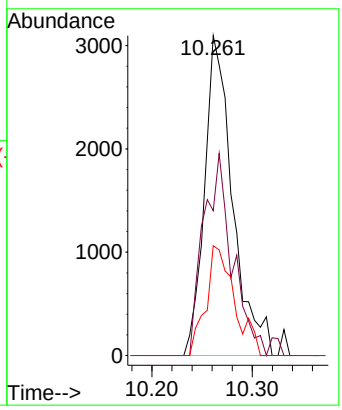




#29
2,4-Dichlorophenol
Concen: 4.959 ng
RT: 10.261 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:162 Resp: 602

Ion	Ratio	Lower	Upper
162	100		
164	45.3	45.4	85.4
98	34.3	16.4	56.4



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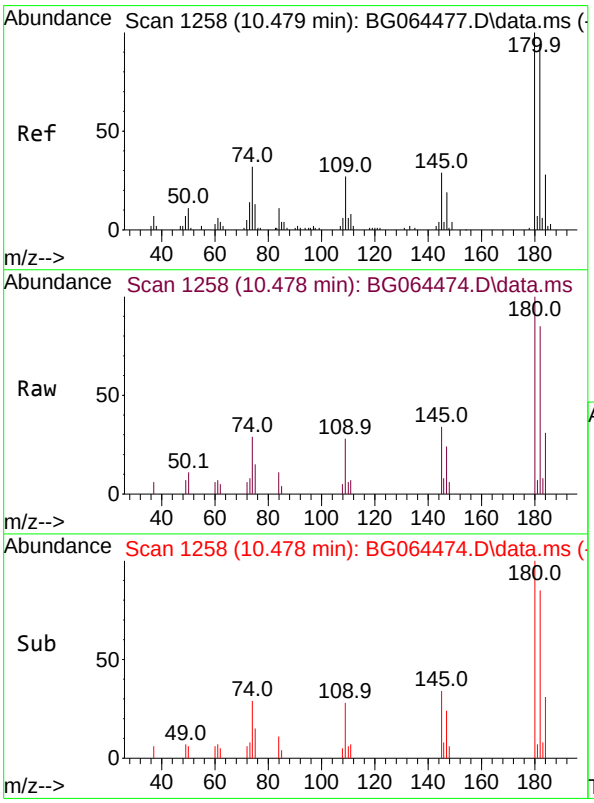
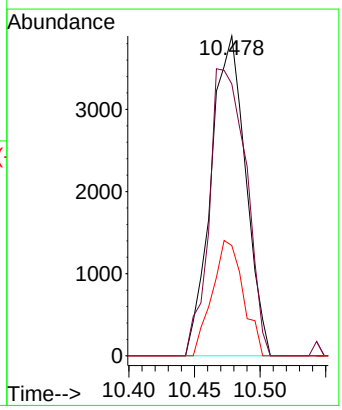
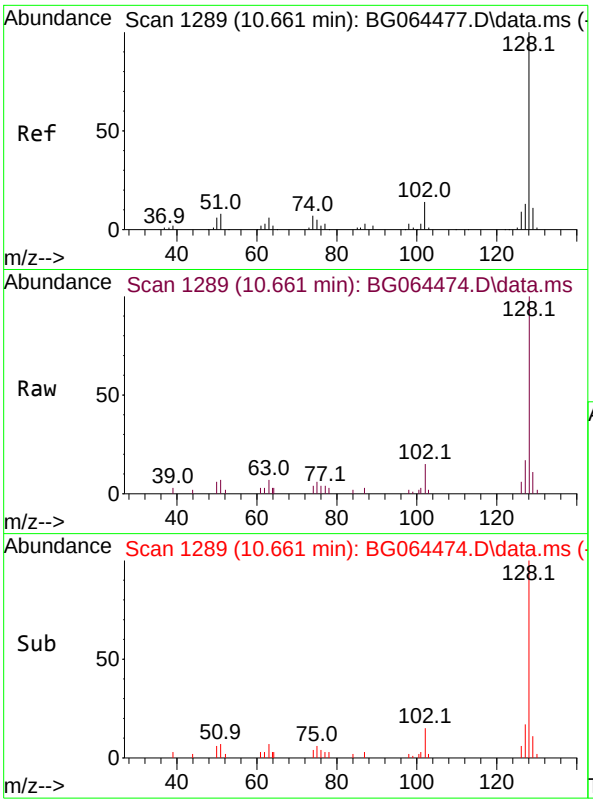


#30
1,2,4-Trichlorobenzene
Concen: 5.383 ng
RT: 10.478 min Scan# 1258
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

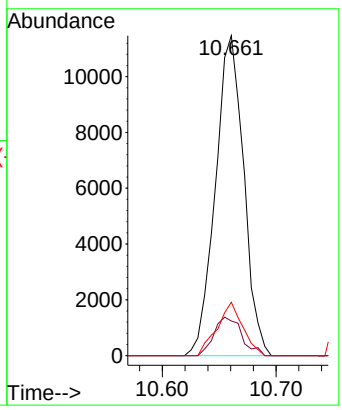




#31
Naphthalene
Concen: 5.158 ng
RT: 10.661 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:128 Resp: 1980

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	16.7	10.2	15.2



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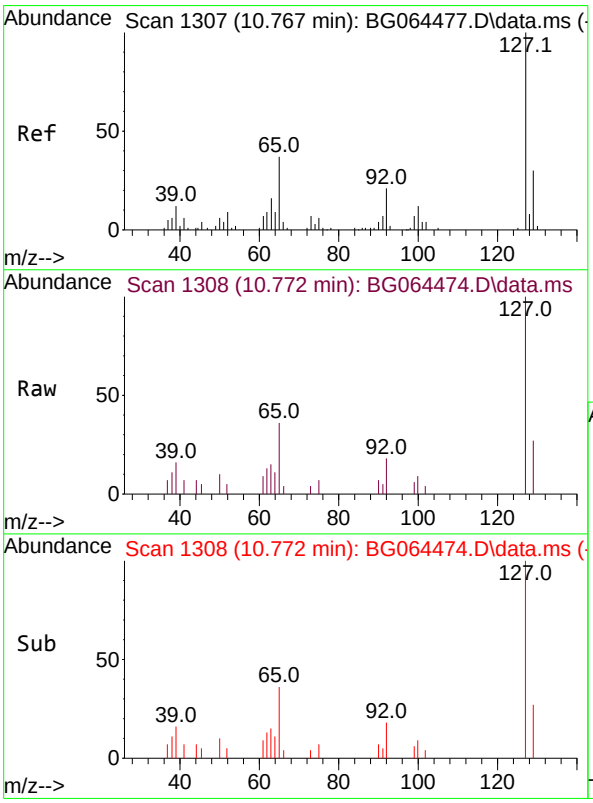
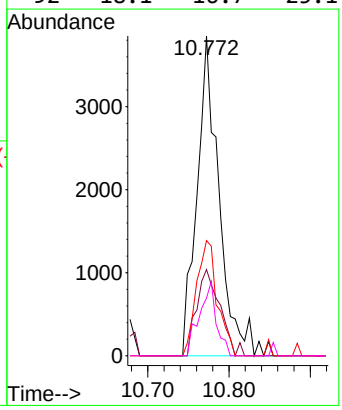
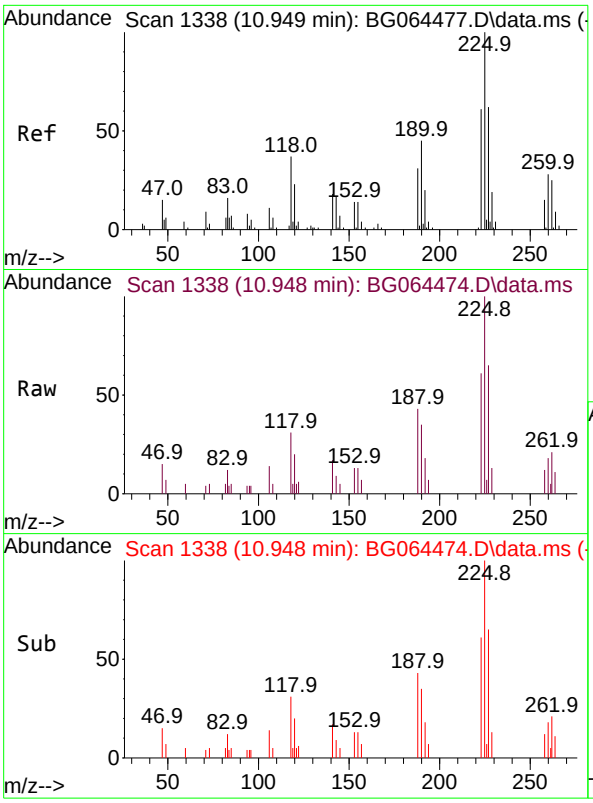


#33
4-Chloroaniline
Concen: 4.960 ng
RT: 10.772 min Scan# 1308
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

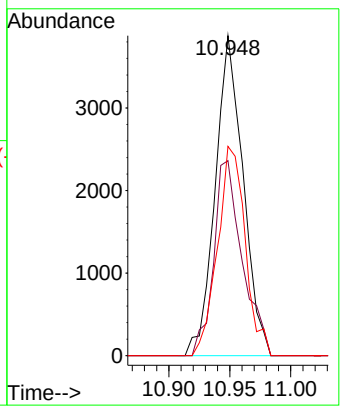




#34
Hexachlorobutadiene
Concen: 5.435 ng
RT: 10.948 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:225 Resp: 617

Ion	Ratio	Lower	Upper
225	100		
223	60.9	49.0	73.6
227	65.4	49.9	74.9



Instrument :
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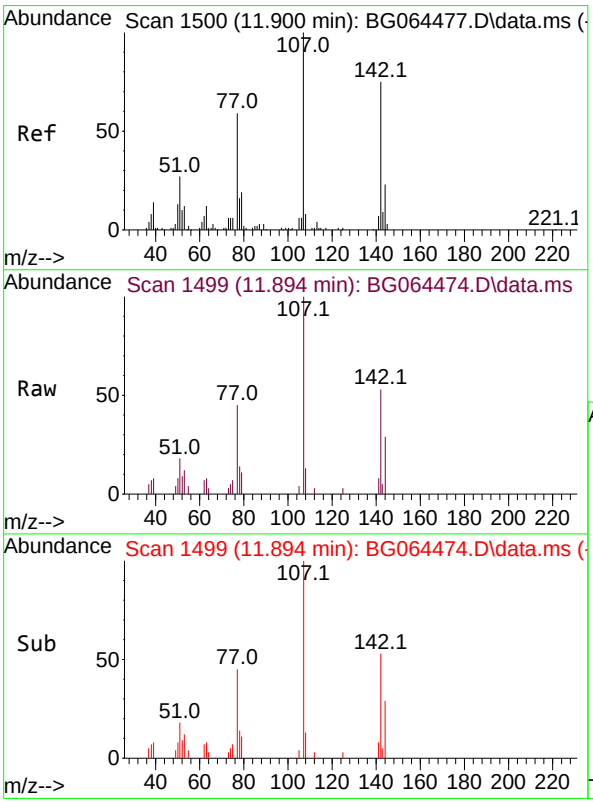
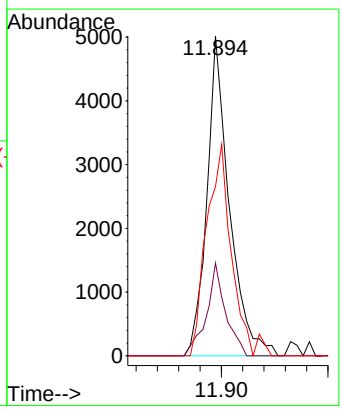
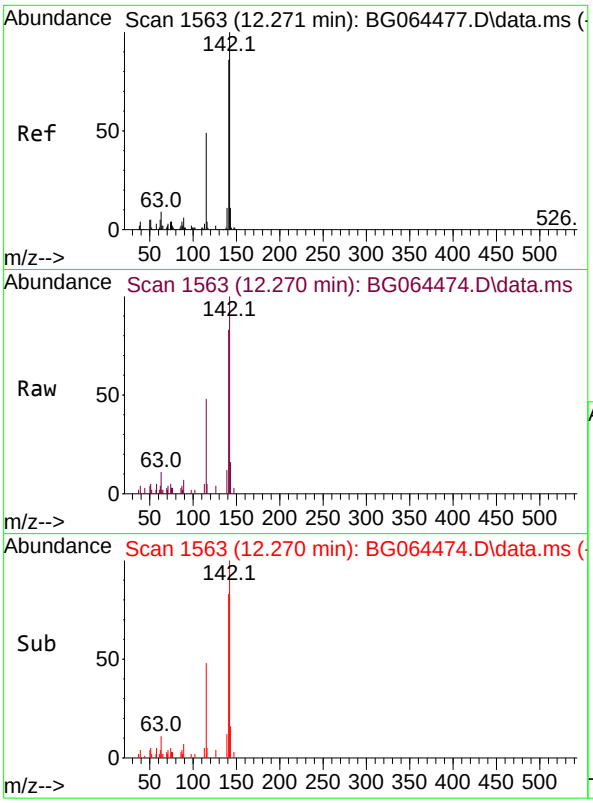


#36
4-Chloro-3-methylphenol
Concen: 4.978 ng
RT: 11.894 min Scan# 1499
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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#

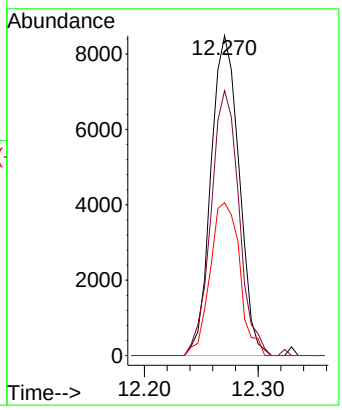




#37
2-Methylnaphthalene
Concen: 4.953 ng
RT: 12.270 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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



Instrument :
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ClientSampleId :
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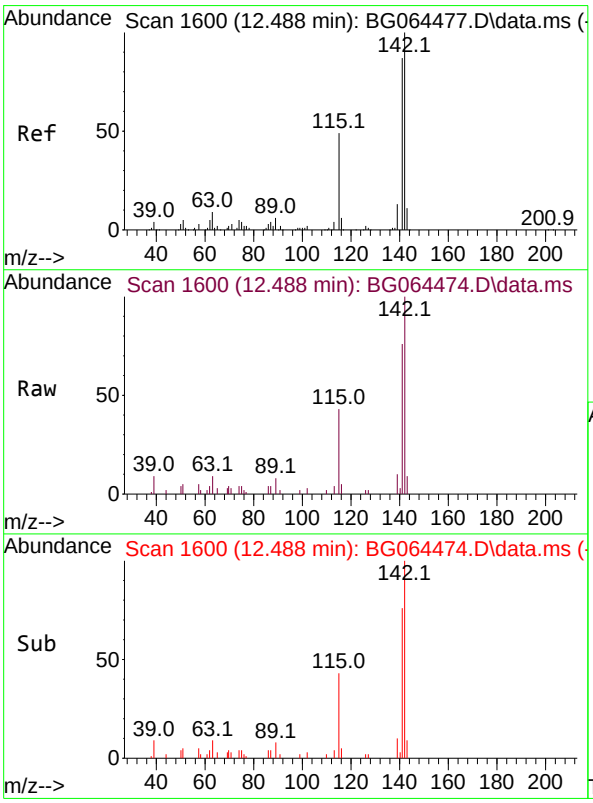
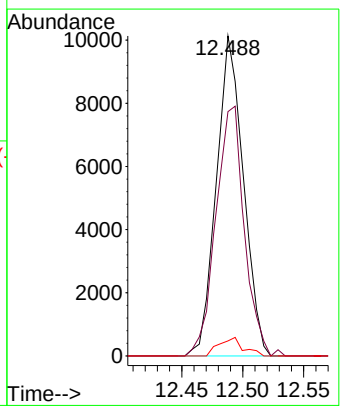
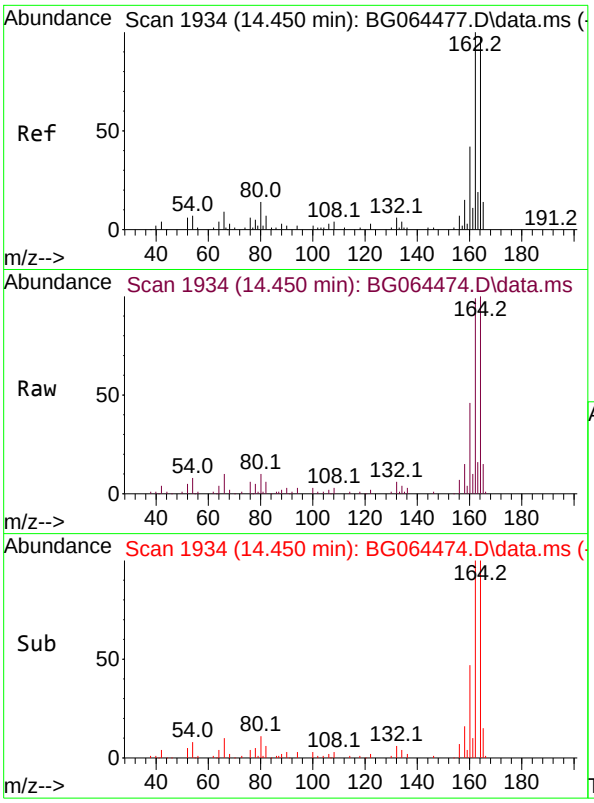


#38
1-Methylnaphthalene
Concen: 5.311 ng
RT: 12.488 min Scan# 1600
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

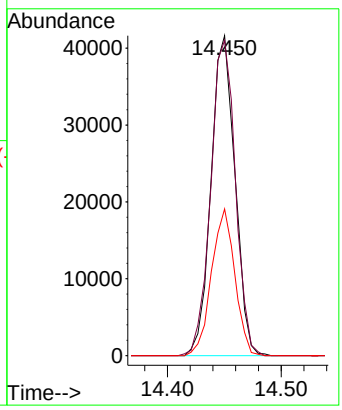




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.450 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:164 Resp: 6073

Ion	Ratio	Lower	Upper
164	100		
162	98.5	82.2	123.2
160	45.8	34.3	51.5



Instrument :
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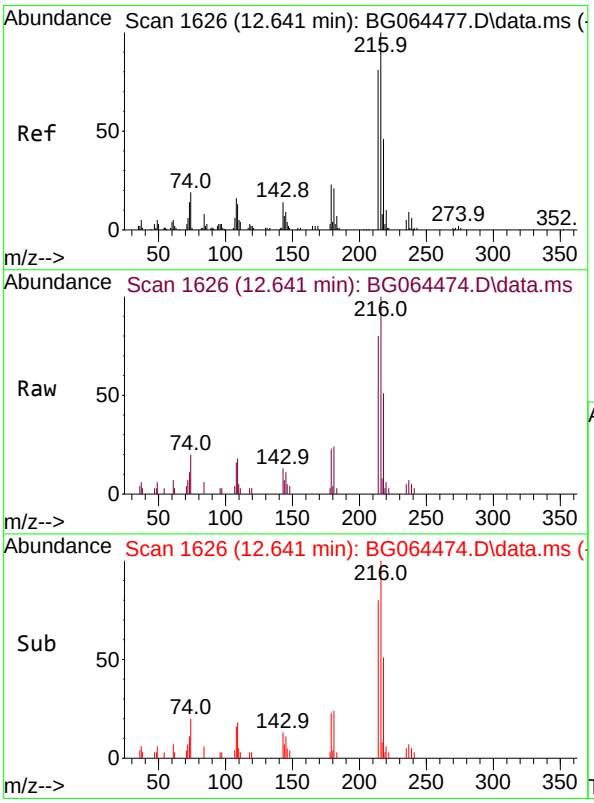
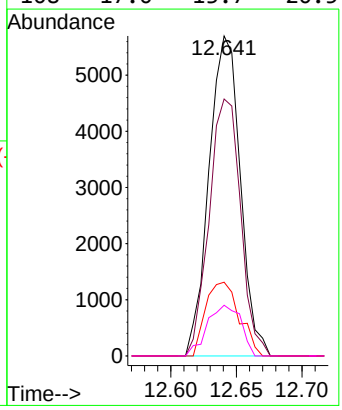
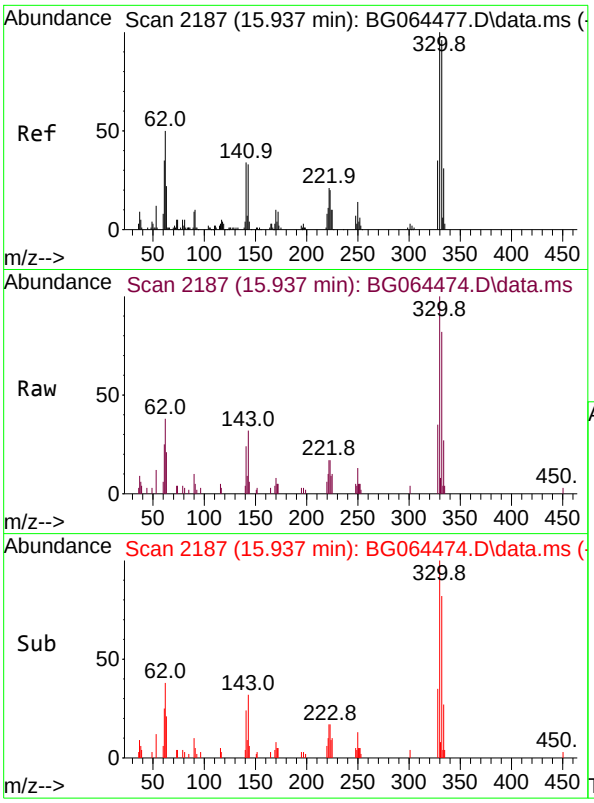


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.820 ng
RT: 12.641 min Scan# 1626
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

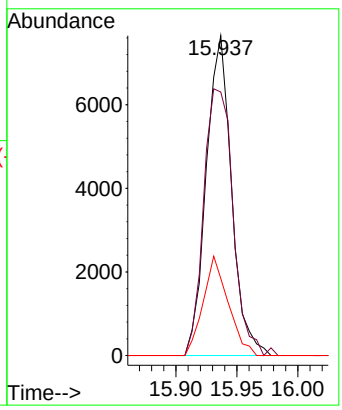




#42
2,4,6-Tribromophenol
Concen: 10.043 ng
RT: 15.937 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:330 Resp: 1105

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.0
141	30.8	25.8	38.6



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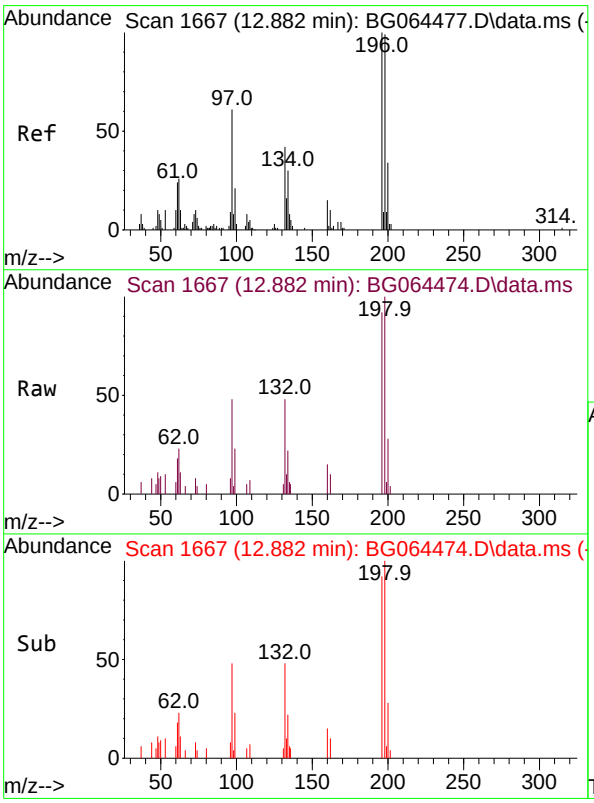
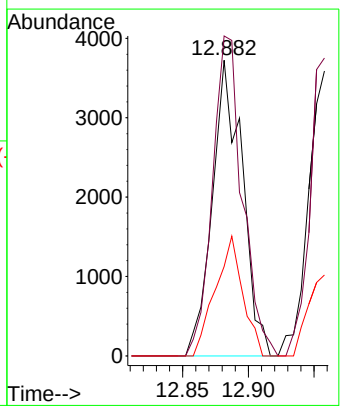
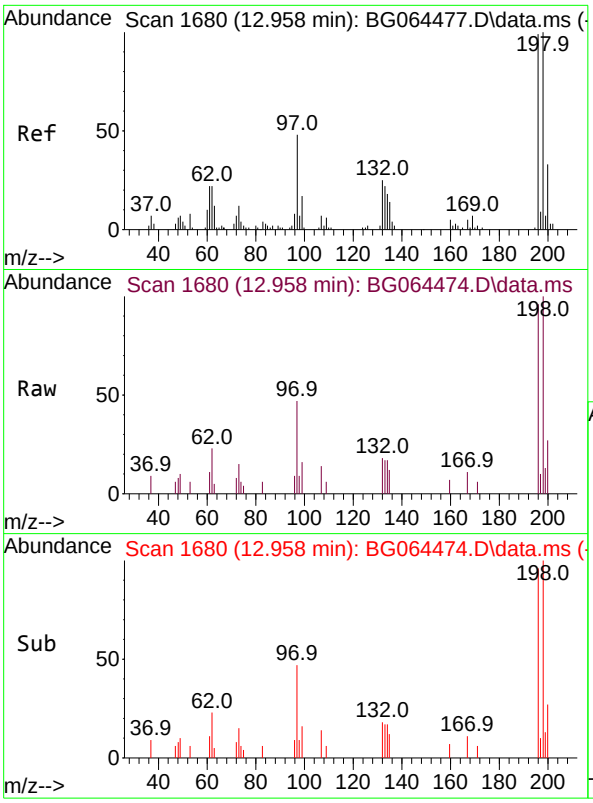


#43
2,4,6-Trichlorophenol
Concen: 4.742 ng
RT: 12.882 min Scan# 1667
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

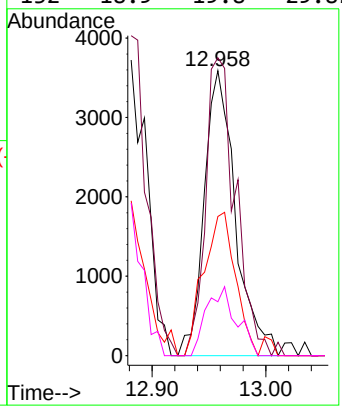




#44
2,4,5-Trichlorophenol
Concen: 4.890 ng
RT: 12.958 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:196 Resp: 684

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#



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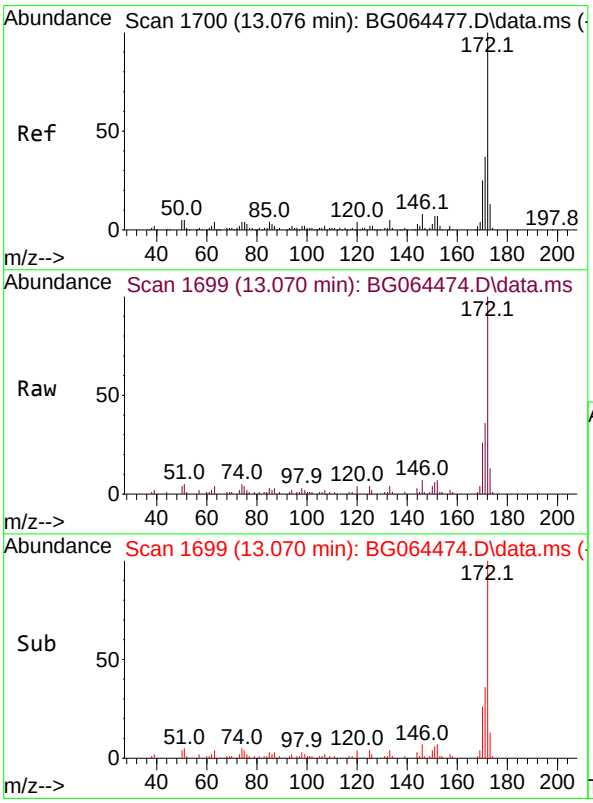
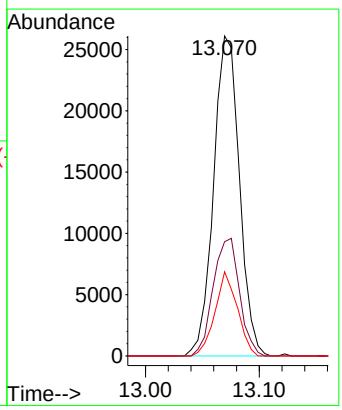
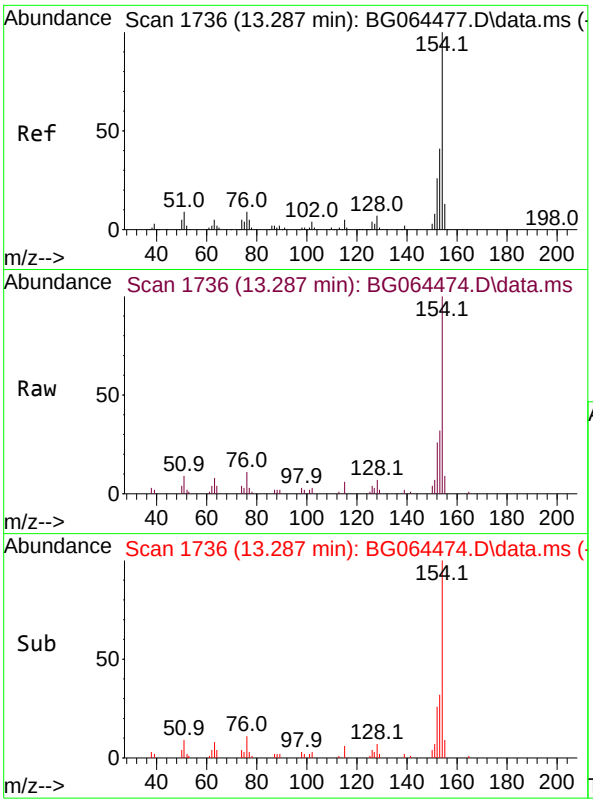


#45
2-Fluorobiphenyl
Concen: 9.988 ng
RT: 13.070 min Scan# 1699
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

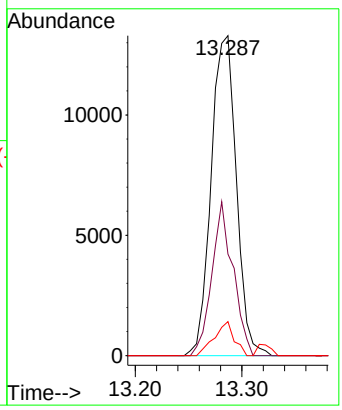




#46
1,1'-Biphenyl
Concen: 5.003 ng
RT: 13.287 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:154 Resp: 2185

Ion	Ratio	Lower	Upper
154	100		
153	31.7	20.7	60.7
76	10.6	0.0	29.3



Instrument :
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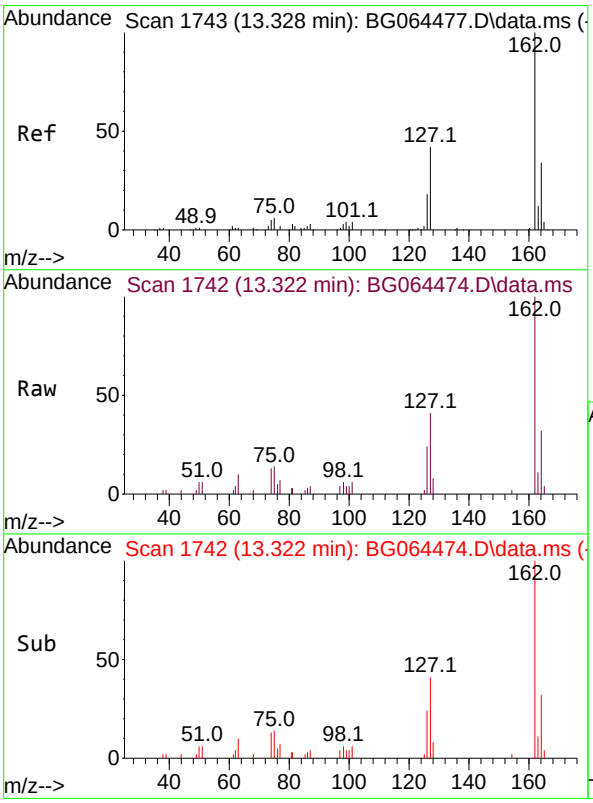
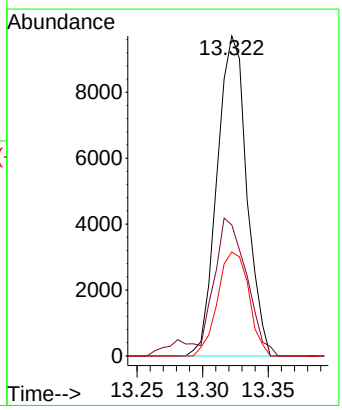
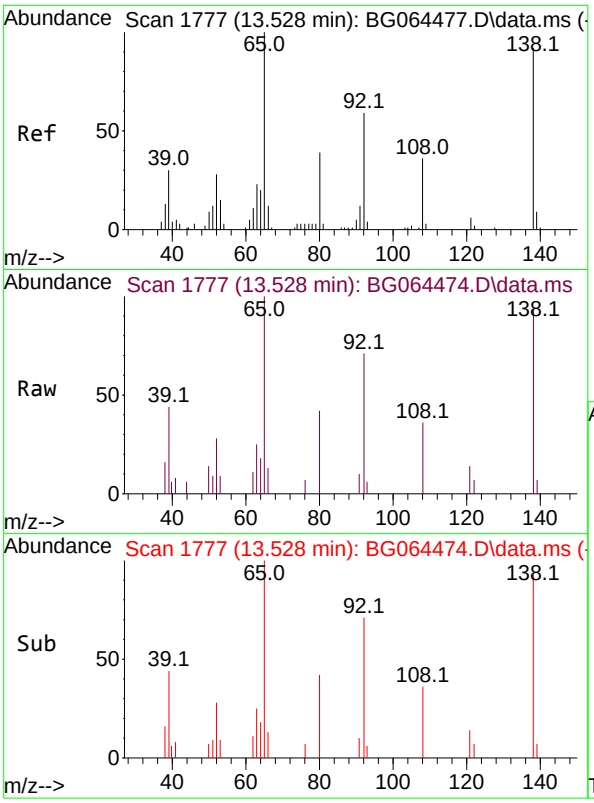


#47
2-Chloronaphthalene
Concen: 4.685 ng
RT: 13.322 min Scan# 1742
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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# 1
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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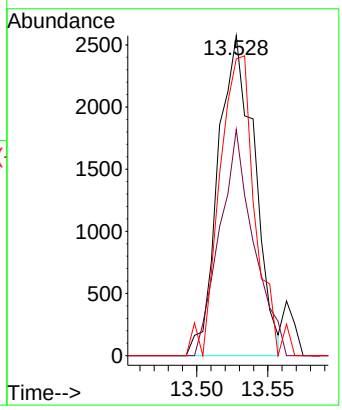
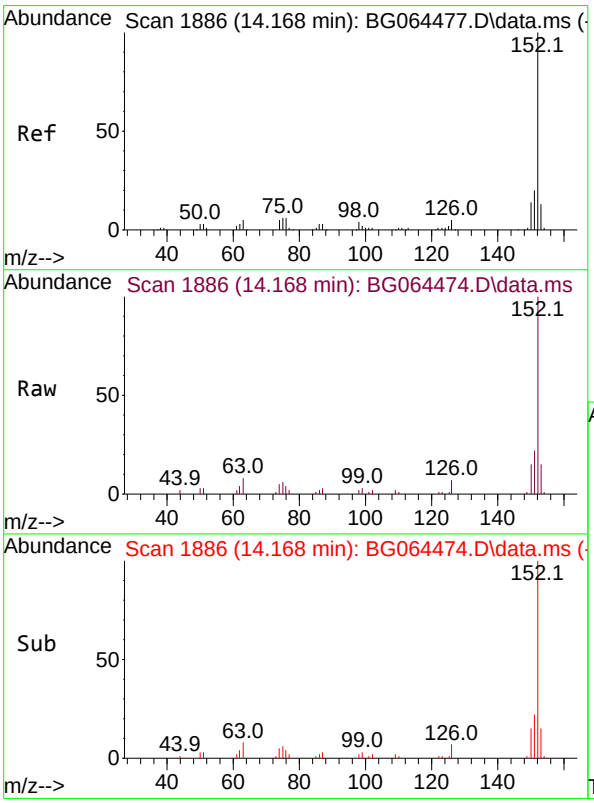
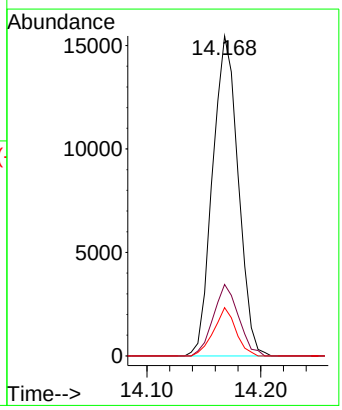


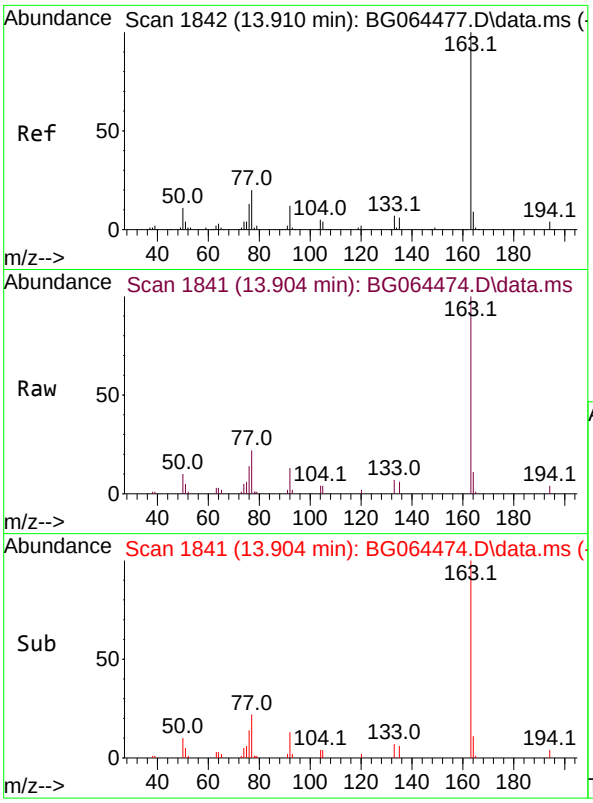


#49
Acenaphthylene
Concen: 4.990 ng
RT: 14.168 min Scan# 1886
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

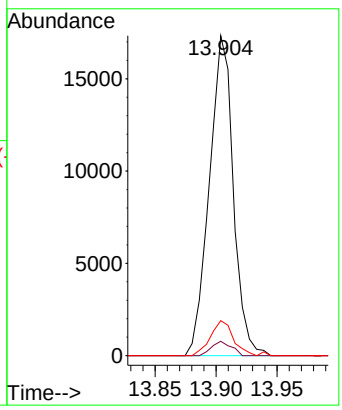




#50
Dimethylphthalate
Concen: 4.992 ng
RT: 13.904 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:163 Resp: 2374

Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.9	4.3#
164	10.9	7.4	11.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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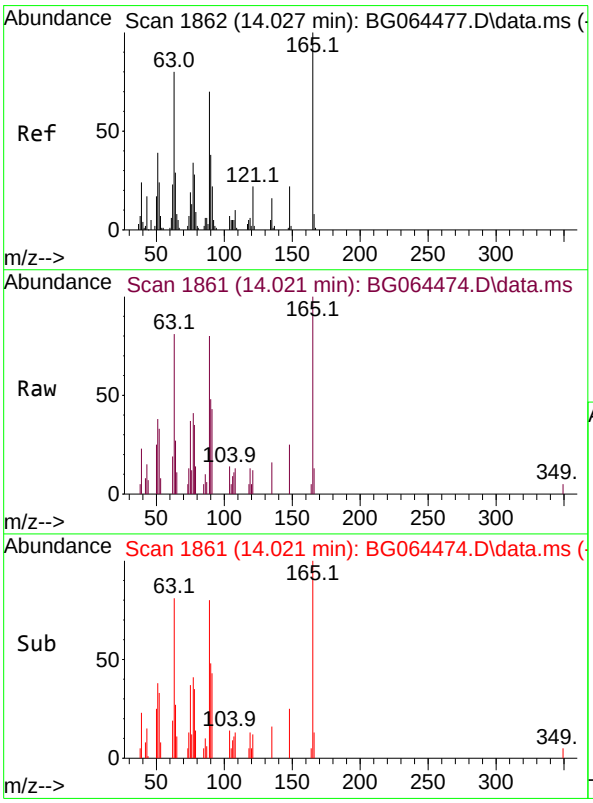
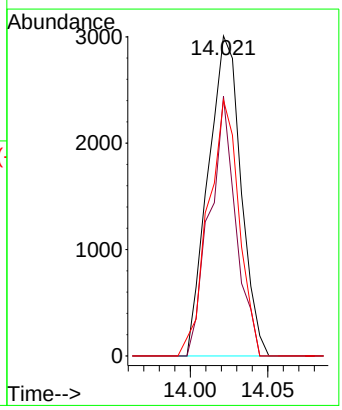
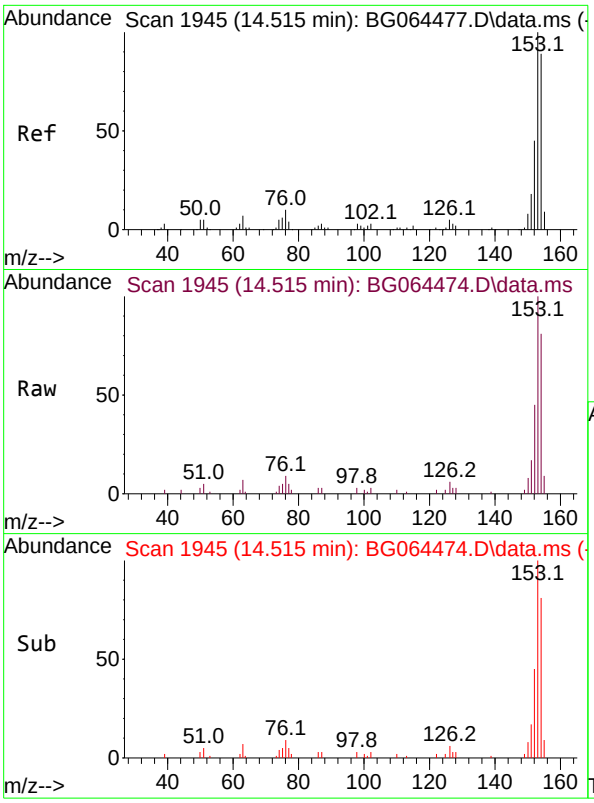


#51
2,6-Dinitrotoluene
Concen: 4.470 ng
RT: 14.021 min Scan# 1861
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

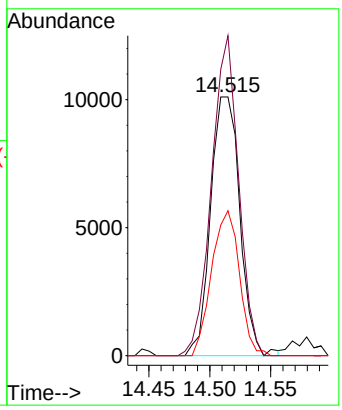




#52
Acenaphthene
Concen: 5.000 ng
RT: 14.515 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:154 Resp: 1681

Ion	Ratio	Lower	Upper
154	100		
153	123.7	90.2	135.4
152	56.0	40.2	60.4



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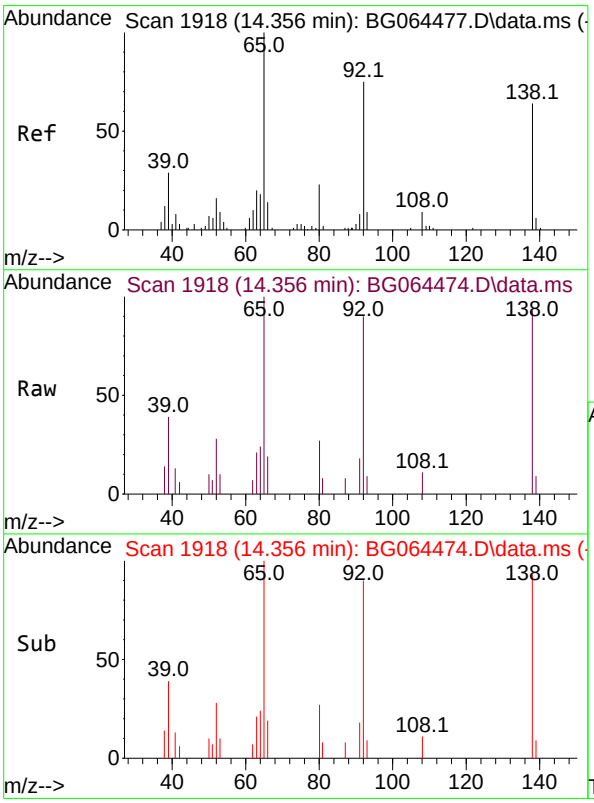
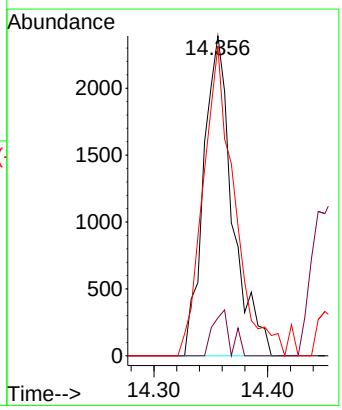
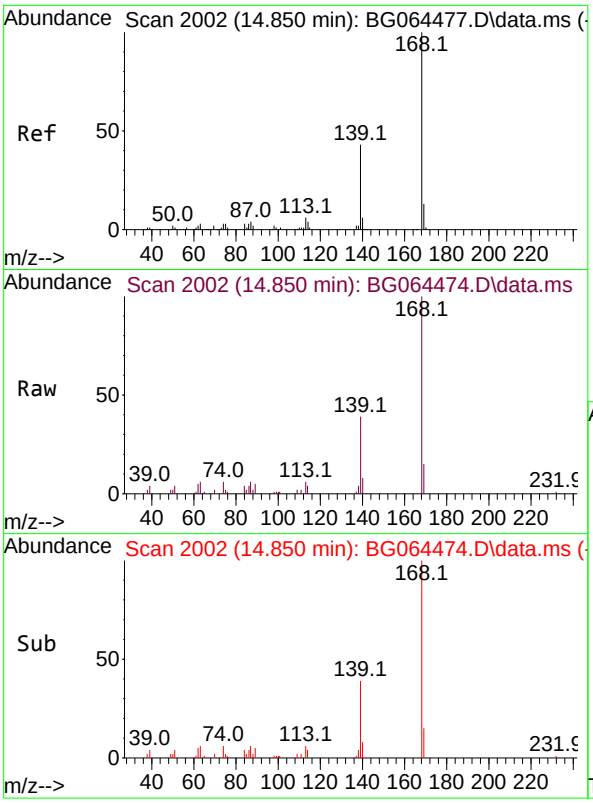


#53
3-Nitroaniline
Concen: 4.630 ng
RT: 14.356 min Scan# 1918
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

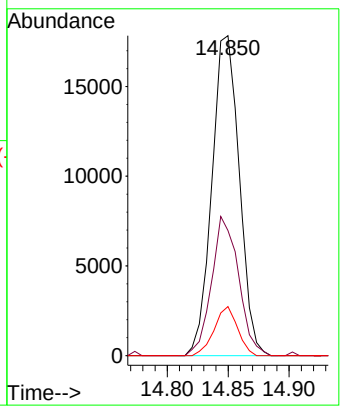




#55
Dibenzofuran
Concen: 5.022 ng
RT: 14.850 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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#



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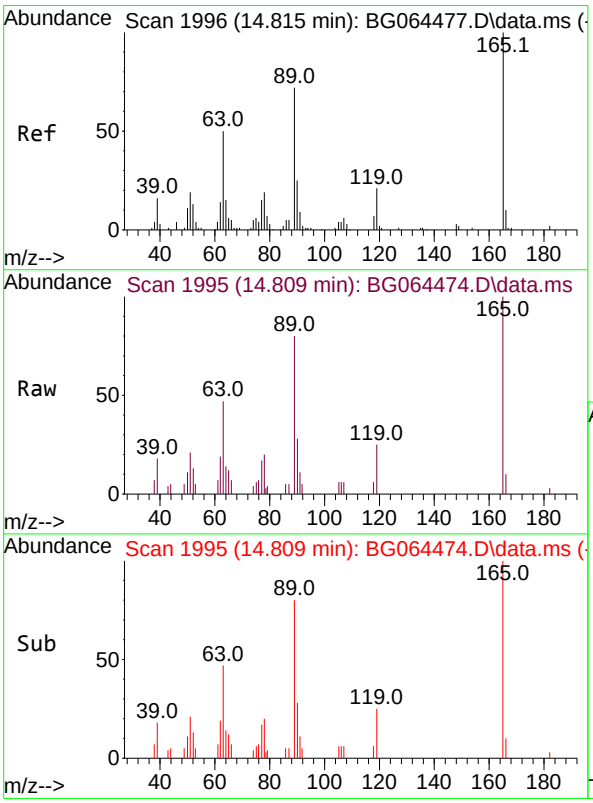
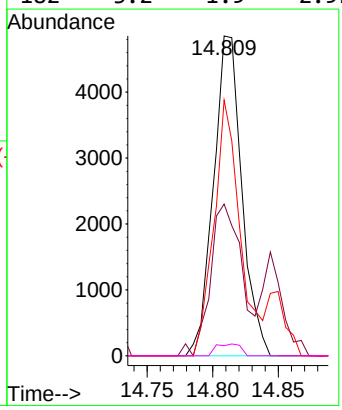
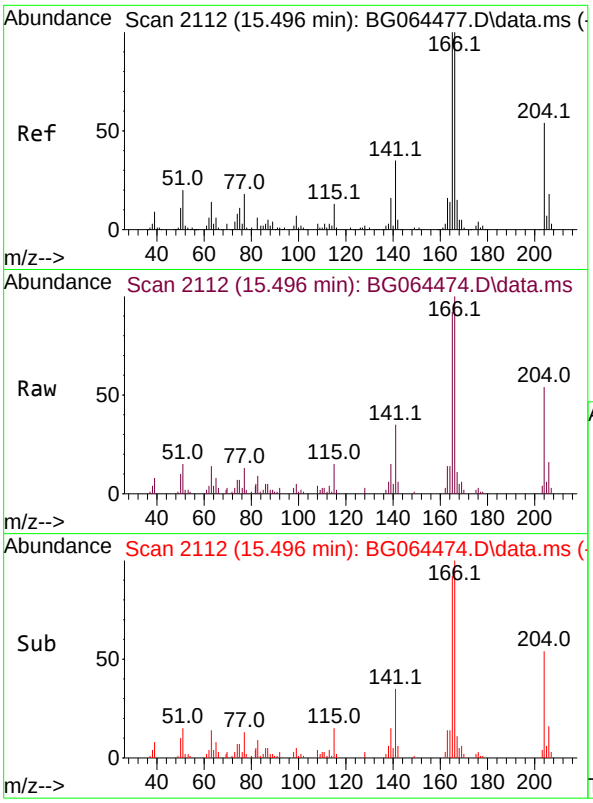


#57
2,4-Dinitrotoluene
Concen: 4.826 ng
RT: 14.809 min Scan# 1995
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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#

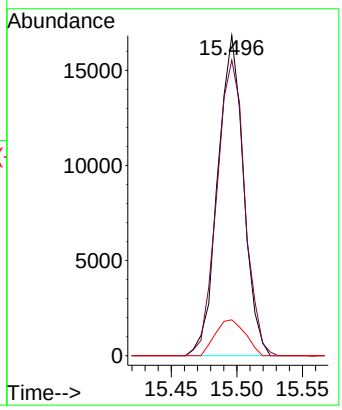




#58
Fluorene
Concen: 4.994 ng
RT: 15.496 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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#



Instrument :
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ClientSampleId :
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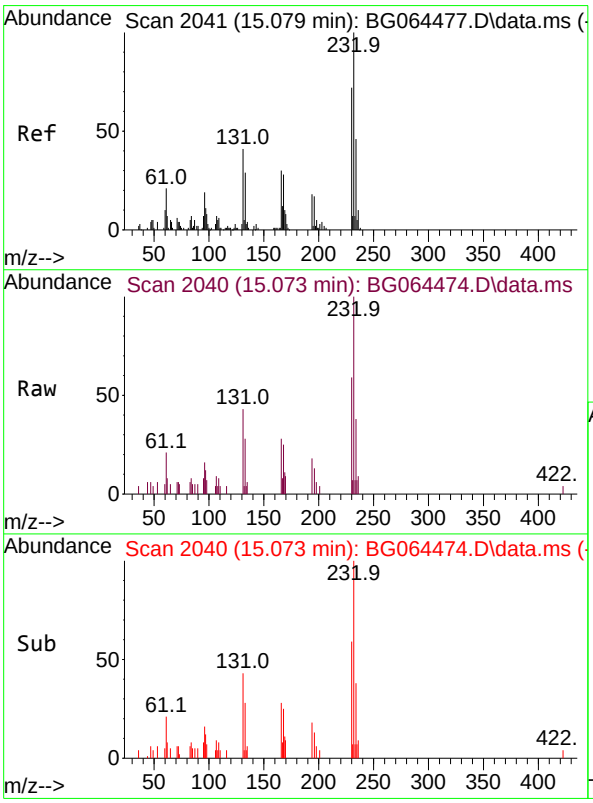
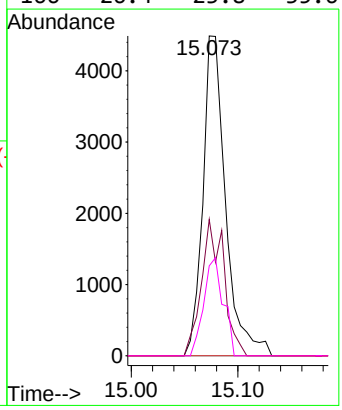
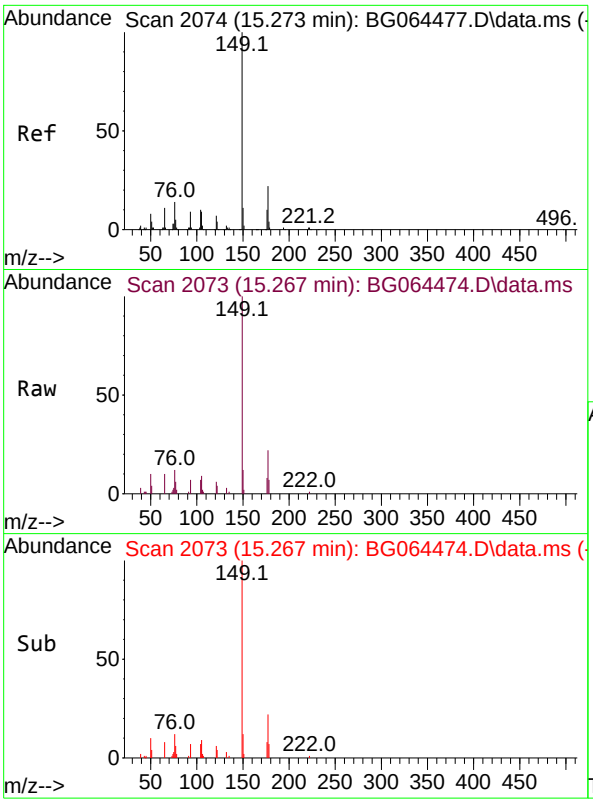


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.658 ng
RT: 15.073 min Scan# 2040
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

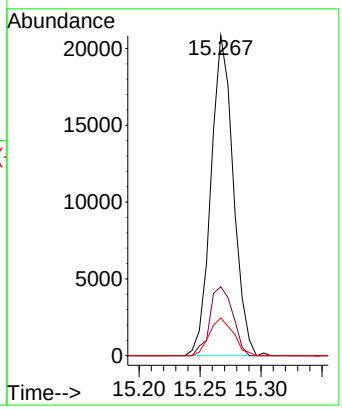




#60
Diethylphthalate
Concen: 5.198 ng
RT: 15.267 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:149 Resp: 2652

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.0
150	11.8	9.1	13.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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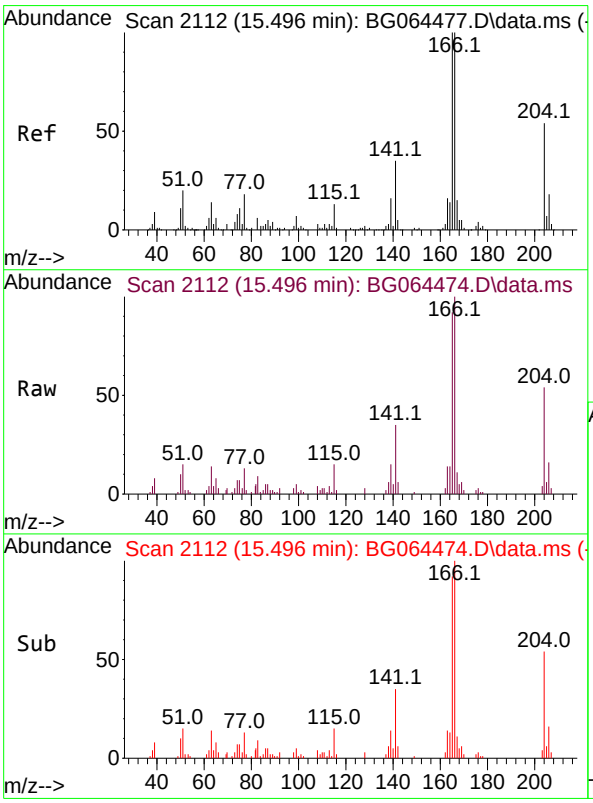
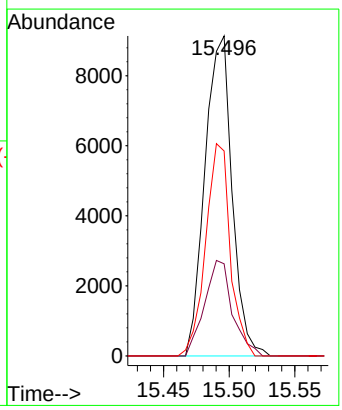
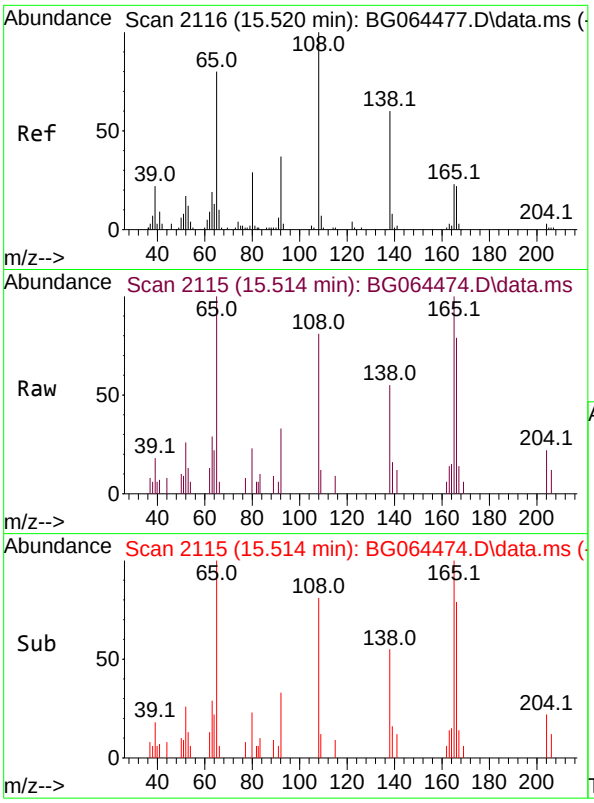


#61
4-Chlorophenyl-phenylether
Concen: 5.215 ng
RT: 15.496 min Scan# 2112
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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# 21
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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#

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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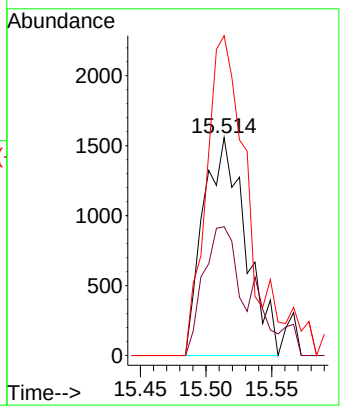
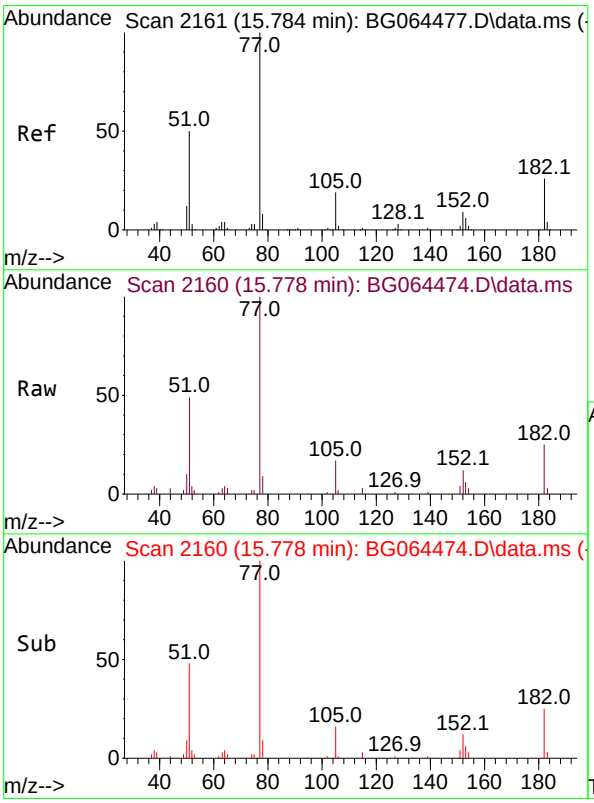
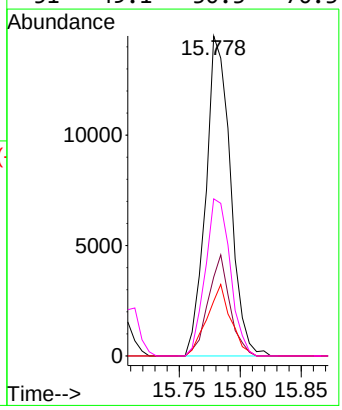


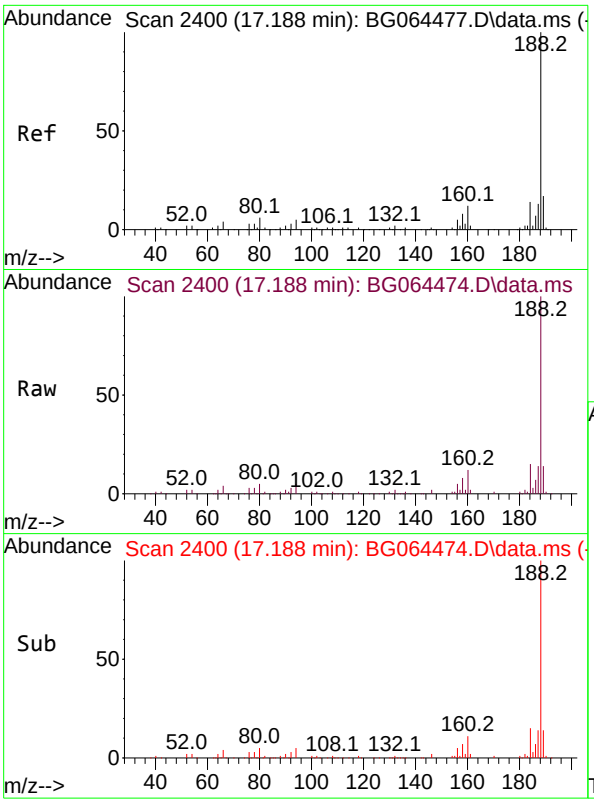


#63
Azobenzene
Concen: 5.144 ng
RT: 15.778 min Scan# 2160
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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# 24
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:188 Resp: 15534

Ion	Ratio	Lower	Upper
188	100		
94	5.4	3.7	5.5
80	5.0	4.5	6.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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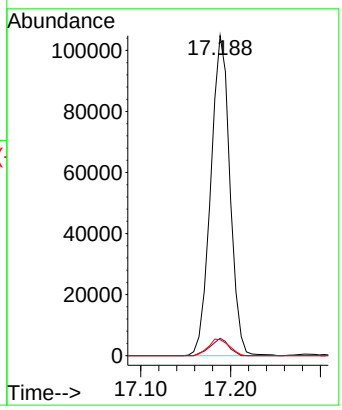
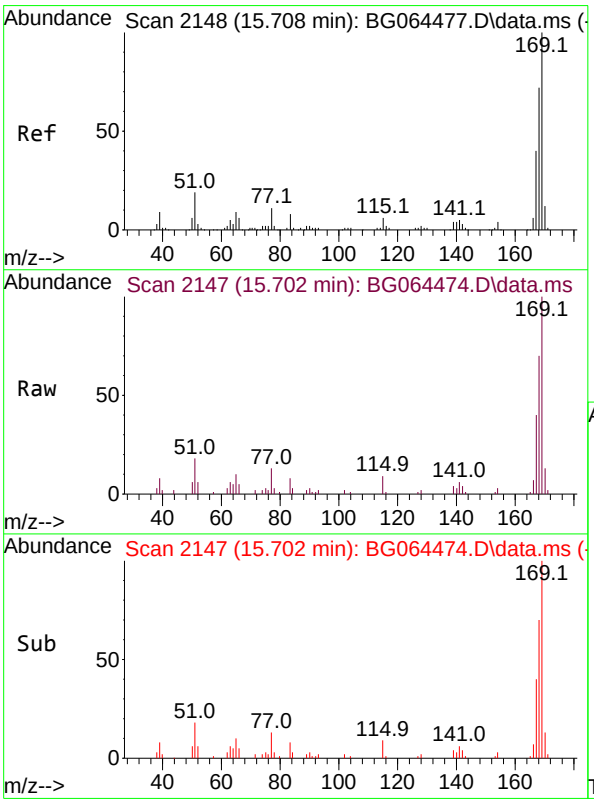
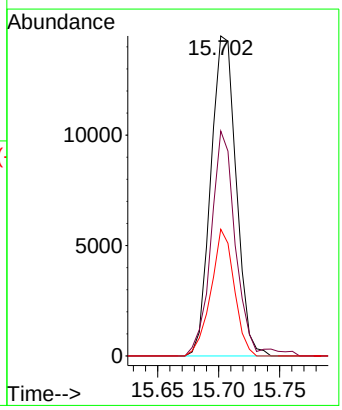


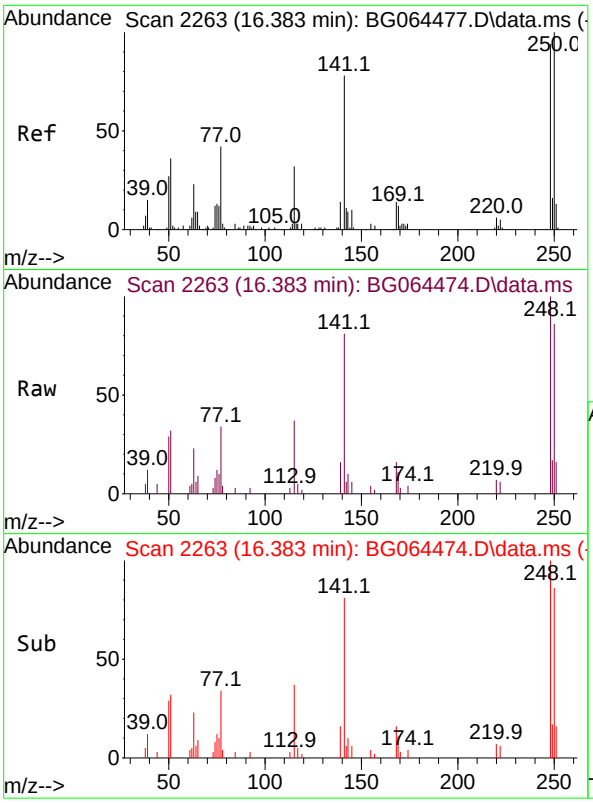


#66
n-Nitrosodiphenylamine
Concen: 5.053 ng
RT: 15.702 min Scan# 2147
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

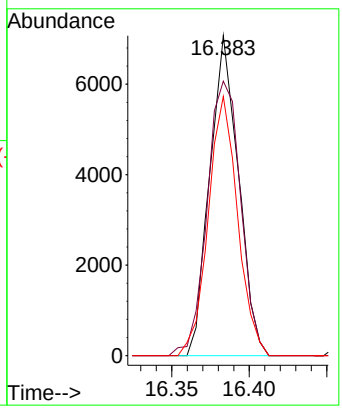




#67
4-Bromophenyl-phenylether
Concen: 5.002 ng
RT: 16.383 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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



Instrument :
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ClientSampleId :
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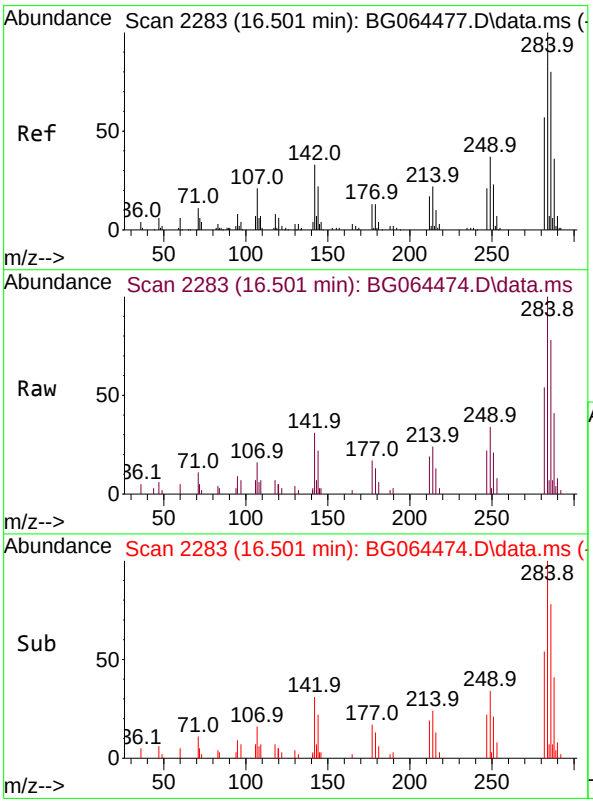
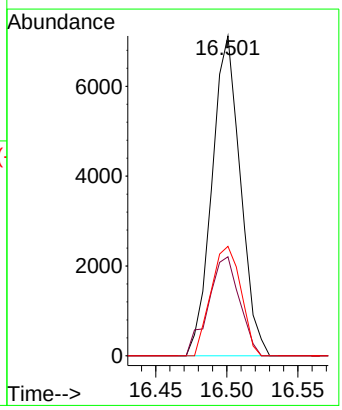
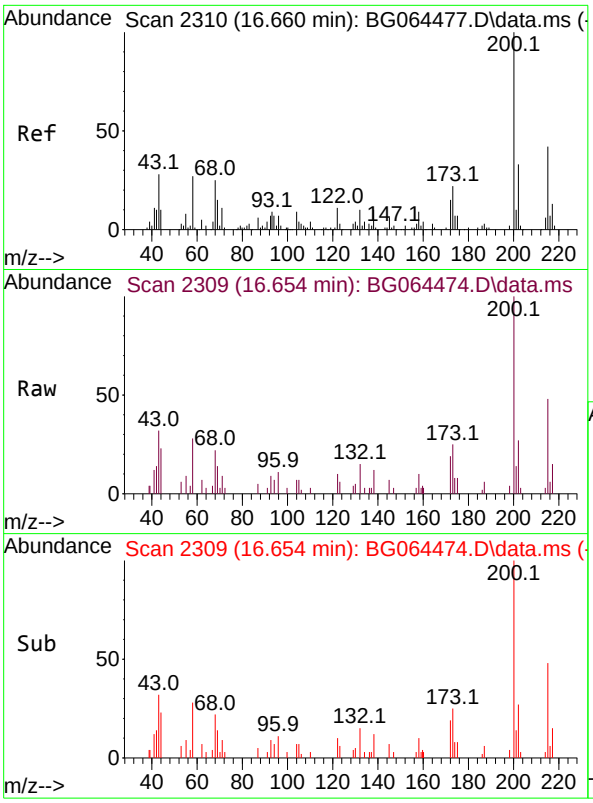


#68
Hexachlorobenzene
Concen: 4.747 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

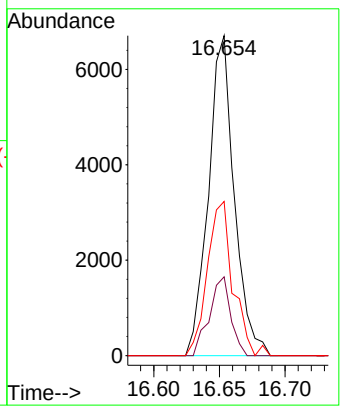




#69
Atrazine
Concen: 4.979 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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



Instrument :
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ClientSampleId :
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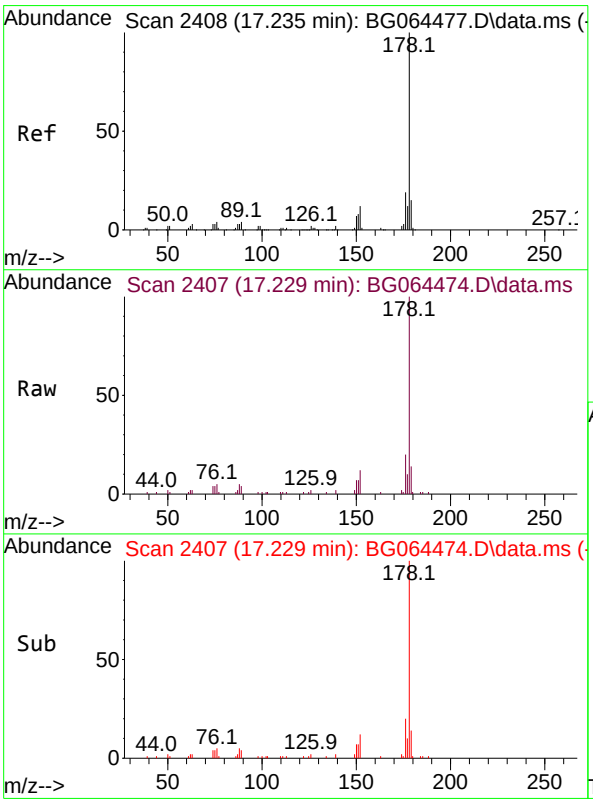
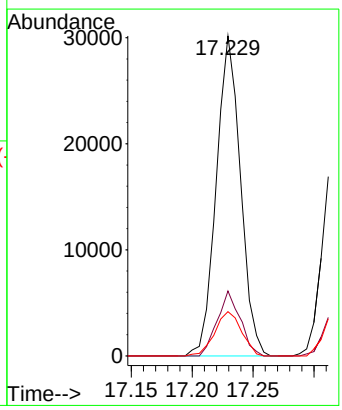
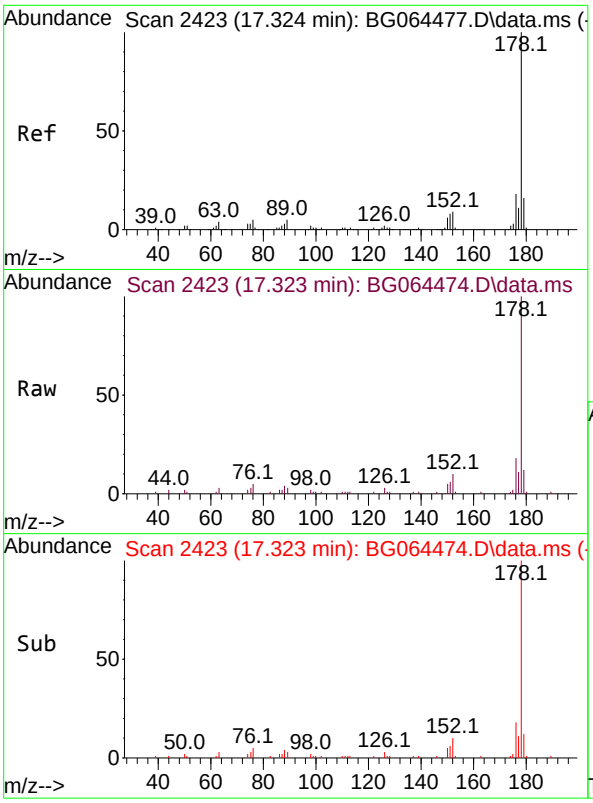


#71
Phenanthrene
Concen: 5.126 ng
RT: 17.229 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

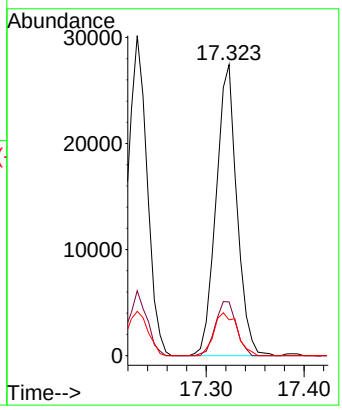




#72
Anthracene
Concen: 4.978 ng m
RT: 17.323 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:178 Resp: 4056

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	12.3	12.5	18.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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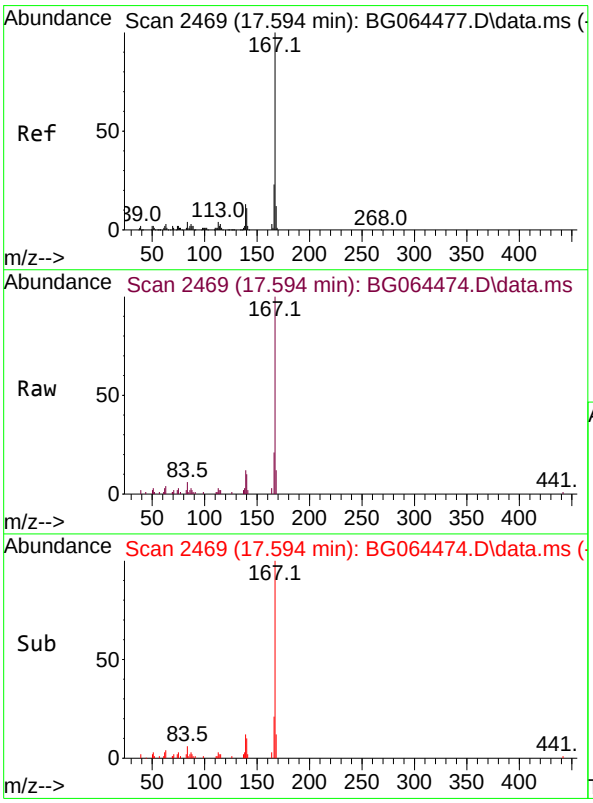
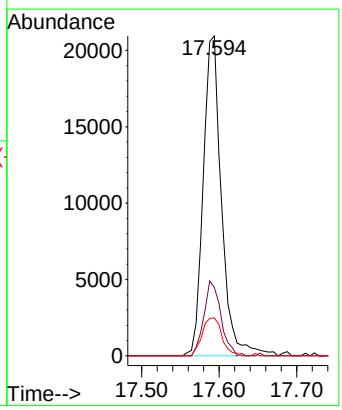
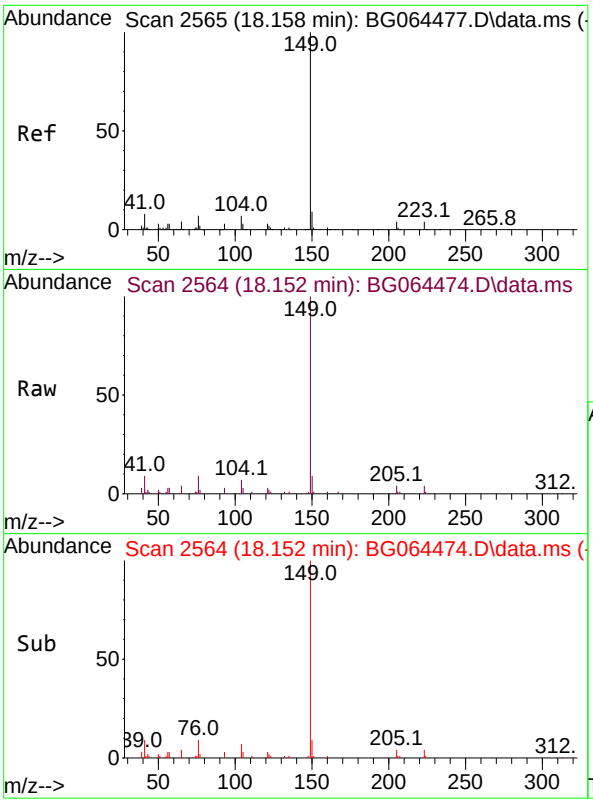


#73
Carbazole
Concen: 4.870 ng
RT: 17.594 min Scan# 2469
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

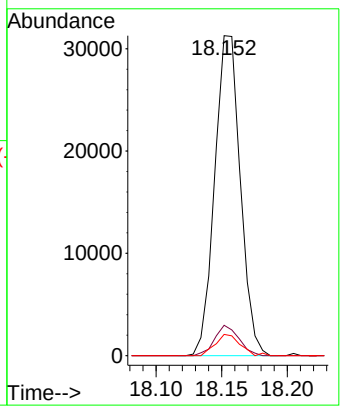




#74
Di-n-butylphthalate
Concen: 4.950 ng
RT: 18.152 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:149 Resp: 4256

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	6.6	5.3	7.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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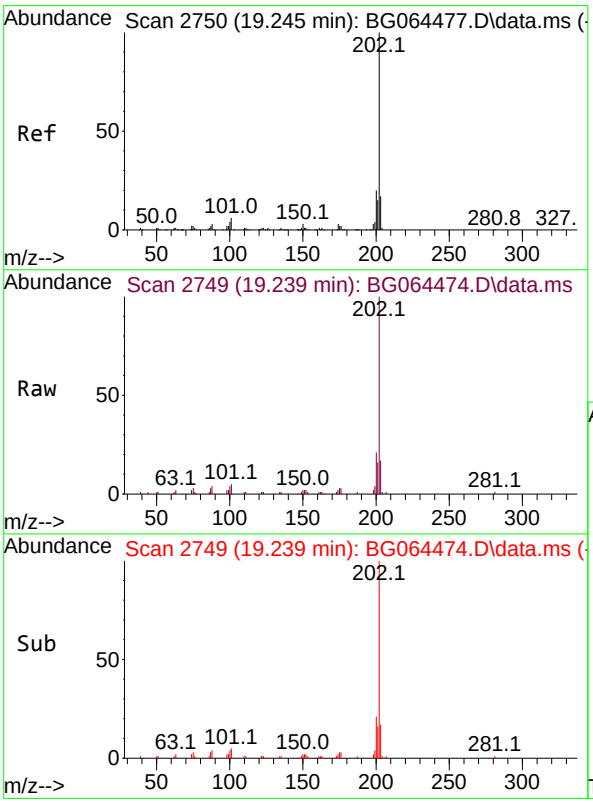
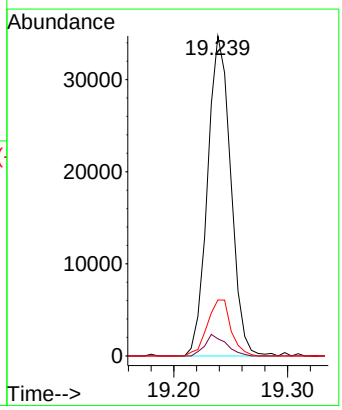
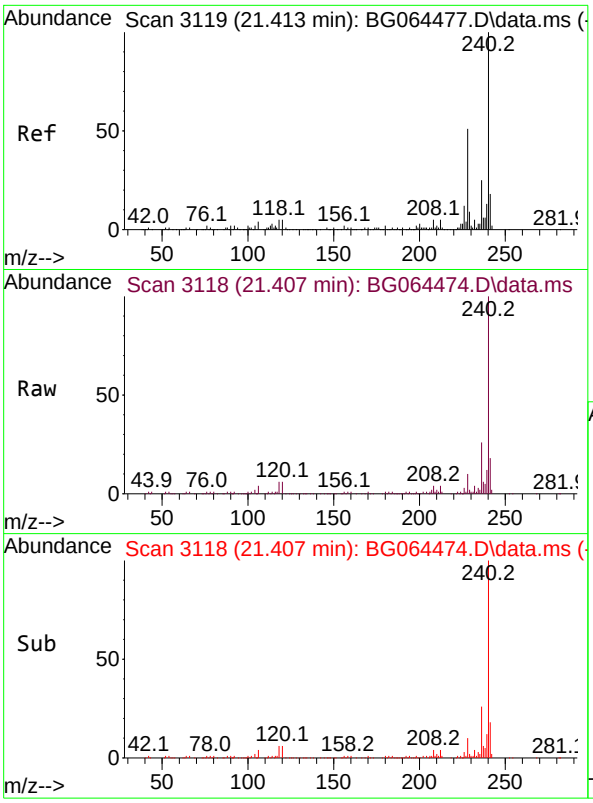


#75
Fluoranthene
Concen: 5.080 ng
RT: 19.239 min Scan# 2749
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

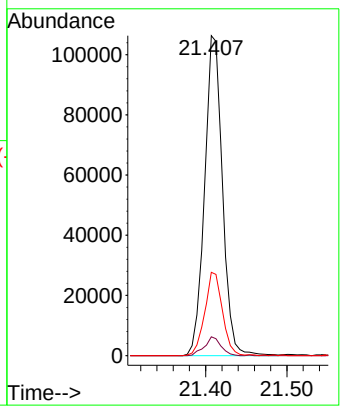




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.407 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:240 Resp: 16268

Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.3	6.5
236	26.0	20.4	30.6



Instrument :
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ClientSampleId :
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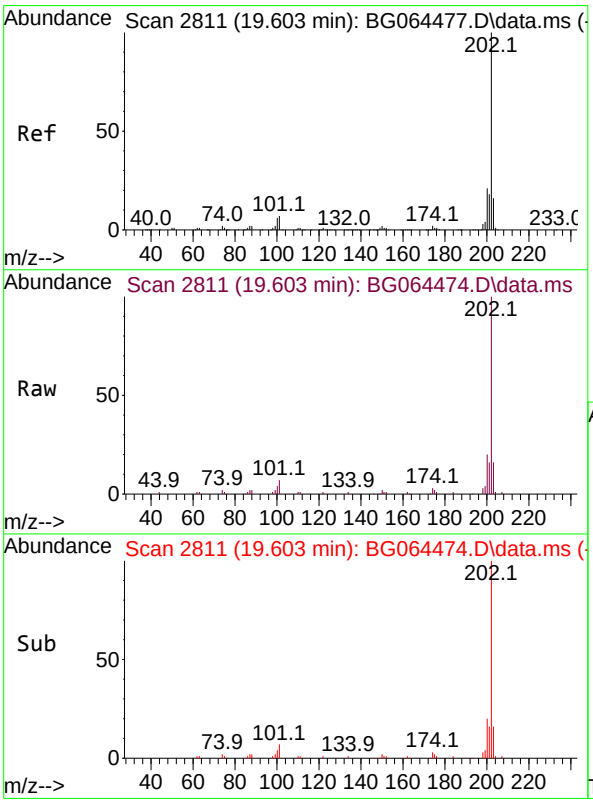
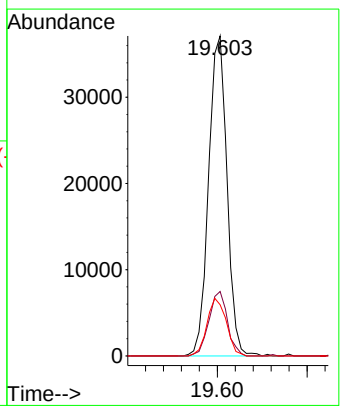
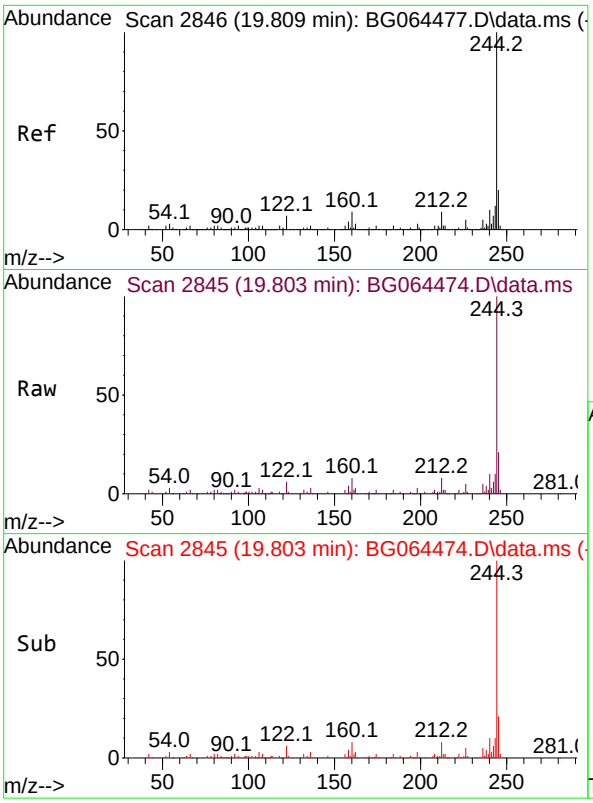


#78
Pyrene
Concen: 4.989 ng
RT: 19.603 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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# 2
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:244 Resp: 8676

Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.0	10.6
122	6.4	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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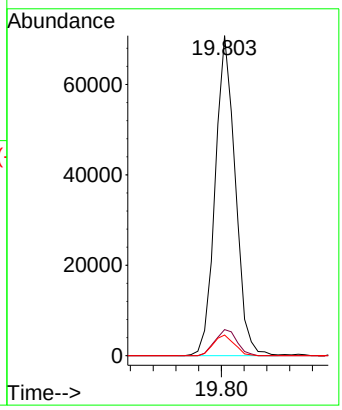
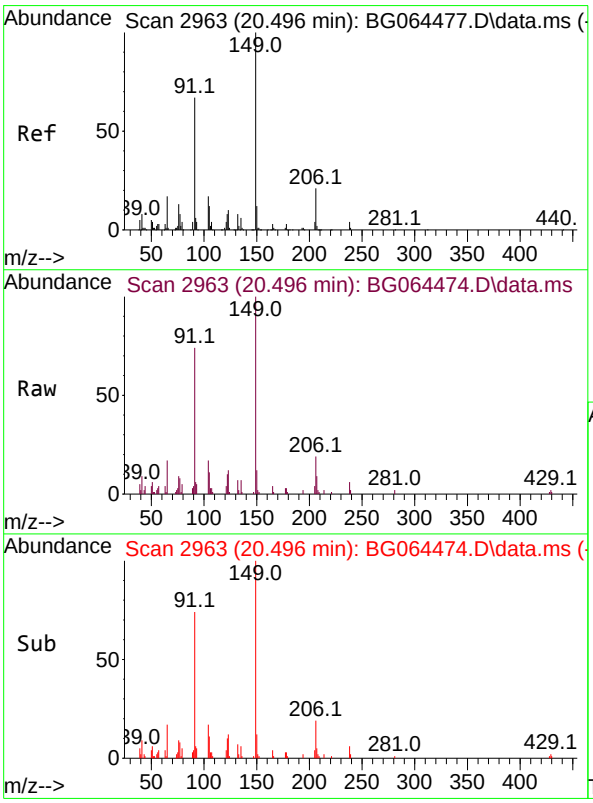
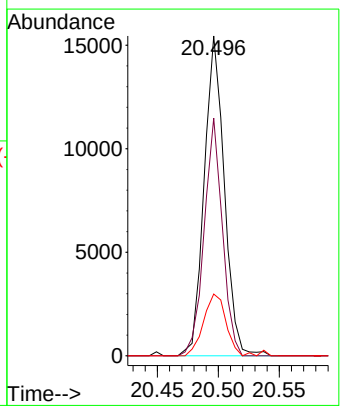


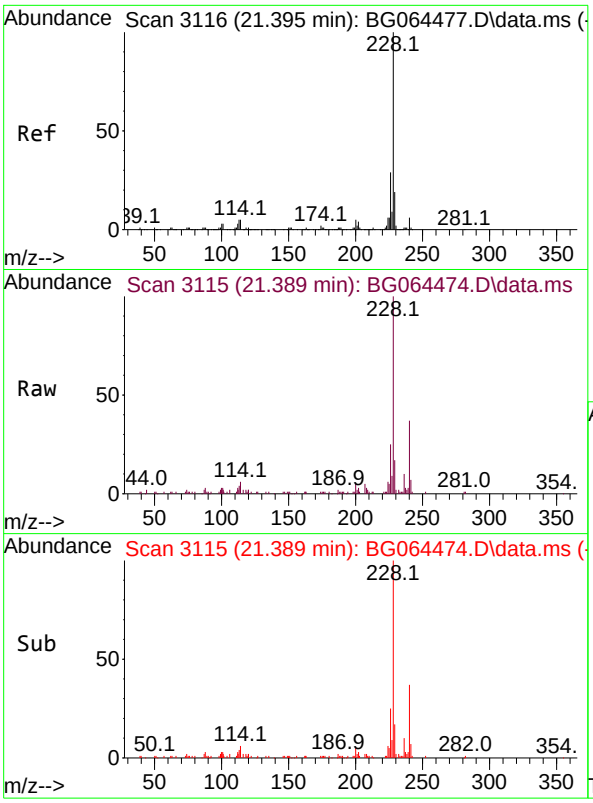


#80
Butylbenzylphthalate
Concen: 4.749 ng
RT: 20.496 min Scan# 2963
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

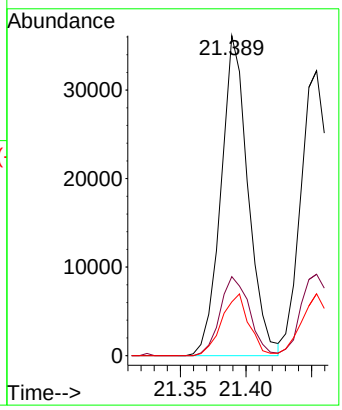




#81
Benzo(a)anthracene
Concen: 5.012 ng
RT: 21.389 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:228 Resp: 5206

Ion	Ratio	Lower	Upper
228	100		
226	24.7	22.8	34.2
229	16.8	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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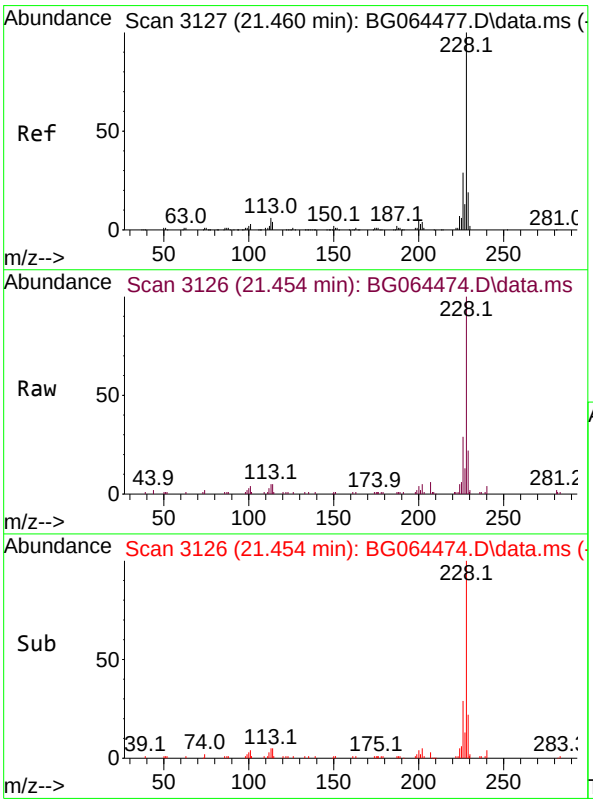
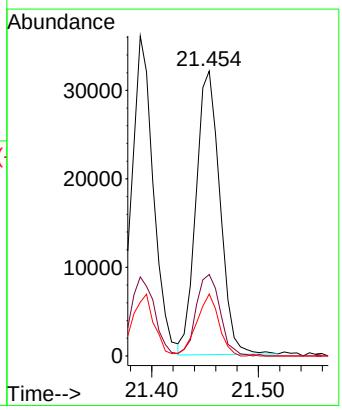
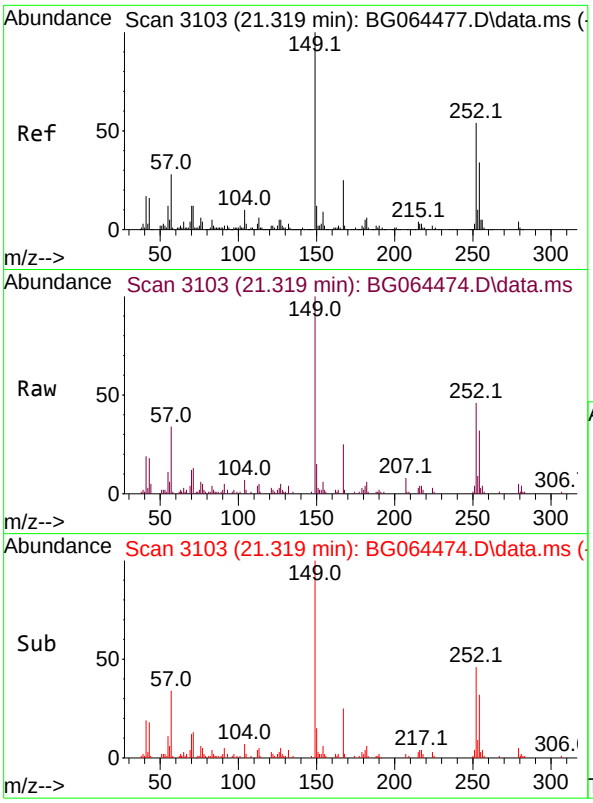


#83
Chrysene
Concen: 5.060 ng
RT: 21.454 min Scan# 3126
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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# 3
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: 2461

Ion	Ratio	Lower	Upper
149	100		
167	24.7	19.7	29.5
279	4.7	3.4	5.2

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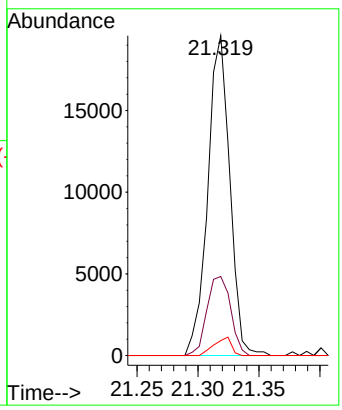
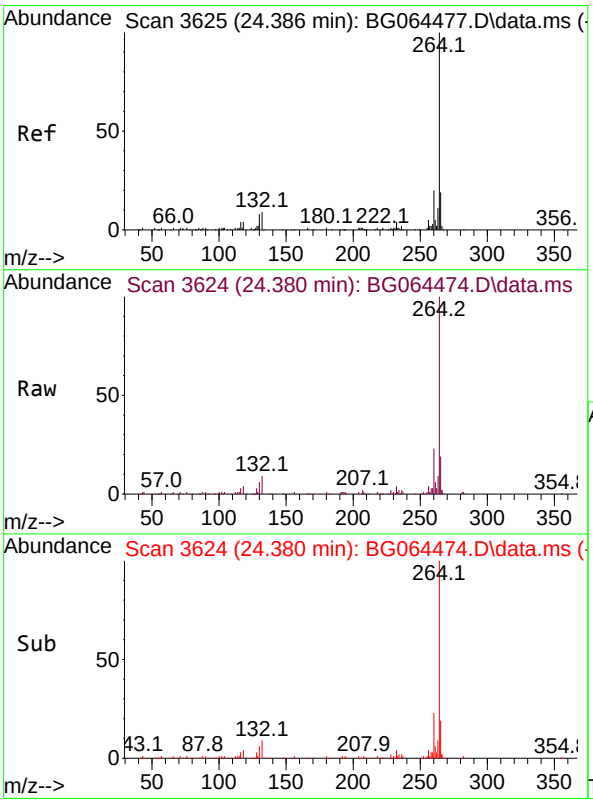
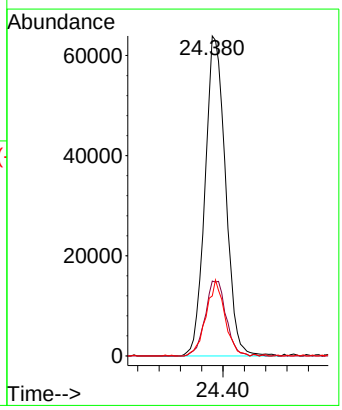


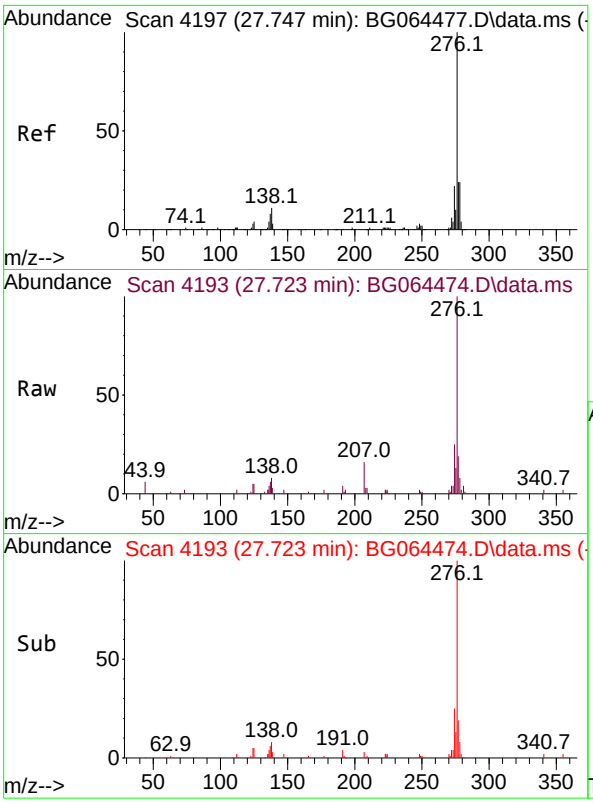


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 3624
Delta R.T. -0.009 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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# 41
Delta R.T. -0.009 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:276 Resp: 5811

Ion	Ratio	Lower	Upper
276	100		
138	3.5	10.8	16.2#
277	23.6	20.3	30.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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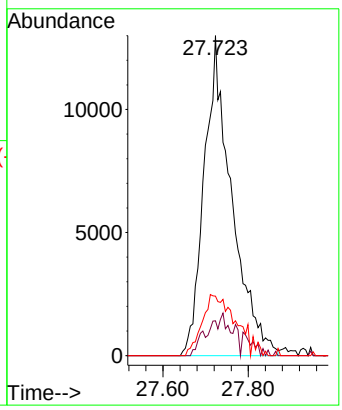
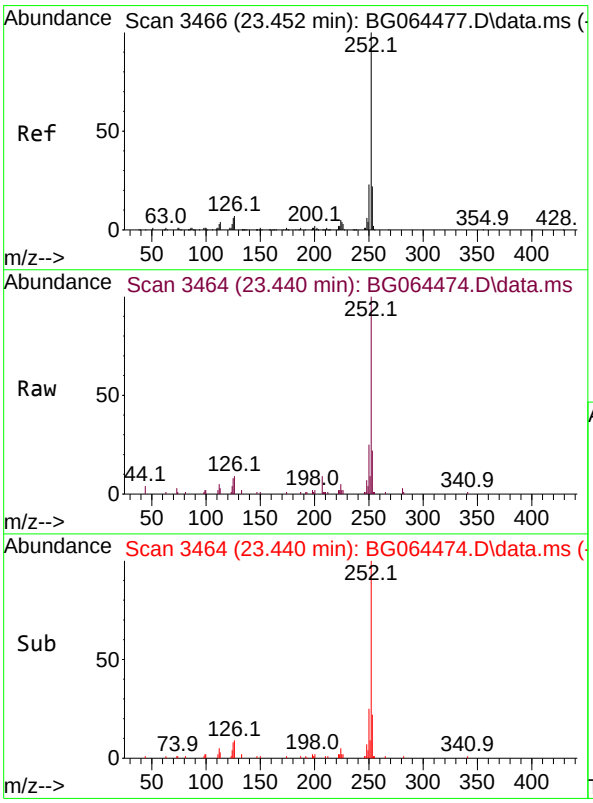
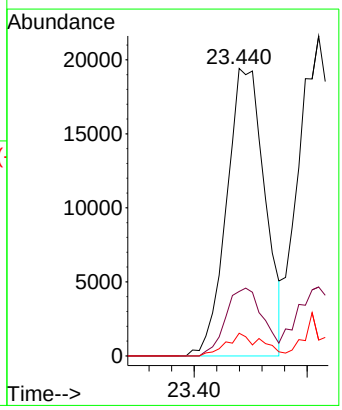


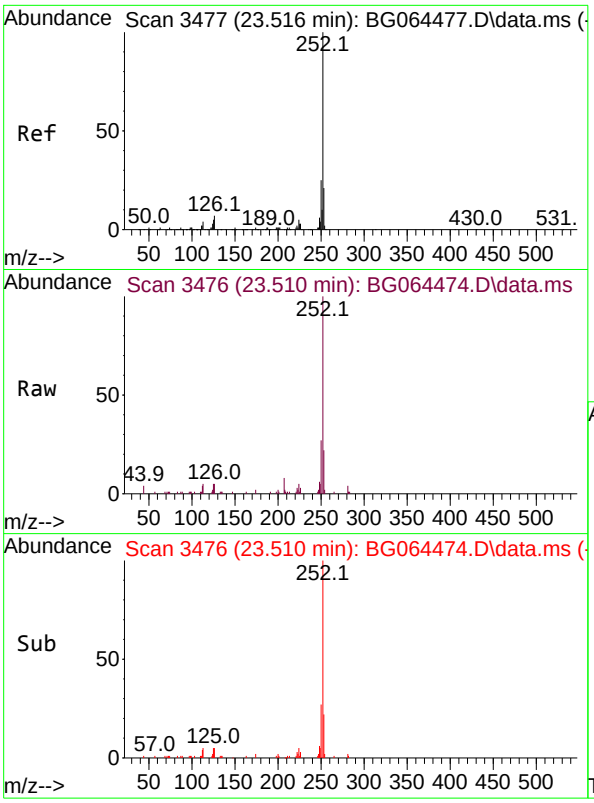


#88
Benzo(b)fluoranthene
Concen: 4.734 ng m
RT: 23.440 min Scan# 3464
Delta R.T. -0.009 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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#

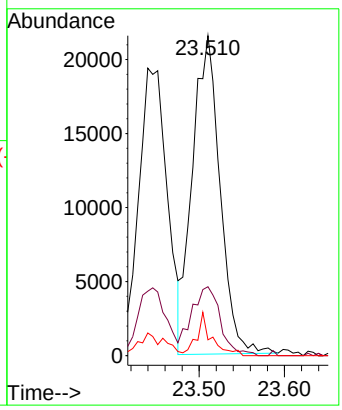




#89
Benzo(k)fluoranthene
Concen: 4.970 ng
RT: 23.510 min Scan# 34
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

Tgt Ion:252 Resp: 4840

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	4.9	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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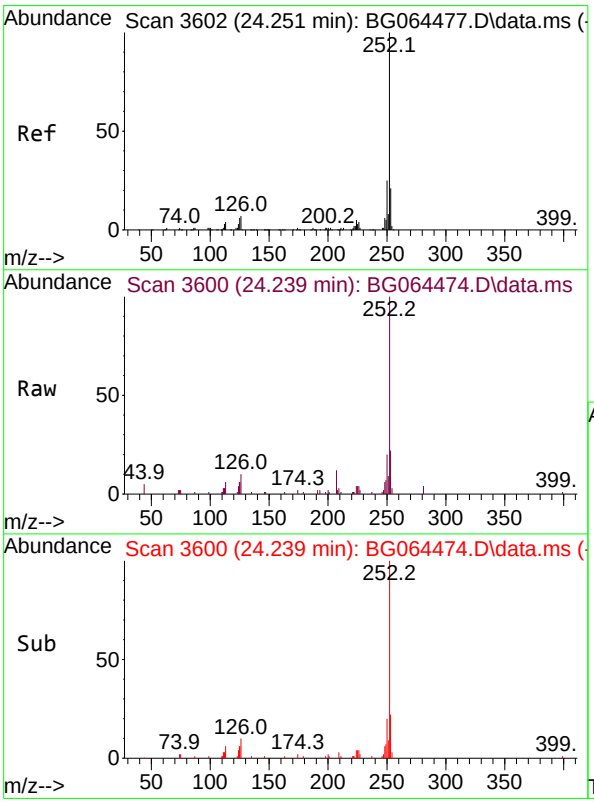
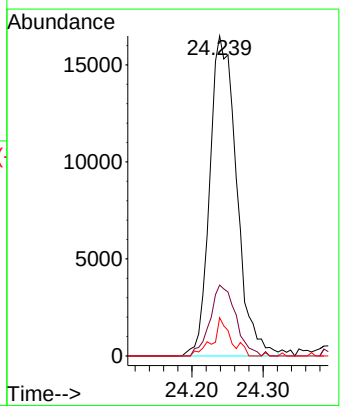
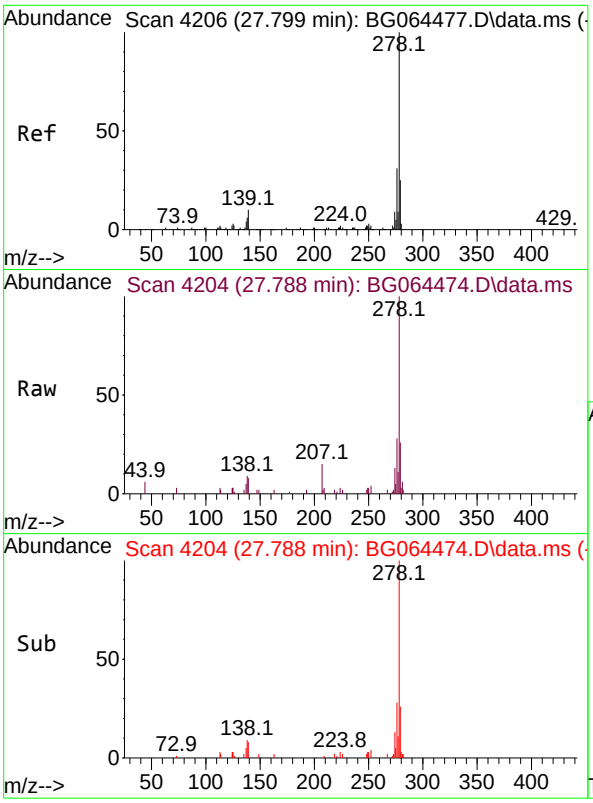


#90
Benzo(a)pyrene
Concen: 4.849 ng
RT: 24.239 min Scan# 3600
Delta R.T. -0.009 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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#

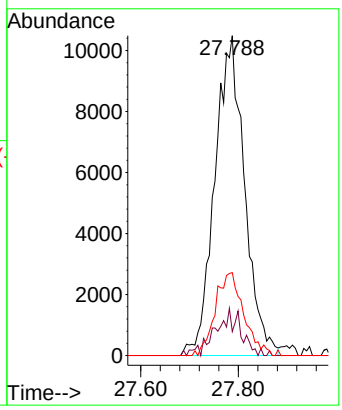




#91
Dibenzo(a,h)anthracene
Concen: 4.703 ng
RT: 27.788 min Scan# 4
Delta R.T. 0.008 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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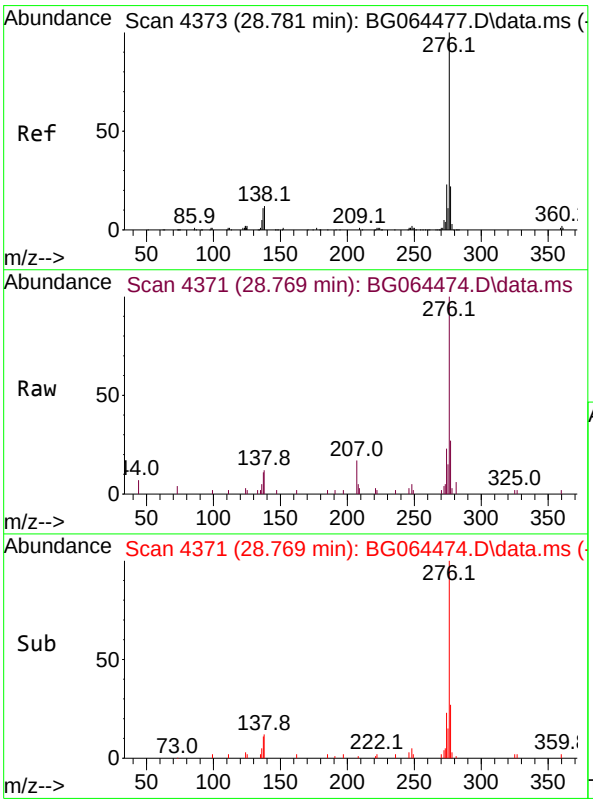
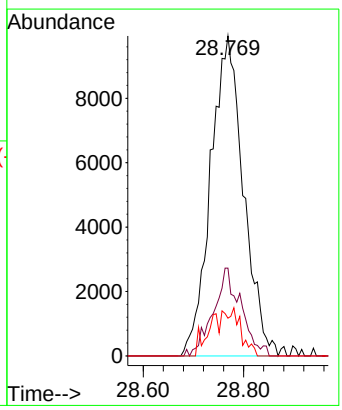


#92
Benzo(g,h,i)perylene
Concen: 4.896 ng
RT: 28.769 min Scan# 4371
Delta R.T. 0.002 min
Lab File: BG064474.D
Acq: 2 Oct 2025 9:42

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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/03/2025

Supervised By :Jagrut Upadhyay

10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.829	152	19357	20.000	ng		# 0.00
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
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

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Data File : BG064476.D
Acq On : 2 Oct 2025 11:33
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/03/2025

Supervised By :Jagrut Upadhyay

10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.958	196	28101	18.678	ng		89
46) 1,1'-Biphenyl	13.281	154	92485	19.695	ng		99
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
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

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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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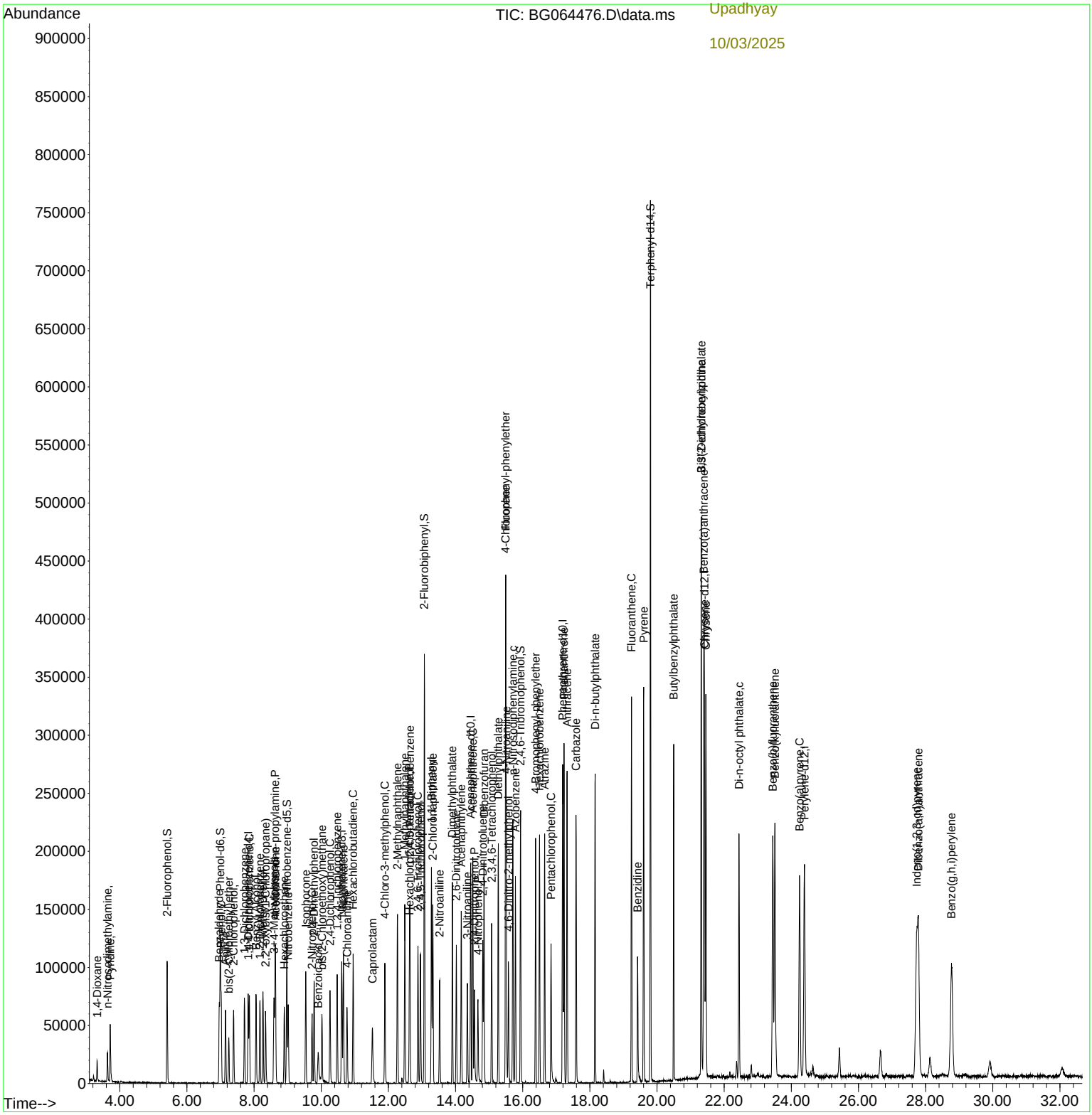
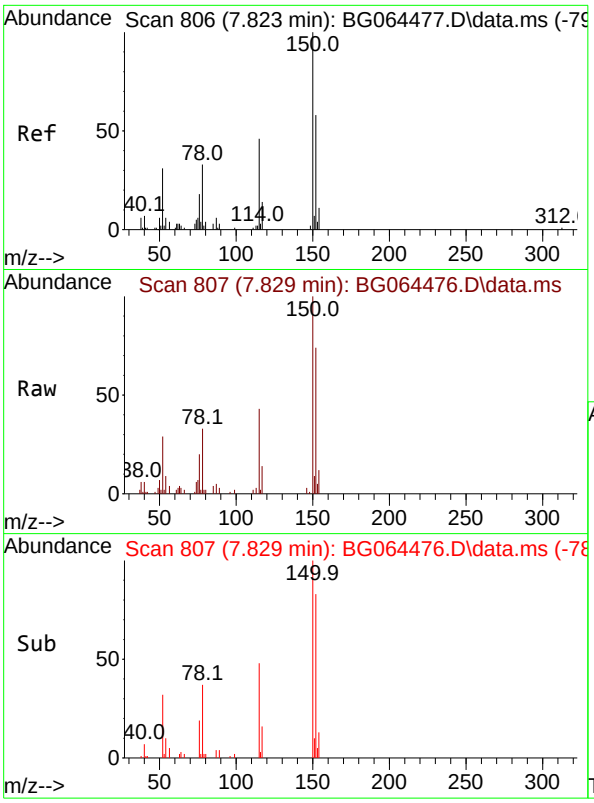
10/03/2025

Supervised By :Jagrut Upadhyay

10/03/2025

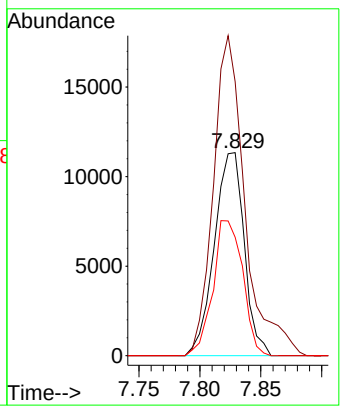




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.829 min Scan# 8(
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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#



Instrument :
BNA_G
ClientSampleId :
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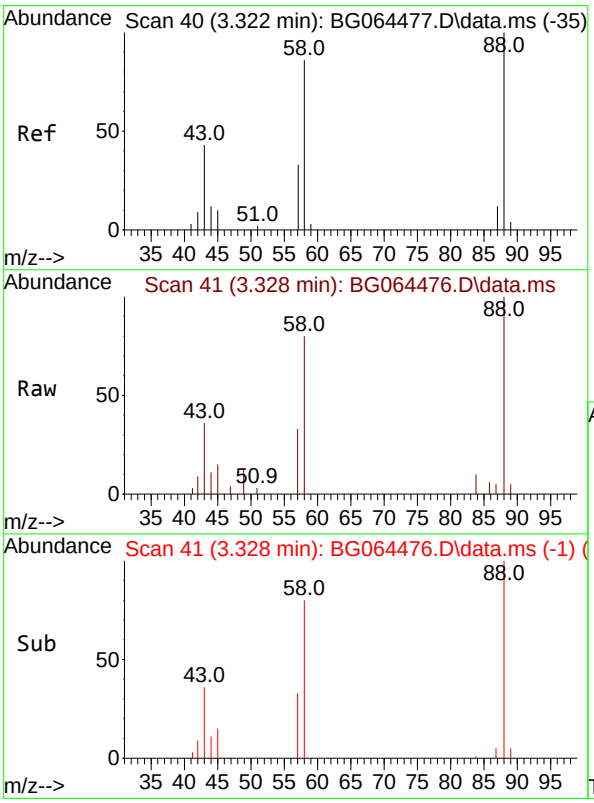
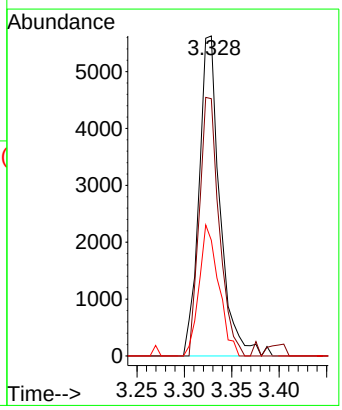
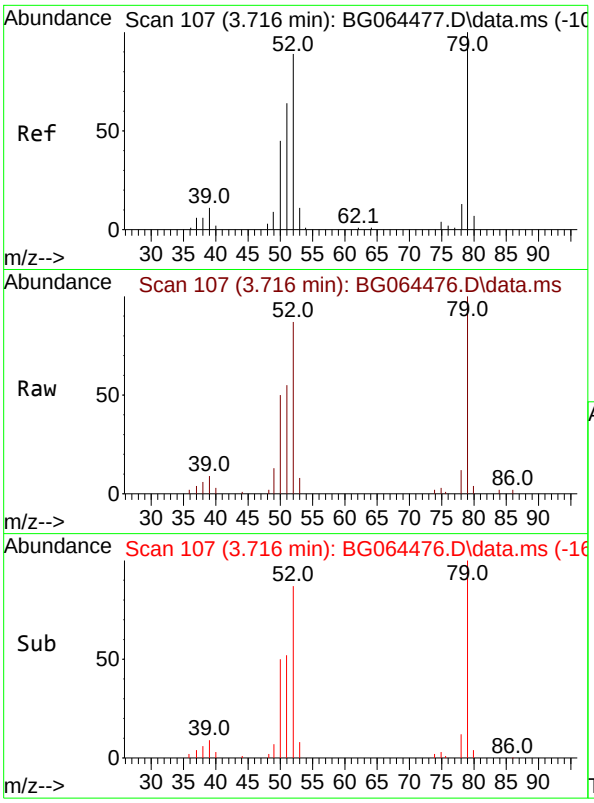


#2
1,4-Dioxane
Concen: 20.918 ng
RT: 3.328 min Scan# 41
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

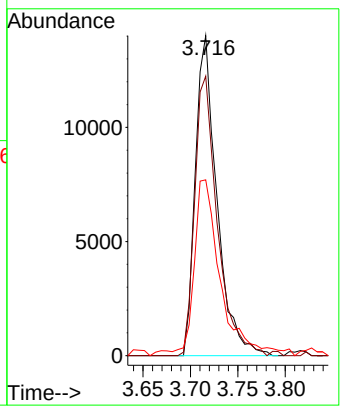




#3
Pyridine
Concen: 19.971 ng
RT: 3.716 min Scan# 1(
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 79 Resp: 2220

Ion	Ratio	Lower	Upper
79	100		
52	87.3	71.0	106.4
51	54.9	51.0	76.6



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED

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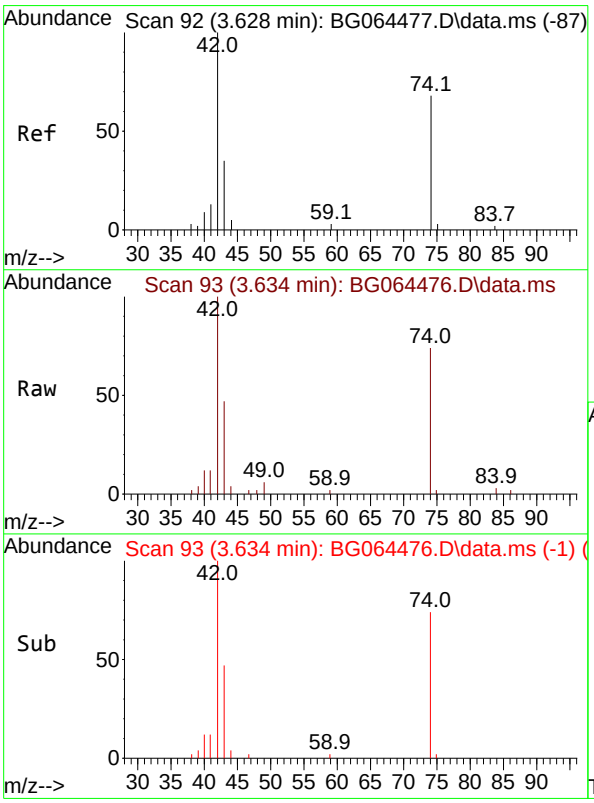
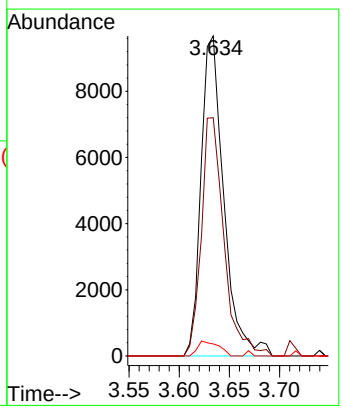
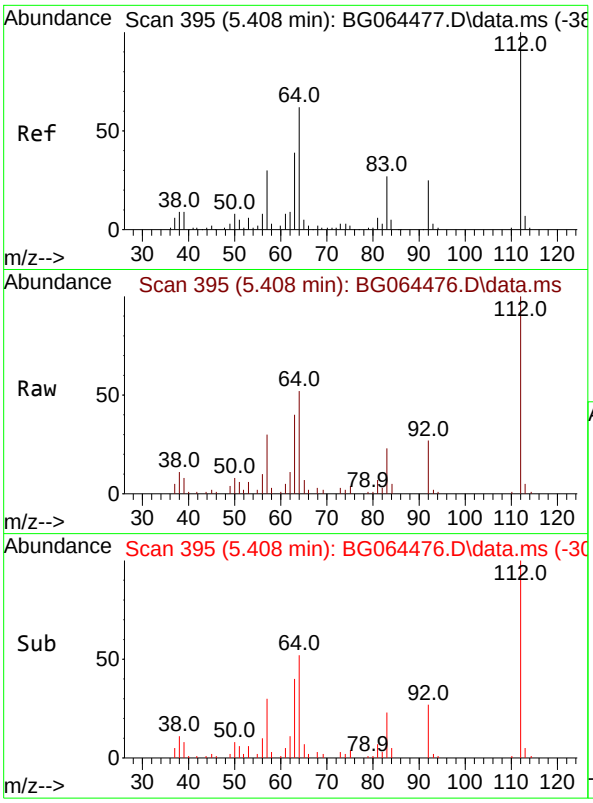


#4
n-Nitrosodimethylamine
Concen: 18.981 ng
RT: 3.634 min Scan# 93
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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#

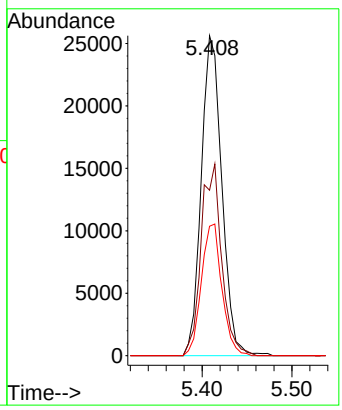




#5
2-Fluorophenol
Concen: 38.992 ng
RT: 5.408 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:112 Resp: 4078

Ion	Ratio	Lower	Upper
112	100		
64	51.7	49.8	74.8
63	40.4	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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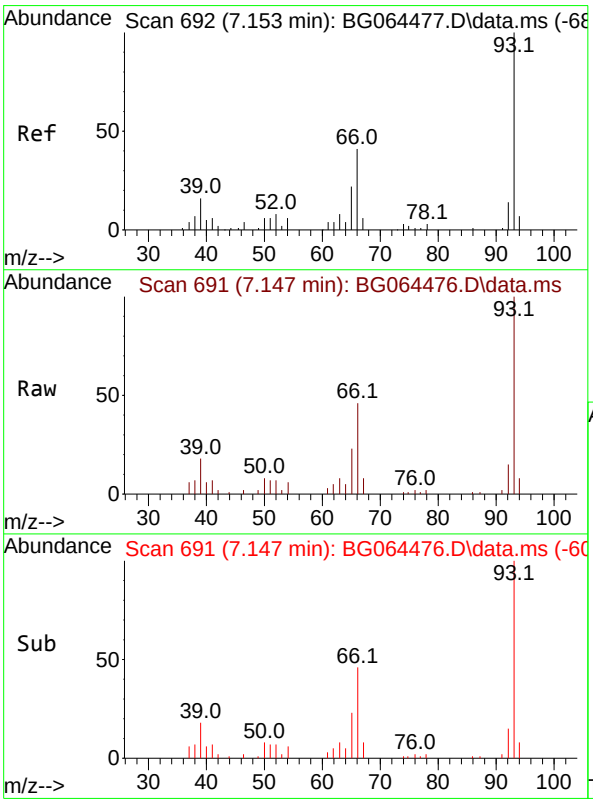
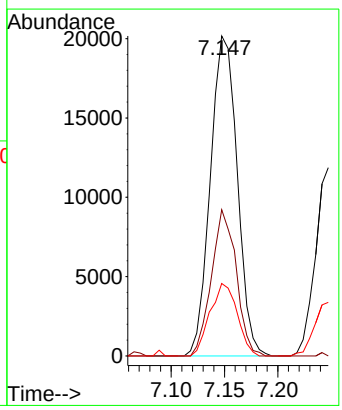
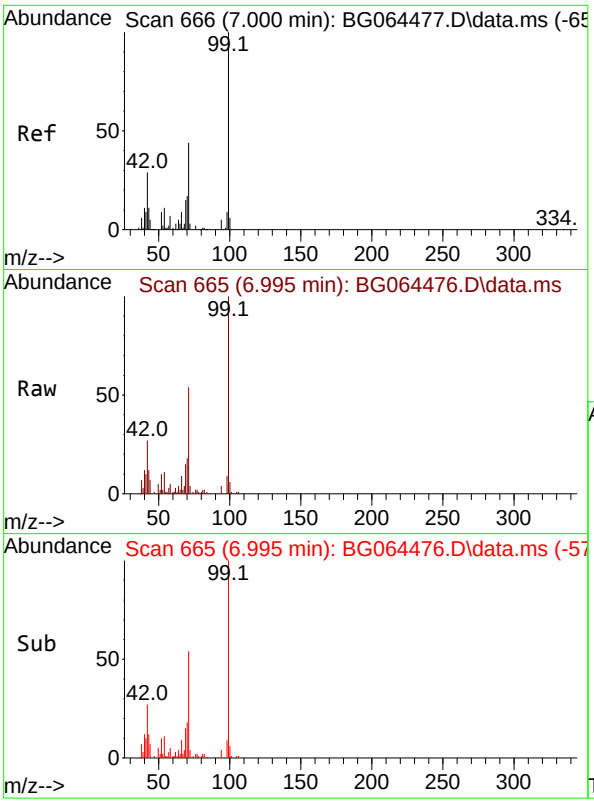


#6
Aniline
Concen: 19.945 ng
RT: 7.147 min Scan# 691
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

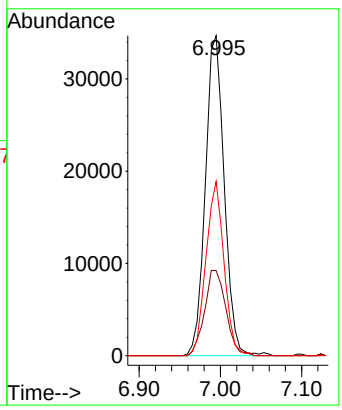




#7
Phenol-d6
Concen: 39.819 ng
RT: 6.995 min Scan# 6
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 99 Resp: 5596

Ion	Ratio	Lower	Upper
99	100		
42	26.6	22.9	34.3
71	54.5	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
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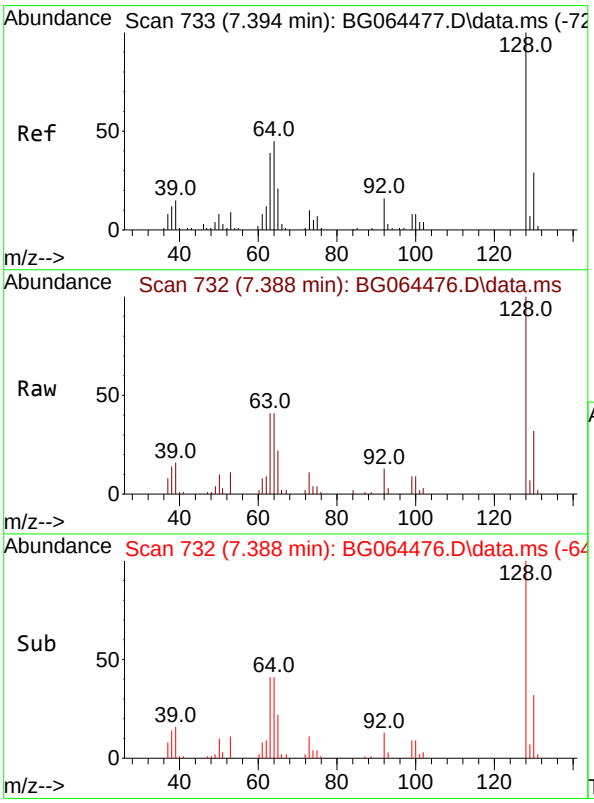
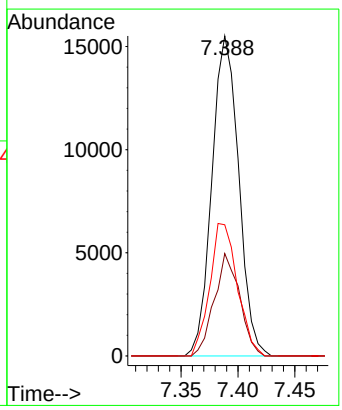
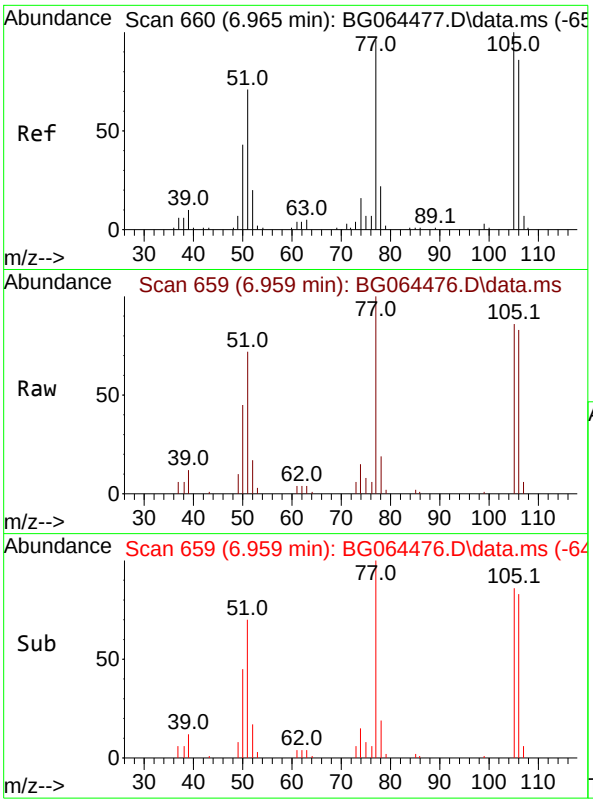


#8
2-Chlorophenol
Concen: 19.771 ng
RT: 7.388 min Scan# 732
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

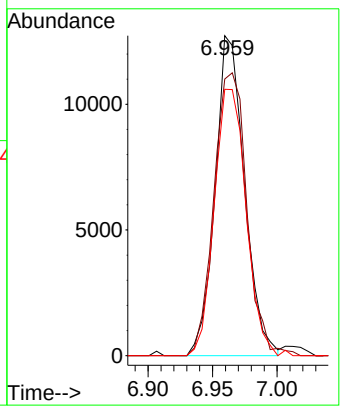




#9
Benzaldehyde
Concen: 16.115 ng m
RT: 6.959 min Scan# 6
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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



Instrument :
BNA_G
ClientSampleId :
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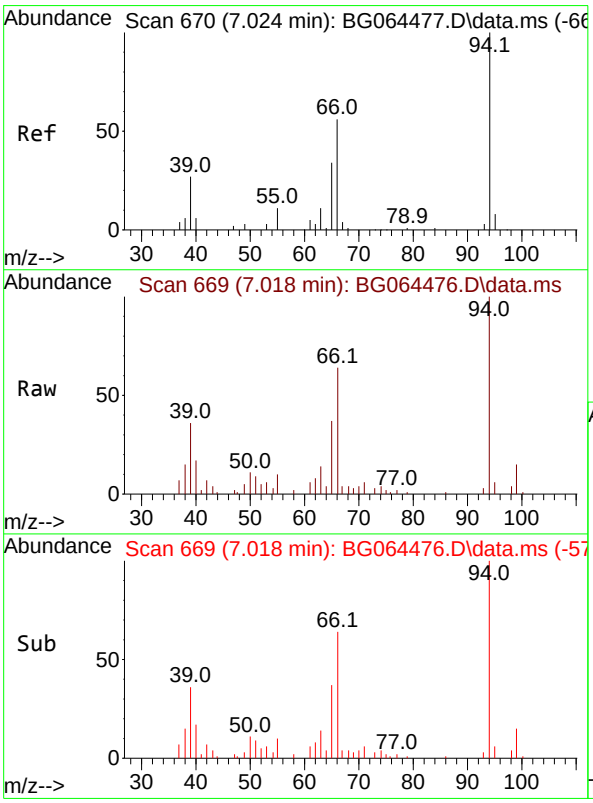
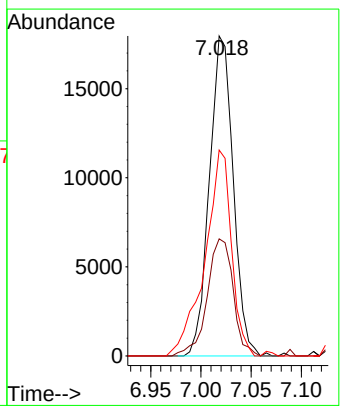
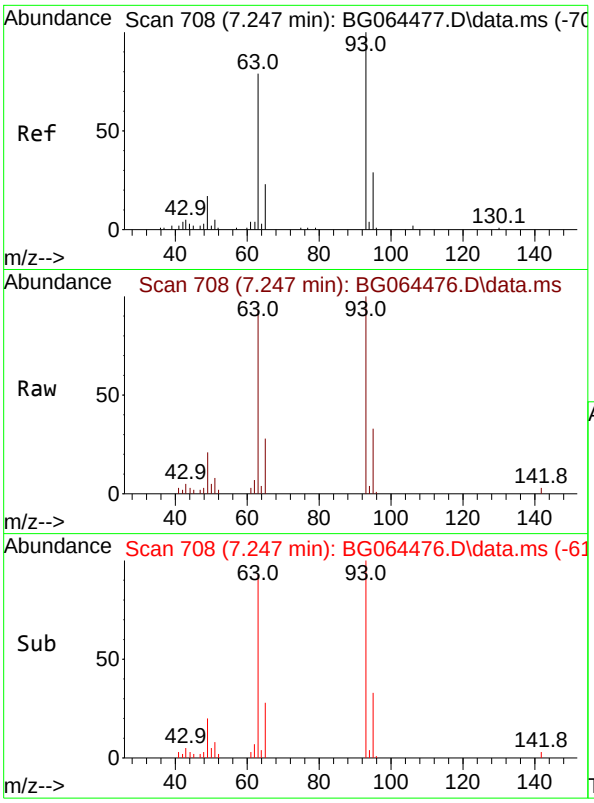


#10
Phenol
Concen: 19.971 ng
RT: 7.018 min Scan# 669
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

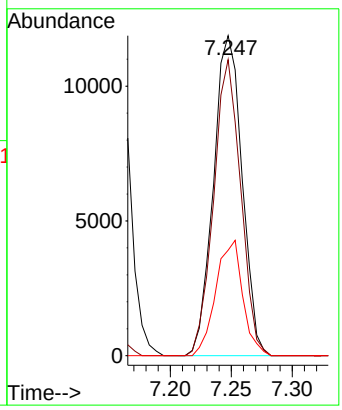




#11
bis(2-Chloroethyl)ether
Concen: 19.313 ng
RT: 7.247 min Scan# 7
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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



Instrument :
BNA_G
ClientSampleId :
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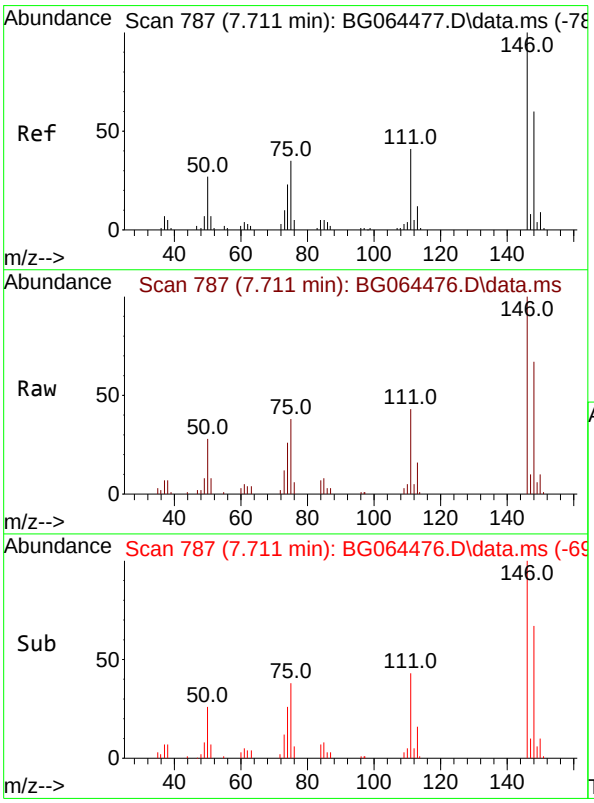
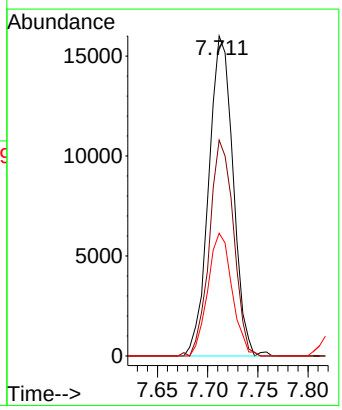
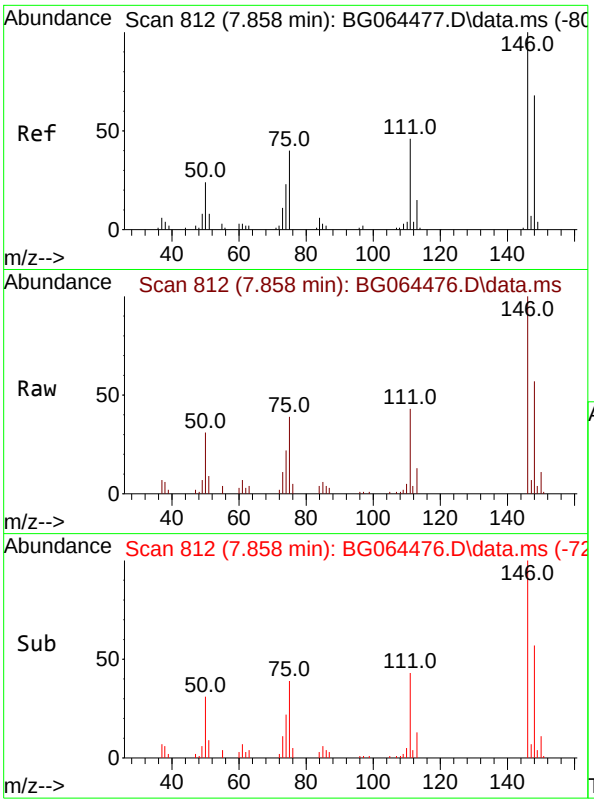


#12
1,3-Dichlorobenzene
Concen: 19.226 ng
RT: 7.711 min Scan# 787
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

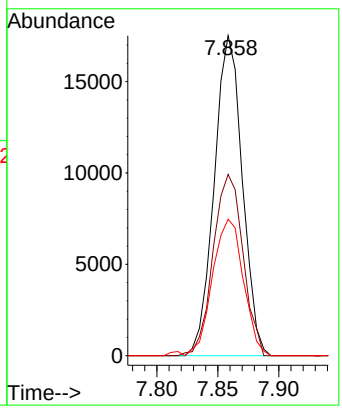




#13
1,4-Dichlorobenzene
Concen: 19.936 ng
RT: 7.858 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:146 Resp: 2811

Ion	Ratio	Lower	Upper
146	100		
148	56.7	54.4	81.6
111	42.7	36.5	54.7



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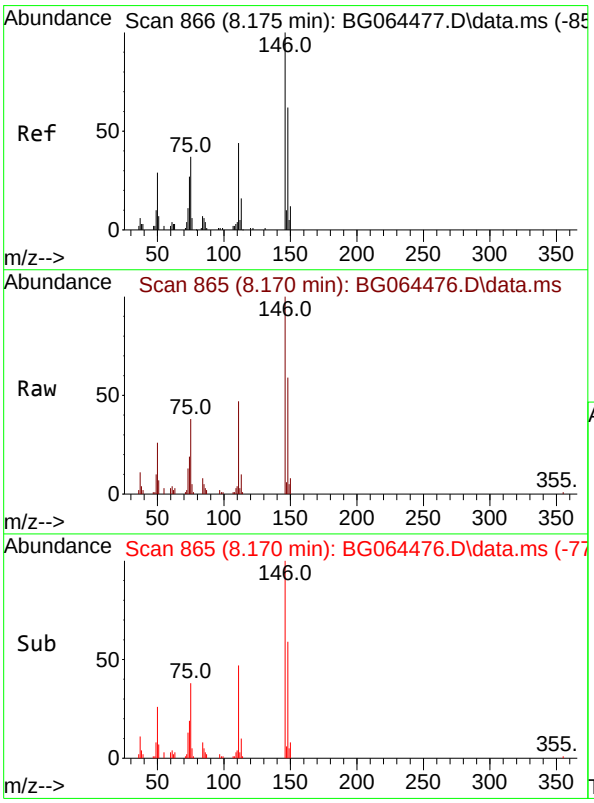
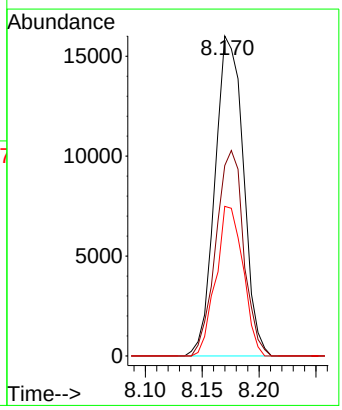
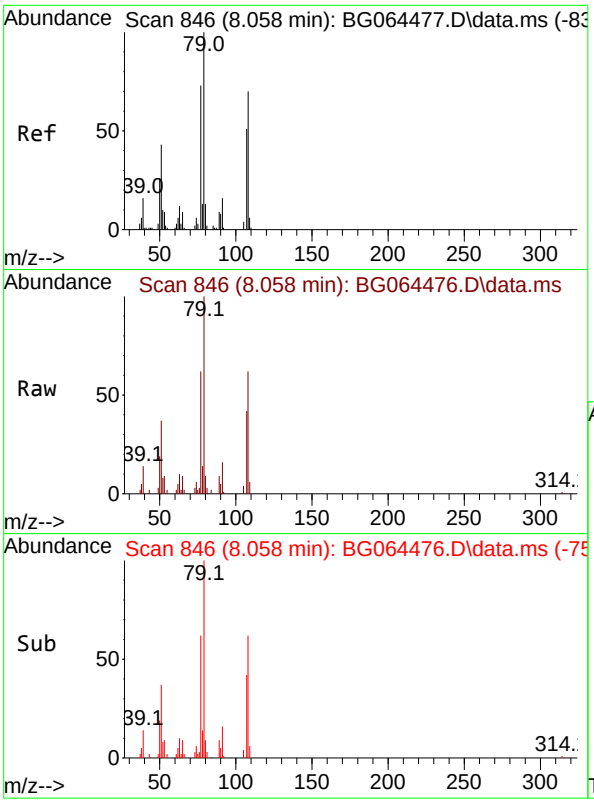


#14
1,2-Dichlorobenzene
Concen: 19.980 ng
RT: 8.170 min Scan# 865
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

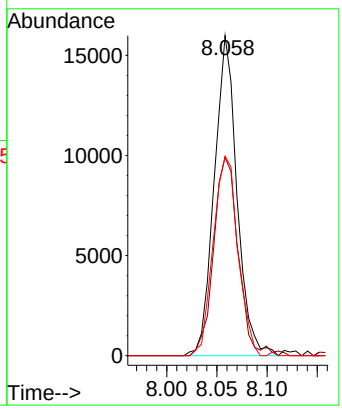




#15
Benzyl Alcohol
Concen: 19.441 ng
RT: 8.058 min Scan# 84
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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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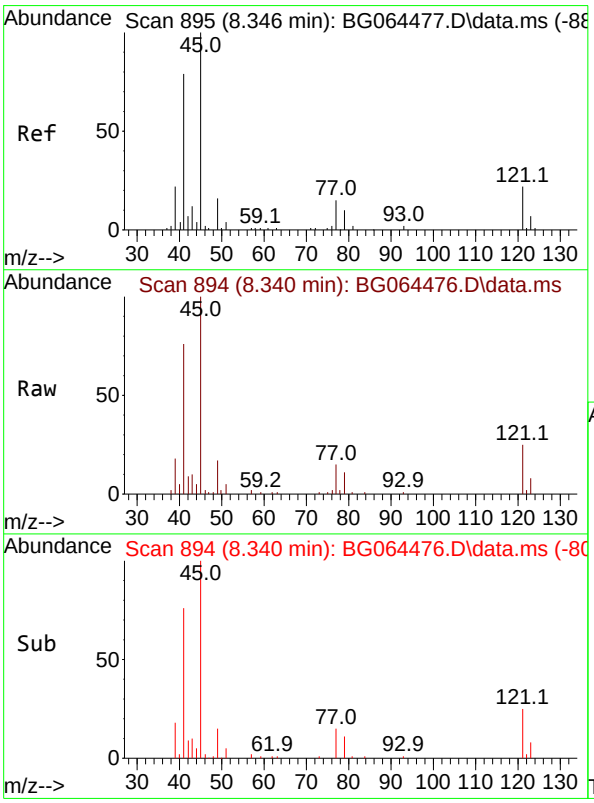
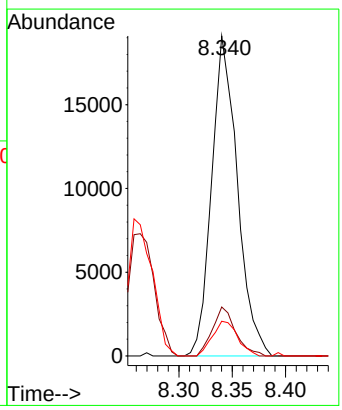
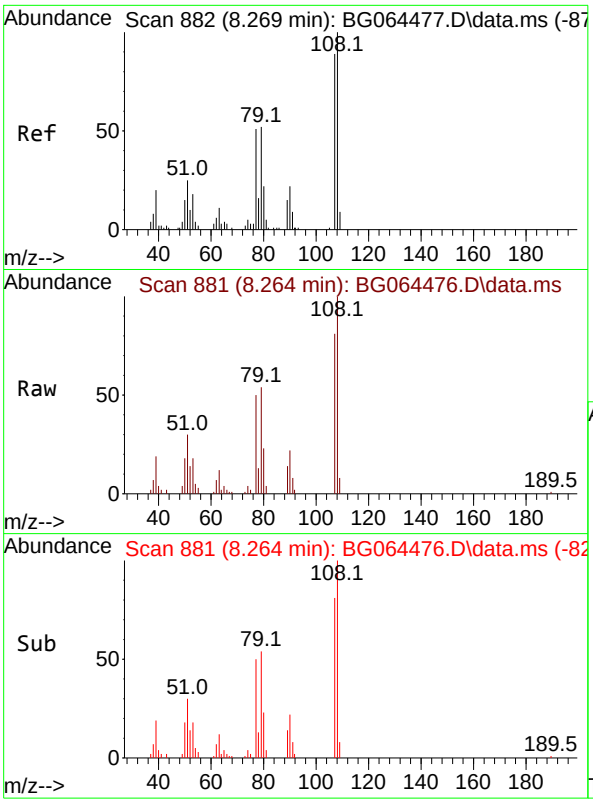


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.821 ng
RT: 8.340 min Scan# 894
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

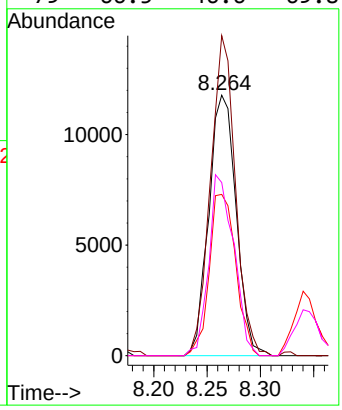




#17
2-Methylphenol
Concen: 19.589 ng
RT: 8.264 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:107 Resp: 2103

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



Instrument :
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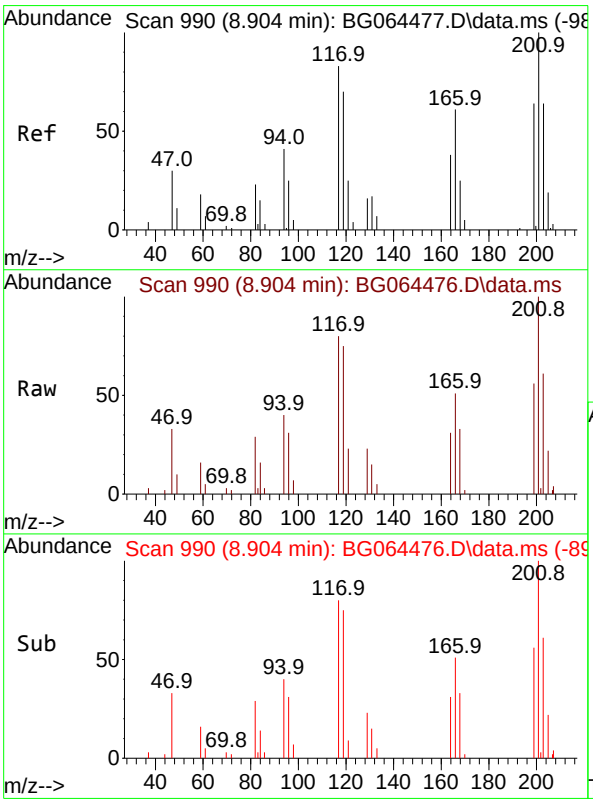
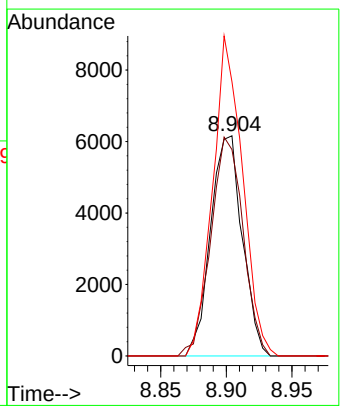
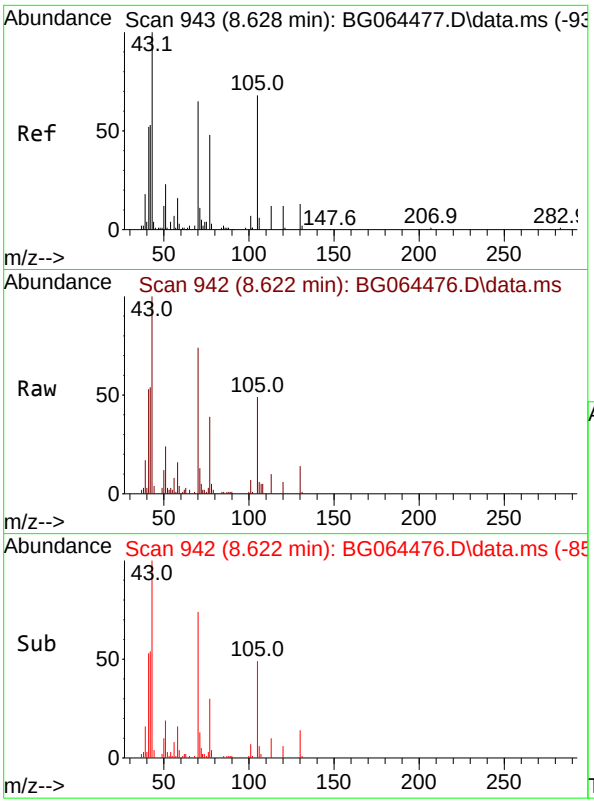


#18
Hexachloroethane
Concen: 18.581 ng
RT: 8.904 min Scan# 990
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

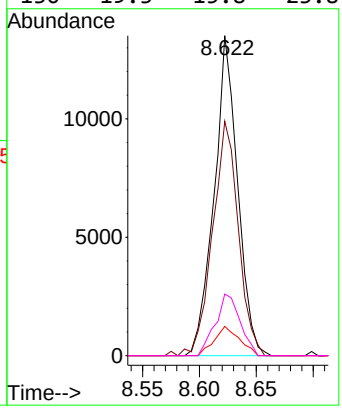




#19
n-Nitroso-di-n-propylamine
Concen: 20.713 ng
RT: 8.622 min Scan# 94
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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



Instrument :
BNA_G
ClientSampleId :
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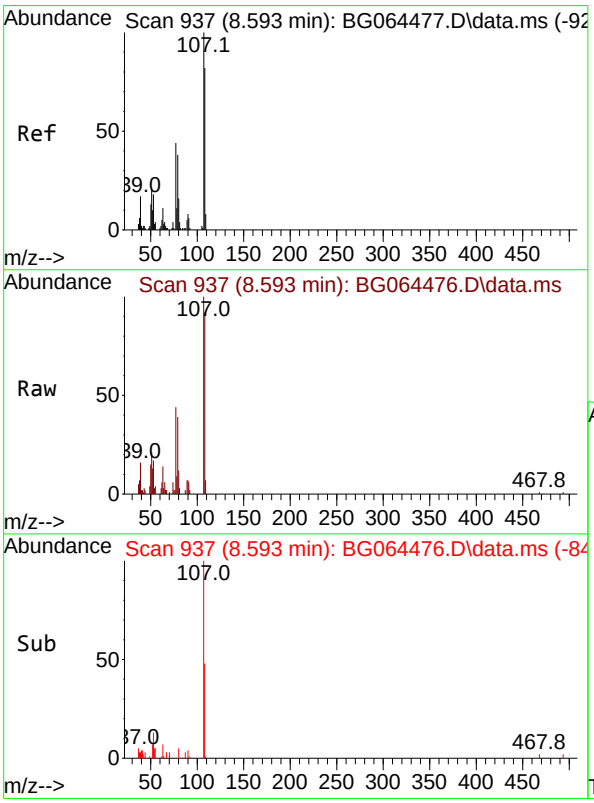
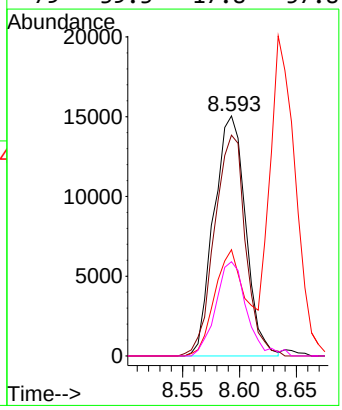
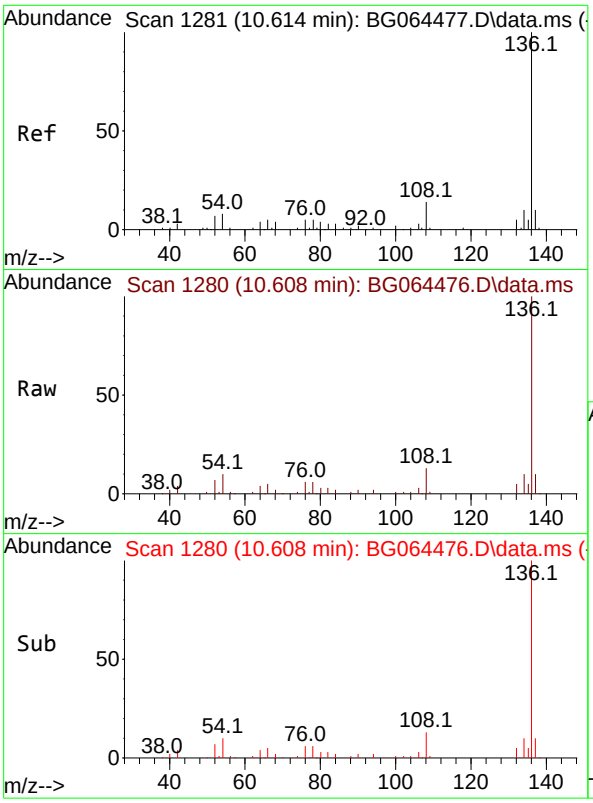


#20
3+4-Methylphenols
Concen: 19.505 ng
RT: 8.593 min Scan# 937
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

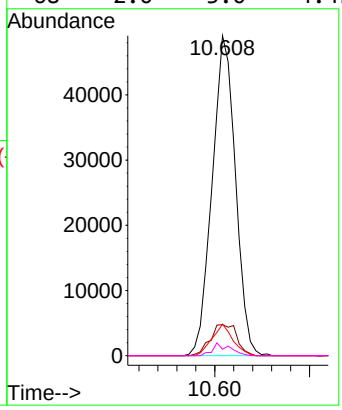




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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#



Instrument :
BNA_G
ClientSampleId :
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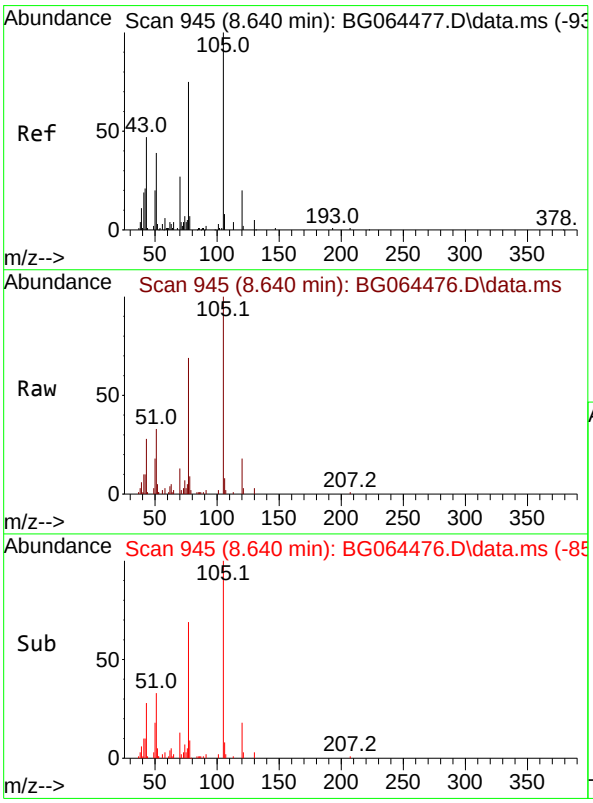
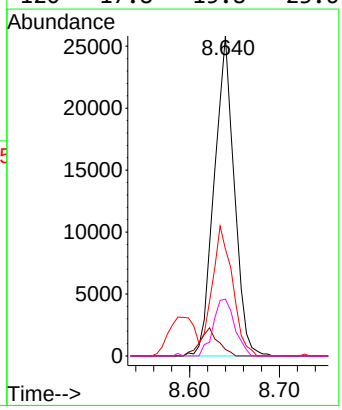
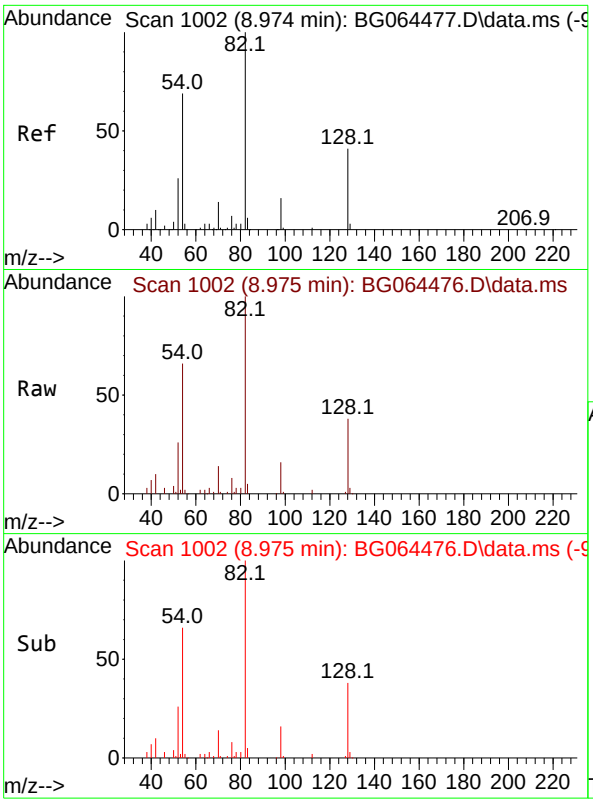


#22
Acetophenone
Concen: 19.687 ng
RT: 8.640 min Scan# 945
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

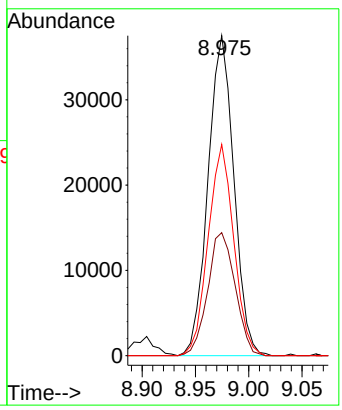




#23
Nitrobenzene-d5
Concen: 40.610 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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



Instrument :
BNA_G
ClientSampleId :
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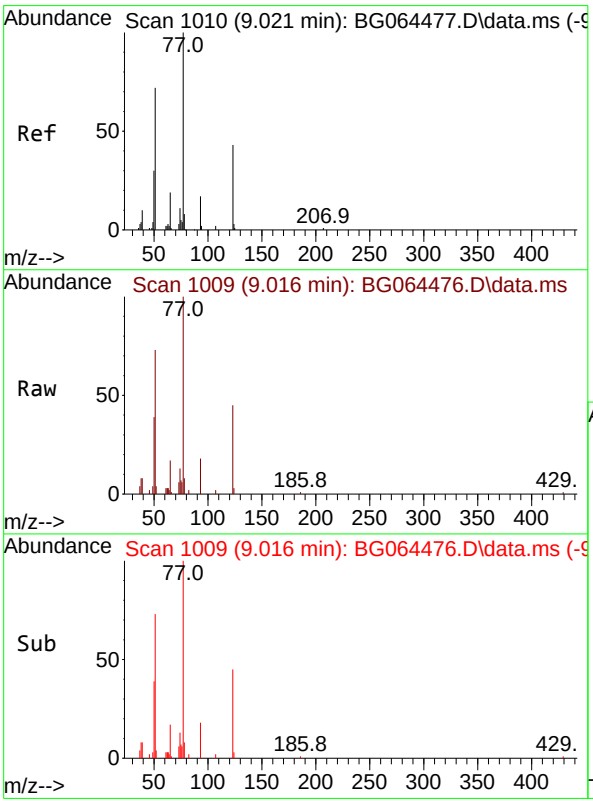
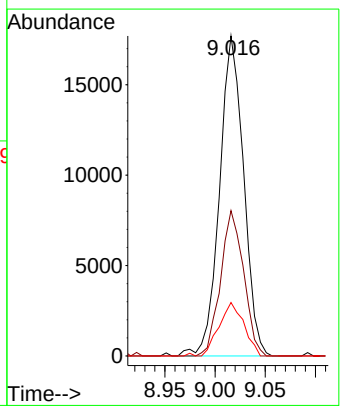
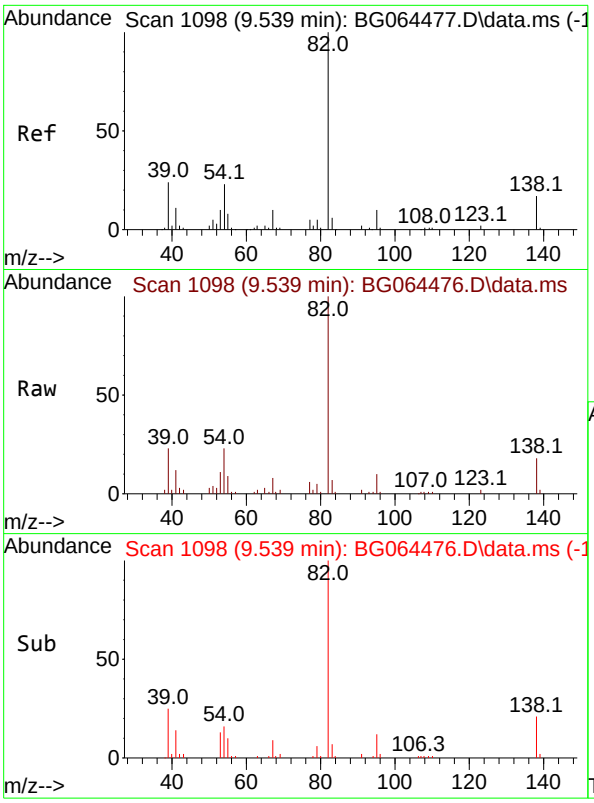


#24
Nitrobenzene
Concen: 18.981 ng
RT: 9.016 min Scan# 1009
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

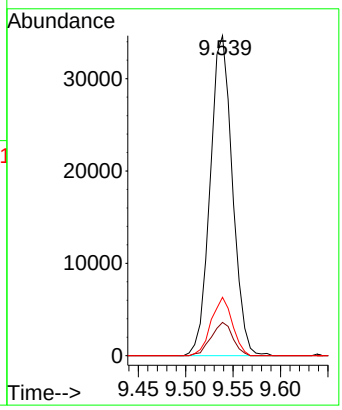




#25
Isophorone
Concen: 20.004 ng
RT: 9.539 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 82 Resp: 5653

Ion	Ratio	Lower	Upper
82	100		
95	10.4	7.8	11.8
138	18.3	13.8	20.6



Instrument :
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ClientSampleId :
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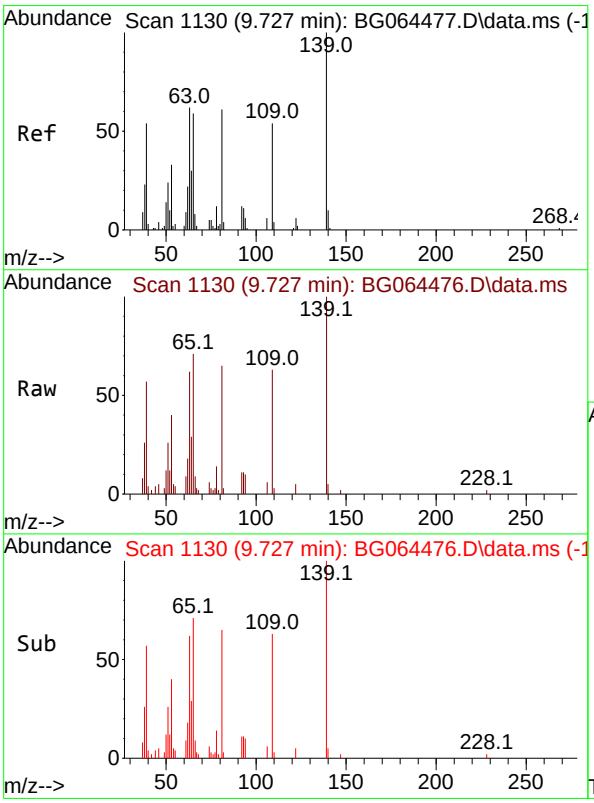
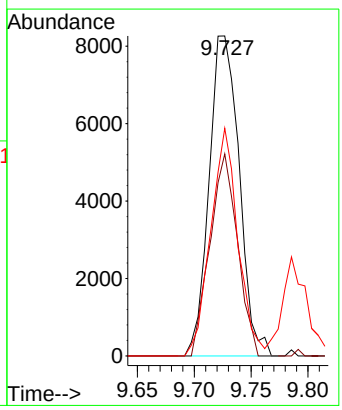
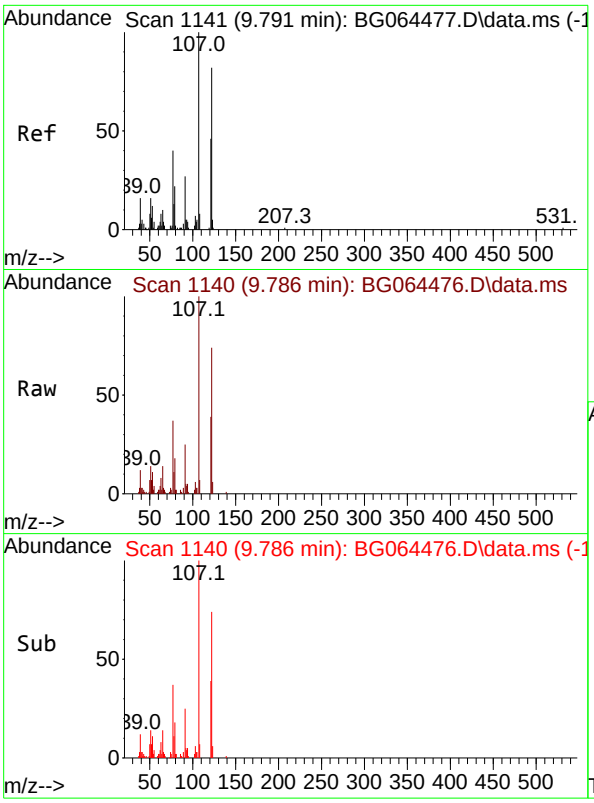


#26
2-Nitrophenol
Concen: 19.641 ng
RT: 9.727 min Scan# 1130
Delta R.T. 0.008 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

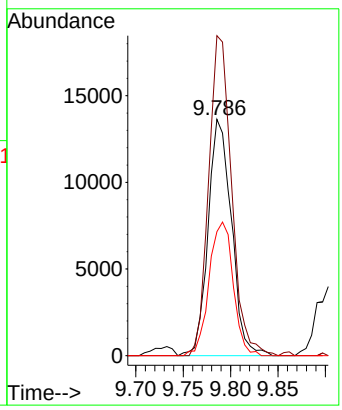




#27
2,4-Dimethylphenol
Concen: 19.778 ng
RT: 9.786 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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



Instrument :
BNA_G
ClientSampleId :
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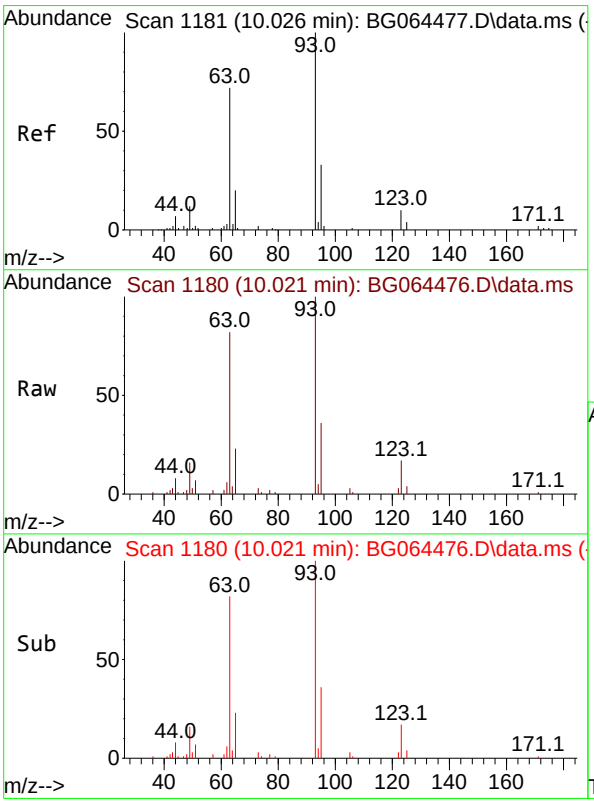
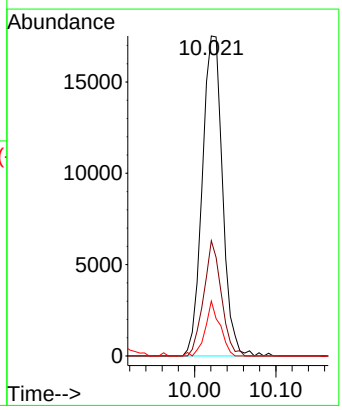
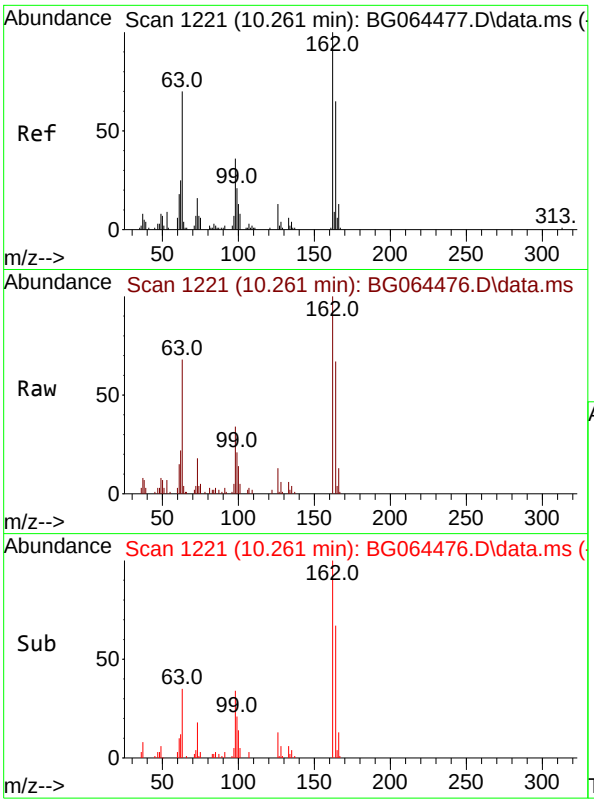


#28
bis(2-Chloroethoxy)methane
Concen: 21.017 ng
RT: 10.021 min Scan# 1180
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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#

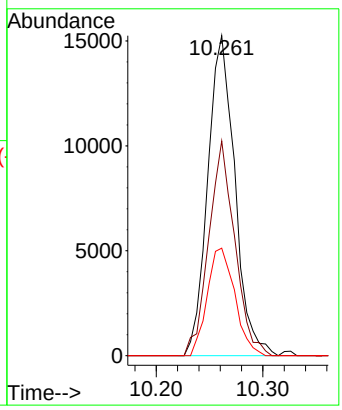




#29
2,4-Dichlorophenol
Concen: 19.691 ng
RT: 10.261 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:162 Resp: 2692

Ion	Ratio	Lower	Upper
162	100		
164	67.1	45.4	85.4
98	33.6	16.4	56.4



Instrument :
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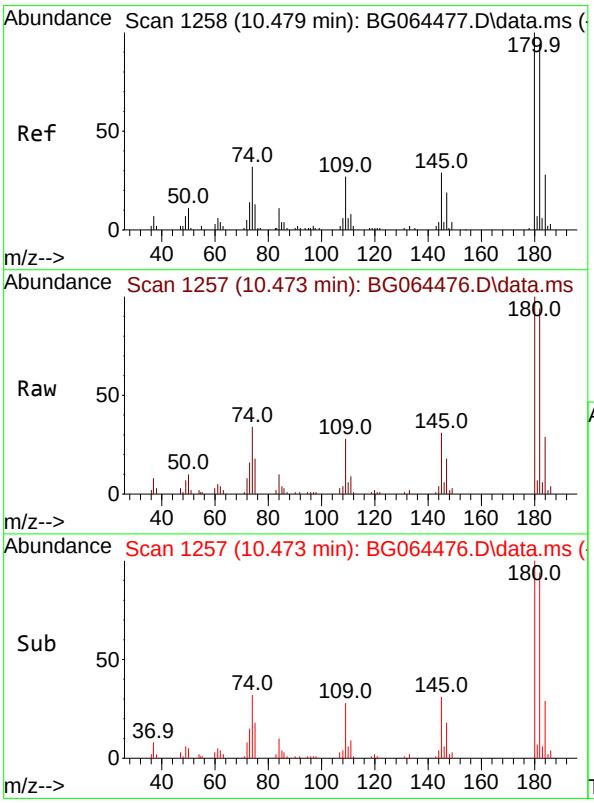
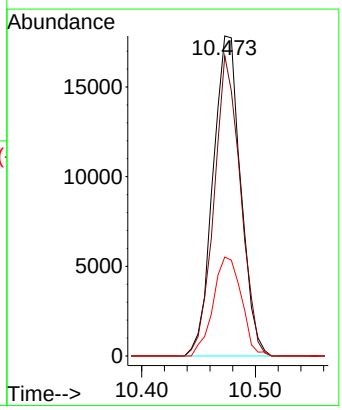
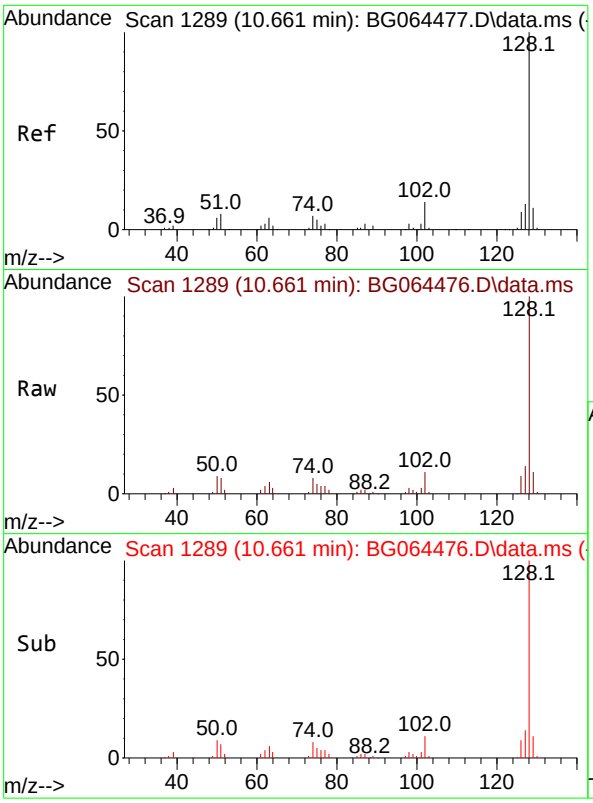


#30
1,2,4-Trichlorobenzene
Concen: 20.255 ng
RT: 10.473 min Scan# 1257
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

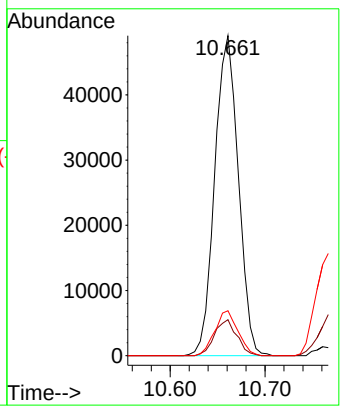




#31
Naphthalene
Concen: 19.671 ng
RT: 10.661 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:128 Resp: 8497

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	14.0	10.2	15.2



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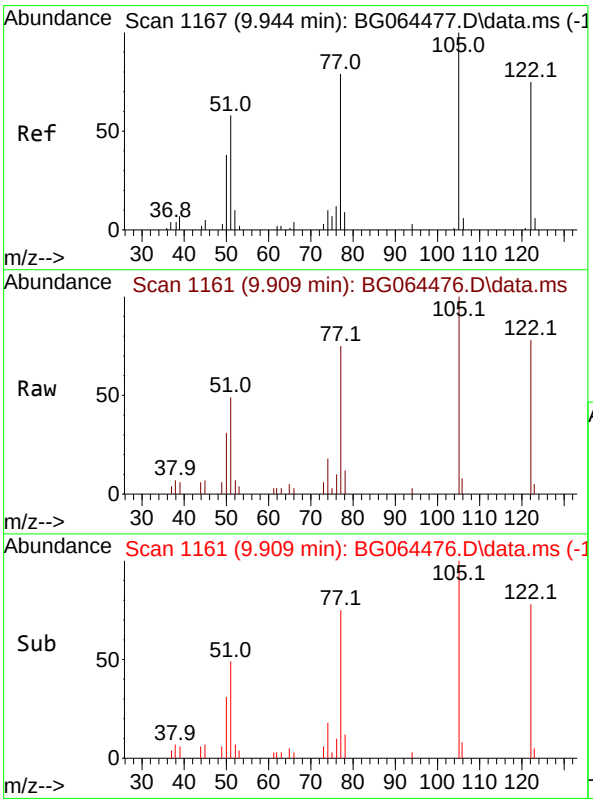
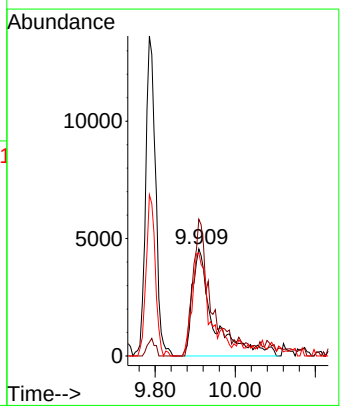
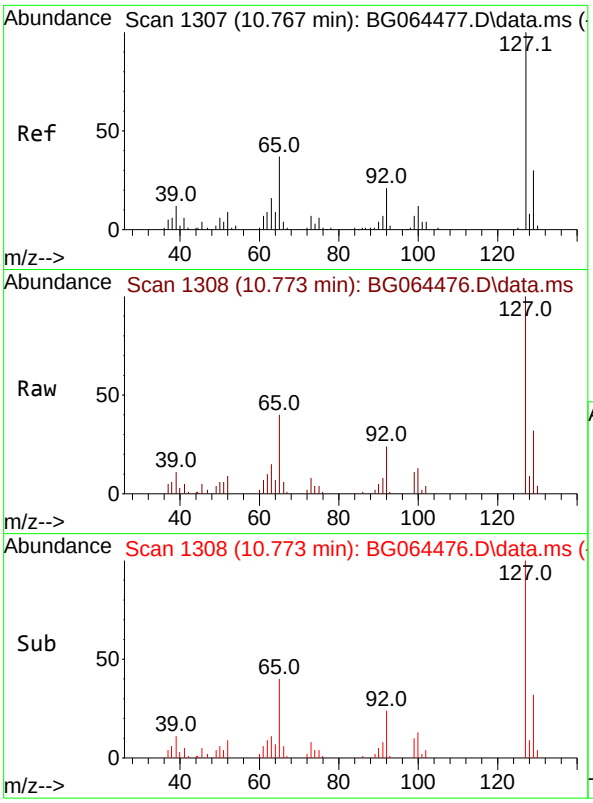


#32
Benzoic acid
Concen: 18.305 ng m
RT: 9.909 min Scan# 1161
Delta R.T. 0.020 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

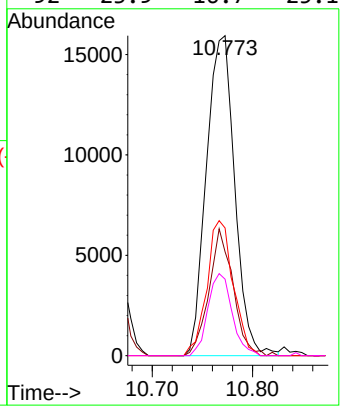




#33
4-Chloroaniline
Concen: 18.874 ng
RT: 10.773 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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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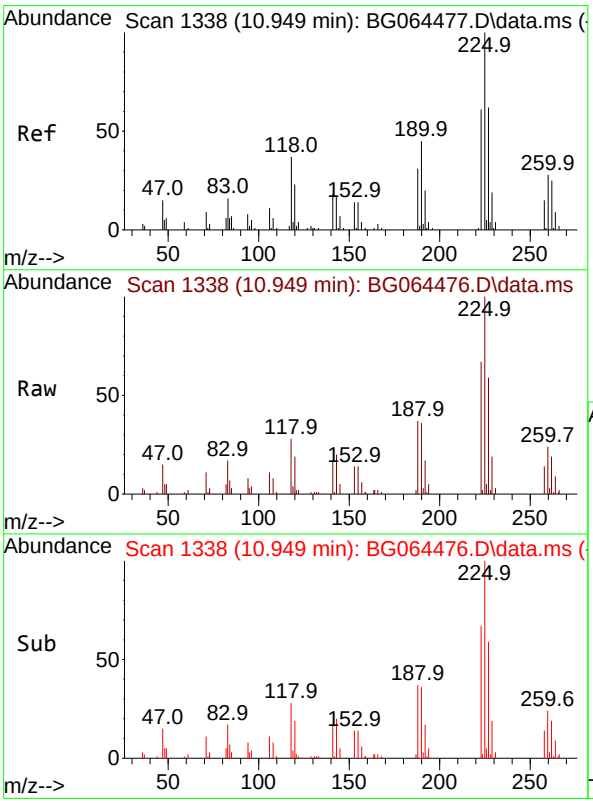
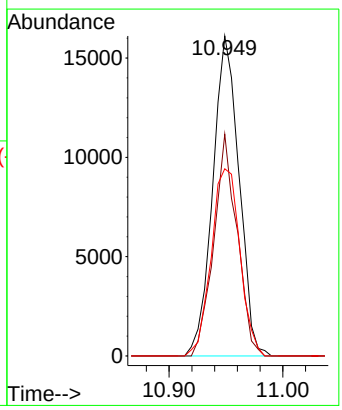
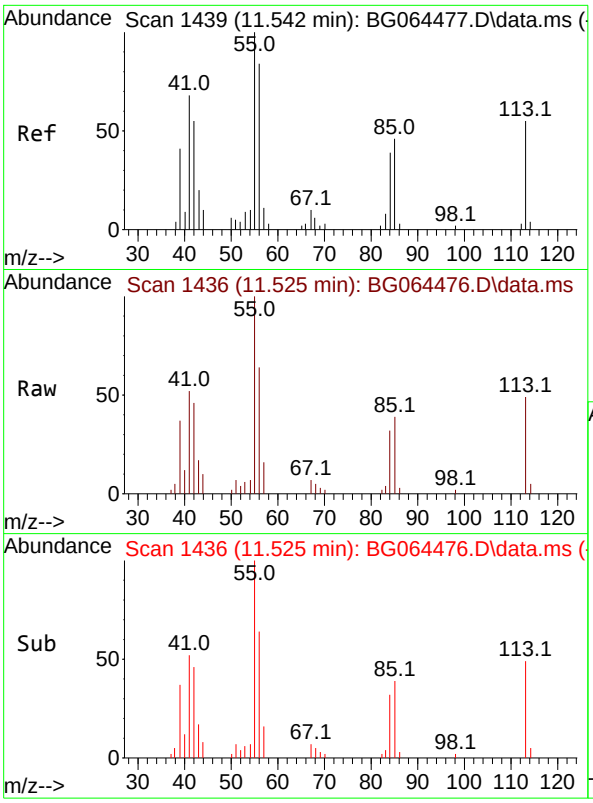


#34
Hexachlorobutadiene
Concen: 20.205 ng
RT: 10.949 min Scan# 1338
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

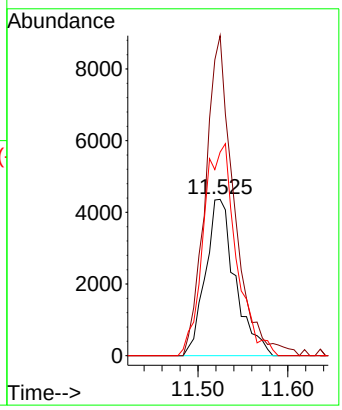




#35
Caprolactam
Concen: 21.453 ng
RT: 11.525 min Scan# 14
Delta R.T. 0.014 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:113 Resp: 1004

Ion	Ratio	Lower	Upper
113	100		
55	204.7	162.0	202.0#
56	130.1	134.6	174.6#



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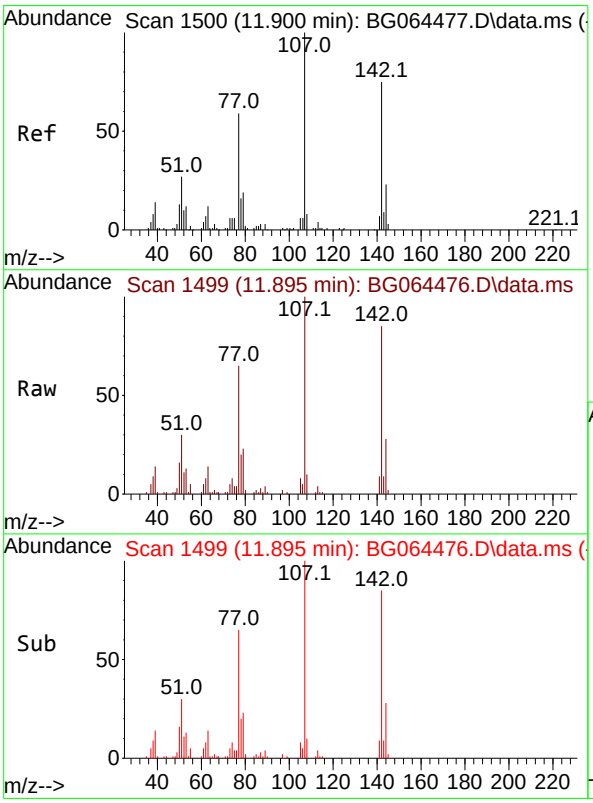
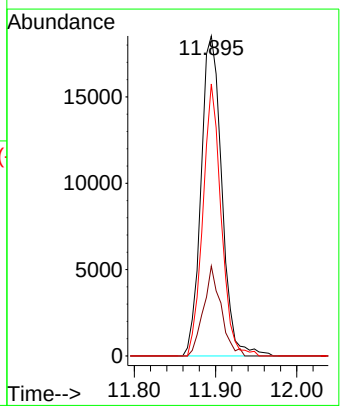
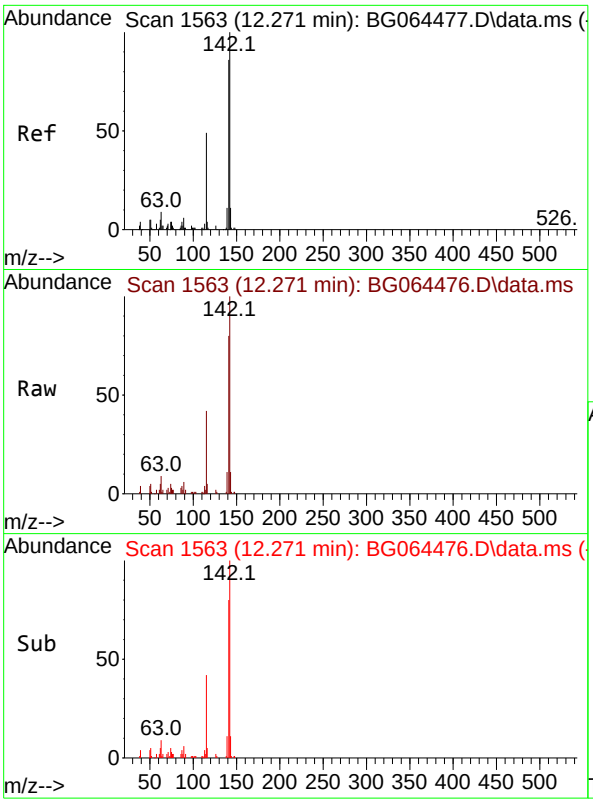


#36
4-Chloro-3-methylphenol
Concen: 19.795 ng
RT: 11.895 min Scan# 1499
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

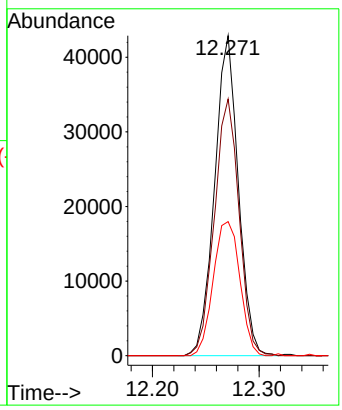




#37
2-Methylnaphthalene
Concen: 19.995 ng
RT: 12.271 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:142 Resp: 6630

Ion	Ratio	Lower	Upper
142	100		
141	80.2	68.7	103.1
115	41.9	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
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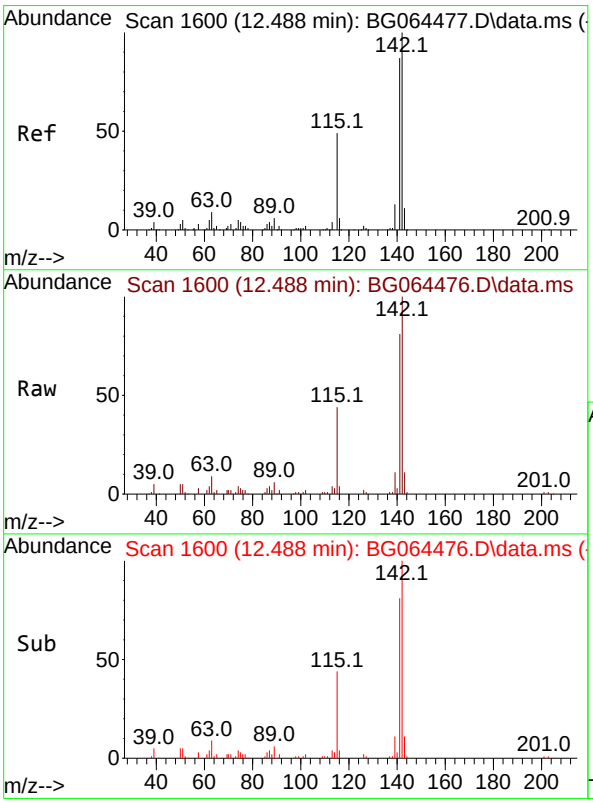
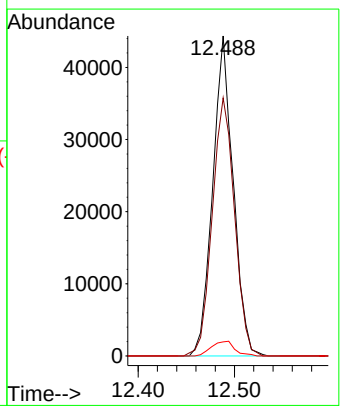
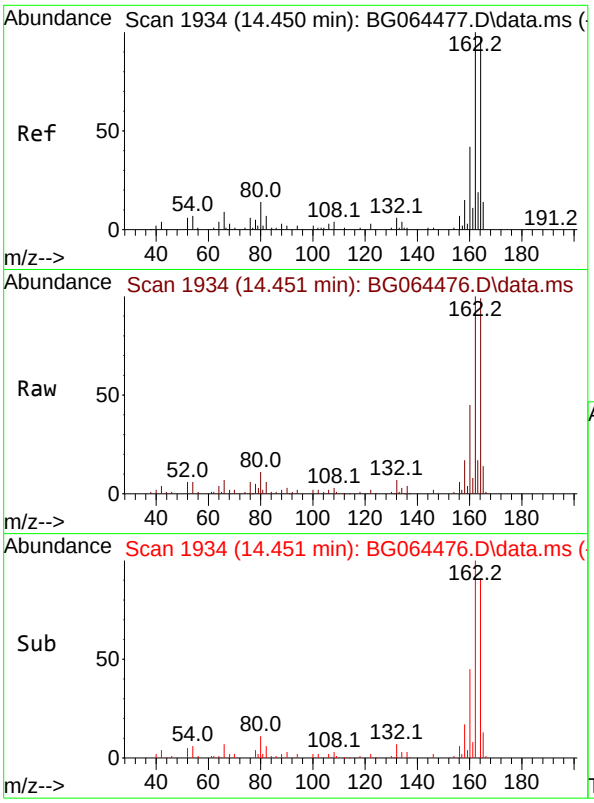


#38
1-Methylnaphthalene
Concen: 19.840 ng m
RT: 12.488 min Scan# 1600
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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#

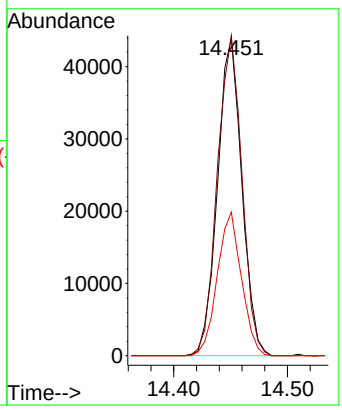




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:164 Resp: 6528

Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	45.3	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
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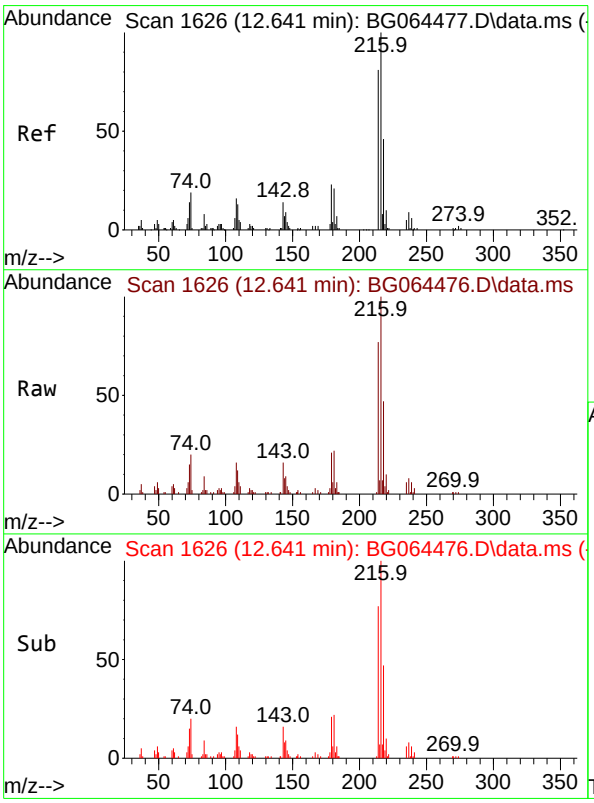
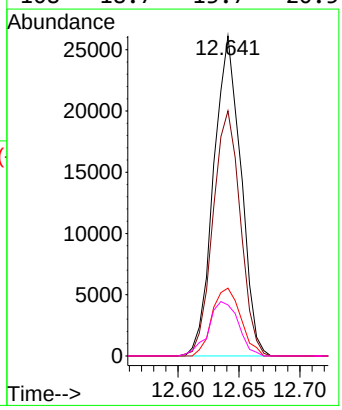
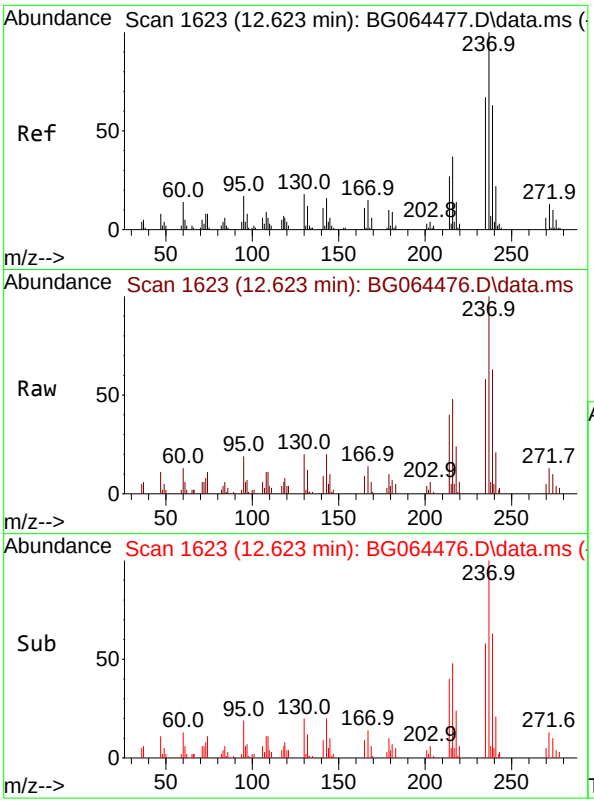


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.252 ng
RT: 12.641 min Scan# 1626
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

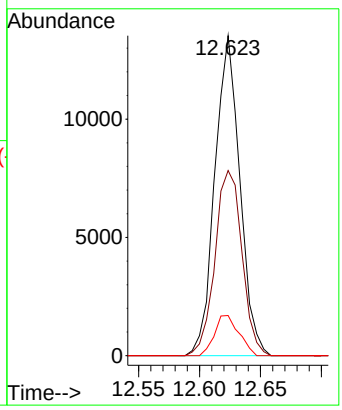




#41
Hexachlorocyclopentadiene
Concen: 17.510 ng
RT: 12.623 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:237 Resp: 1930

Ion	Ratio	Lower	Upper
237	100		
235	57.9	46.9	86.9
272	12.5	0.0	32.6



Instrument :
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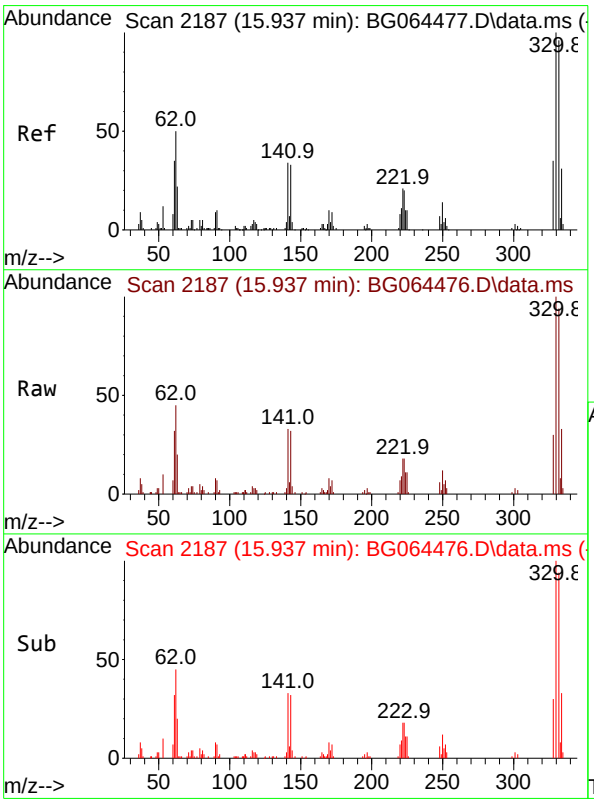
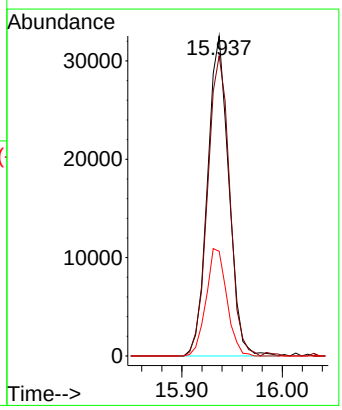
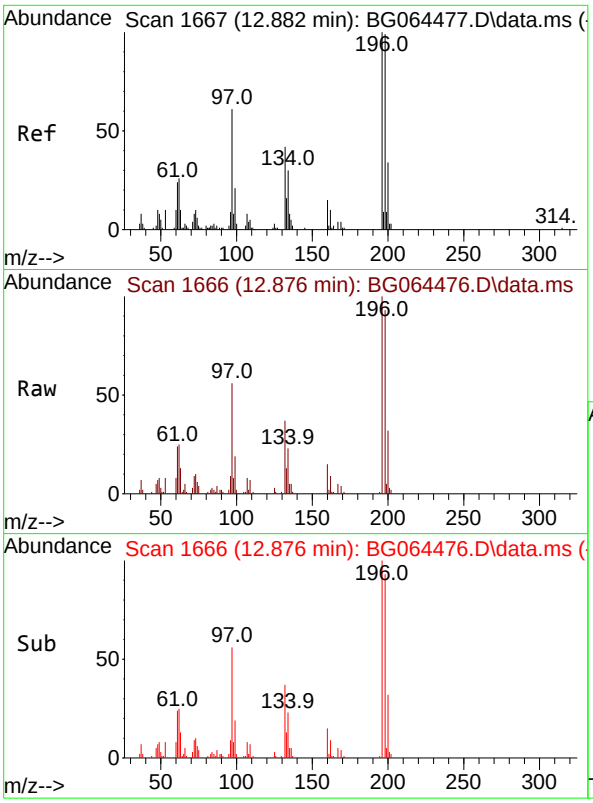


#42
2,4,6-Tribromophenol
Concen: 40.505 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

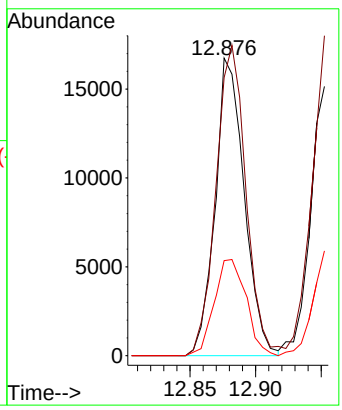




#43
2,4,6-Trichlorophenol
Concen: 19.167 ng
RT: 12.876 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:196 Resp: 2583

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



Instrument :
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ClientSampleId :
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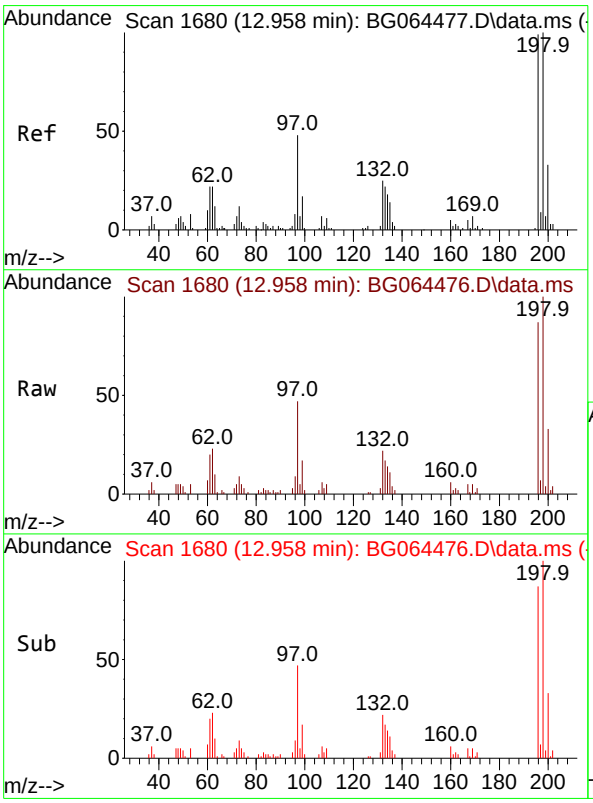
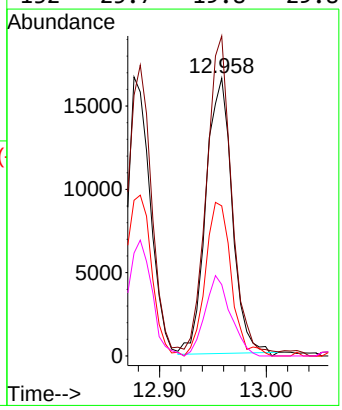
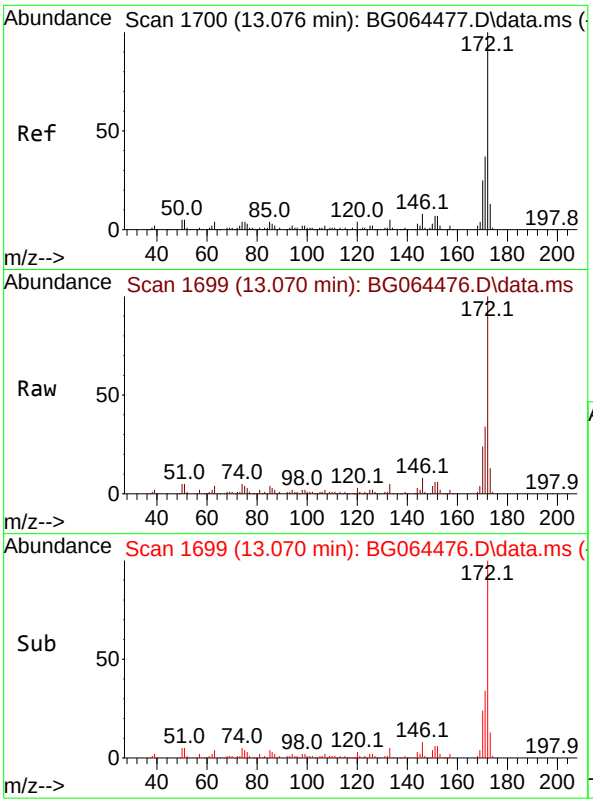


#44
2,4,5-Trichlorophenol
Concen: 18.678 ng
RT: 12.958 min Scan# 1680
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

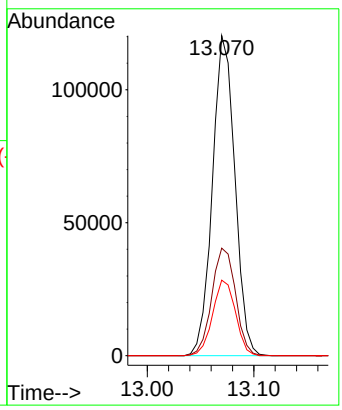




#45
2-Fluorobiphenyl
Concen: 39.679 ng
RT: 13.070 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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



Instrument :
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ClientSampleId :
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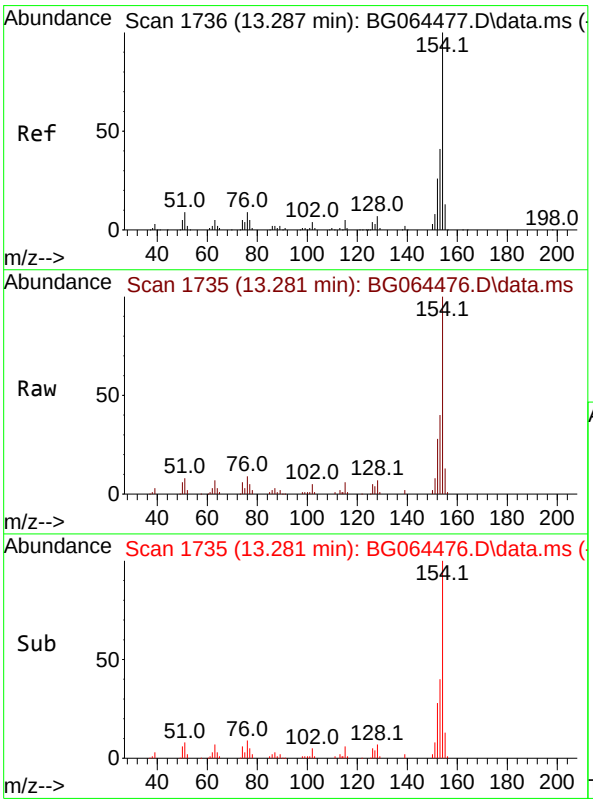
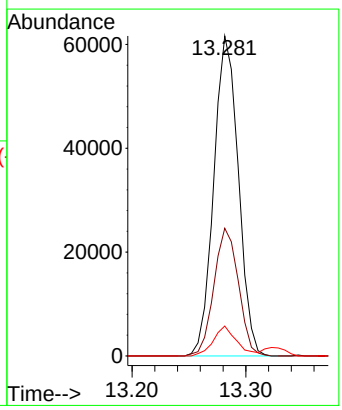
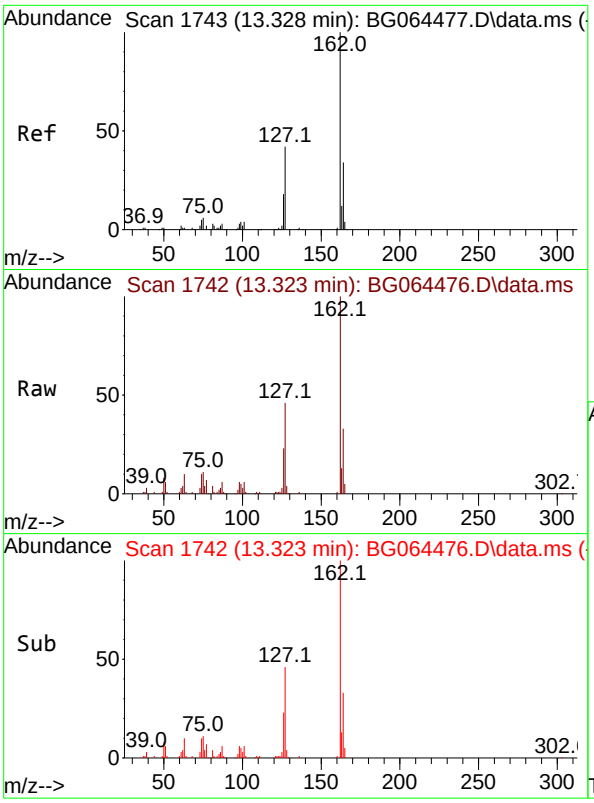


#46
1,1'-Biphenyl
Concen: 19.695 ng
RT: 13.281 min Scan# 1735
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

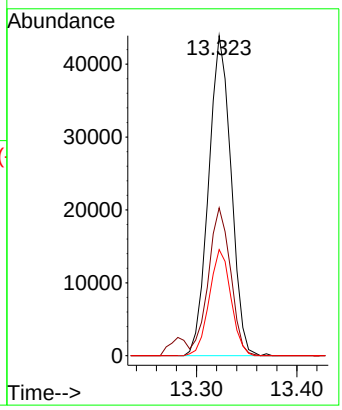




#47
2-Chloronaphthalene
Concen: 19.473 ng
RT: 13.323 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:162 Resp: 6827

Ion	Ratio	Lower	Upper
162	100		
127	46.2	35.8	53.8
164	33.2	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
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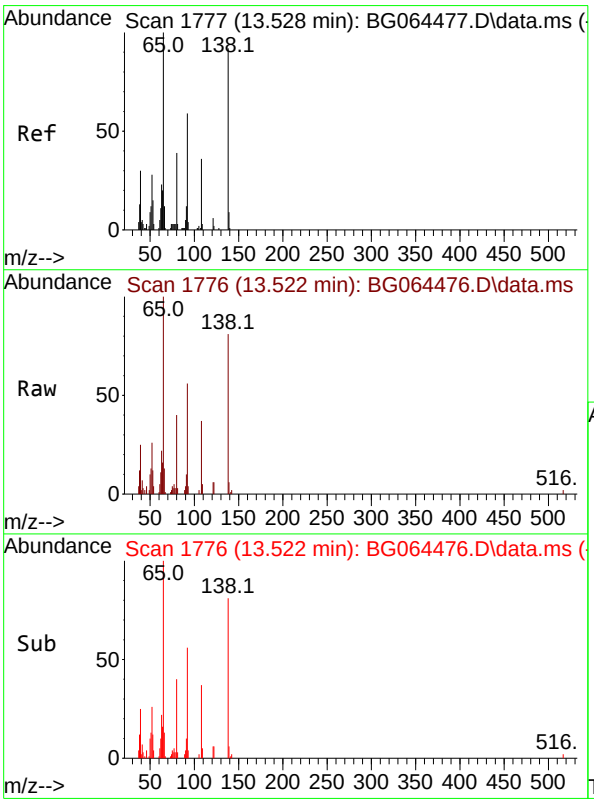
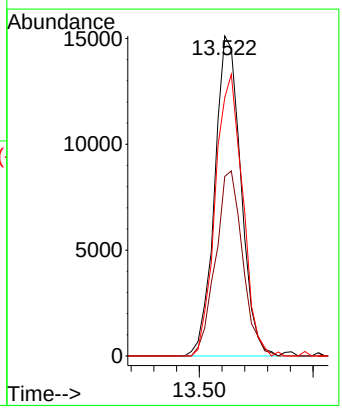
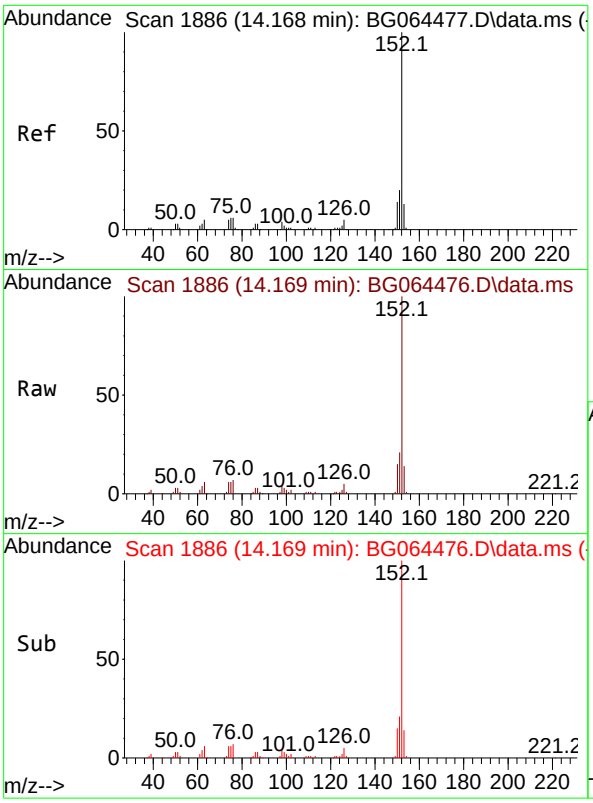


#48
2-Nitroaniline
Concen: 20.234 ng
RT: 13.522 min Scan# 1776
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

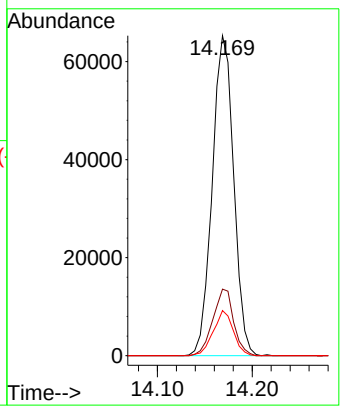




#49
Acenaphthylene
Concen: 19.727 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:152 Resp: 10266

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.8	23.6
153	14.1	10.6	15.8



Instrument :
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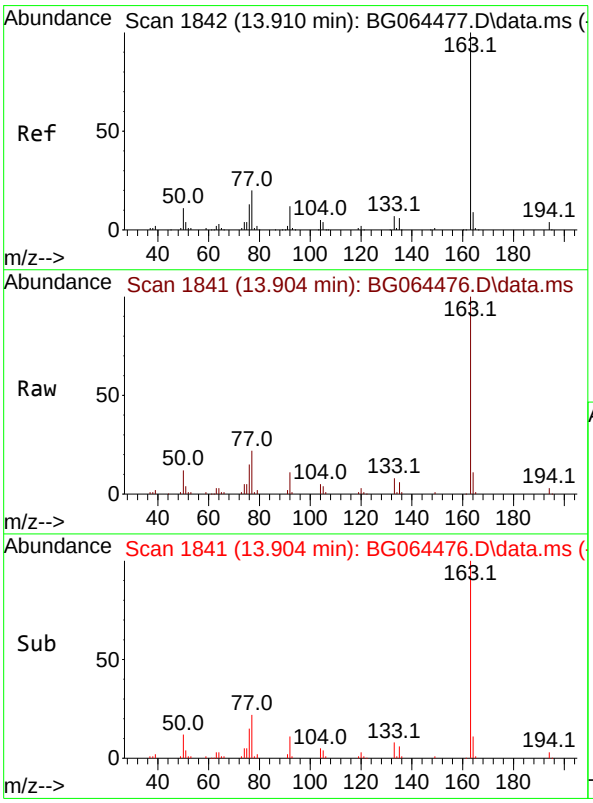
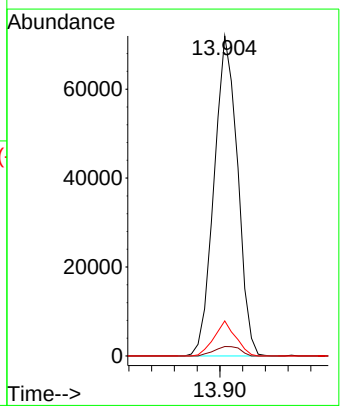
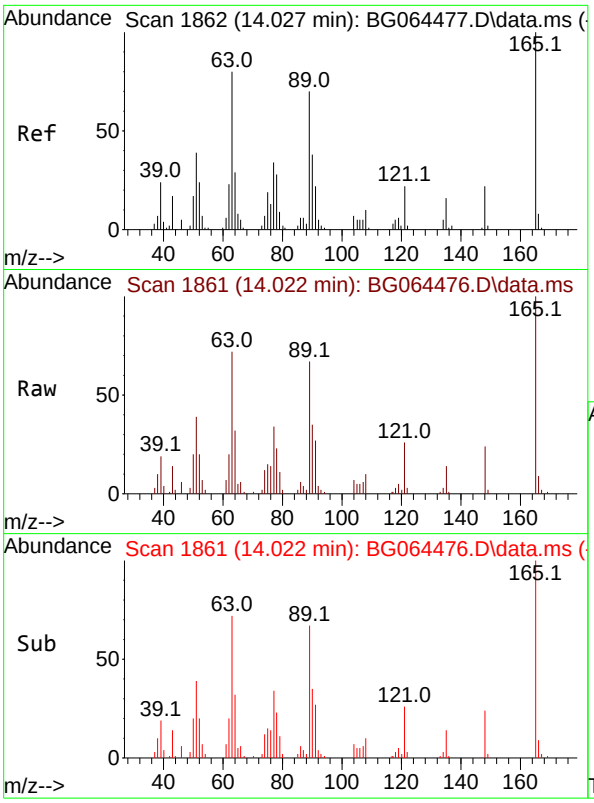


#50
Dimethylphthalate
Concen: 20.204 ng
RT: 13.904 min Scan# 1841
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

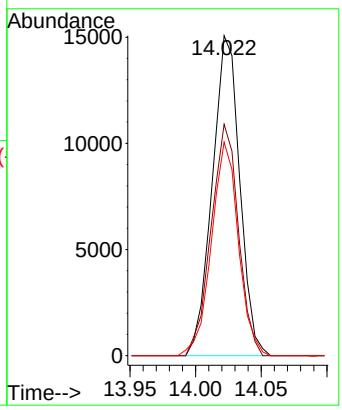




#51
2,6-Dinitrotoluene
Concen: 20.559 ng
RT: 14.022 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:165 Resp: 2189

Ion	Ratio	Lower	Upper
165	100		
63	72.3	63.9	95.9
89	66.8	56.1	84.1



Instrument :
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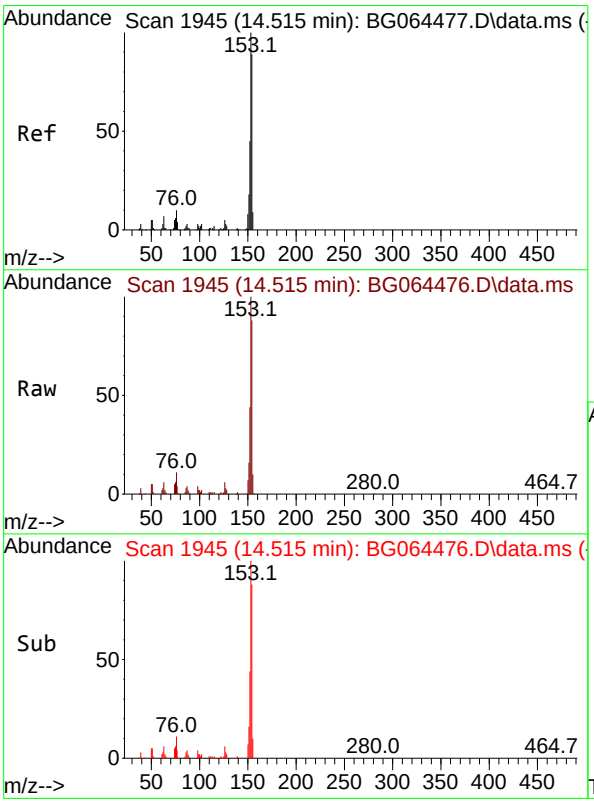
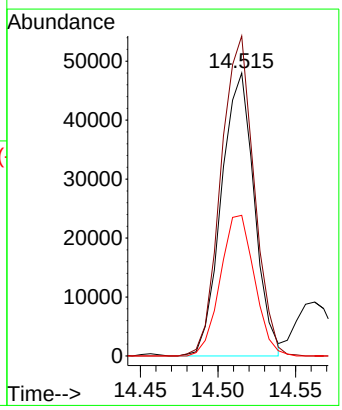
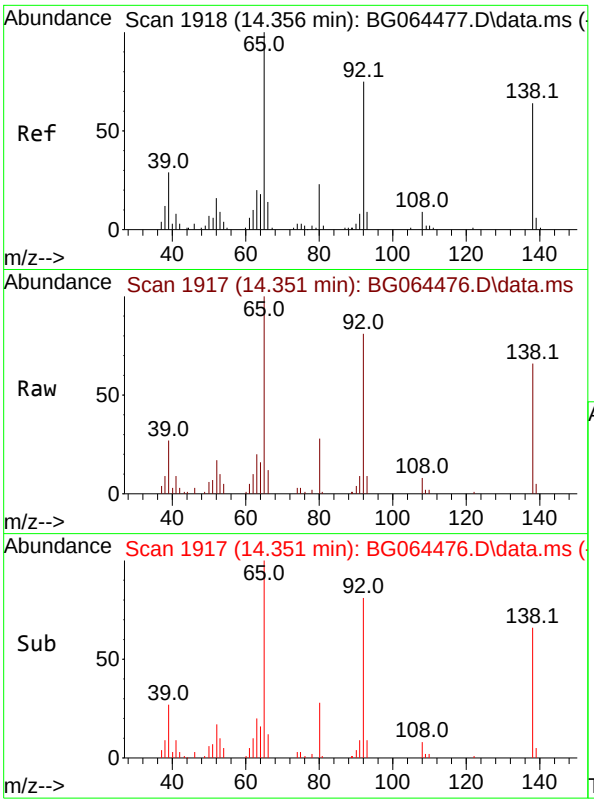


#52
Acenaphthene
Concen: 19.604 ng
RT: 14.515 min Scan# 1945
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

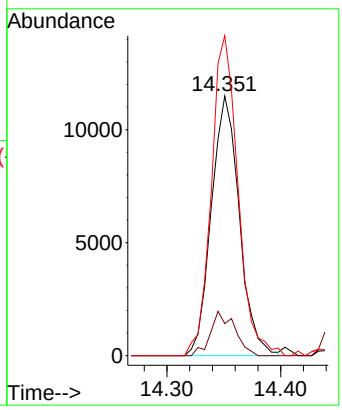




#53
3-Nitroaniline
Concen: 19.956 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:138 Resp: 1960

Ion	Ratio	Lower	Upper
138	100		
108	12.4	10.6	15.8
92	123.2	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
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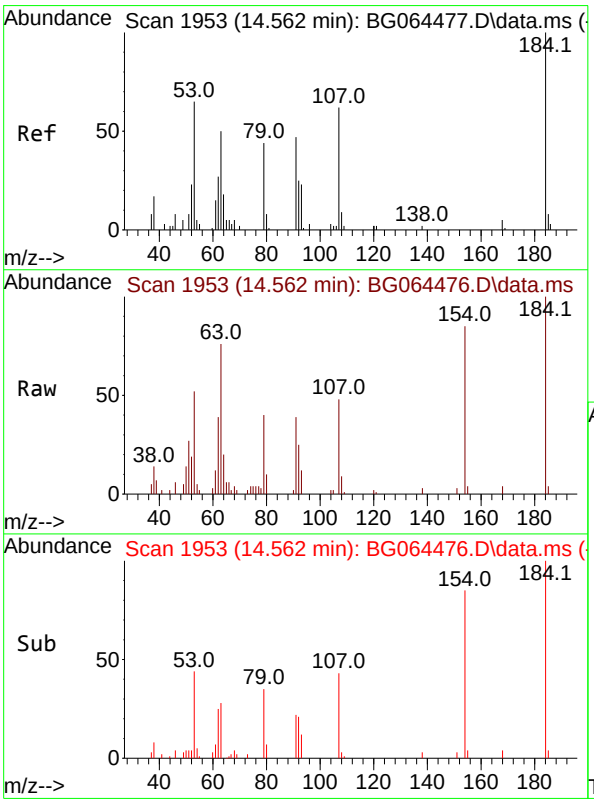
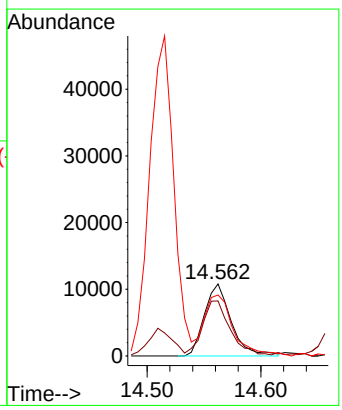
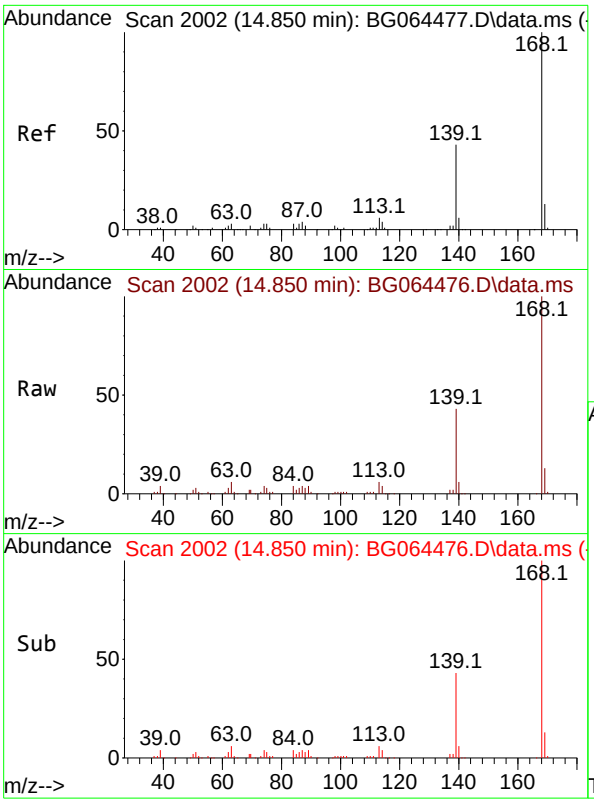


#54
2,4-Dinitrophenol
Concen: 22.843 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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#

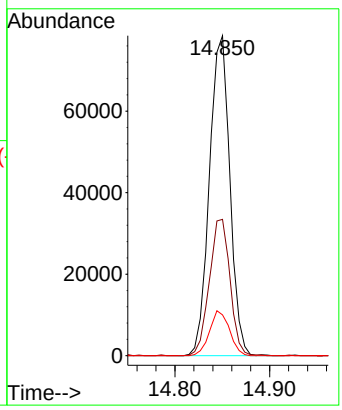




#55
Dibenzofuran
Concen: 19.680 ng
RT: 14.850 min Scan# 2(
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:168 Resp: 11749(

Ion	Ratio	Lower	Upper
168	100		
139	42.6	34.0	51.0
169	12.8	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
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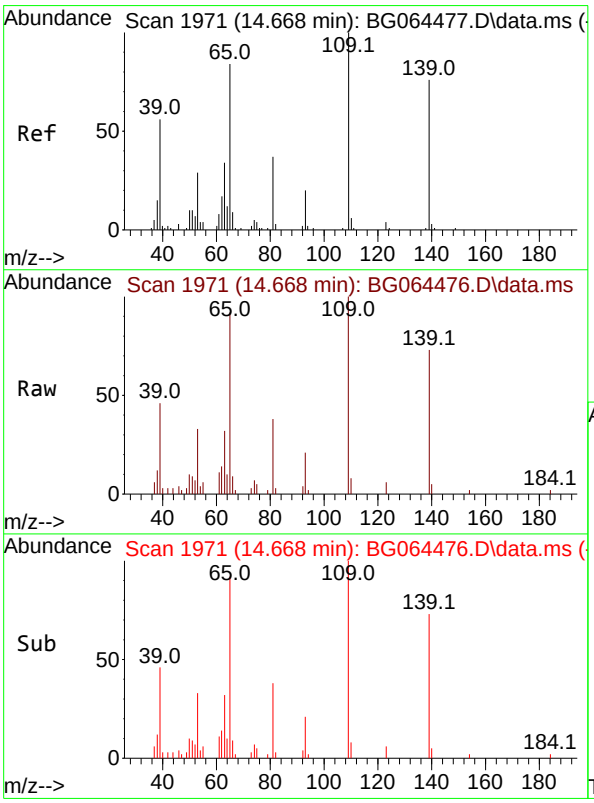
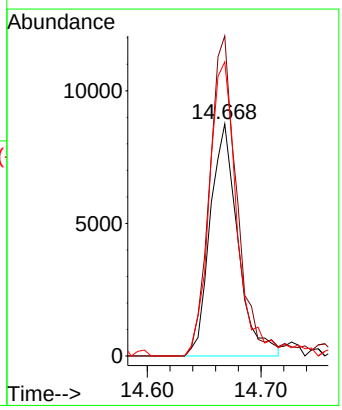
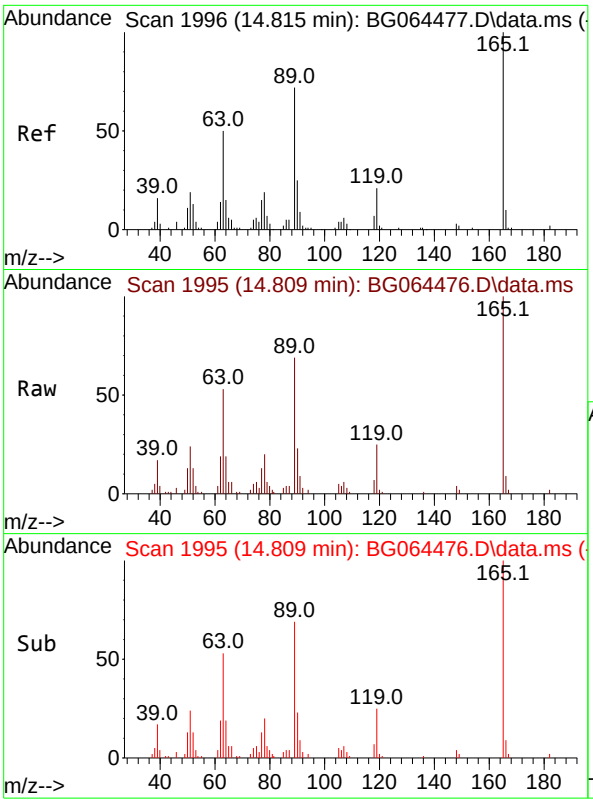


#56
4-Nitrophenol
Concen: 19.183 ng
RT: 14.668 min Scan# 1971
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

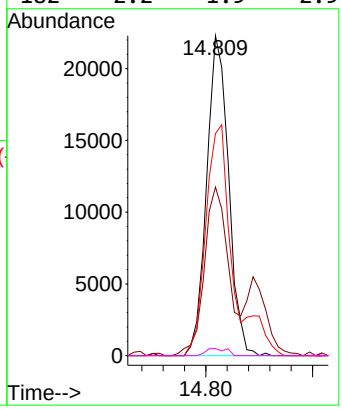




#57
2,4-Dinitrotoluene
Concen: 19.567 ng
RT: 14.809 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:165 Resp: 3186

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



Instrument :
BNA_G
ClientSampleId :
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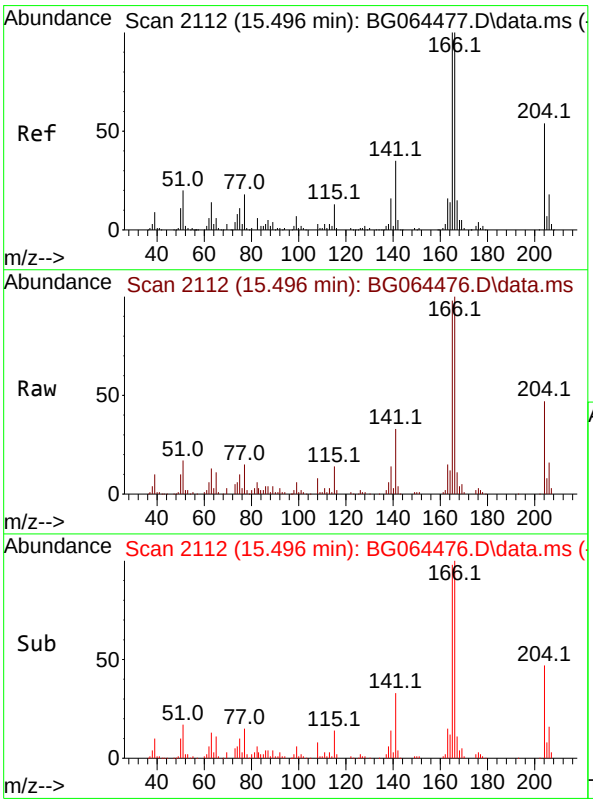
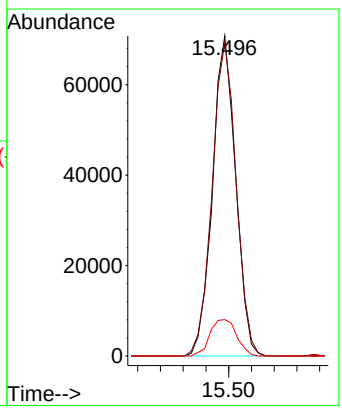
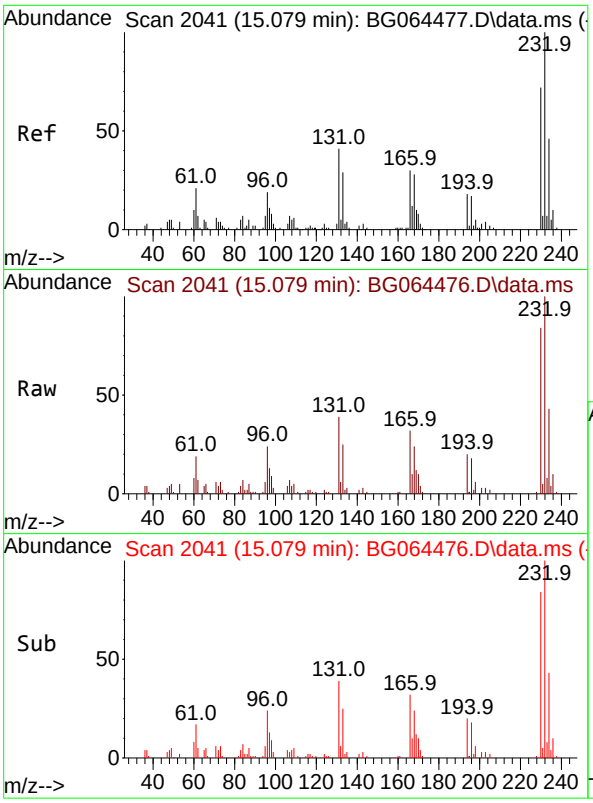


#58
Fluorene
Concen: 20.190 ng
RT: 15.496 min Scan# 2112
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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#

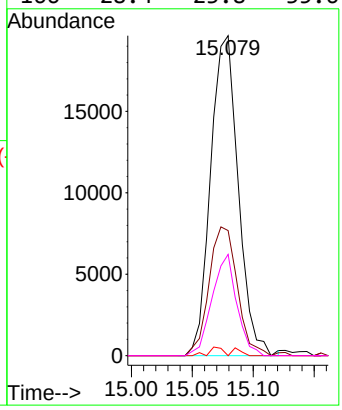




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.205 ng
RT: 15.079 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:232 Resp: 3102

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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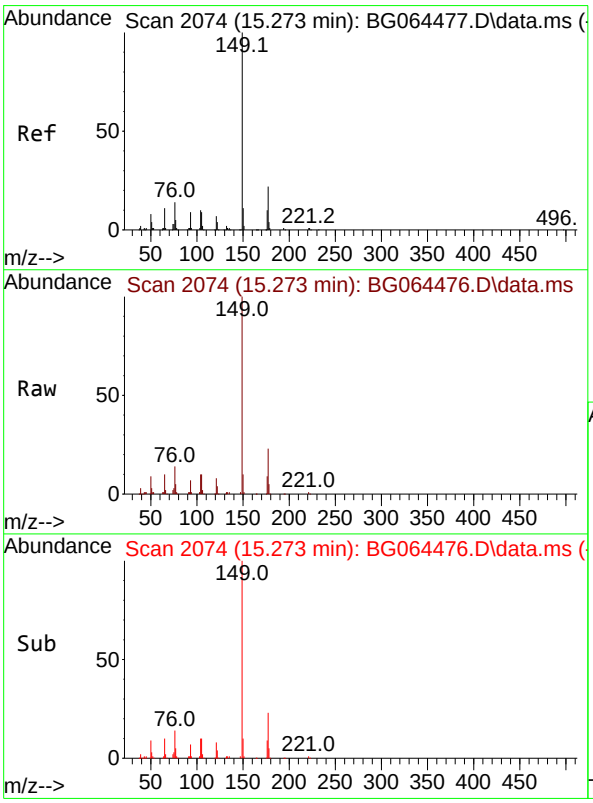
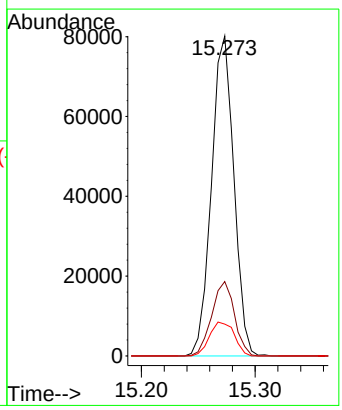
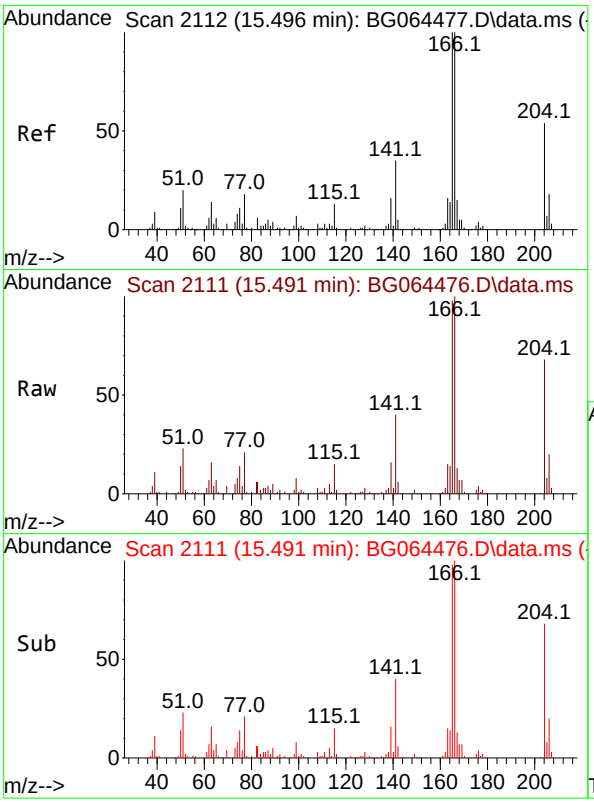


#60
Diethylphthalate
Concen: 19.981 ng
RT: 15.273 min Scan# 2074
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

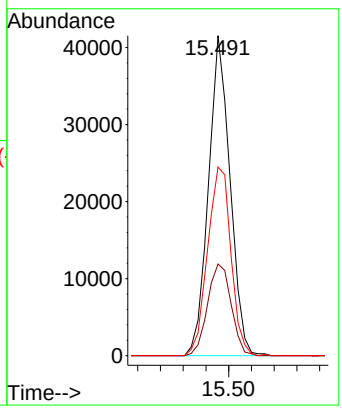




#61
4-Chlorophenyl-phenylether
Concen: 20.205 ng
RT: 15.491 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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



Instrument :
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ClientSampleId :
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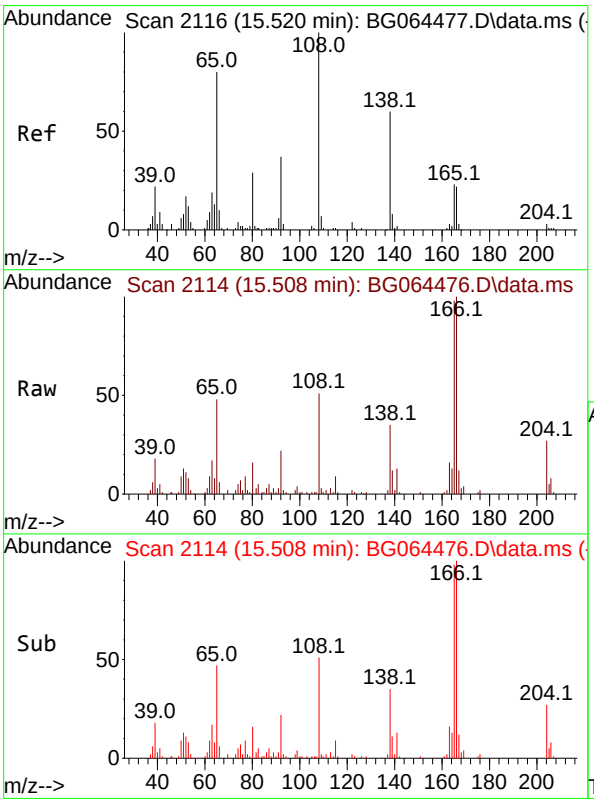
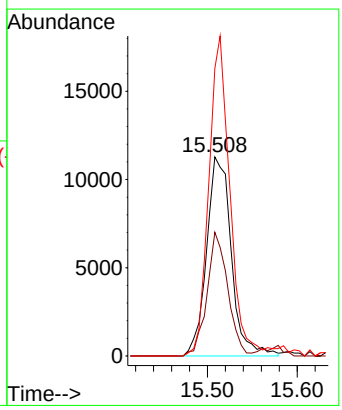
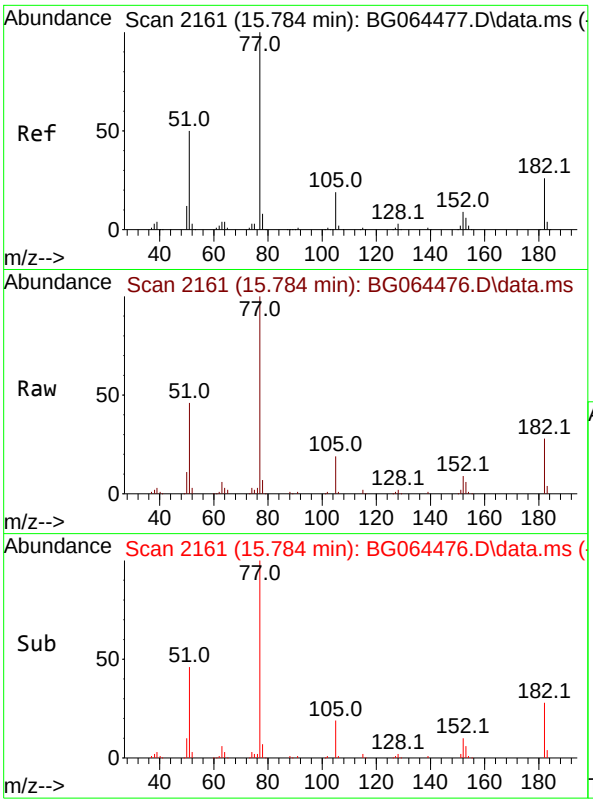


#62
4-Nitroaniline
Concen: 21.091 ng
RT: 15.508 min Scan# 2114
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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#

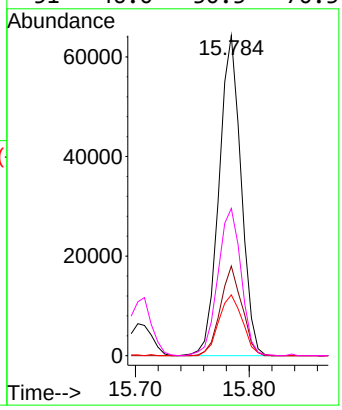




#63
Azobenzene
Concen: 20.370 ng
RT: 15.784 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion: 77 Resp: 8653

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



Instrument :
BNA_G
ClientSampleId :
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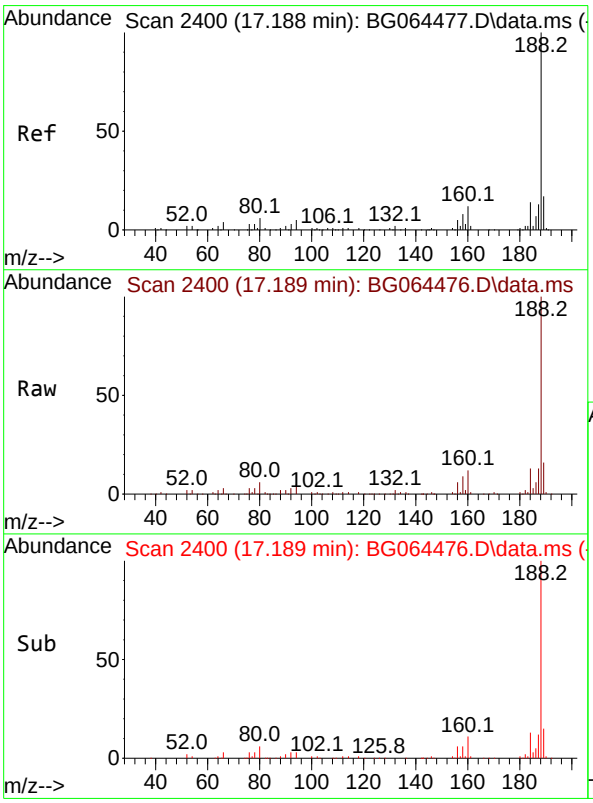
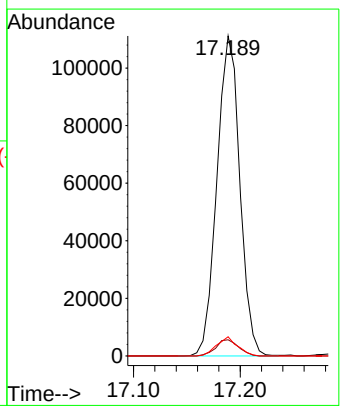
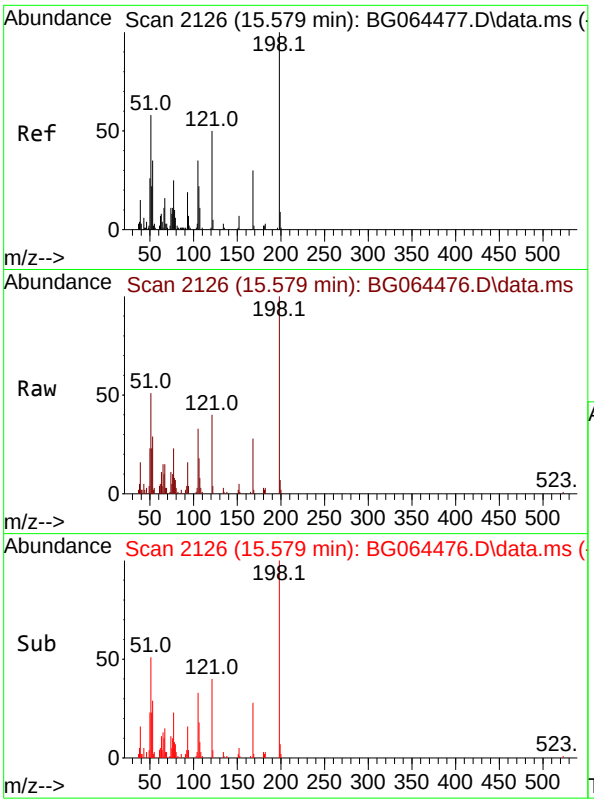


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

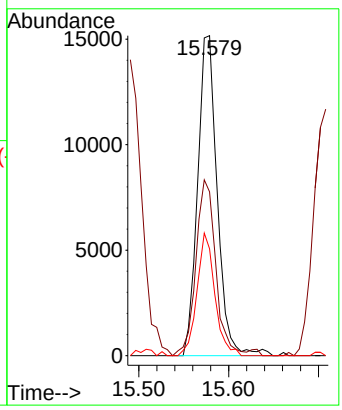




#65
4,6-Dinitro-2-methylphenol
Concen: 19.942 ng
RT: 15.579 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:198 Resp: 2298

Ion	Ratio	Lower	Upper
198	100		
51	51.2	39.0	79.0
105	33.4	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
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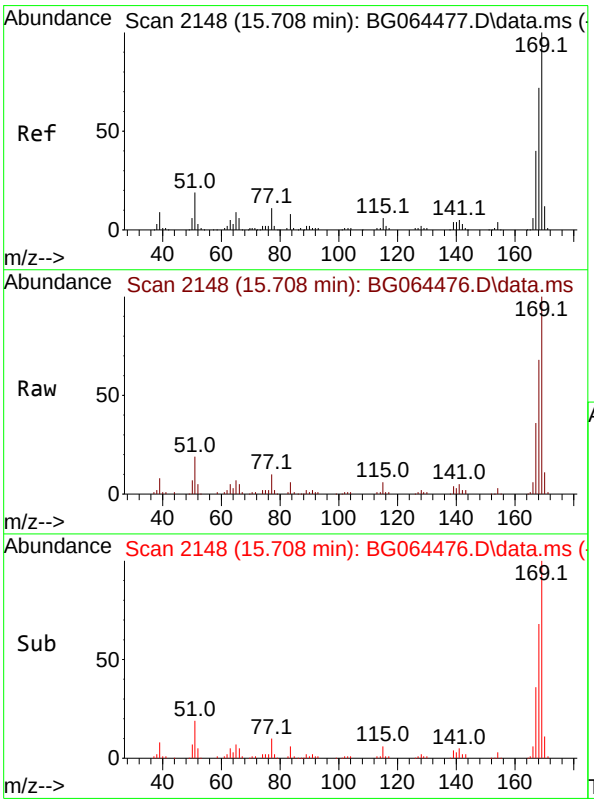
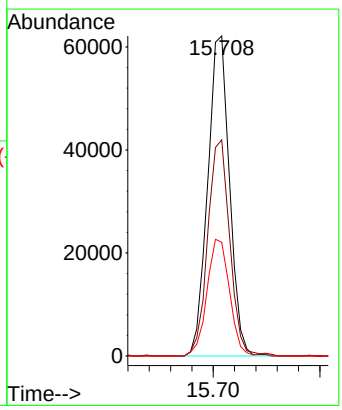
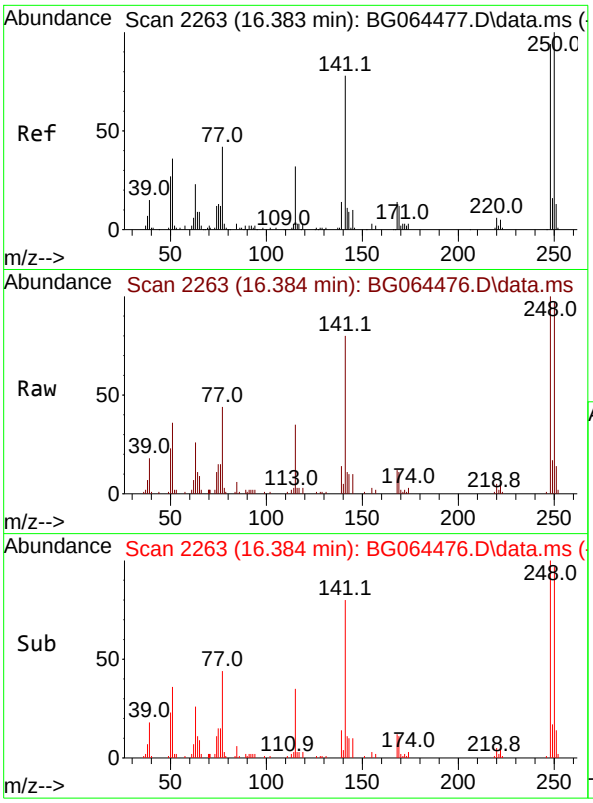


#66
n-Nitrosodiphenylamine
Concen: 19.986 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

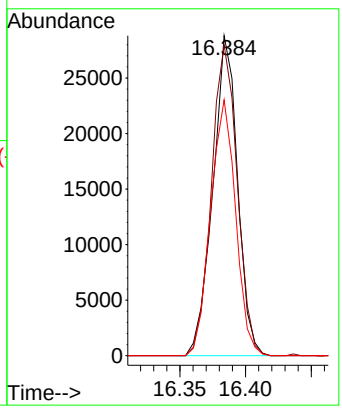




#67
4-Bromophenyl-phenylether
Concen: 19.310 ng
RT: 16.384 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:248 Resp: 3762

Ion	Ratio	Lower	Upper
248	100		
250	97.2	85.3	127.9
141	79.9	66.2	99.2



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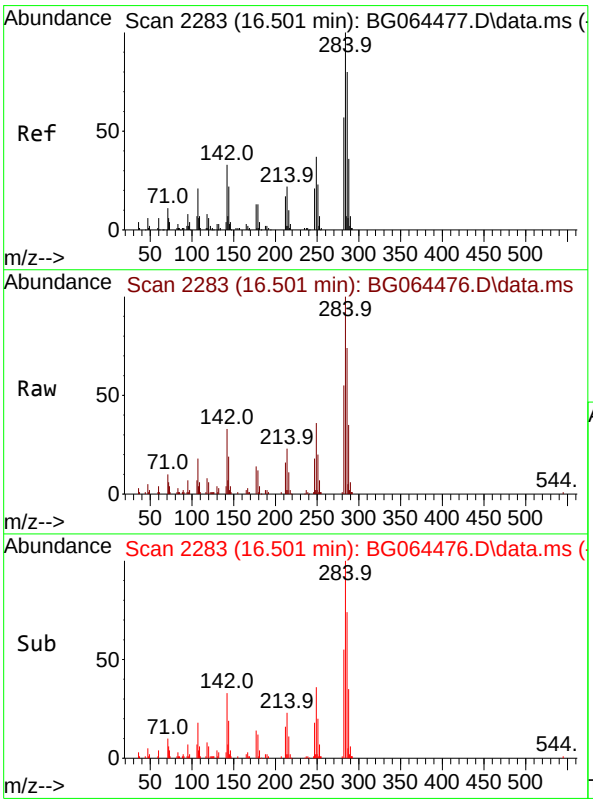
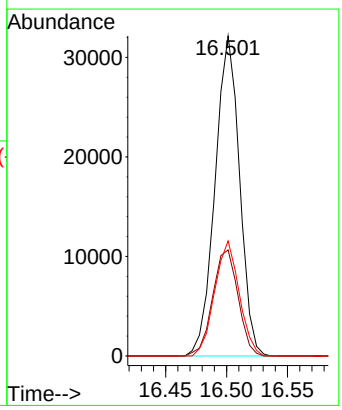
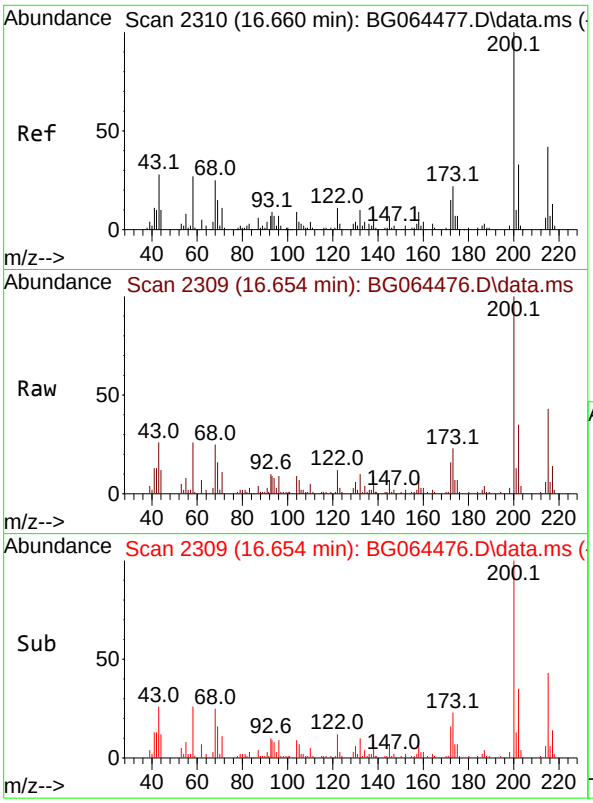


#68
Hexachlorobenzene
Concen: 20.185 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

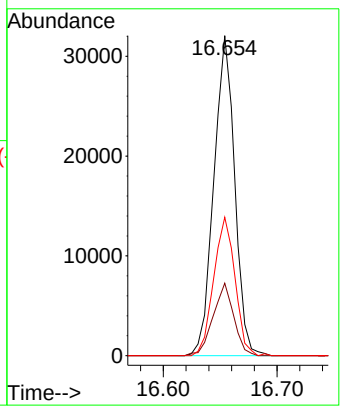




#69
Atrazine
Concen: 20.769 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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



Instrument :
BNA_G
ClientSampleId :
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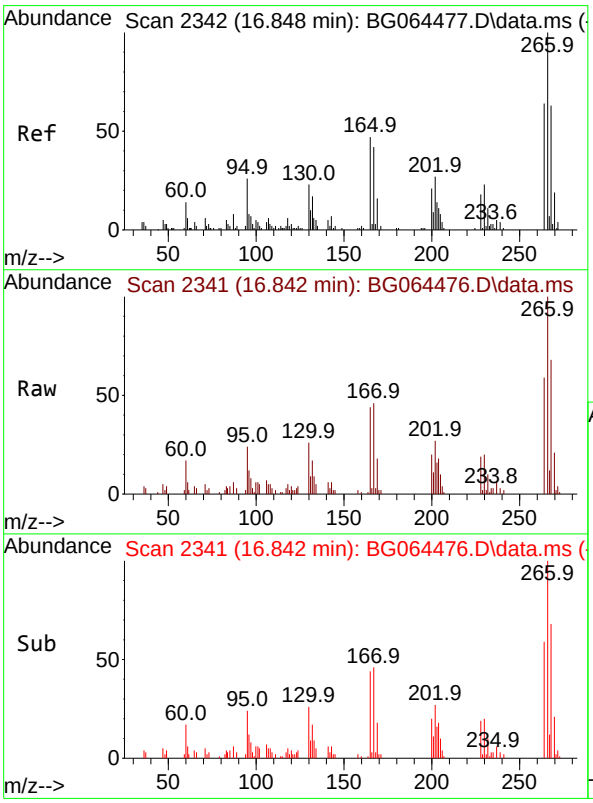
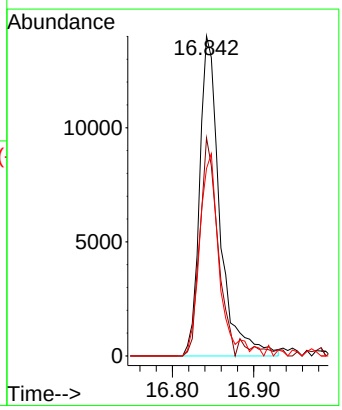
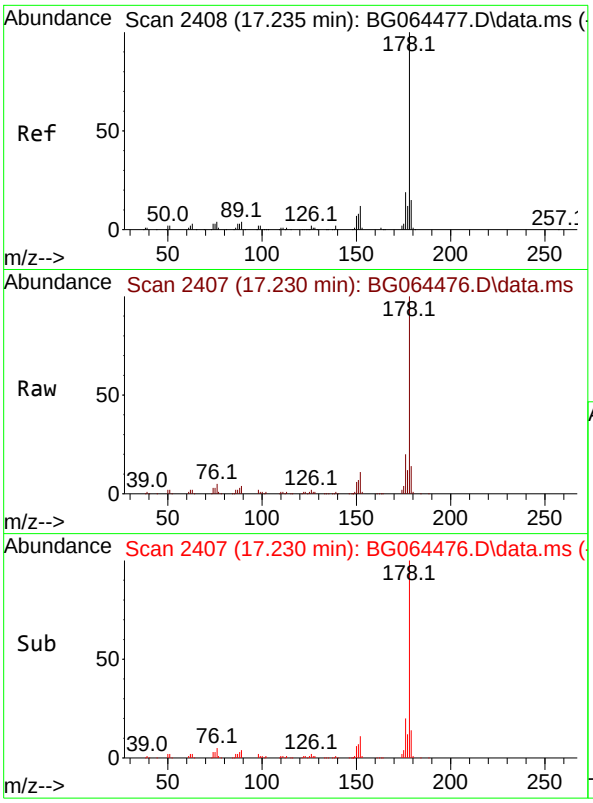


#70
Pentachlorophenol
Concen: 18.593 ng
RT: 16.842 min Scan# 2341
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

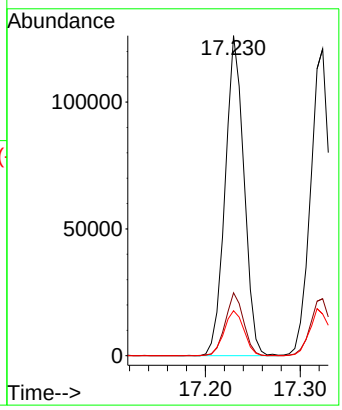




#71
Phenanthrene
Concen: 20.165 ng
RT: 17.230 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:178 Resp: 17459

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.2	22.8
179	14.1	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
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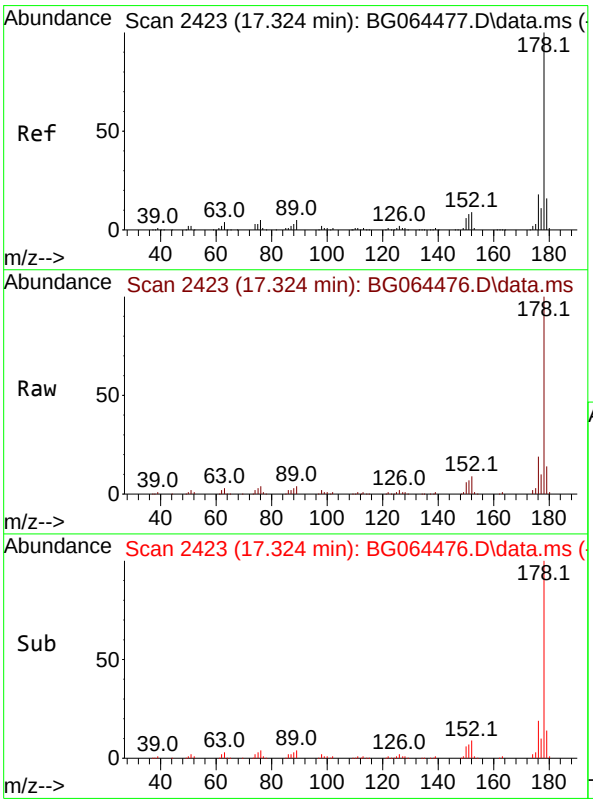
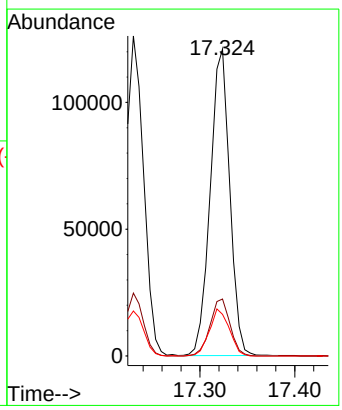
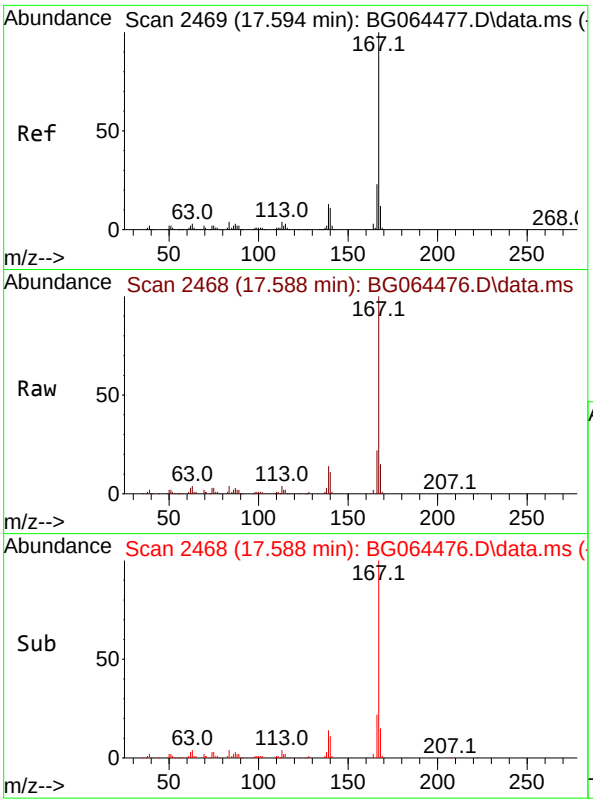


#72
Anthracene
Concen: 19.904 ng
RT: 17.324 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

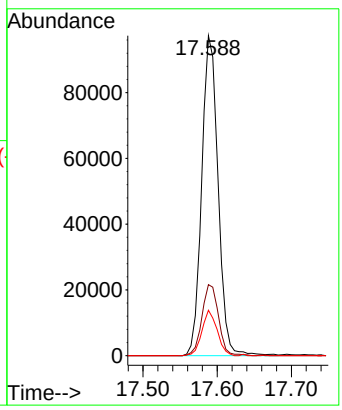




#73
Carbazole
Concen: 19.939 ng
RT: 17.588 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:167 Resp: 14971(

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.6	27.8
139	14.2	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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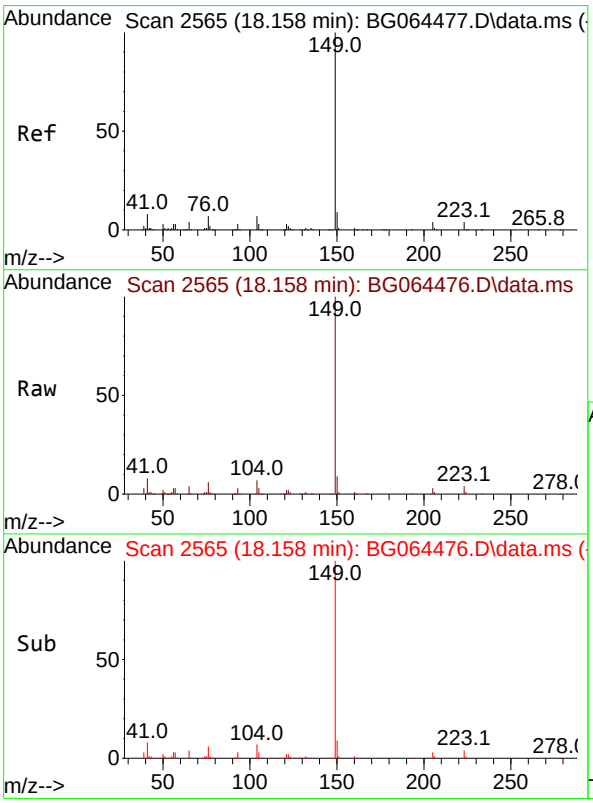
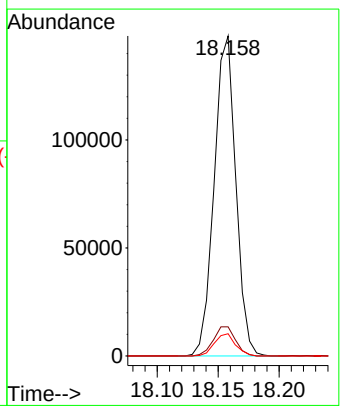
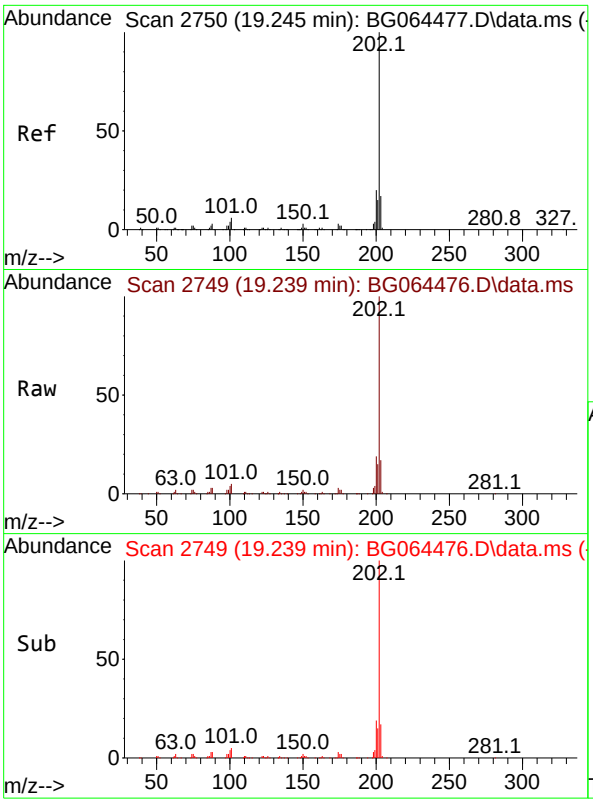


#74
Di-n-butylphthalate
Concen: 19.955 ng
RT: 18.158 min Scan# 2565
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

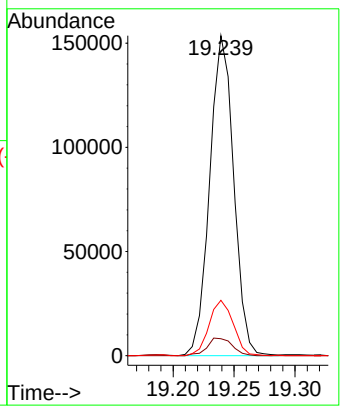




#75
Fluoranthene
Concen: 20.363 ng
RT: 19.239 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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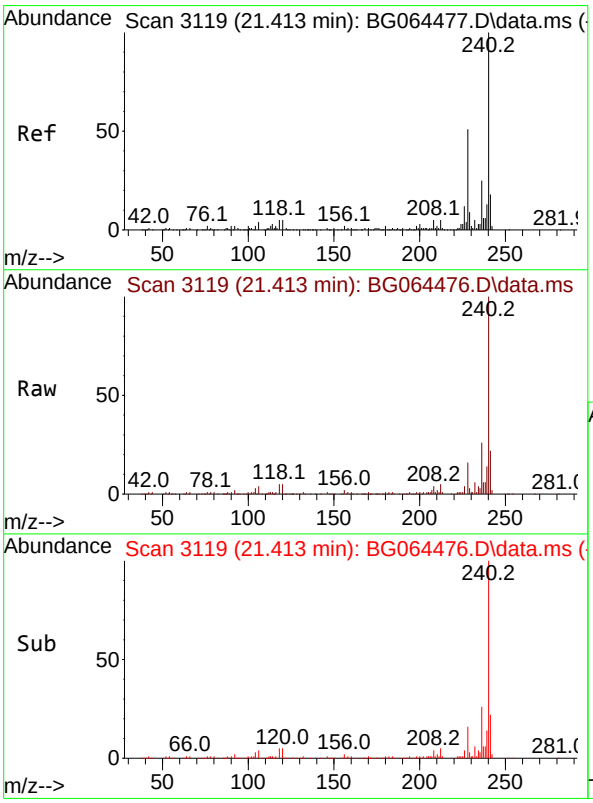
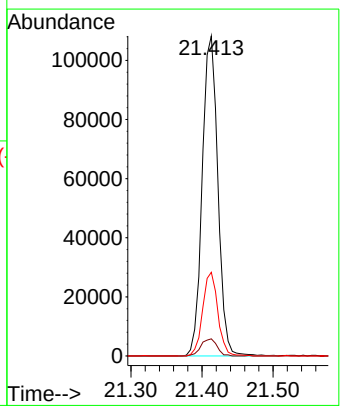
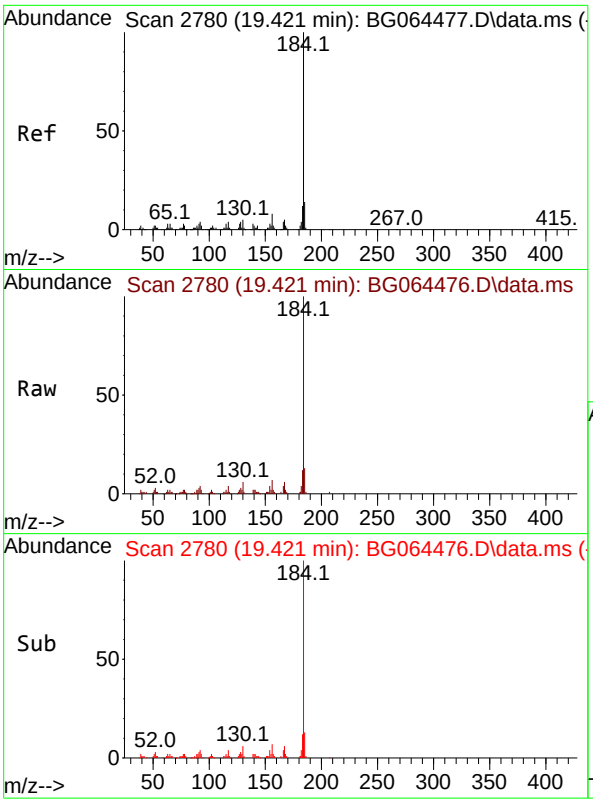


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

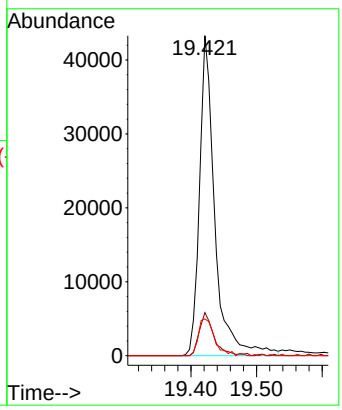




#77
Benzidine
Concen: 17.050 ng
RT: 19.421 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:184 Resp: 7039

Ion	Ratio	Lower	Upper
184	100		
185	13.4	10.9	16.3
183	11.5	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
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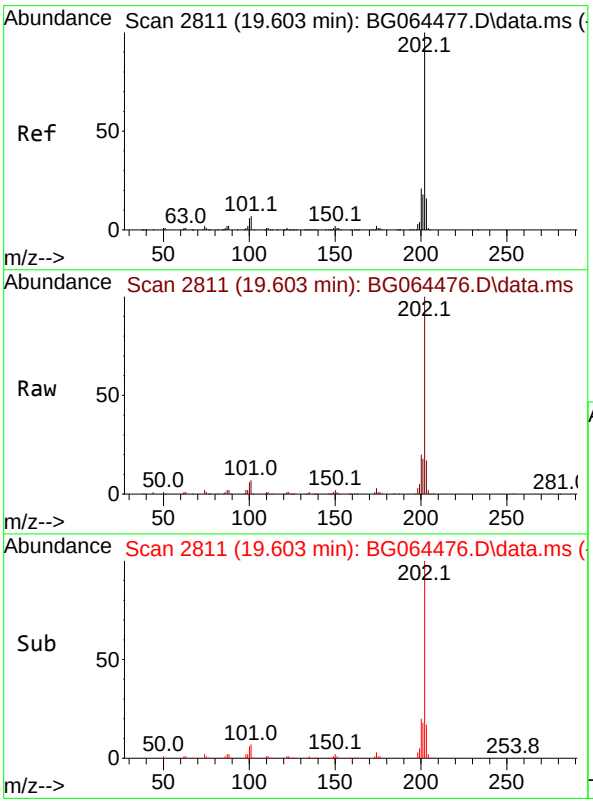
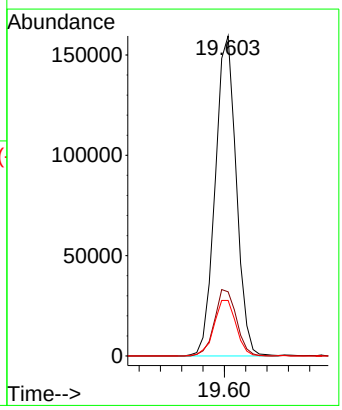
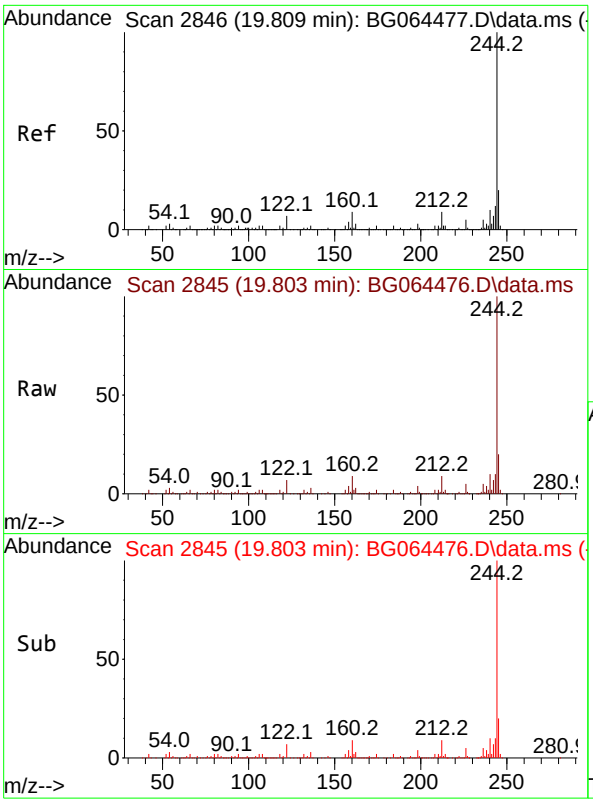


#78
Pyrene
Concen: 20.286 ng
RT: 19.603 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

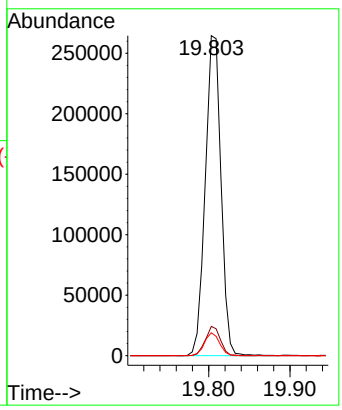




#79
Terphenyl-d14
Concen: 40.467 ng
RT: 19.803 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:244 Resp: 35481

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.0	10.6
122	7.1	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
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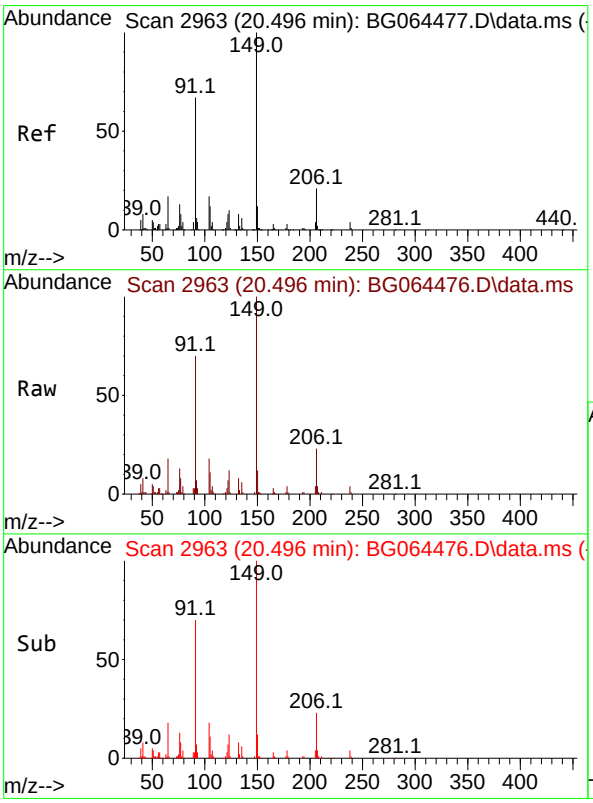
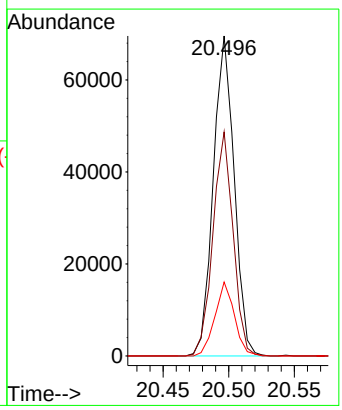
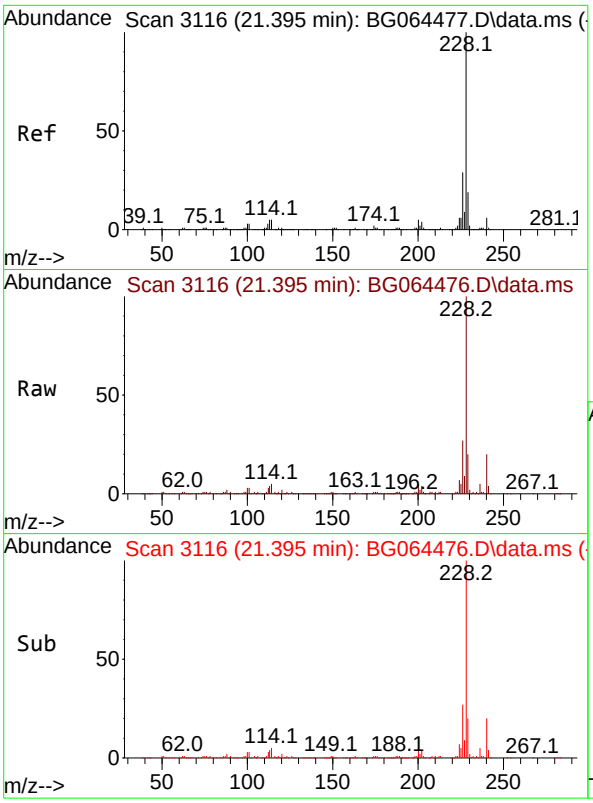


#80
Butylbenzylphthalate
Concen: 20.174 ng
RT: 20.496 min Scan# 2963
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

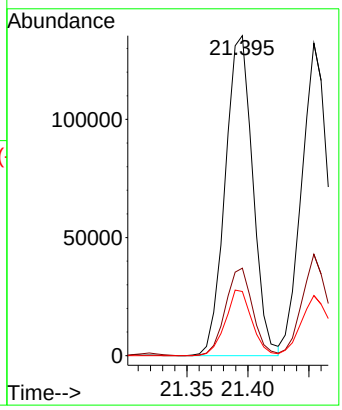




#81
Benzo(a)anthracene
Concen: 20.119 ng
RT: 21.395 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:228 Resp: 21316

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.8	34.2
229	20.1	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
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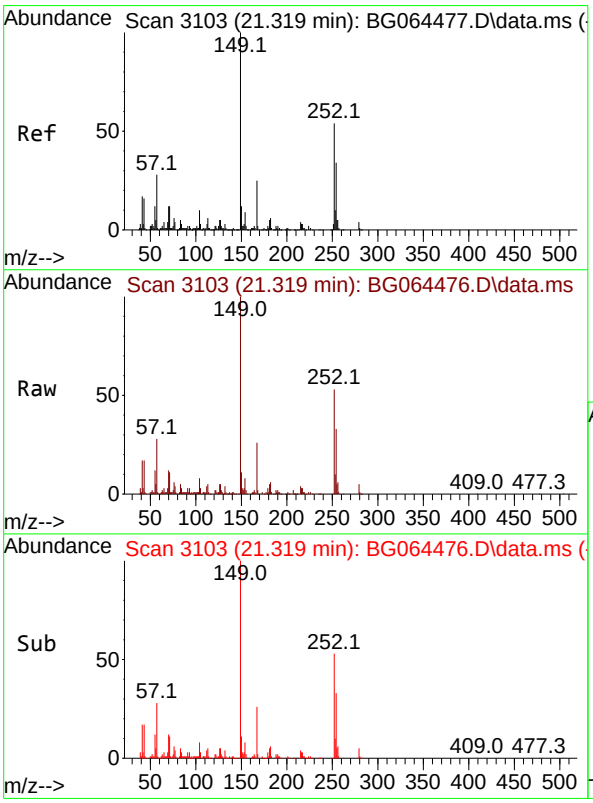
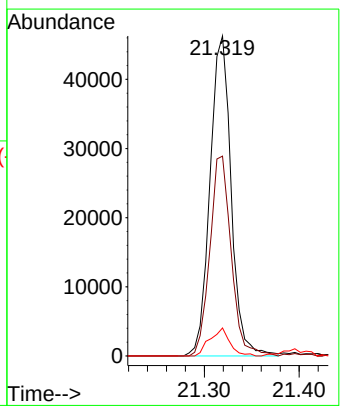
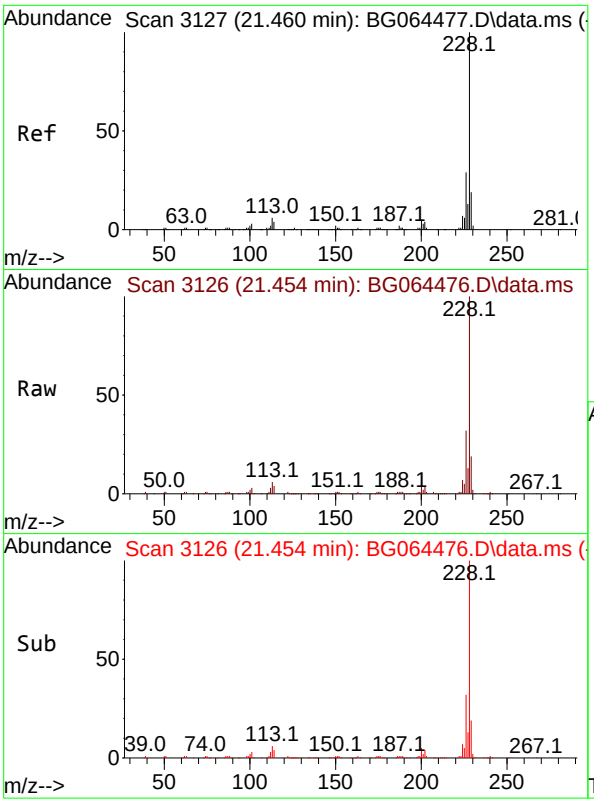


#82
3,3'-Dichlorobenzidine
Concen: 19.958 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

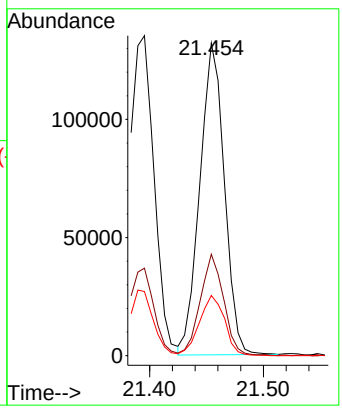




#83
Chrysene
Concen: 19.732 ng
RT: 21.454 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:228 Resp: 19826

Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.8	34.2
229	19.3	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

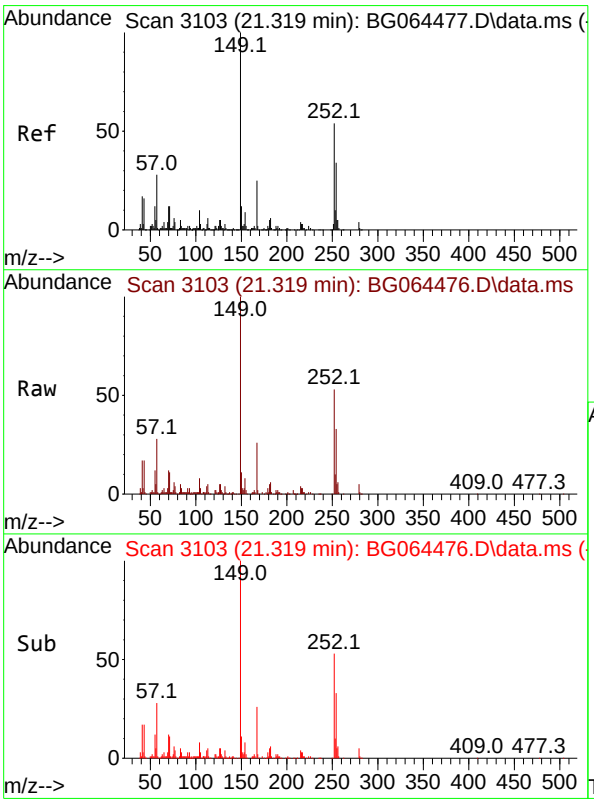
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/03/2025

Supervised By :Jagrut Upadhyay

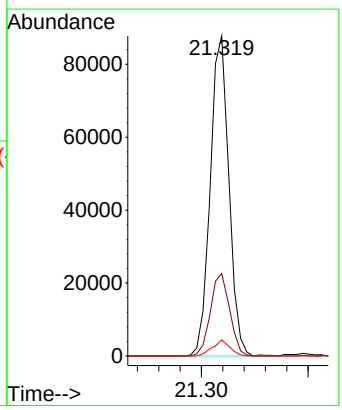
10/03/2025

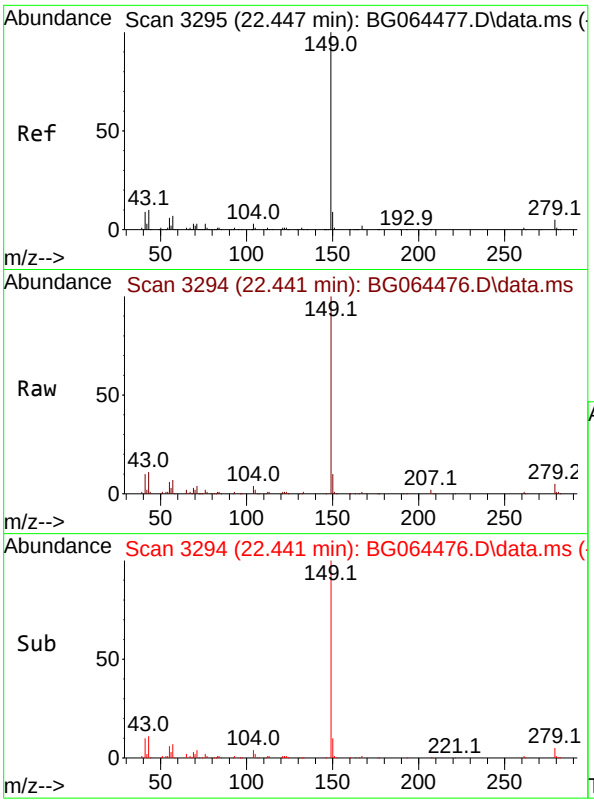


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.731 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

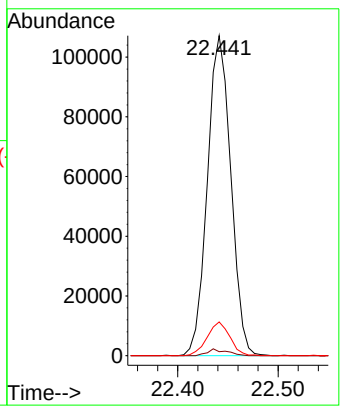




#85
Di-n-octyl phthalate
Concen: 19.247 ng
RT: 22.441 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:149 Resp: 17422

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	10.2	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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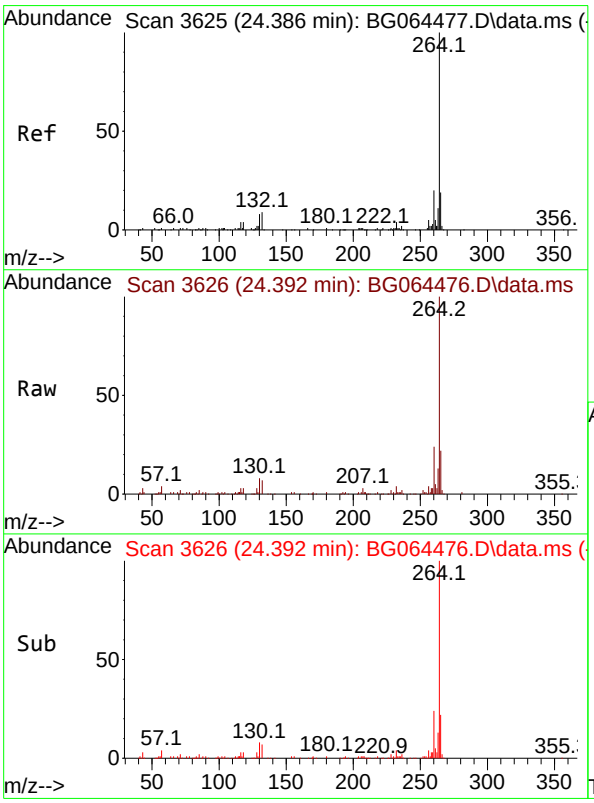
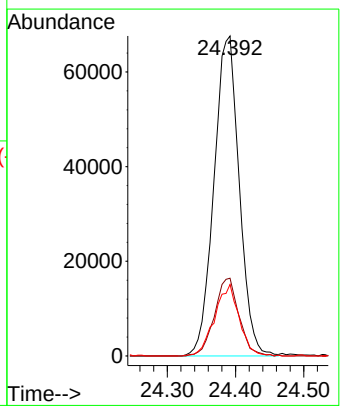
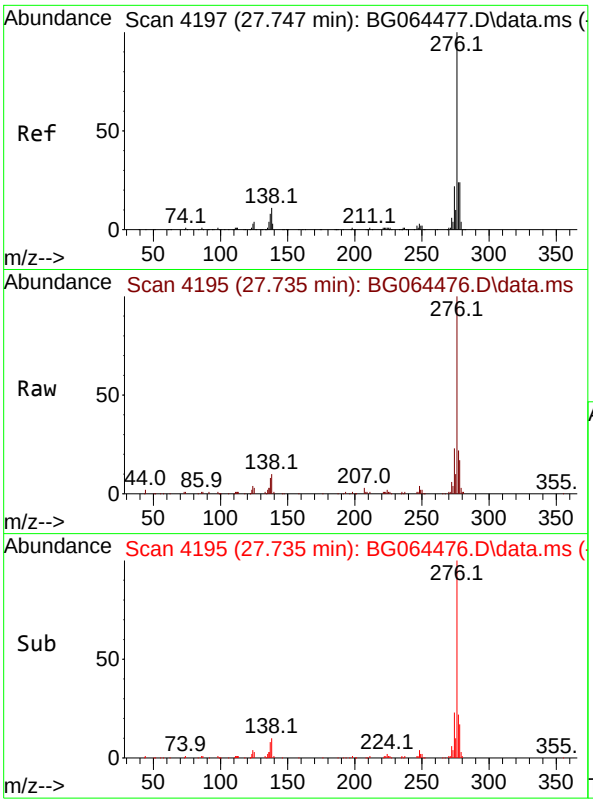


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.392 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

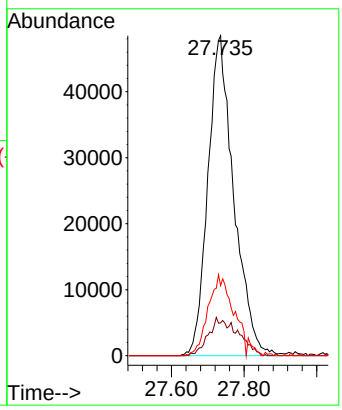




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.796 ng
RT: 27.735 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

Tgt Ion:276 Resp: 24042

Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	24.2	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/03/2025

Supervised By :Jagrut Upadhyay

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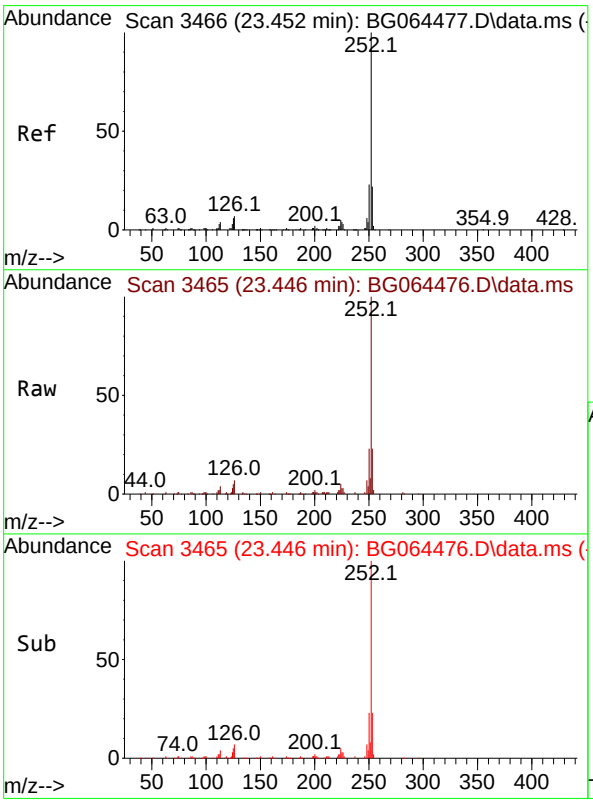
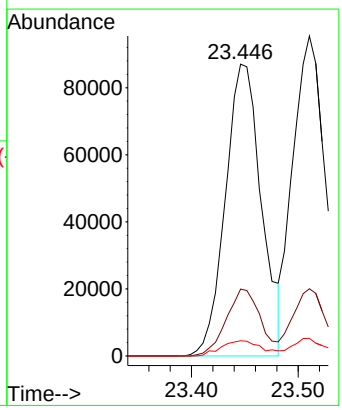
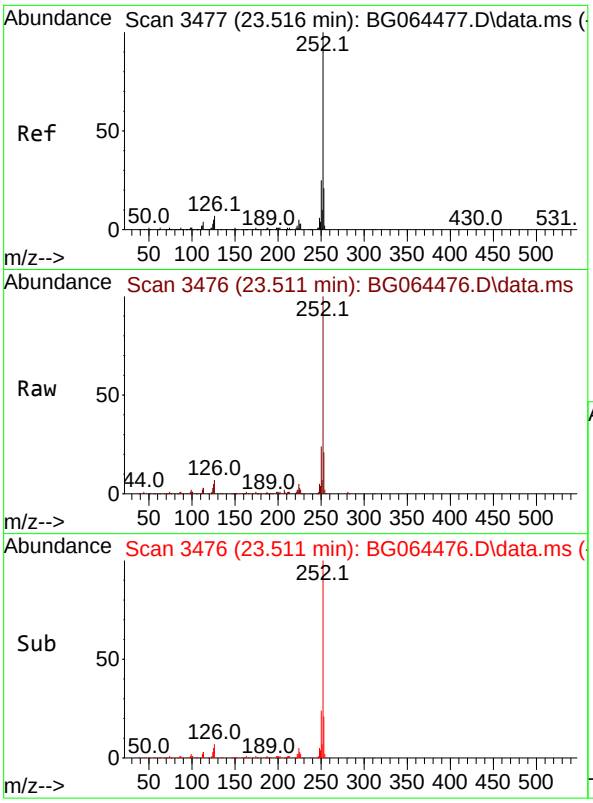


#88
Benzo(b)fluoranthene
Concen: 20.591 ng
RT: 23.446 min Scan# 3465
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

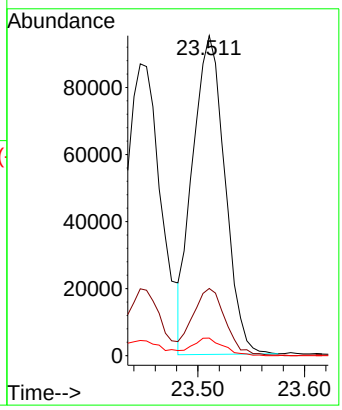




#89
Benzo(k)fluoranthene
Concen: 19.991 ng
RT: 23.511 min Scan# 34
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

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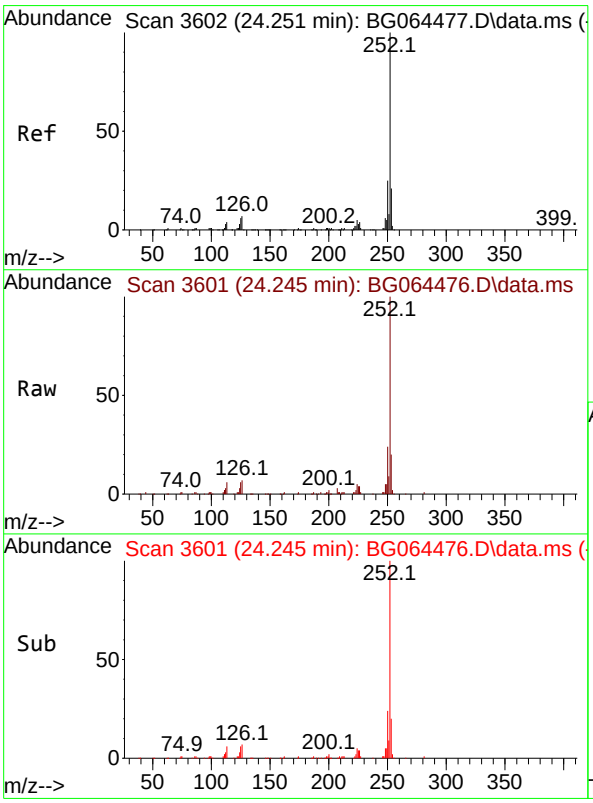
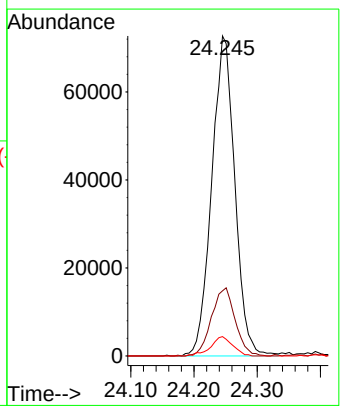
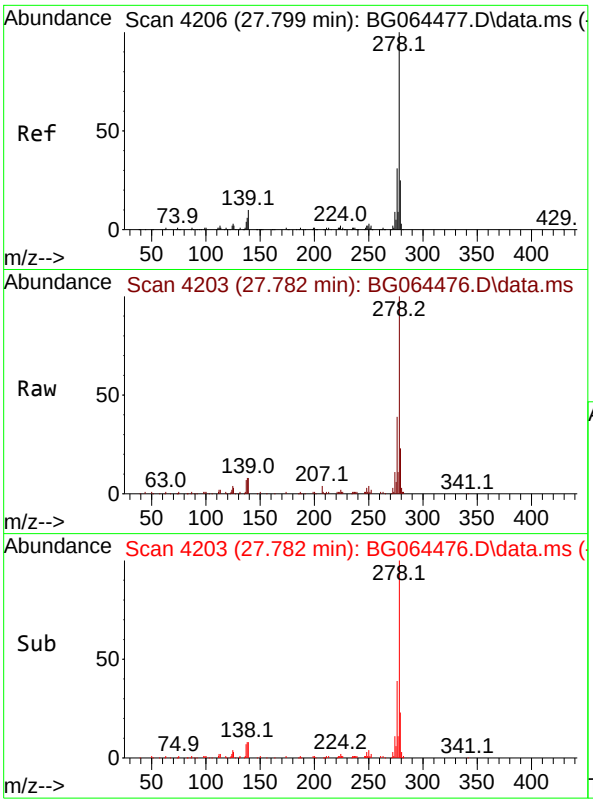


#90
Benzo(a)pyrene
Concen: 20.191 ng
RT: 24.245 min Scan# 3601
Delta R.T. -0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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

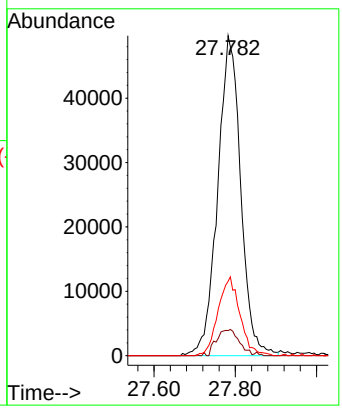




#91
Dibenzo(a,h)anthracene
Concen: 20.134 ng
RT: 27.782 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG064476.D
Acq: 2 Oct 2025 11:33

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



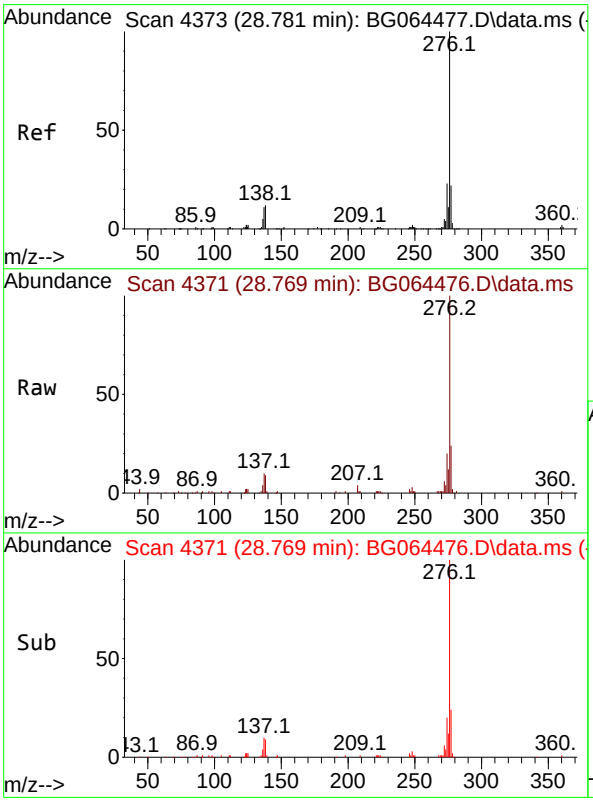
Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/03/2025
Supervised By :Jagrut Upadhyay

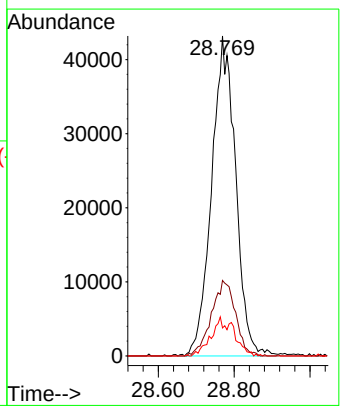
10/03/2025



#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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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

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

ICAL Form

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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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

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-phenyle...	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

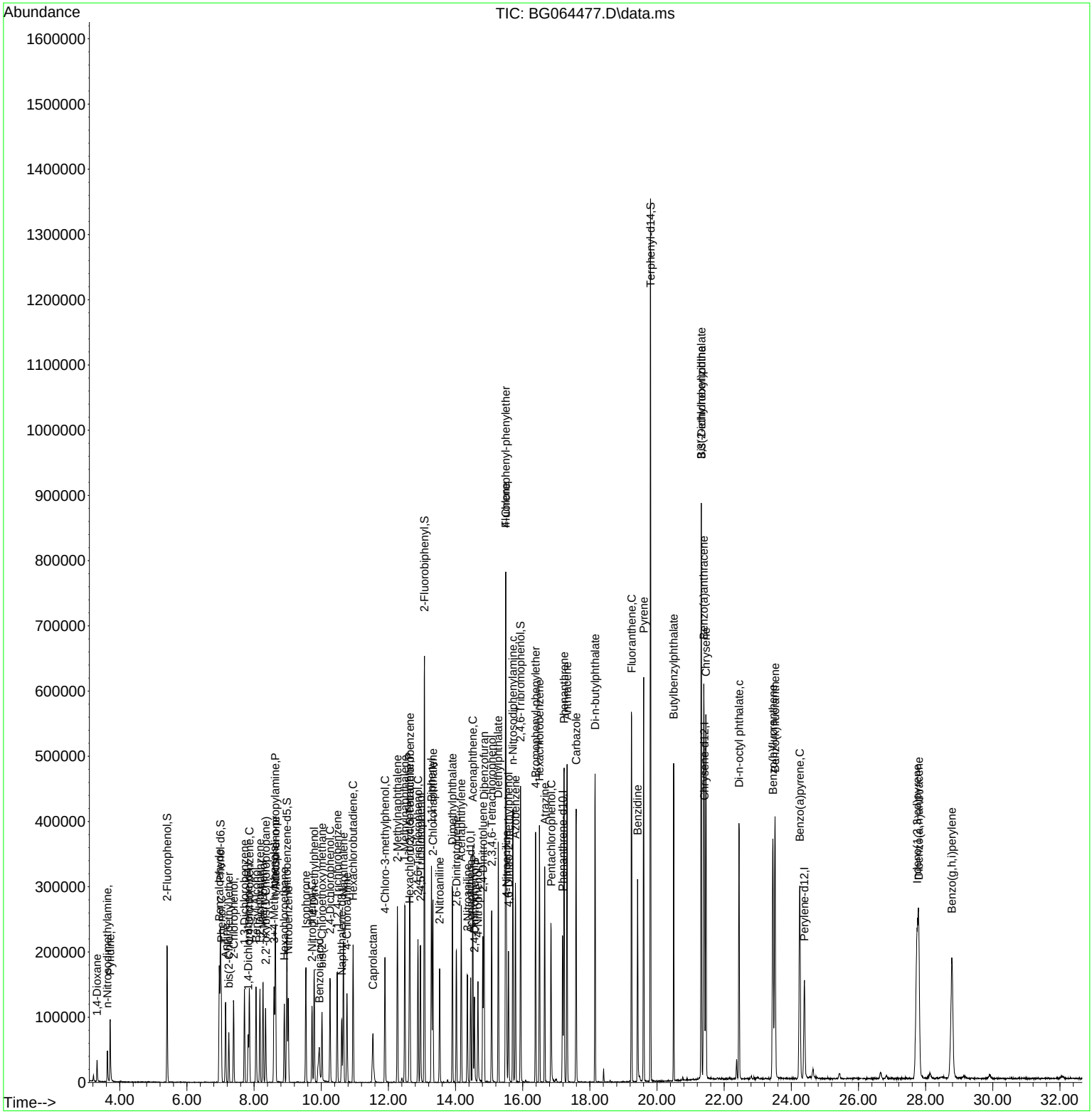
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064477.D
Acq On : 2 Oct 2025 12:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

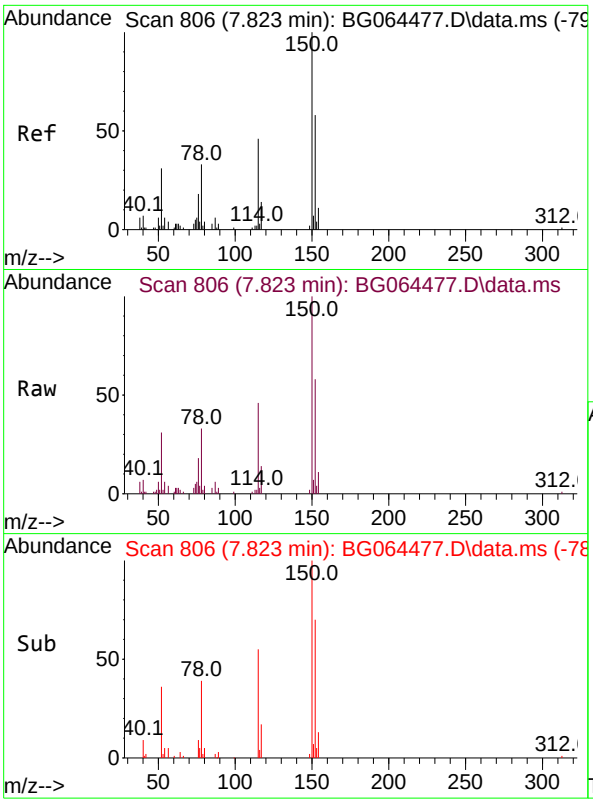
Quant Time: Oct 02 16:52:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

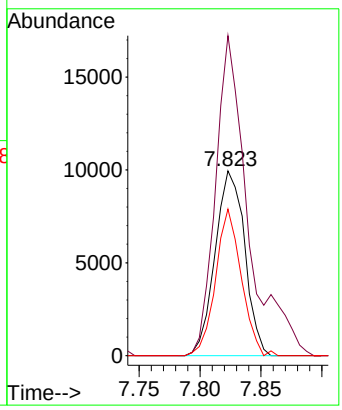




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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



Instrument :
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ClientSampleId :
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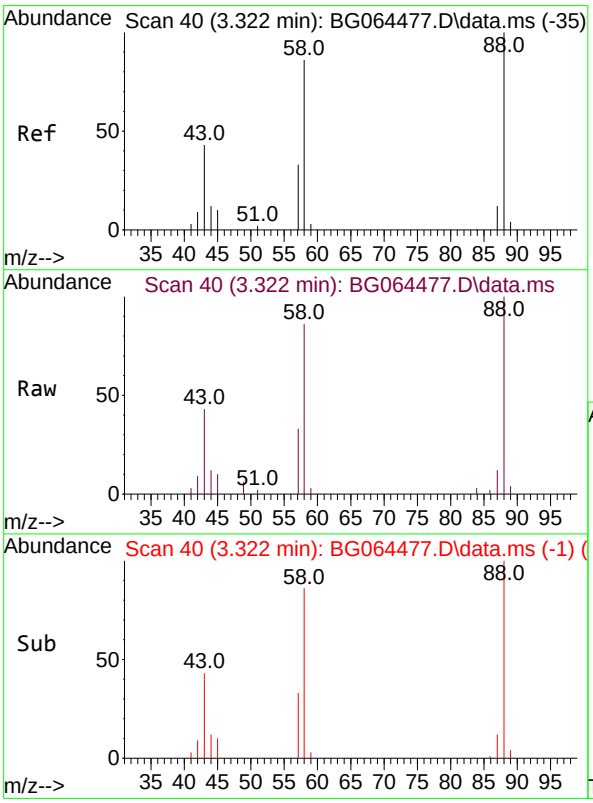
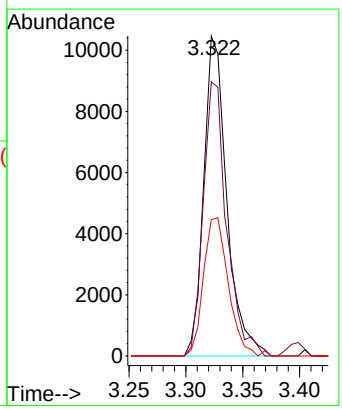
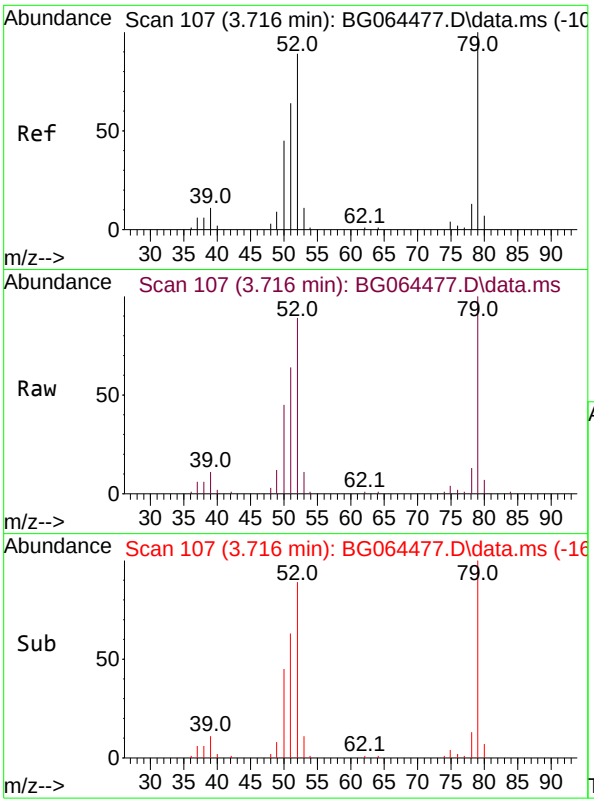


#2
1,4-Dioxane
Concen: 41.013 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

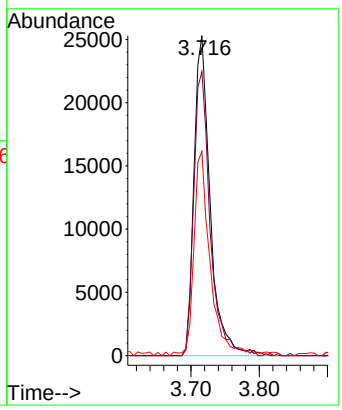




#3
Pyridine
Concen: 43.032 ng
RT: 3.716 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 79 Resp: 4159

Ion	Ratio	Lower	Upper
79	100		
52	88.7	71.0	106.4
51	63.8	51.0	76.6



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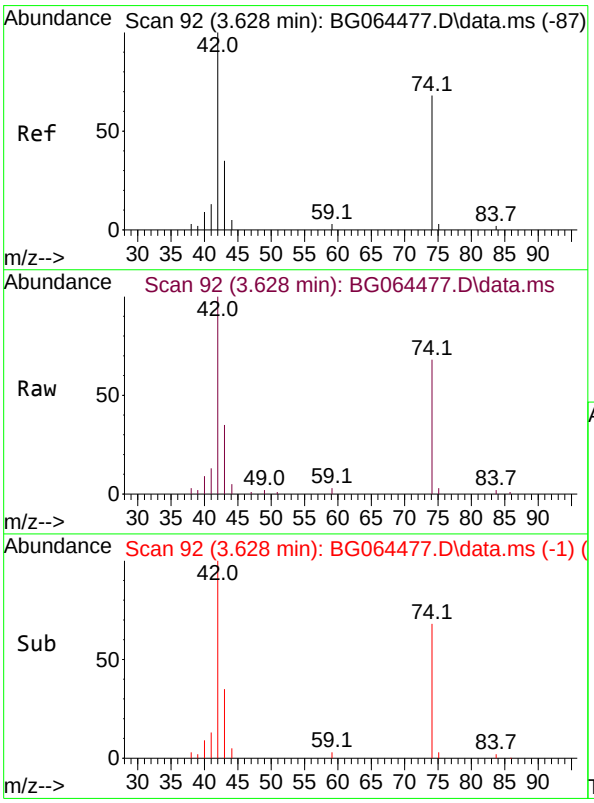
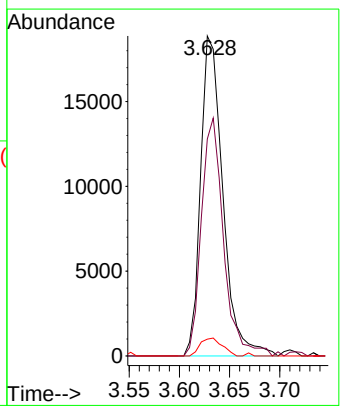
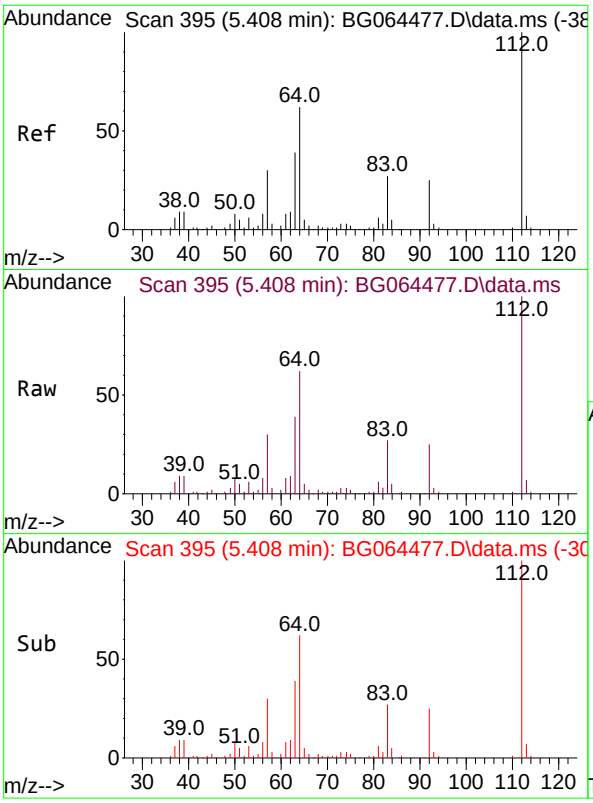


#4
n-Nitrosodimethylamine
Concen: 41.468 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

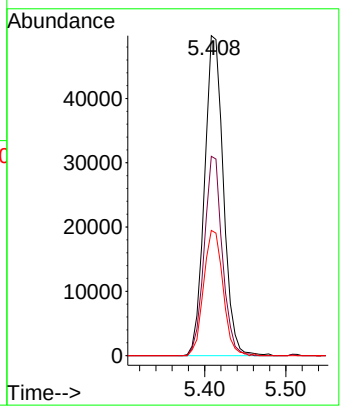




#5
2-Fluorophenol
Concen: 88.428 ng
RT: 5.408 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:112 Resp: 8040

Ion	Ratio	Lower	Upper
112	100		
64	62.3	49.8	74.8
63	39.1	31.3	46.9



Instrument :
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ClientSampleId :
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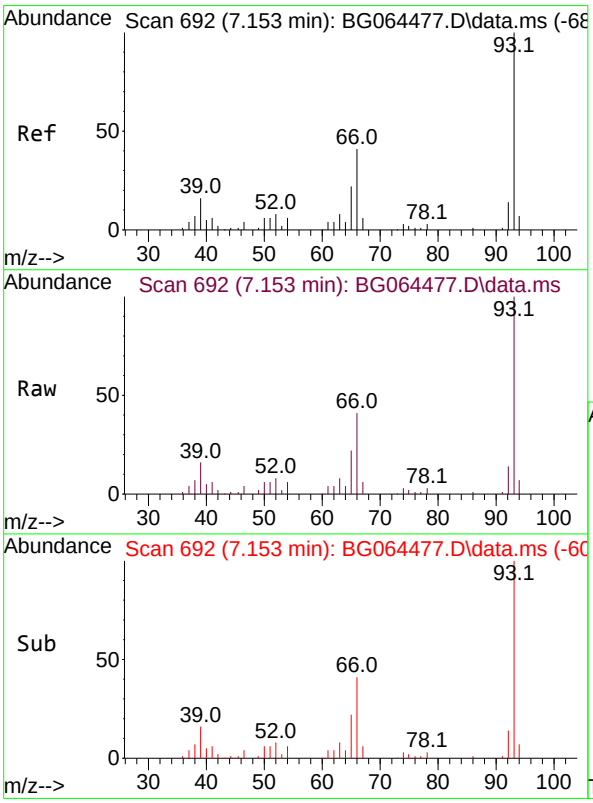
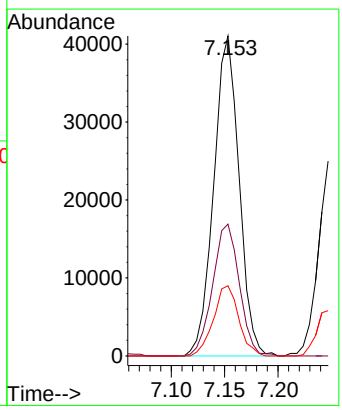
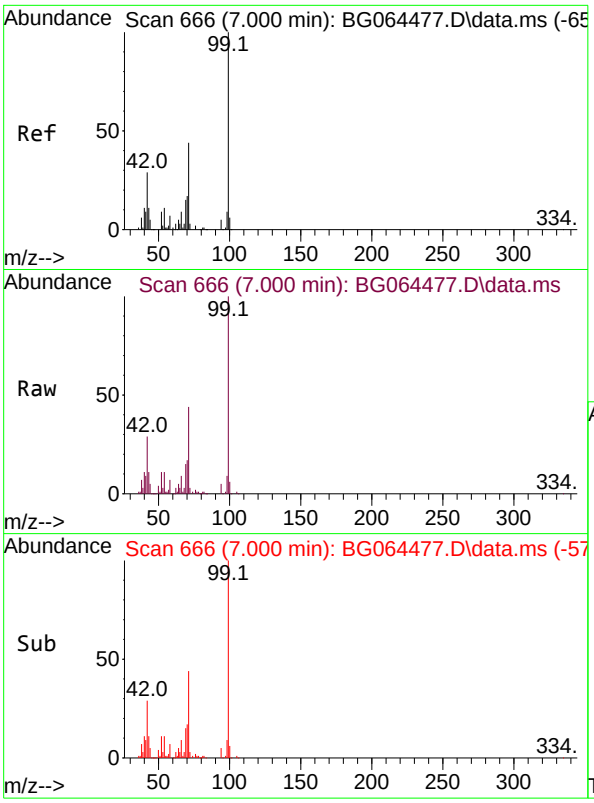


#6
Aniline
Concen: 44.118 ng
RT: 7.153 min Scan# 692
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

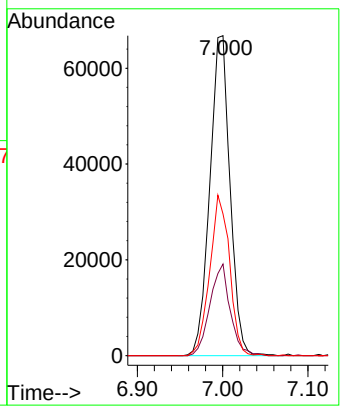




#7
Phenol-d6
Concen: 89.832 ng
RT: 7.000 min Scan# 6
Delta R.T. 0.014 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 99 Resp: 10976

Ion	Ratio	Lower	Upper
99	100		
42	28.6	22.9	34.3
71	44.3	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
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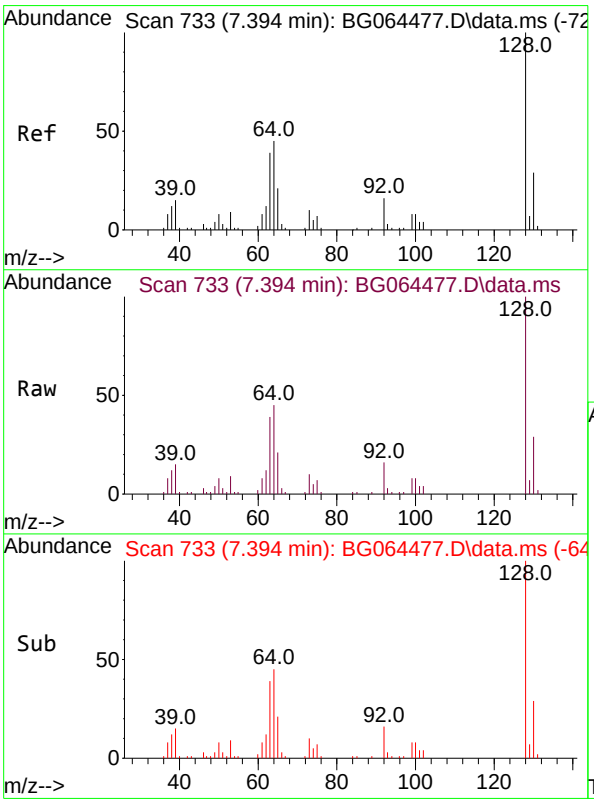
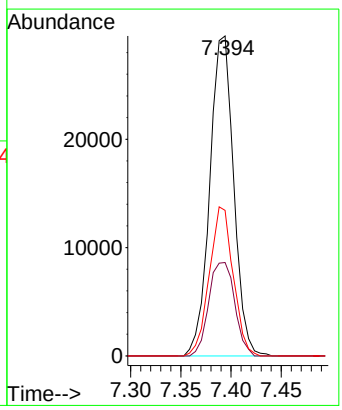
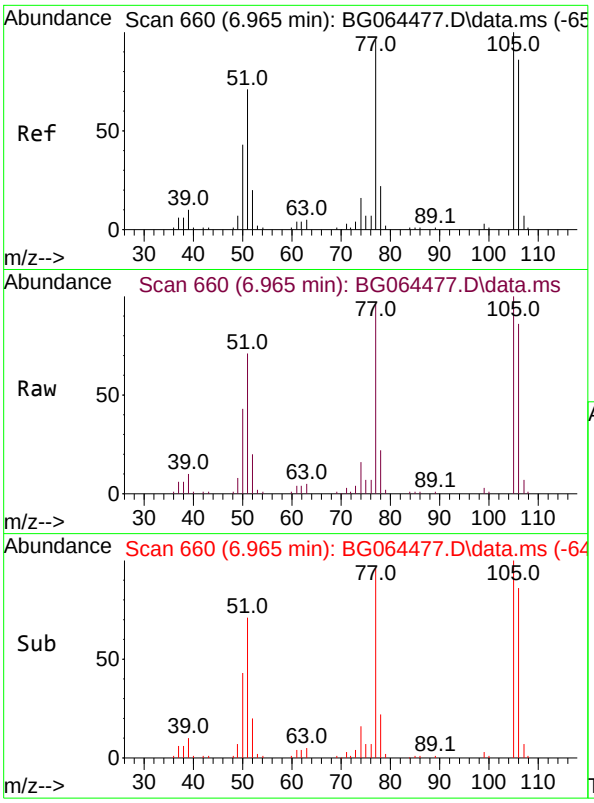


#8
2-Chlorophenol
Concen: 43.861 ng
RT: 7.394 min Scan# 733
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

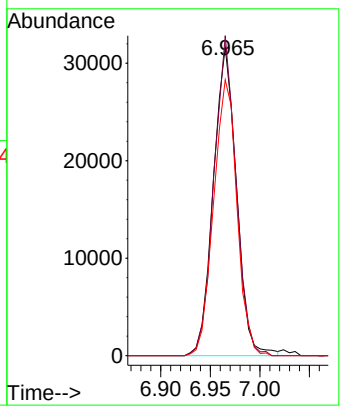




#9
Benzaldehyde
Concen: 47.387 ng m
RT: 6.965 min Scan# 6
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 77 Resp: 5139

Ion	Ratio	Lower	Upper
77	100		
105	103.7	83.7	123.7
106	89.4	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
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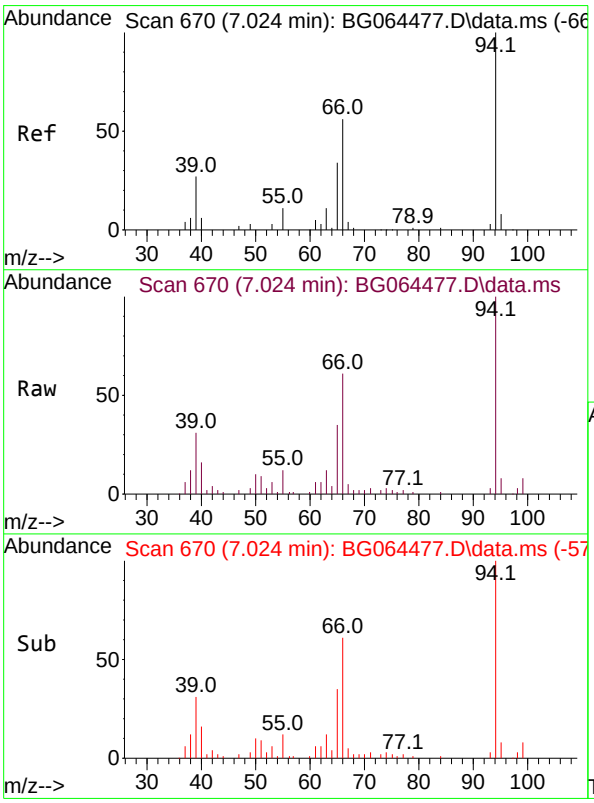
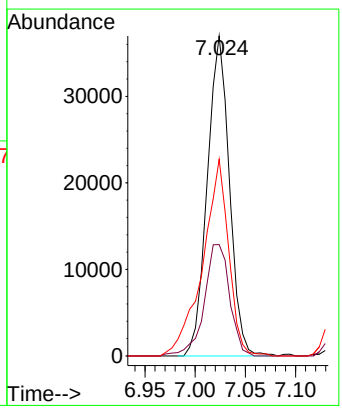
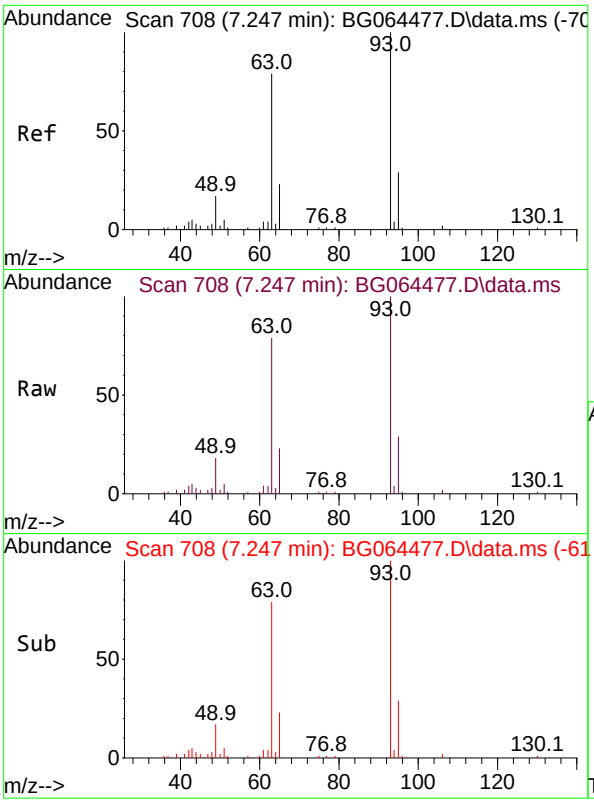


#10
Phenol
Concen: 43.953 ng
RT: 7.024 min Scan# 670
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

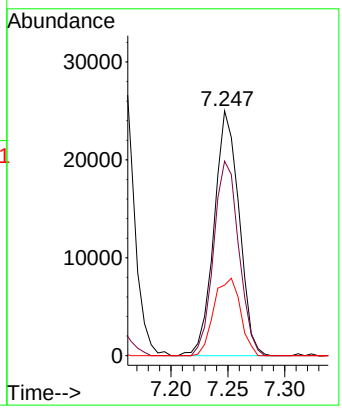




#11
bis(2-Chloroethyl)ether
Concen: 43.717 ng
RT: 7.247 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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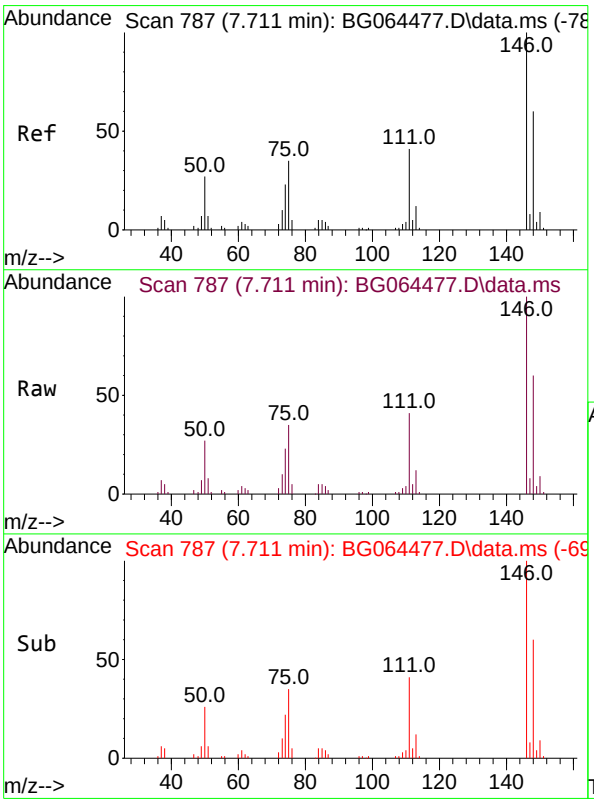
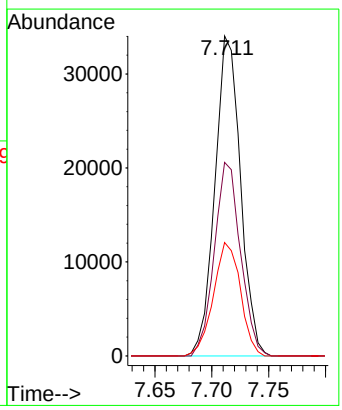
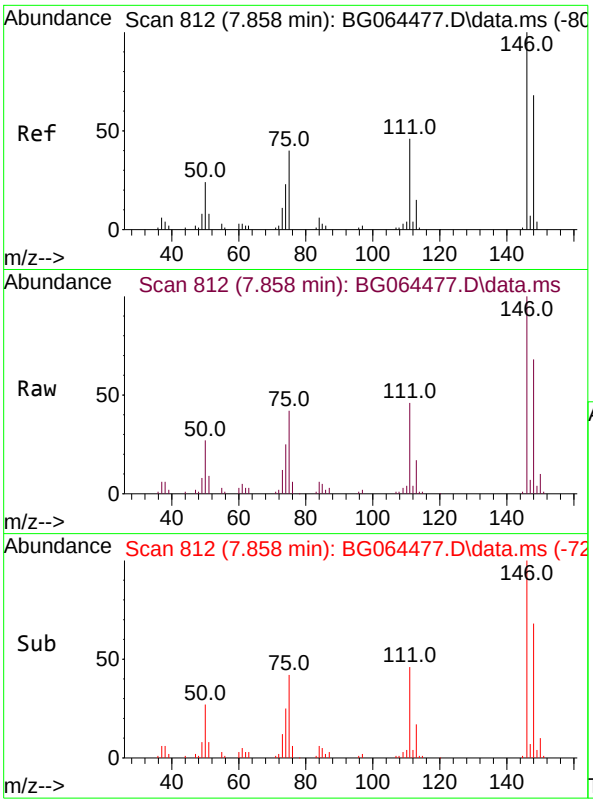


#12
1,3-Dichlorobenzene
Concen: 43.595 ng
RT: 7.711 min Scan# 787
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

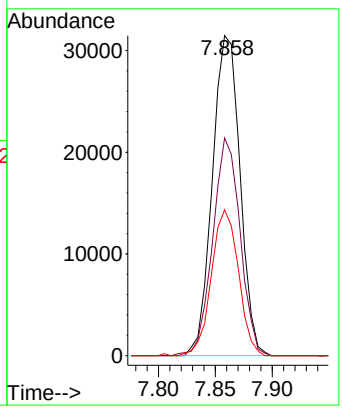




#13
1,4-Dichlorobenzene
Concen: 43.419 ng
RT: 7.858 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:146 Resp: 5322

Ion	Ratio	Lower	Upper
146	100		
148	68.0	54.4	81.6
111	45.6	36.5	54.7



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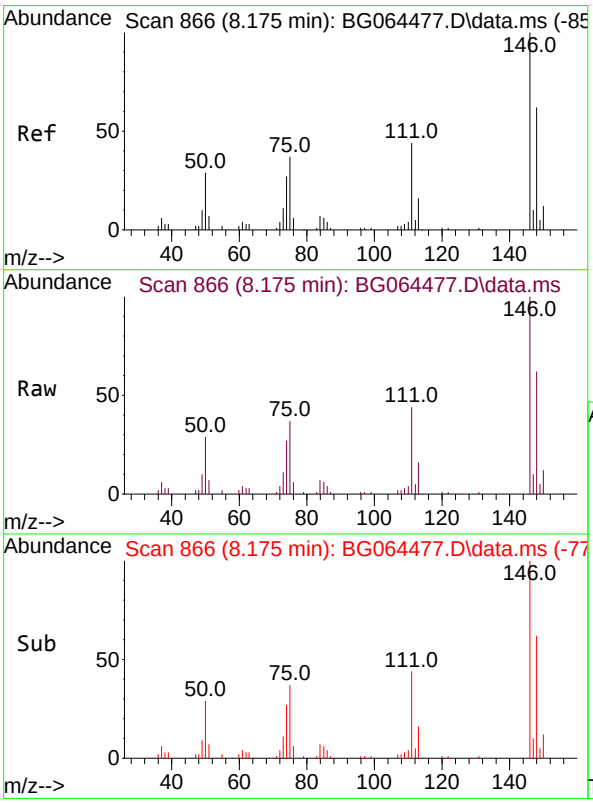
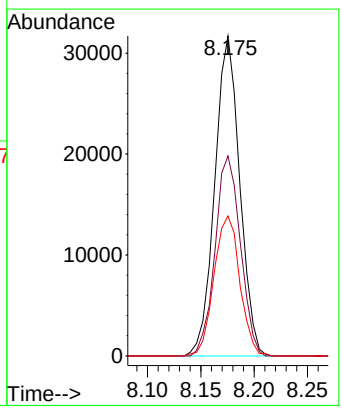
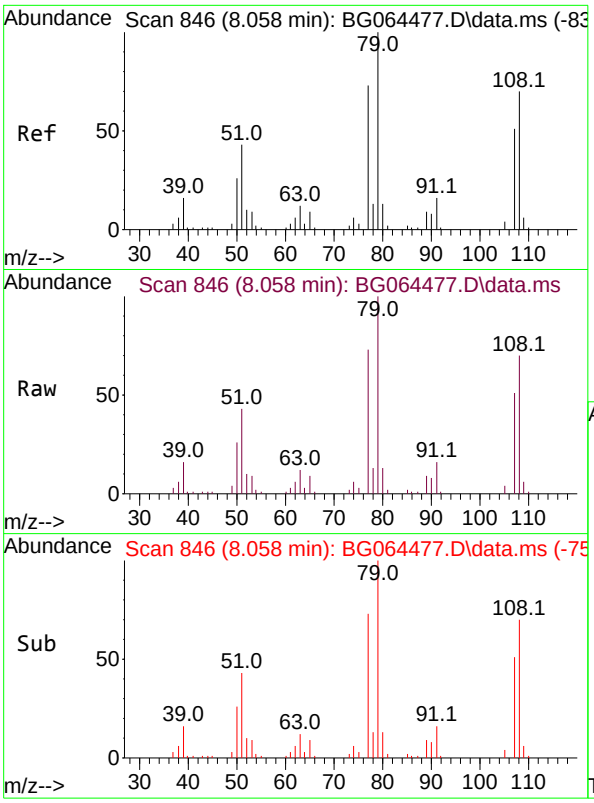


#14
1,2-Dichlorobenzene
Concen: 42.713 ng
RT: 8.175 min Scan# 866
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

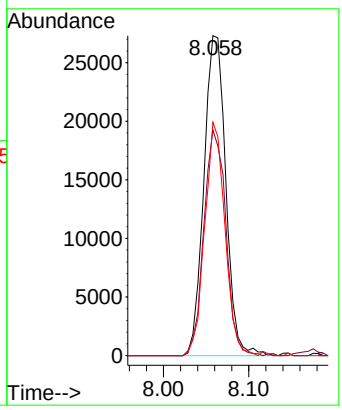




#15
Benzyl Alcohol
Concen: 43.275 ng
RT: 8.058 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 79 Resp: 4869

Ion	Ratio	Lower	Upper
79	100		
108	70.5	56.4	84.6
77	72.9	58.3	87.5



Instrument :
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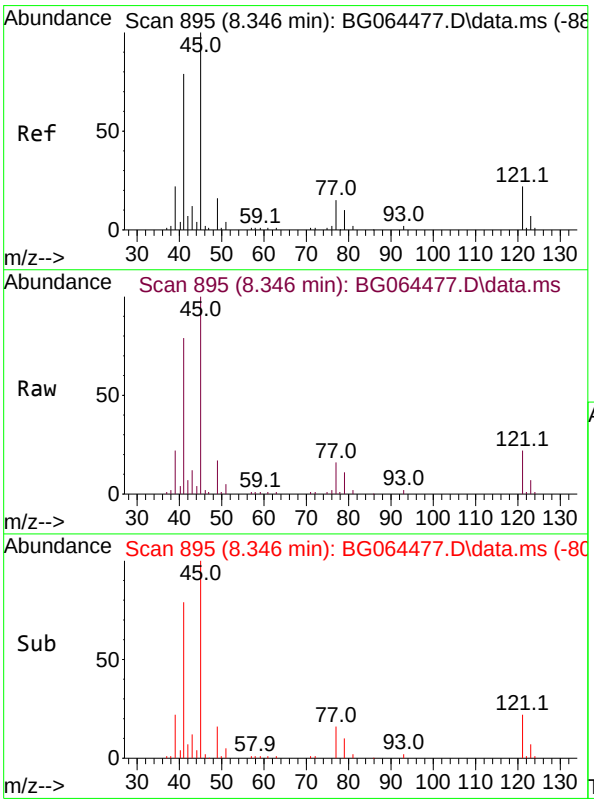
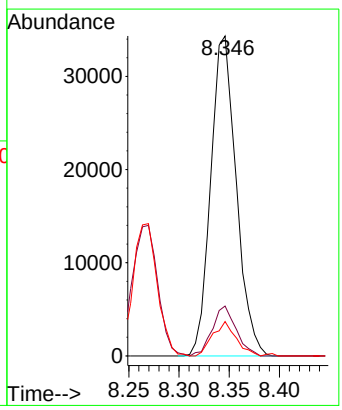
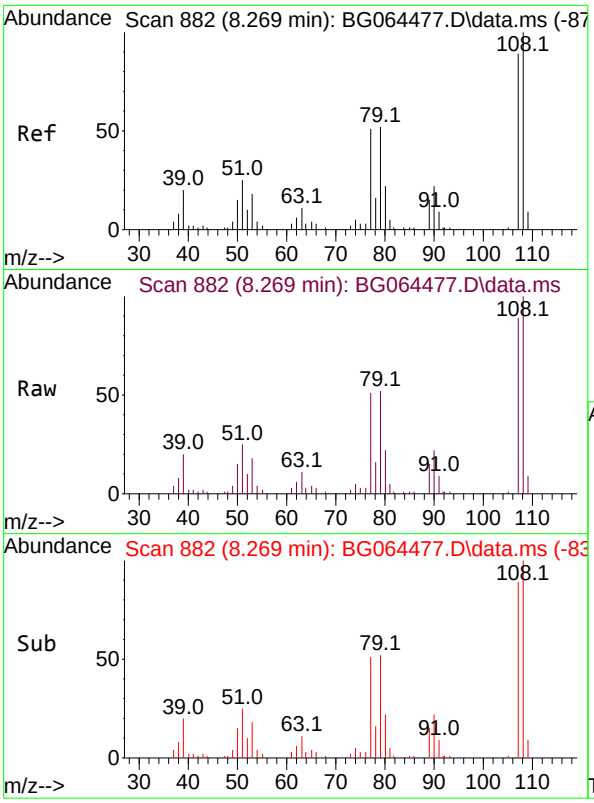


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.142 ng
RT: 8.346 min Scan# 895
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

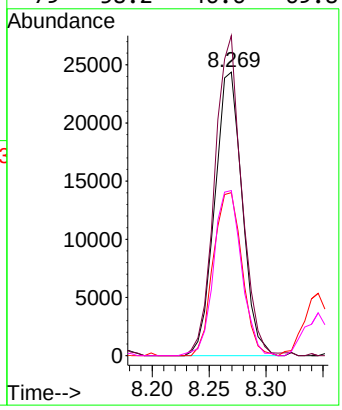




#17
2-Methylphenol
Concen: 43.800 ng
RT: 8.269 min Scan# 88
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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



Instrument :
BNA_G
ClientSampleId :
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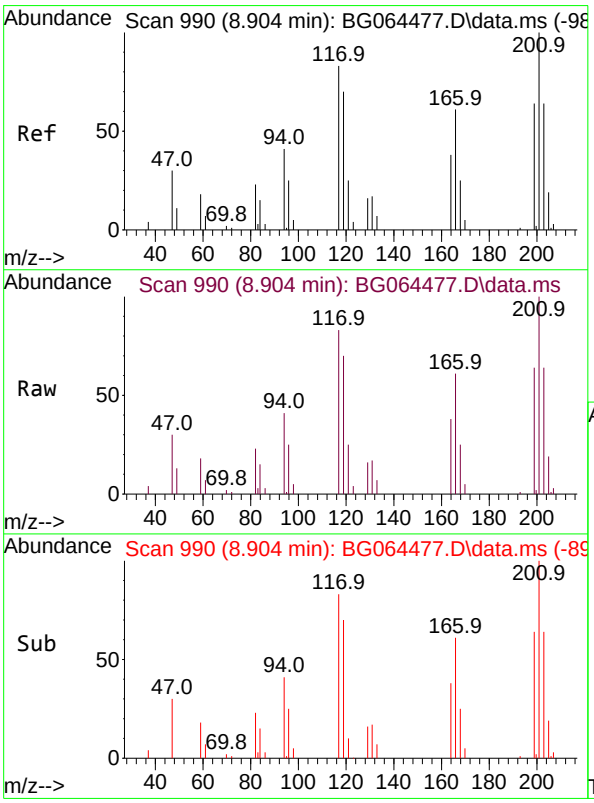
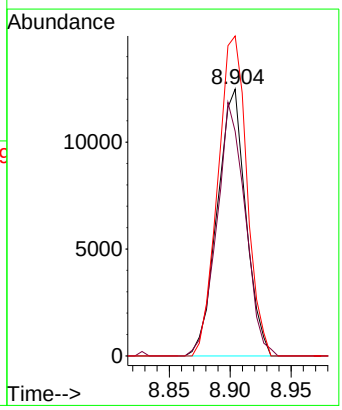
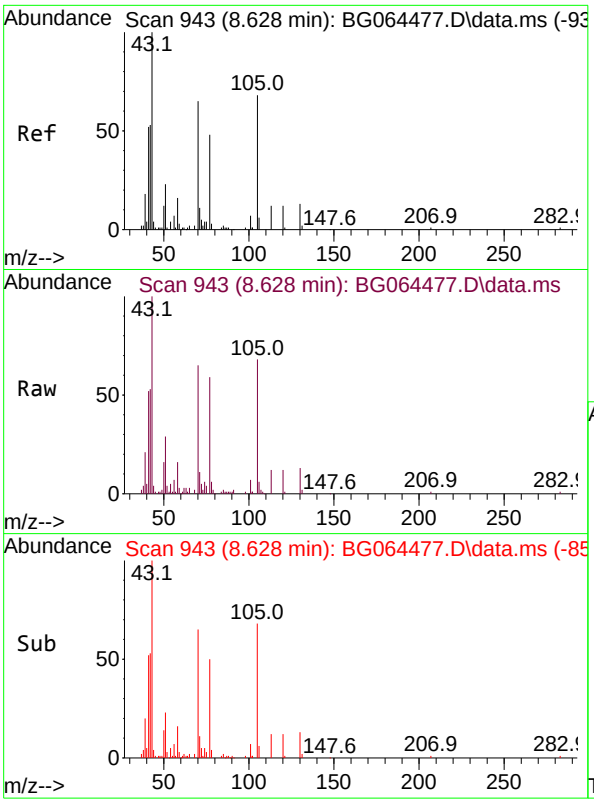


#18
Hexachloroethane
Concen: 41.981 ng
RT: 8.904 min Scan# 990
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

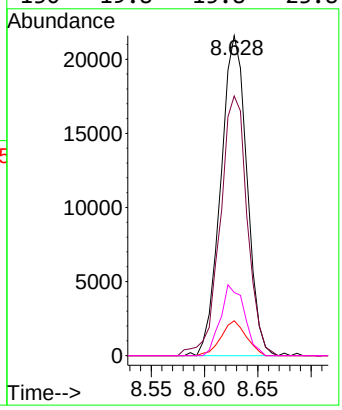




#19
n-Nitroso-di-n-propylamine
Concen: 45.142 ng
RT: 8.628 min Scan# 94
Delta R.T. 0.014 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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



Instrument :
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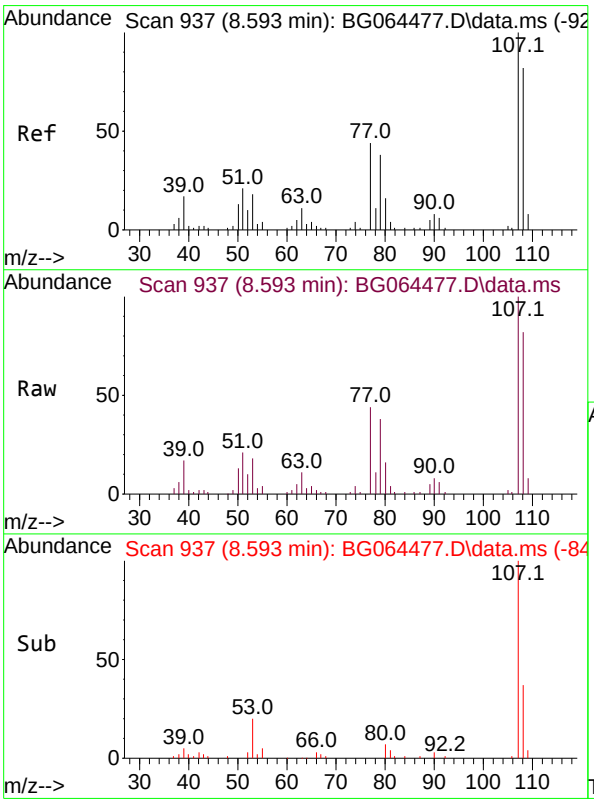
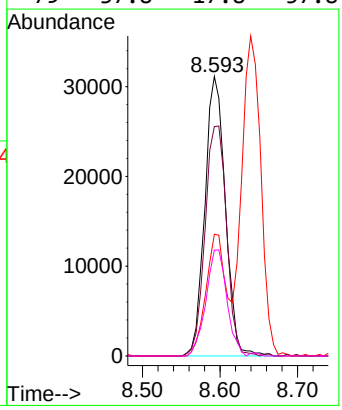
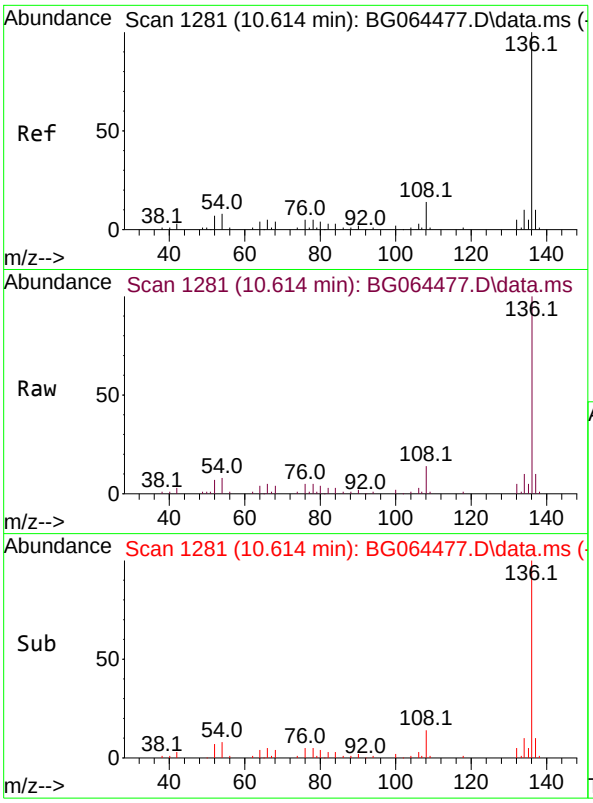


#20
3+4-Methylphenols
Concen: 43.917 ng
RT: 8.593 min Scan# 937
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

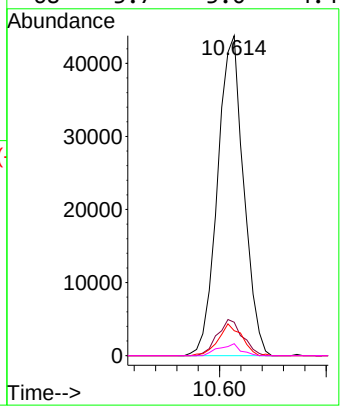




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:136 Resp: 7435

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



Instrument :
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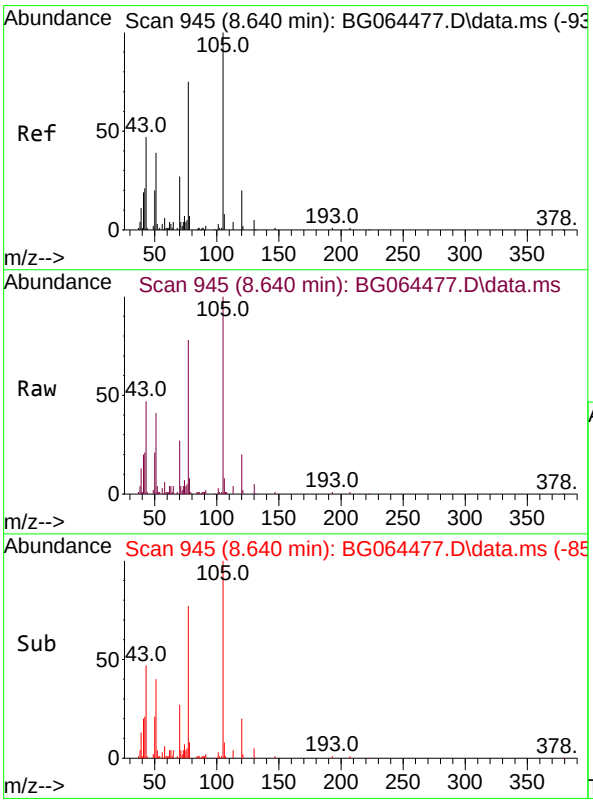
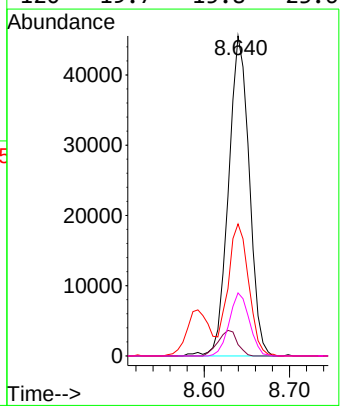
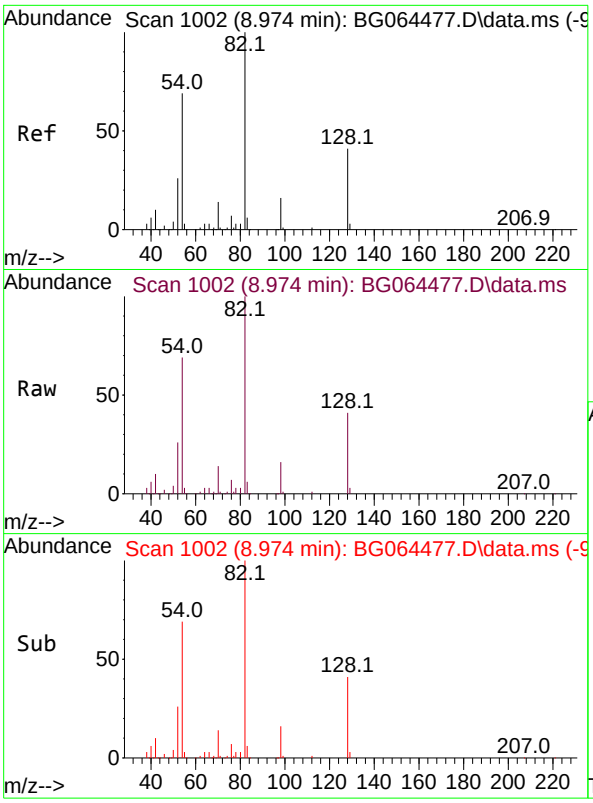


#22
Acetophenone
Concen: 42.634 ng
RT: 8.640 min Scan# 945
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

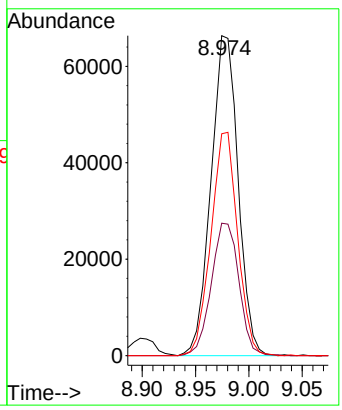




#23
Nitrobenzene-d5
Concen: 85.074 ng
RT: 8.974 min Scan# 10
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 82 Resp: 11763

Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.1	49.7
54	69.3	55.4	83.2



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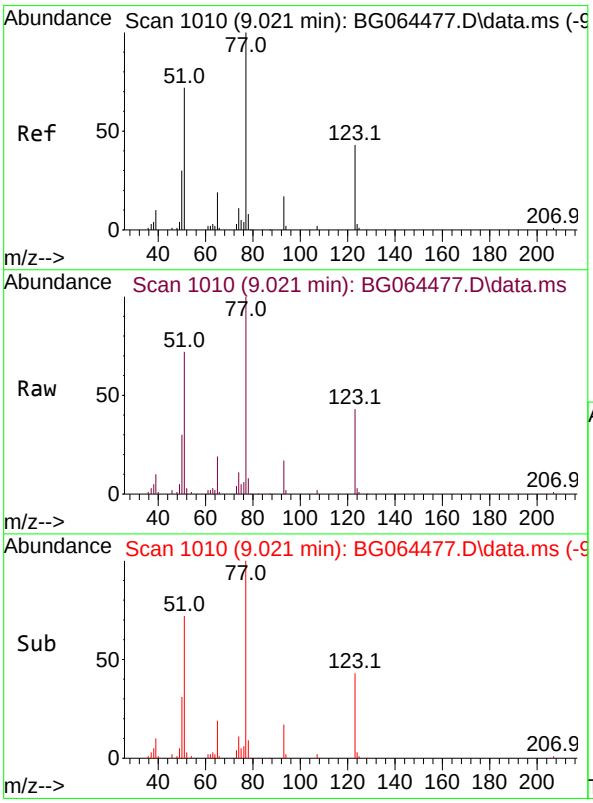
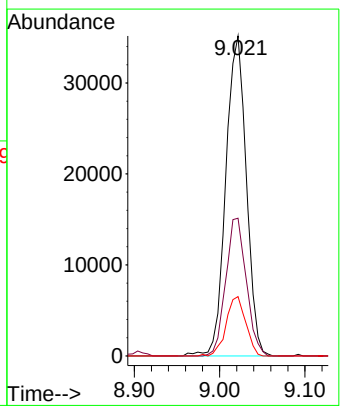
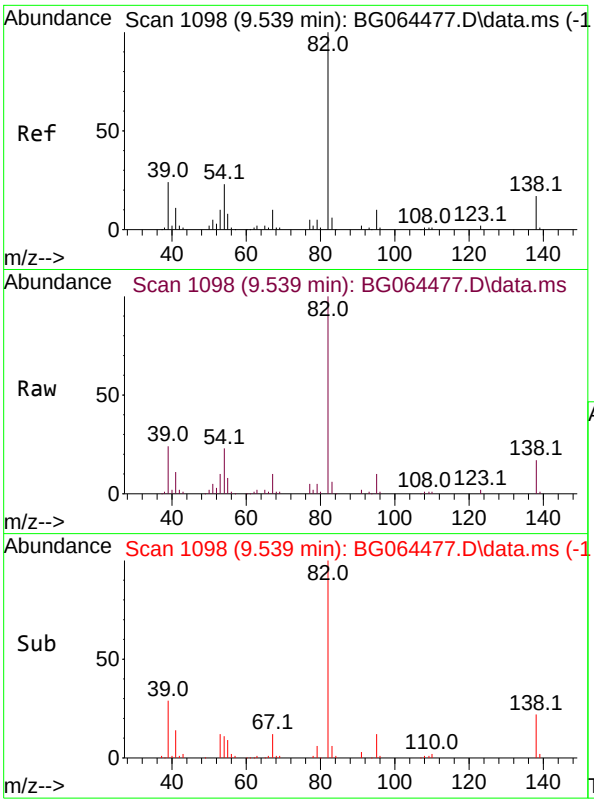


#24
Nitrobenzene
Concen: 42.592 ng
RT: 9.021 min Scan# 1010
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

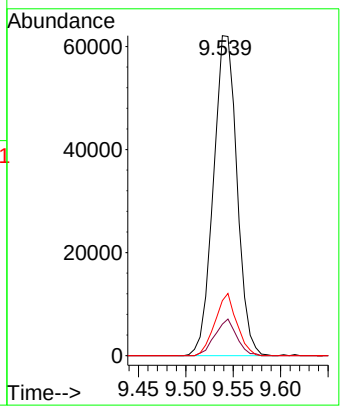




#25
Isophorone
Concen: 42.808 ng
RT: 9.539 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 82 Resp: 10723

Ion	Ratio	Lower	Upper
82	100		
95	9.8	7.8	11.8
138	17.2	13.8	20.6



Instrument :
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ClientSampleId :
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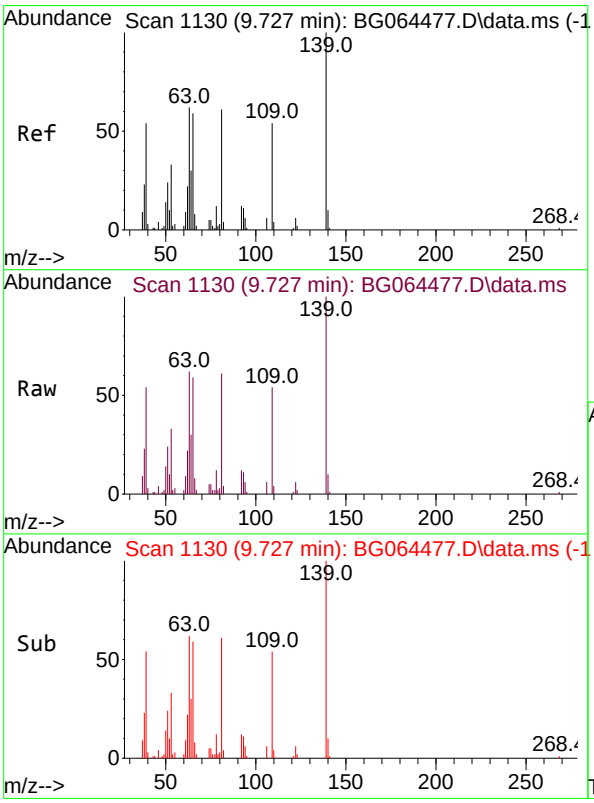
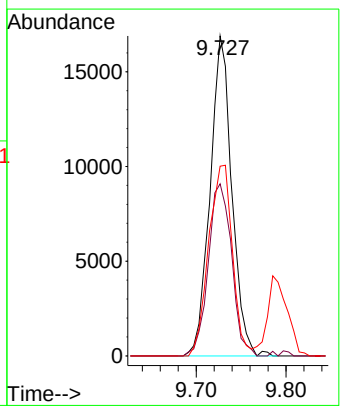
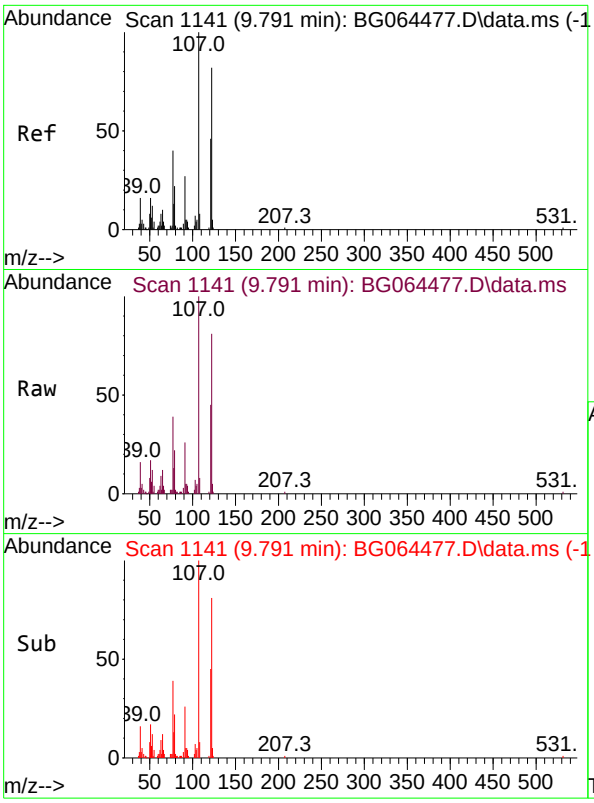


#26
2-Nitrophenol
Concen: 41.564 ng
RT: 9.727 min Scan# 1130
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

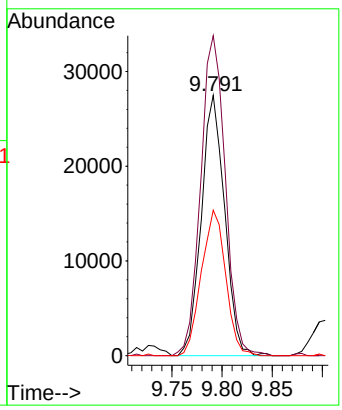




#27
2,4-Dimethylphenol
Concen: 42.353 ng
RT: 9.791 min Scan# 11
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:122 Resp: 4439

Ion	Ratio	Lower	Upper
122	100		
107	122.9	98.3	147.5
121	55.9	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
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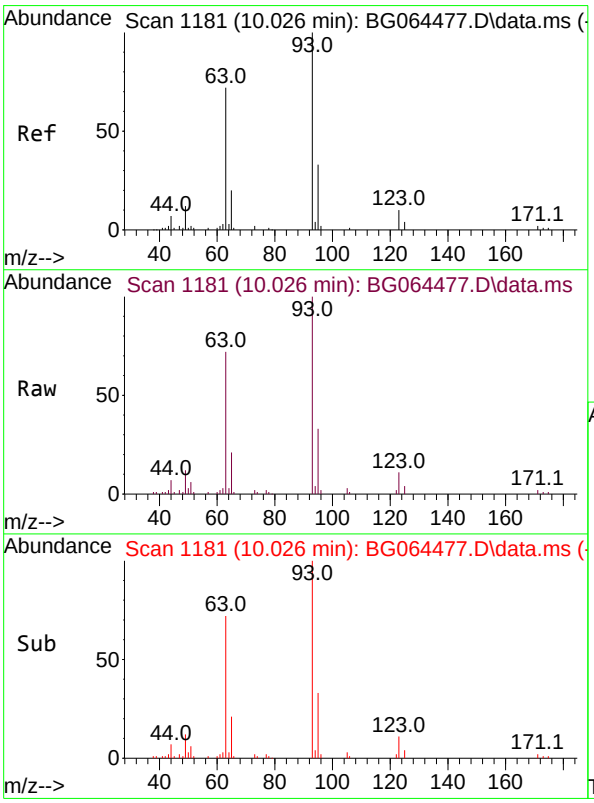
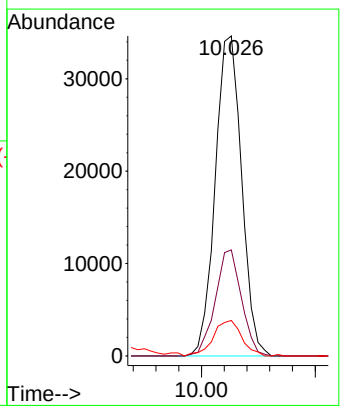
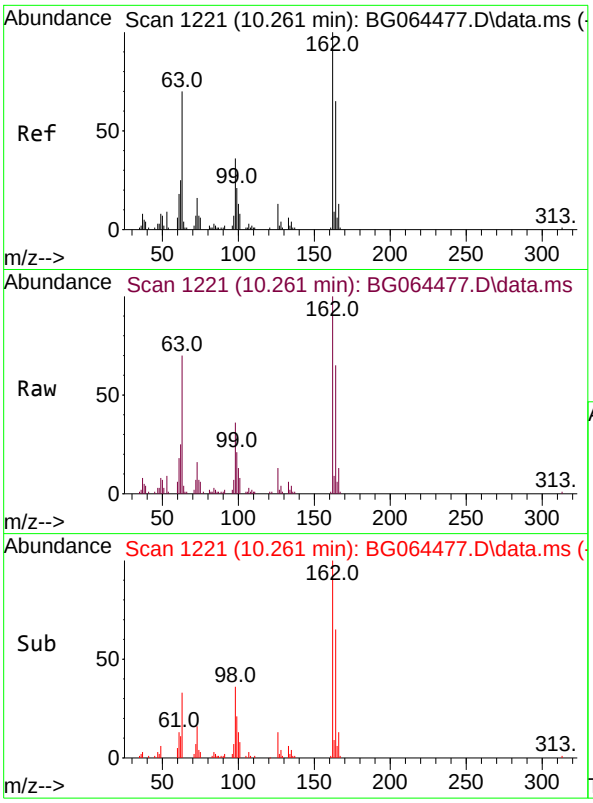


#28
bis(2-Chloroethoxy)methane
Concen: 43.620 ng
RT: 10.026 min Scan# 1181
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

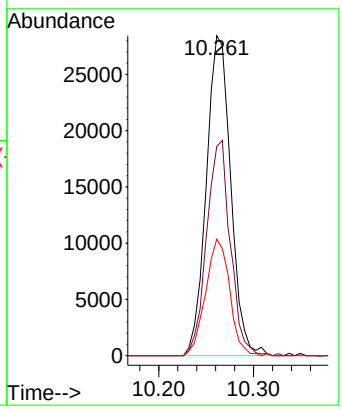




#29
2,4-Dichlorophenol
Concen: 42.046 ng
RT: 10.261 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:162 Resp: 5096

Ion	Ratio	Lower	Upper
162	100		
164	65.4	45.4	85.4
98	36.4	16.4	56.4



Instrument :
BNA_G
ClientSampleId :
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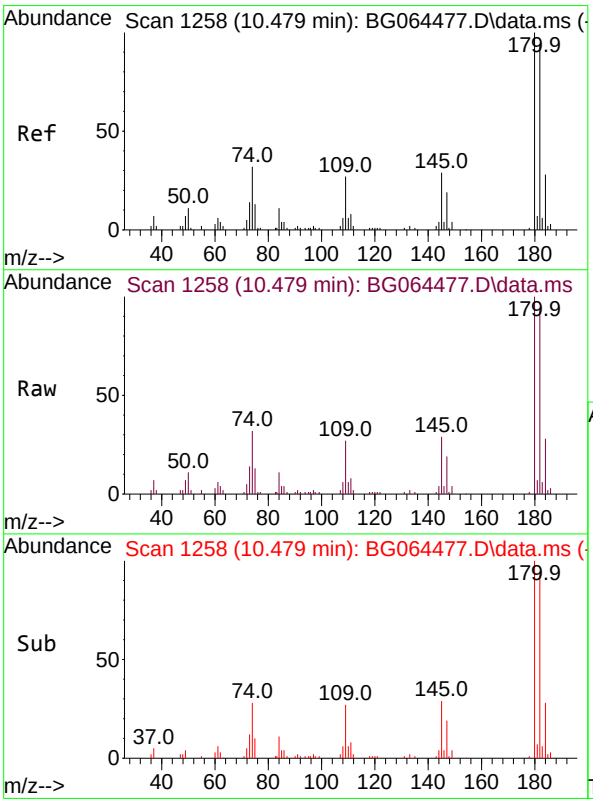
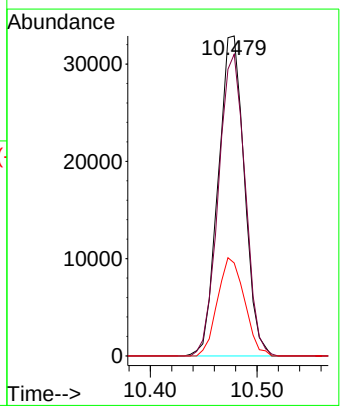
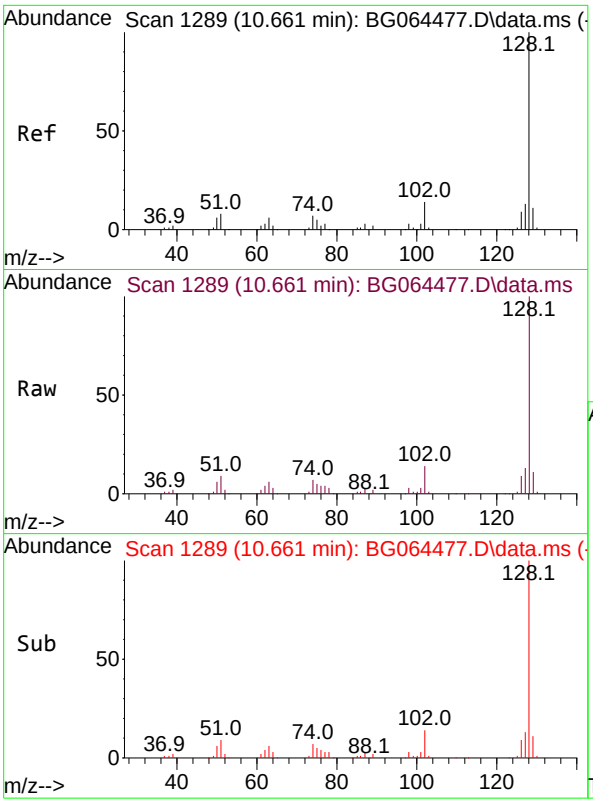


#30
1,2,4-Trichlorobenzene
Concen: 42.432 ng
RT: 10.479 min Scan# 1258
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

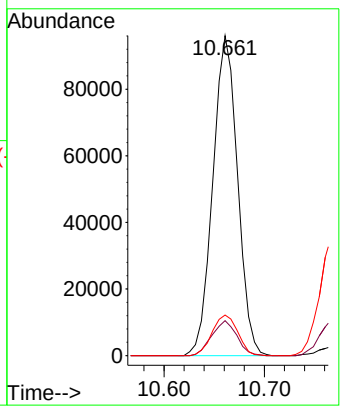




#31
Naphthalene
Concen: 43.002 ng
RT: 10.661 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:128 Resp: 16463

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.7	10.2	15.2



Instrument :
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ClientSampleId :
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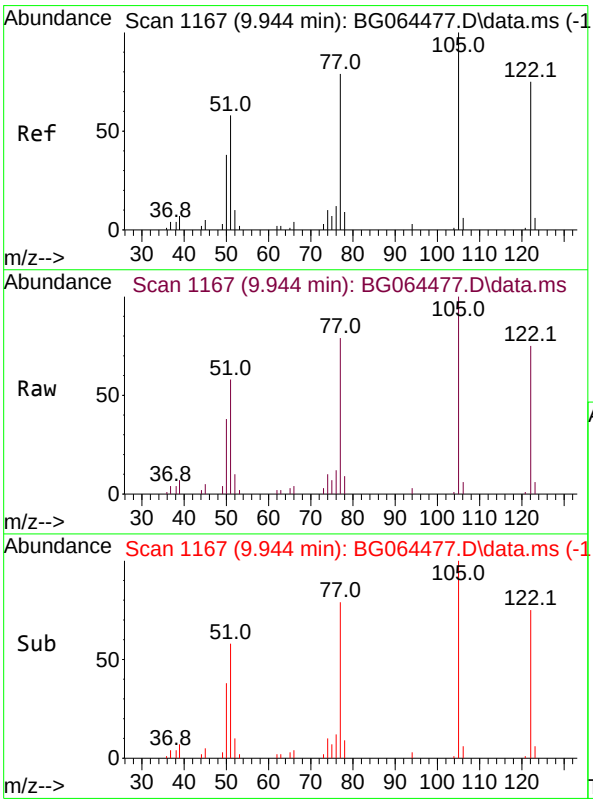
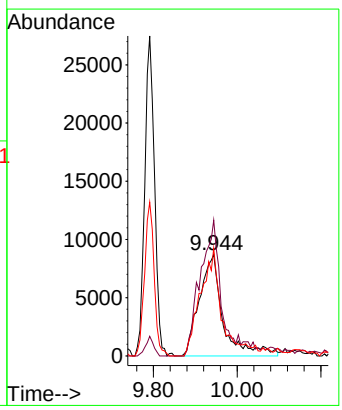
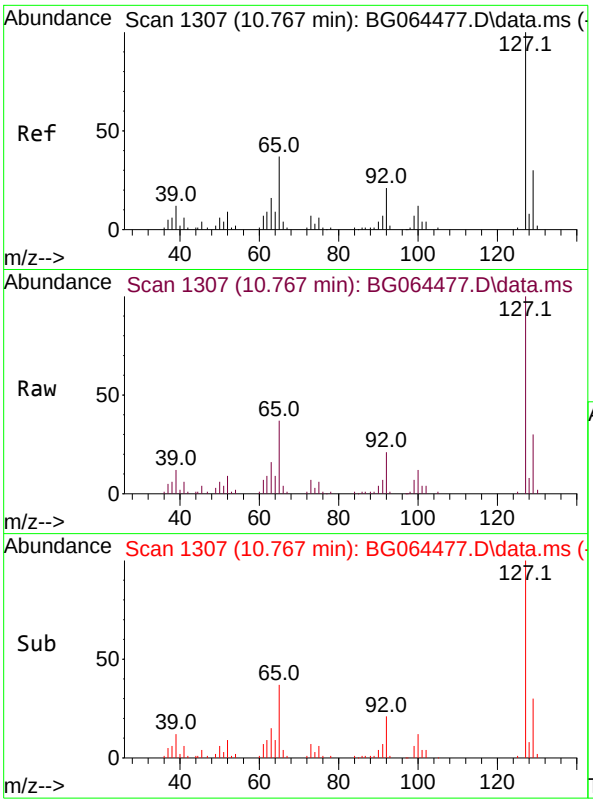


#32
Benzoic acid
Concen: 42.319 ng m
RT: 9.944 min Scan# 1167
Delta R.T. 0.055 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

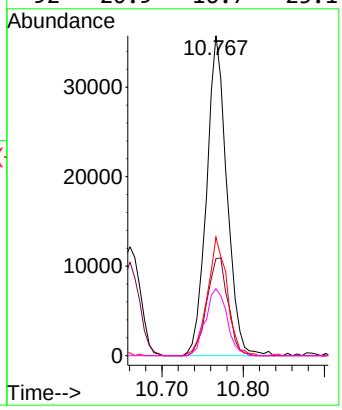




#33
4-Chloroaniline
Concen: 42.224 ng
RT: 10.767 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:127 Resp: 6203

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



Instrument :
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ClientSampleId :
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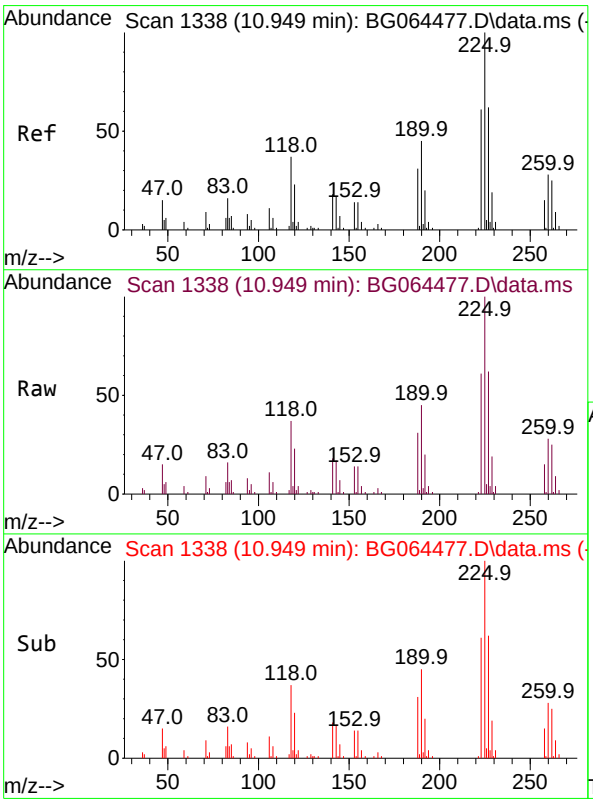
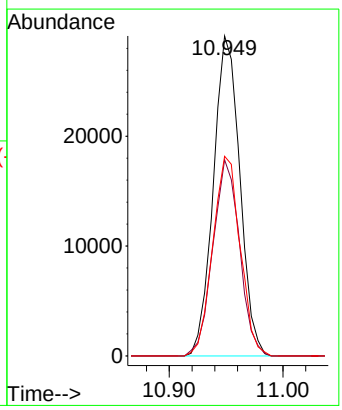
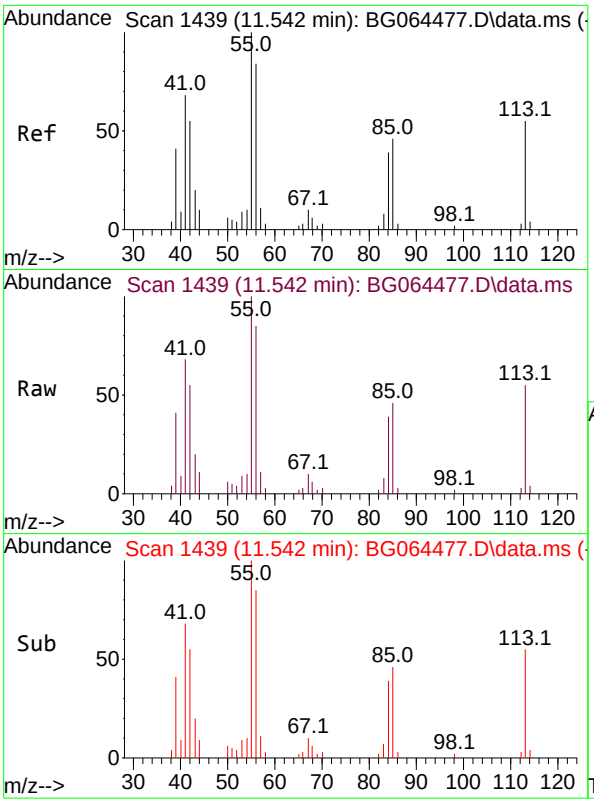


#34
Hexachlorobutadiene
Concen: 41.566 ng
RT: 10.949 min Scan# 1338
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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# 14
Delta R.T. 0.032 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:113 Resp: 1706

Ion	Ratio	Lower	Upper
113	100		
55	182.0	162.0	202.0
56	154.6	134.6	174.6

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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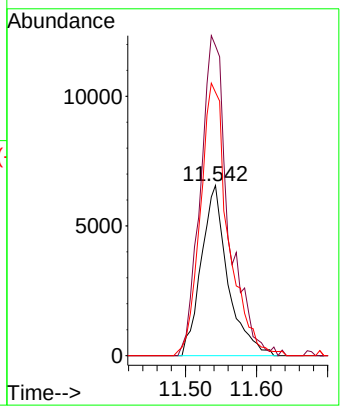
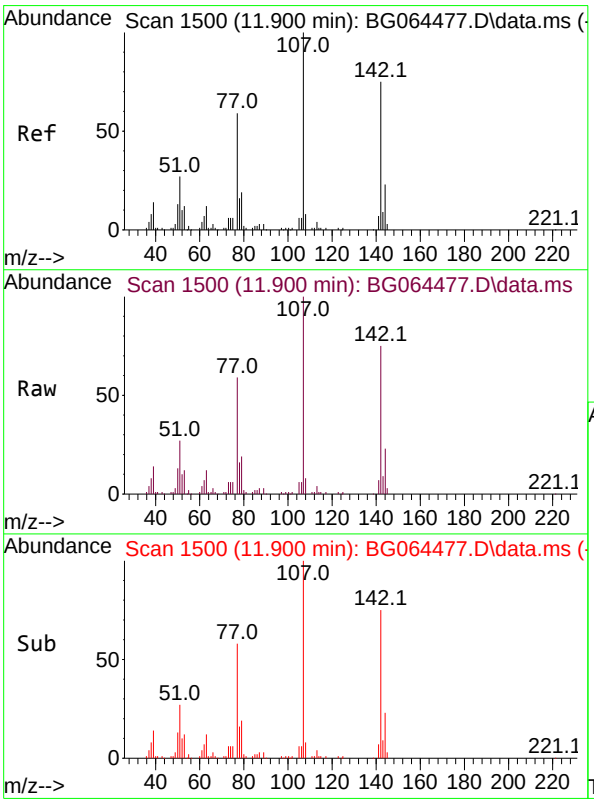
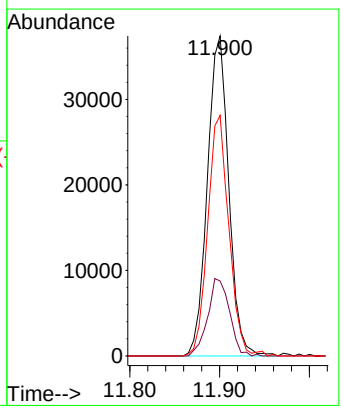


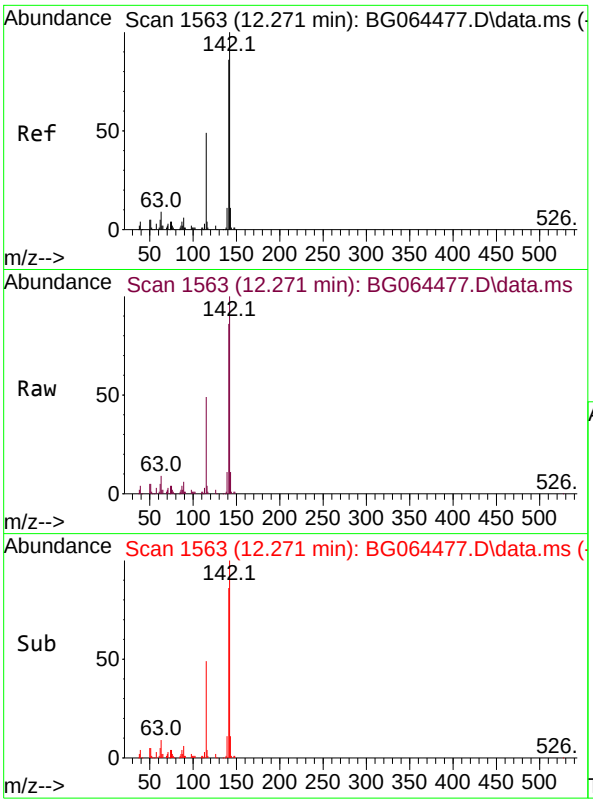


#36
4-Chloro-3-methylphenol
Concen: 42.181 ng
RT: 11.900 min Scan# 1500
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

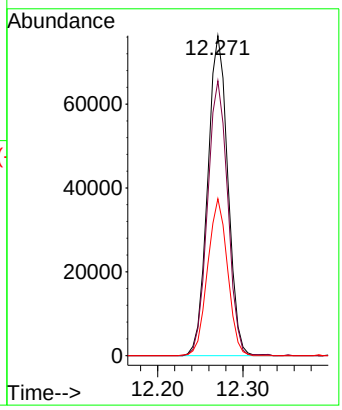




#37
2-Methylnaphthalene
Concen: 42.634 ng
RT: 12.271 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:142 Resp: 12529

Ion	Ratio	Lower	Upper
142	100		
141	85.9	68.7	103.1
115	49.1	39.3	58.9



Instrument :
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ClientSampleId :
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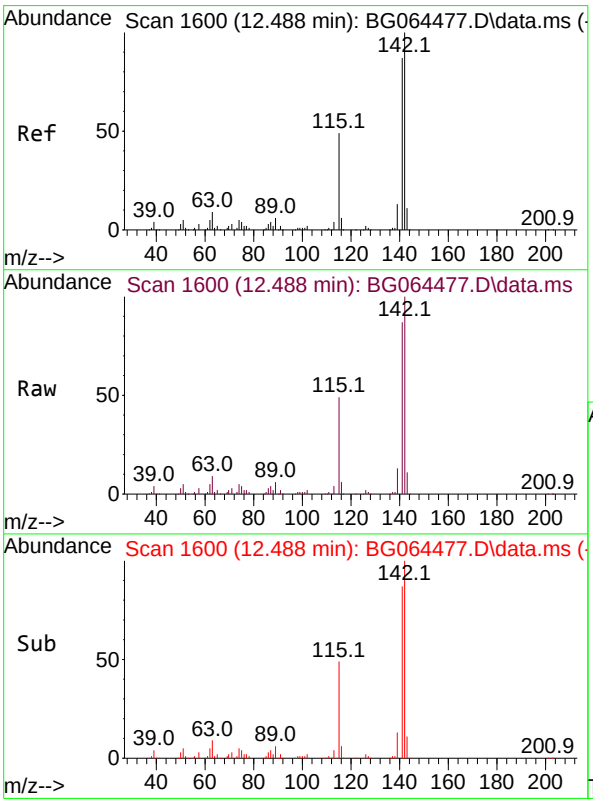
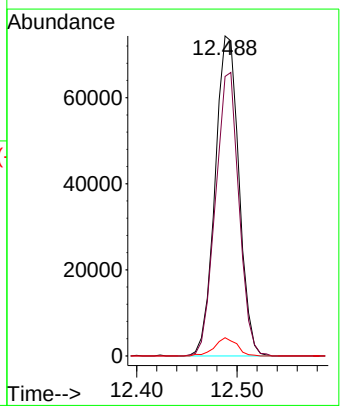
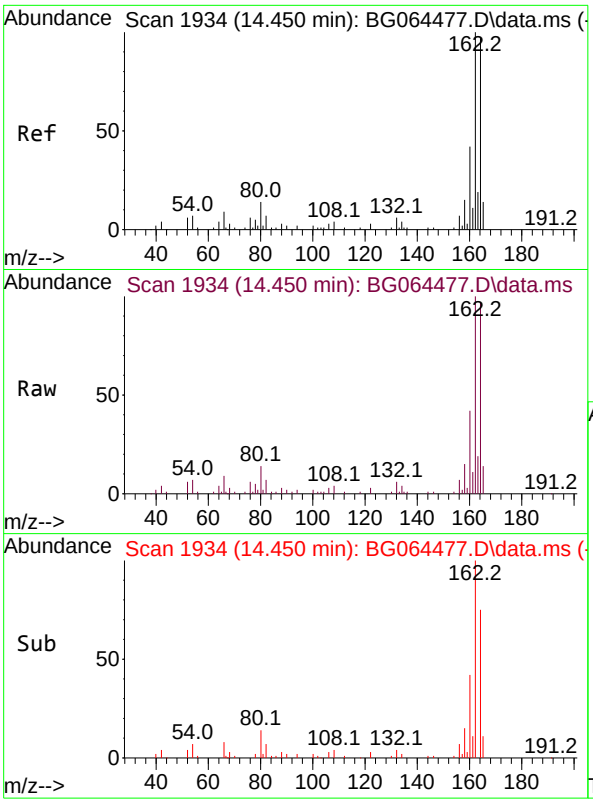


#38
1-Methylnaphthalene
Concen: 41.851 ng
RT: 12.488 min Scan# 1600
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

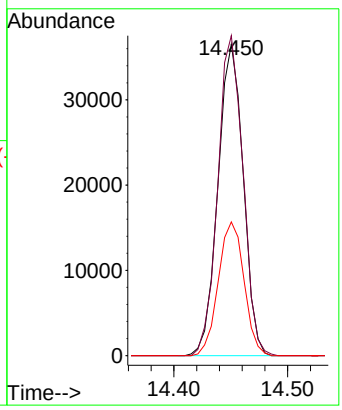




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.450 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:164 Resp: 5640

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	42.9	34.3	51.5



Instrument :
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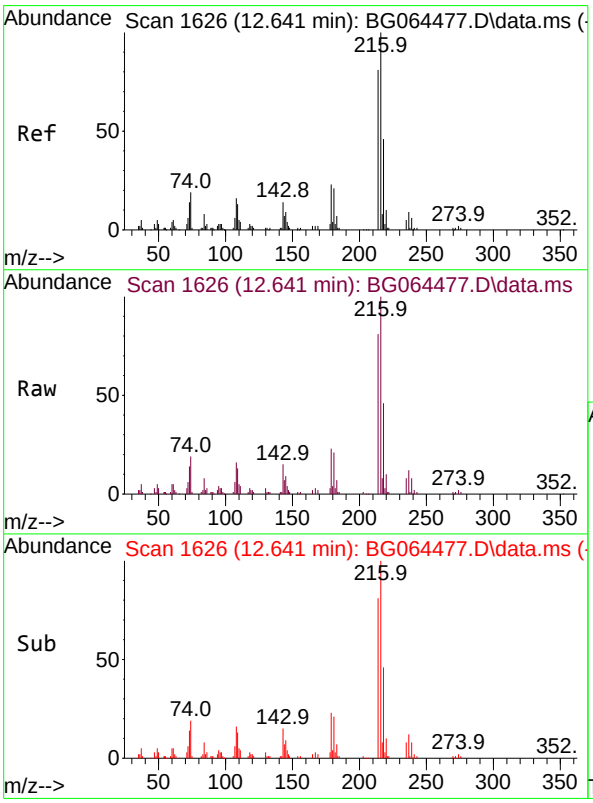
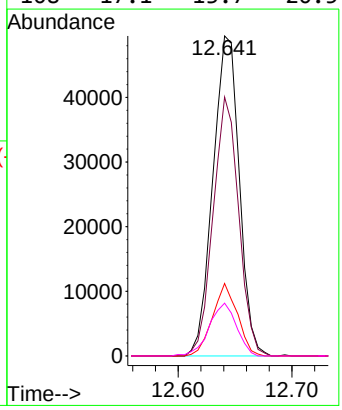
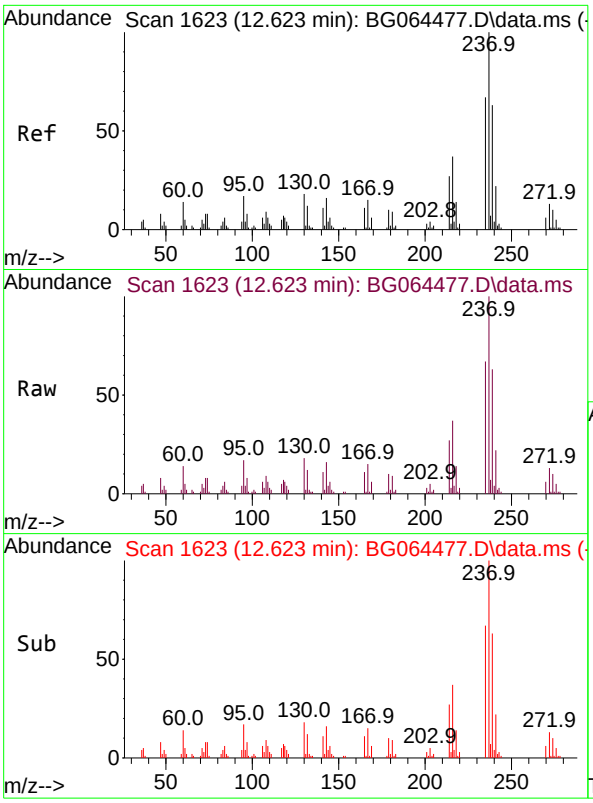


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.852 ng
RT: 12.641 min Scan# 1626
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

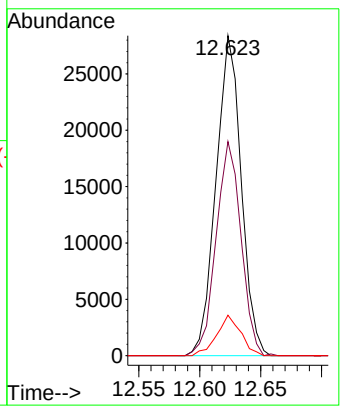




#41
Hexachlorocyclopentadiene
Concen: 42.981 ng
RT: 12.623 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:237 Resp: 4094

Ion	Ratio	Lower	Upper
237	100		
235	66.9	46.9	86.9
272	12.6	0.0	32.6



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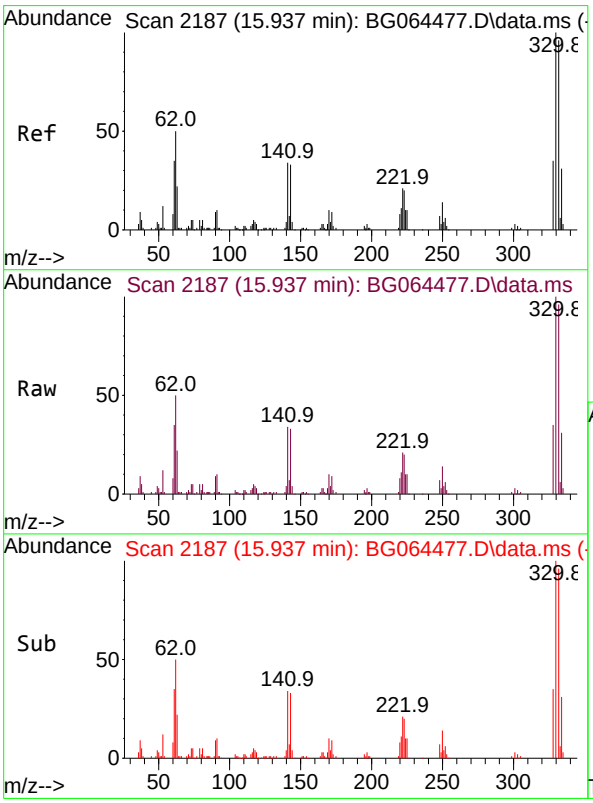
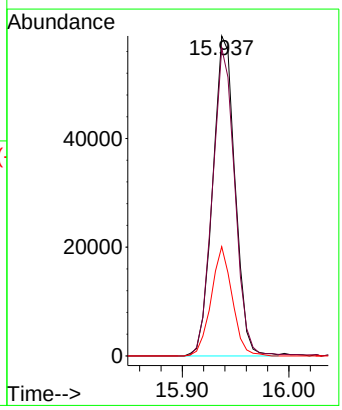
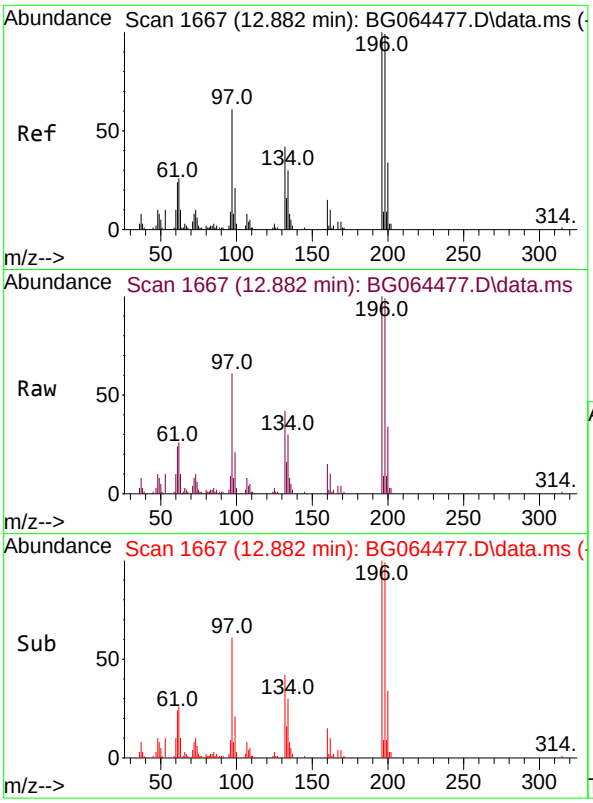


#42
2,4,6-Tribromophenol
Concen: 83.995 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

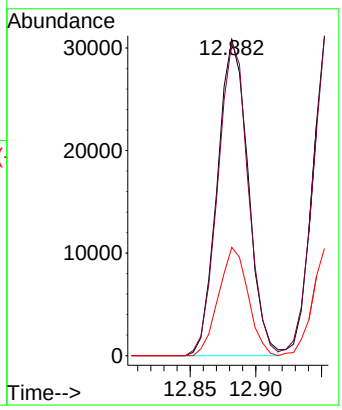




#43
2,4,6-Trichlorophenol
Concen: 43.159 ng
RT: 12.882 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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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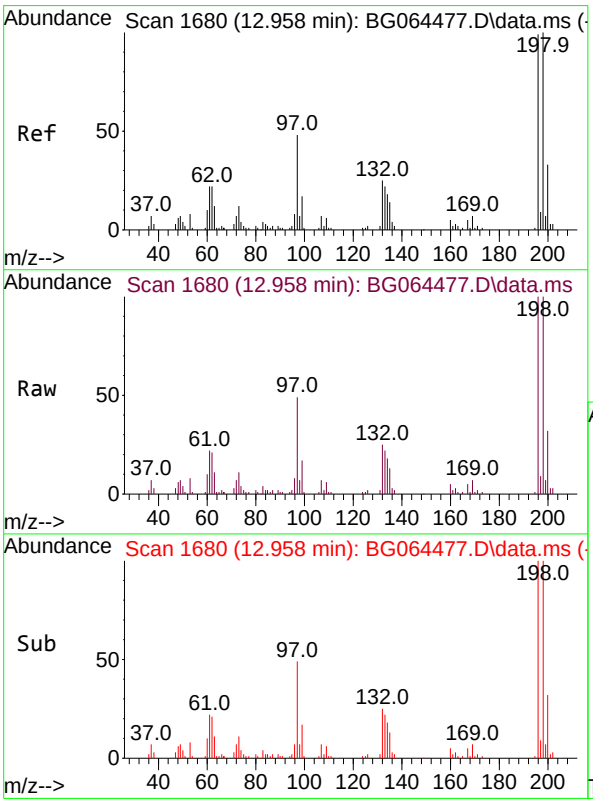
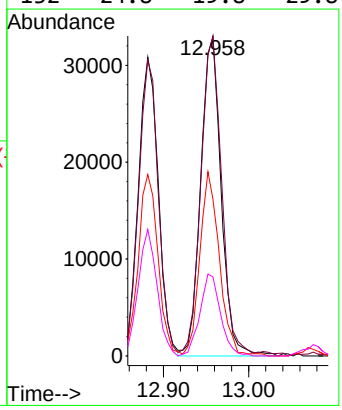
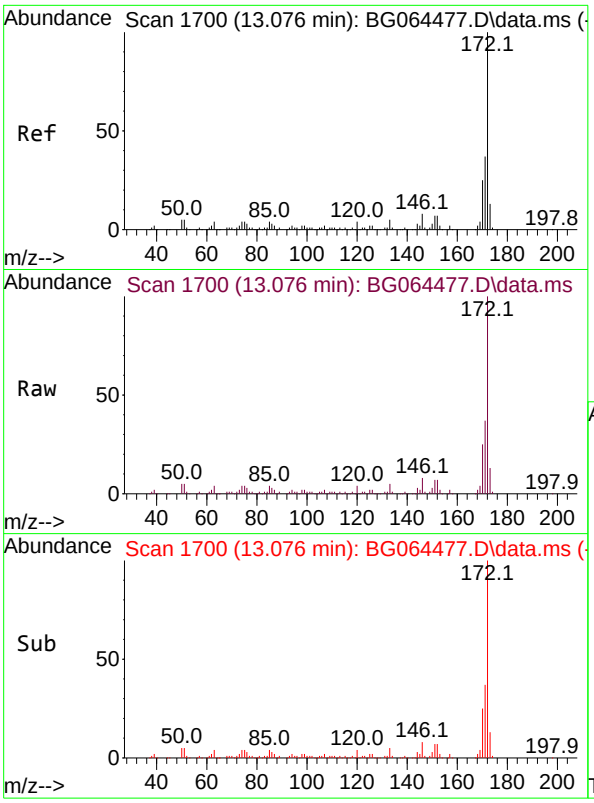


#44
2,4,5-Trichlorophenol
Concen: 42.147 ng
RT: 12.958 min Scan# 1680
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

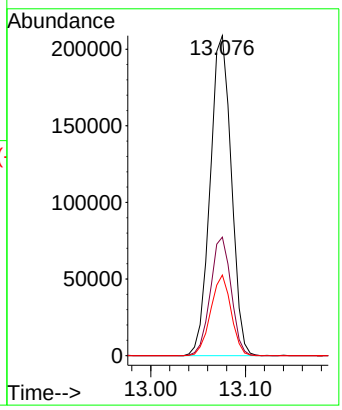




#45
2-Fluorobiphenyl
Concen: 84.566 ng
RT: 13.076 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:172 Resp: 32360

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	25.2	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
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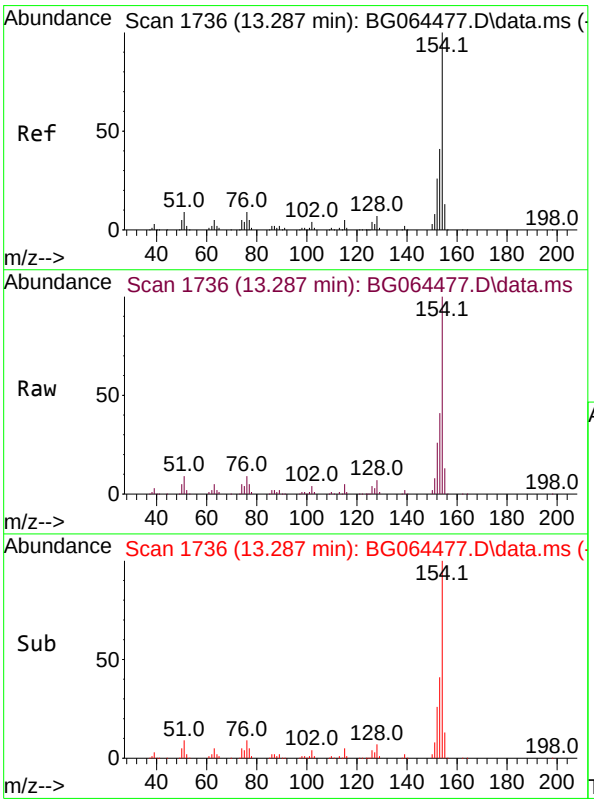
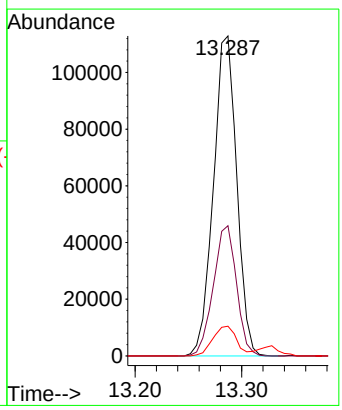
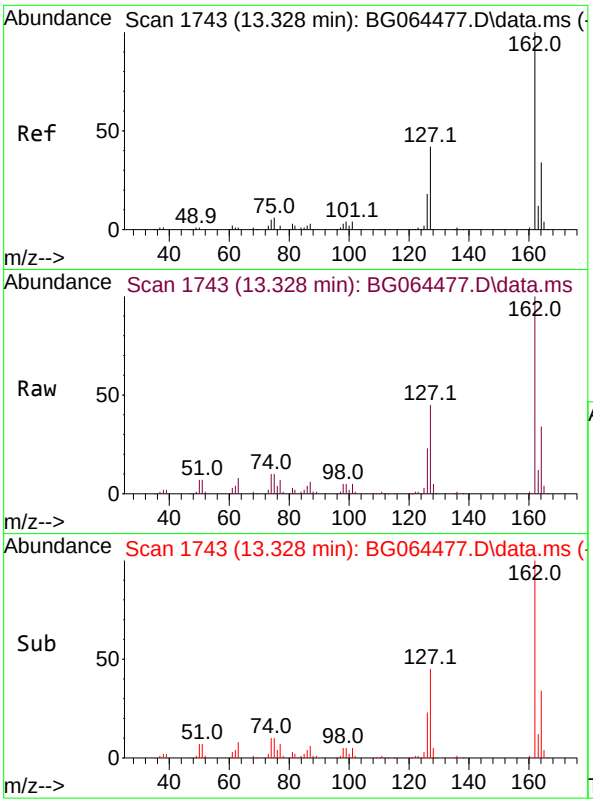


#46
1,1'-Biphenyl
Concen: 42.286 ng
RT: 13.287 min Scan# 1736
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

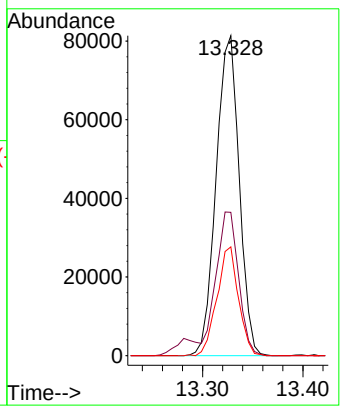




#47
2-Chloronaphthalene
Concen: 42.951 ng
RT: 13.328 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:162 Resp: 13009

Ion	Ratio	Lower	Upper
162	100		
127	44.8	35.8	53.8
164	34.0	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
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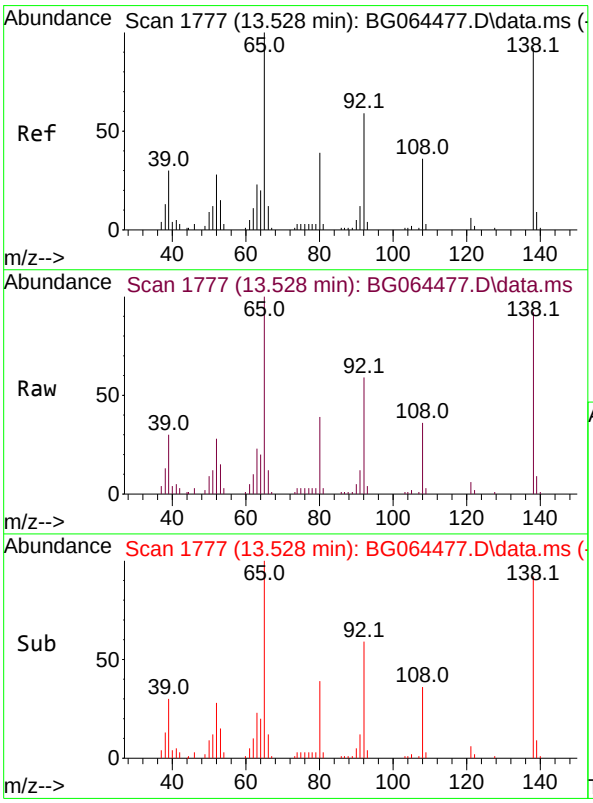
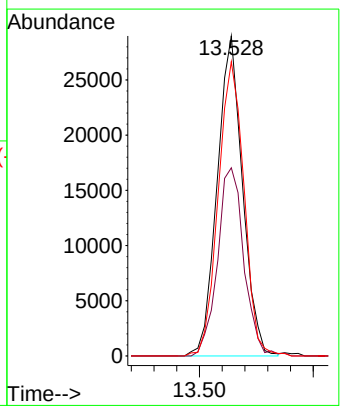
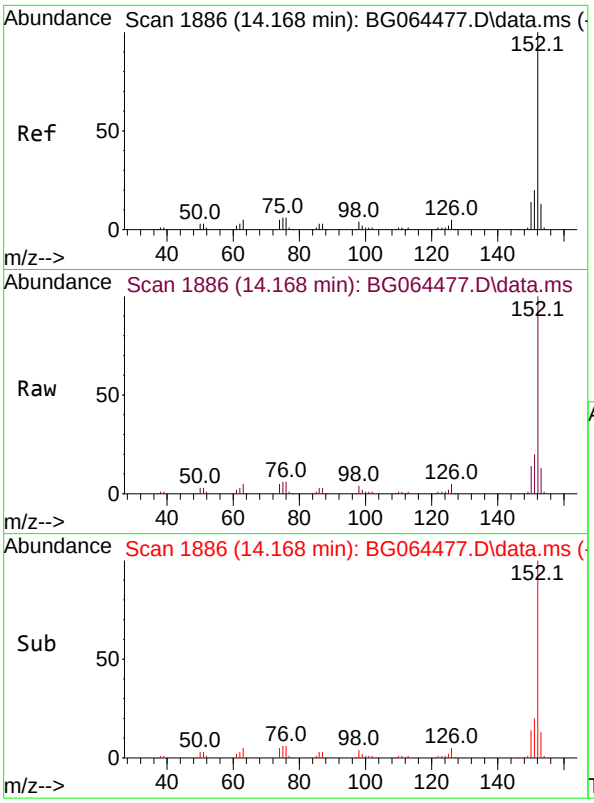


#48
2-Nitroaniline
Concen: 43.302 ng
RT: 13.528 min Scan# 1777
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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# 18
Delta R.T. -0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:152 Resp: 19219

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.6	15.8

Instrument :
BNA_G
ClientSampleId :
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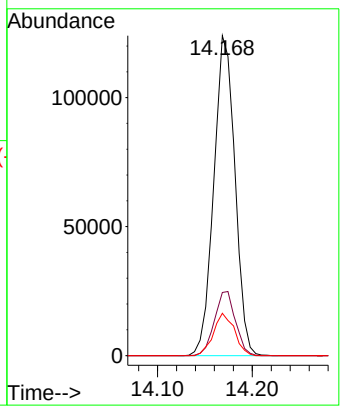
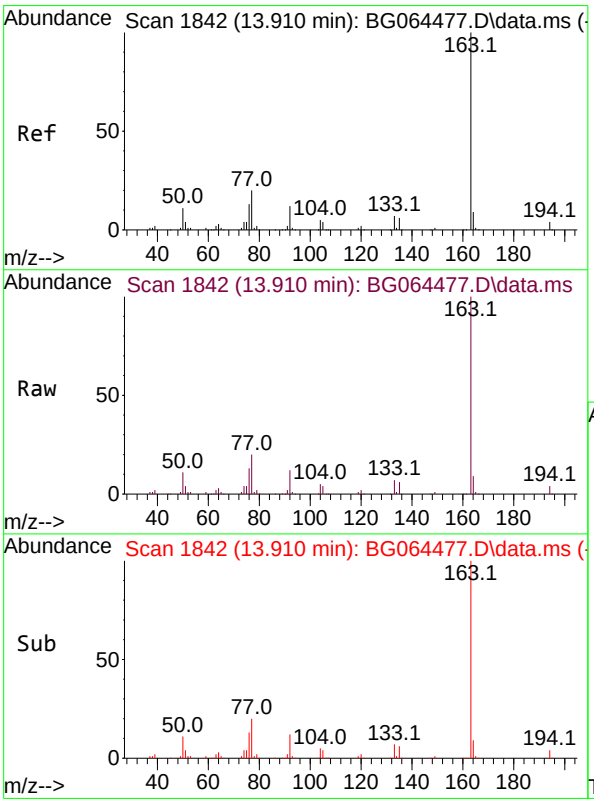
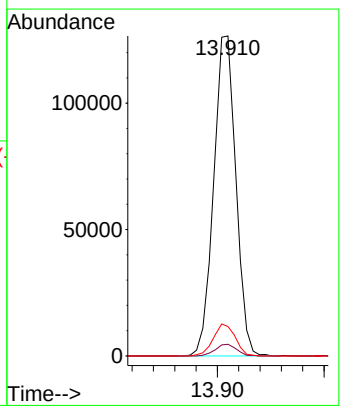


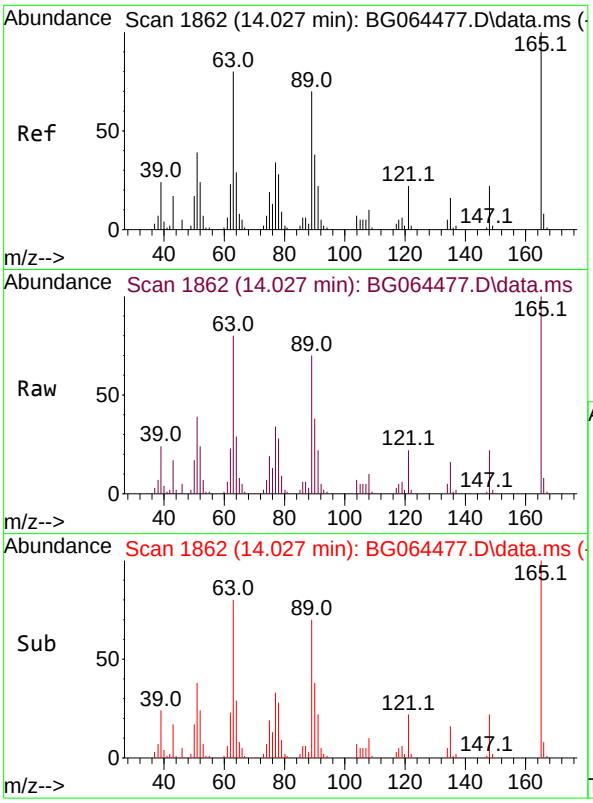


#50
Dimethylphthalate
Concen: 41.482 ng
RT: 13.910 min Scan# 1842
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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# 18
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:165 Resp: 3802

Ion	Ratio	Lower	Upper
165	100		
63	79.9	63.9	95.9
89	70.1	56.1	84.1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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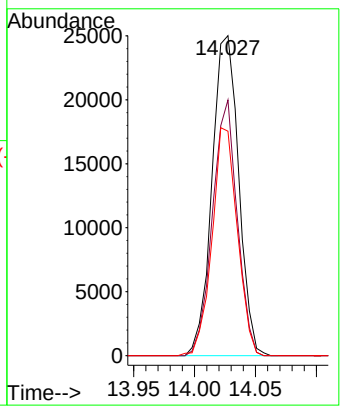
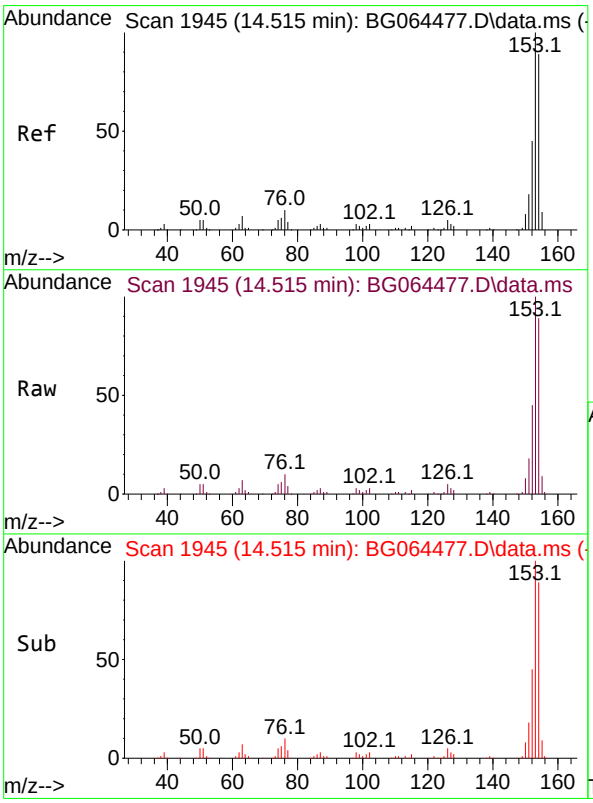
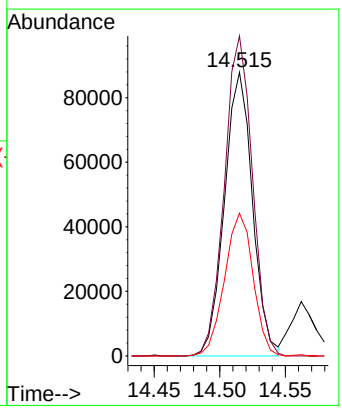


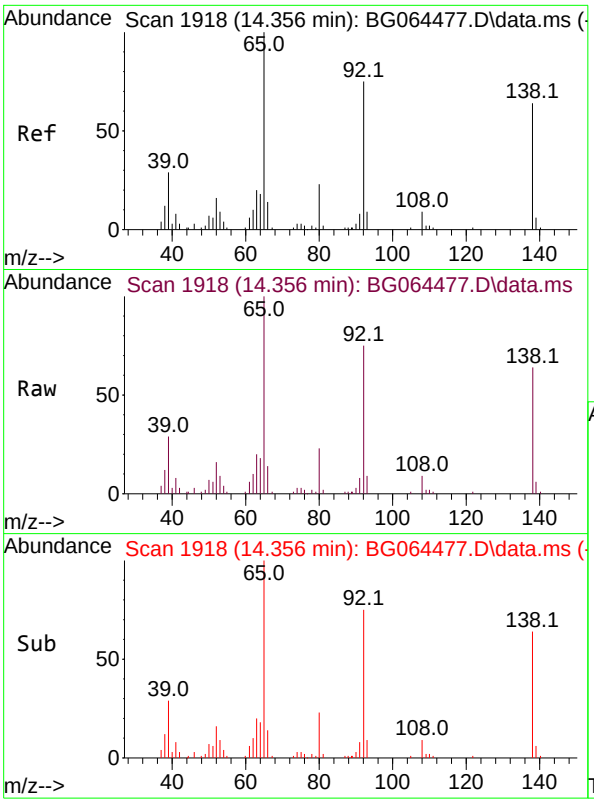


#52
Acenaphthene
Concen: 41.846 ng
RT: 14.515 min Scan# 1945
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

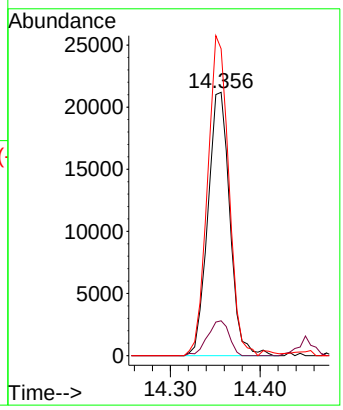




#53
3-Nitroaniline
Concen: 42.448 ng
RT: 14.356 min Scan# 19
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:138 Resp: 3602

Ion	Ratio	Lower	Upper
138	100		
108	13.2	10.6	15.8
92	116.5	93.2	139.8



Instrument :
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ClientSampleId :
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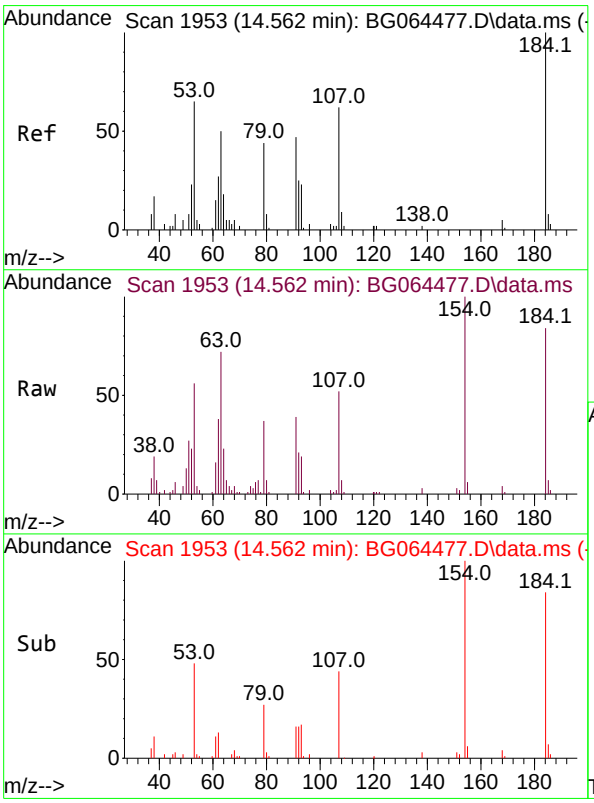
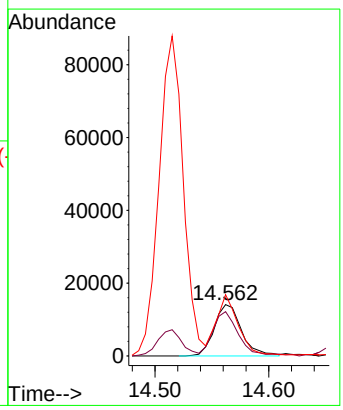
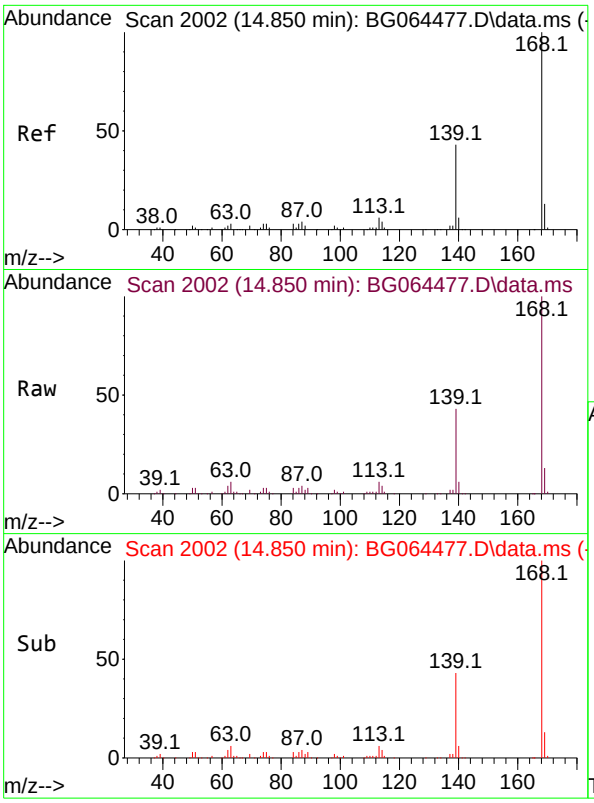


#54
2,4-Dinitrophenol
Concen: 35.006 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

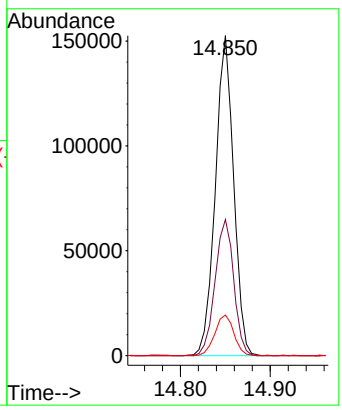




#55
Dibenzofuran
Concen: 41.749 ng
RT: 14.850 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:168 Resp: 21533

Ion	Ratio	Lower	Upper
168	100		
139	42.5	34.0	51.0
169	12.7	10.2	15.2



Instrument :
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ClientSampleId :
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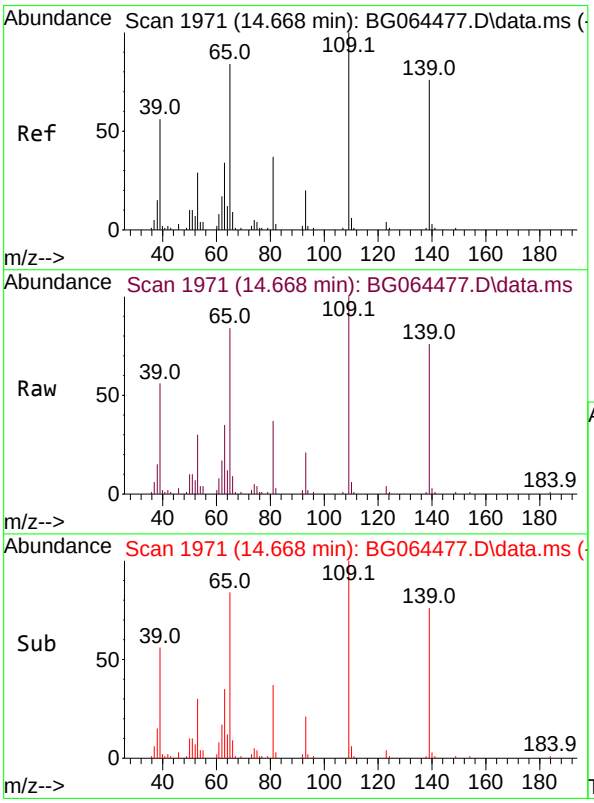
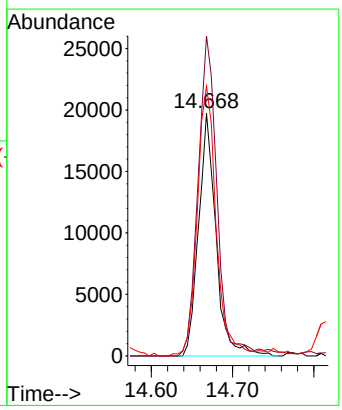
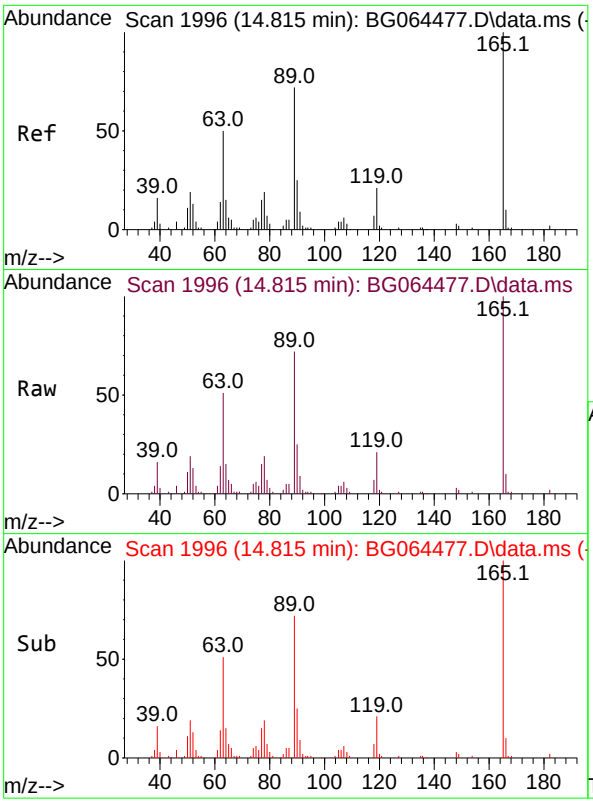


#56
4-Nitrophenol
Concen: 43.974 ng
RT: 14.668 min Scan# 1971
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

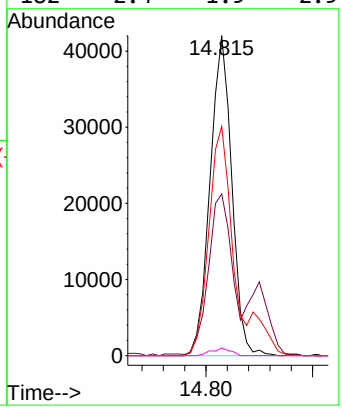




#57
2,4-Dinitrotoluene
Concen: 42.268 ng
RT: 14.815 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:165 Resp: 5946

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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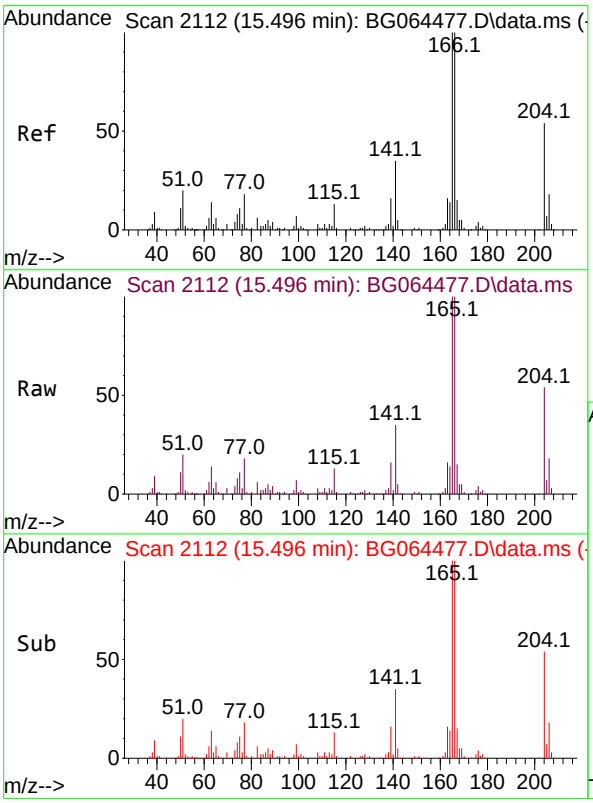
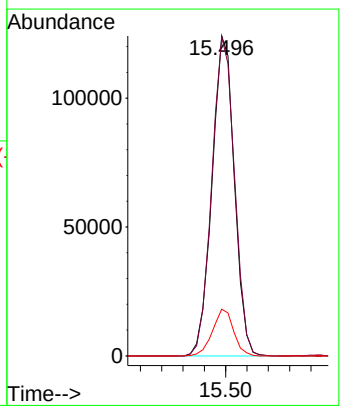
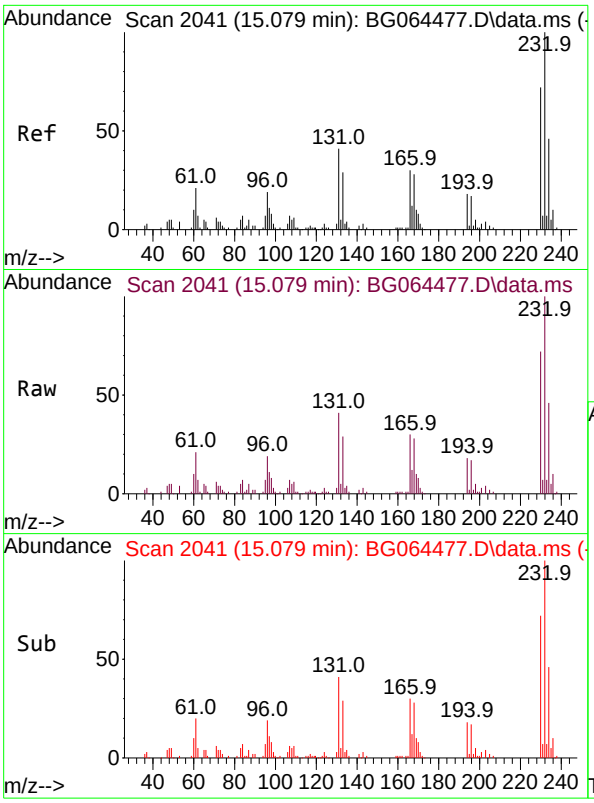


#58
Fluorene
Concen: 42.112 ng
RT: 15.496 min Scan# 2112
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

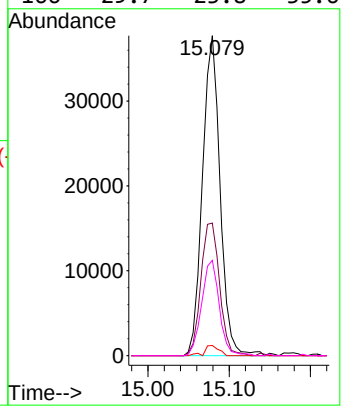




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.971 ng
RT: 15.079 min Scan# 20
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:232 Resp: 5700

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



Instrument :
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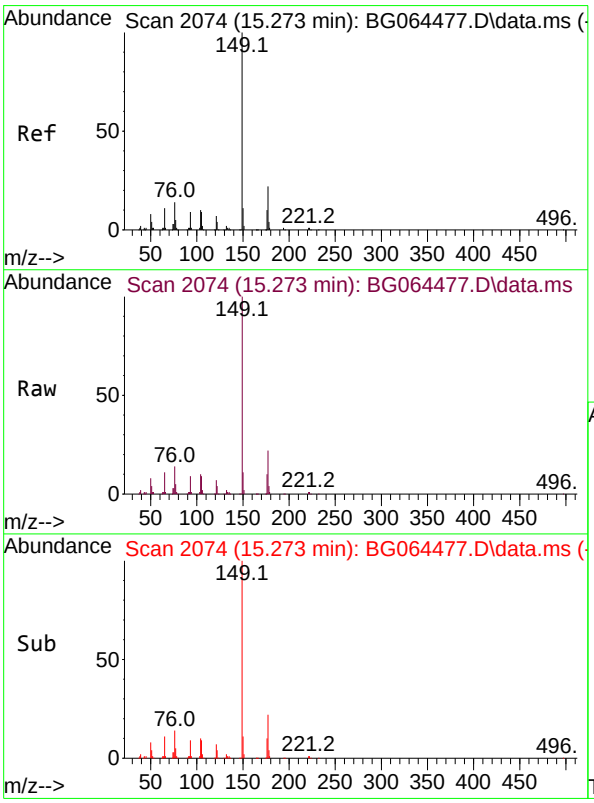
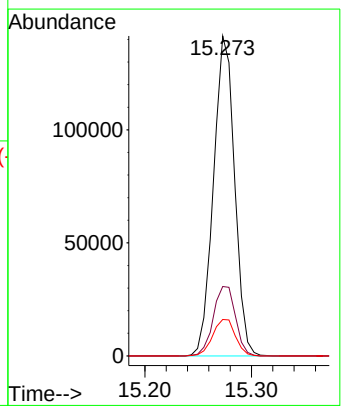
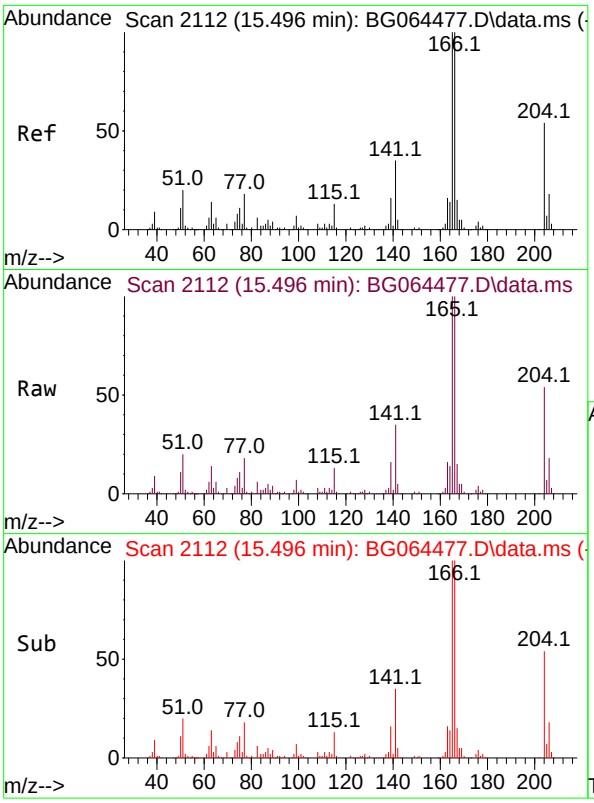


#60
Diethylphthalate
Concen: 41.179 ng
RT: 15.273 min Scan# 2074
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:149 Resp: 195149

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# 21
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:204 Resp: 9789

Ion	Ratio	Lower	Upper
204	100		
206	33.9	27.1	40.7
141	64.4	51.5	77.3

Instrument :
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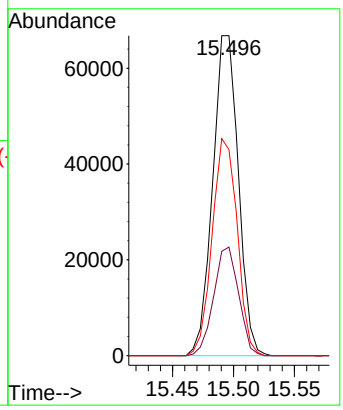
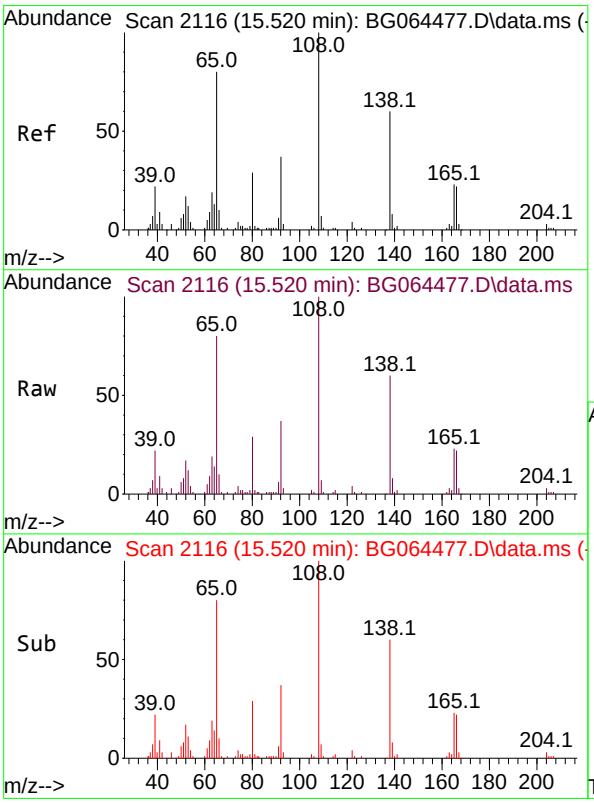
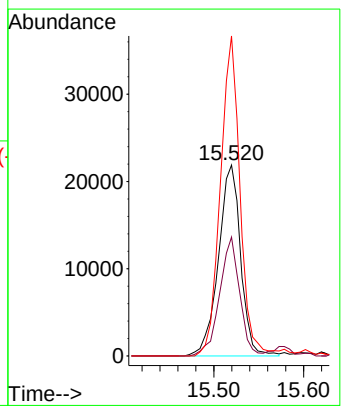


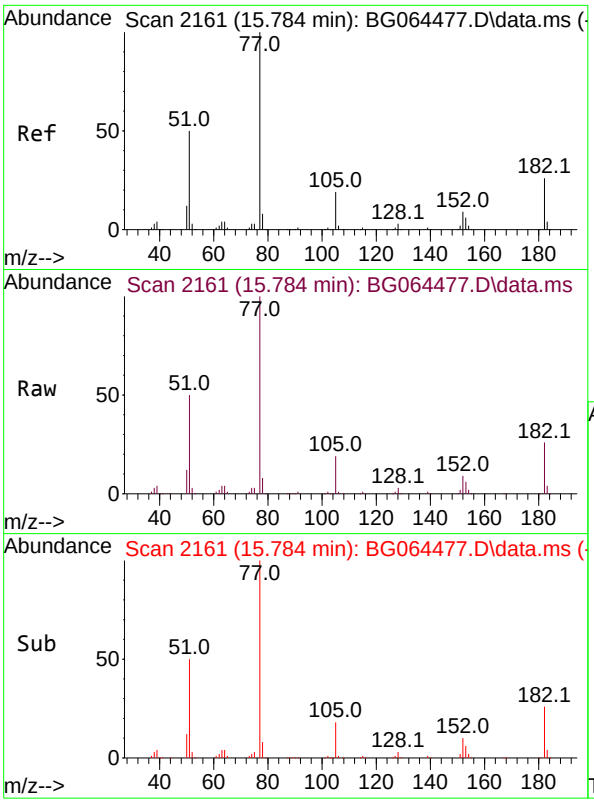


#62
4-Nitroaniline
Concen: 42.613 ng
RT: 15.520 min Scan# 2116
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

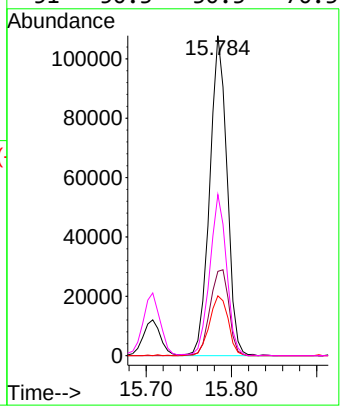




#63
Azobenzene
Concen: 41.381 ng
RT: 15.784 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion: 77 Resp: 15187

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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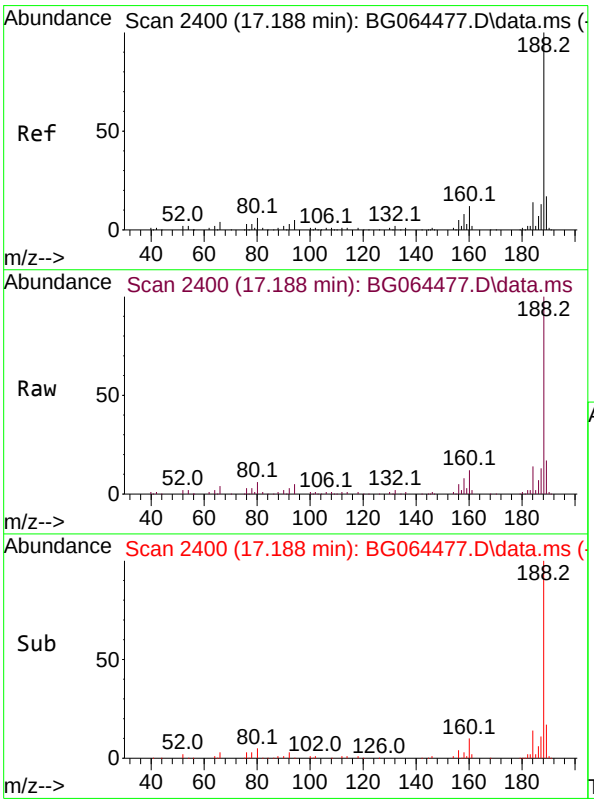
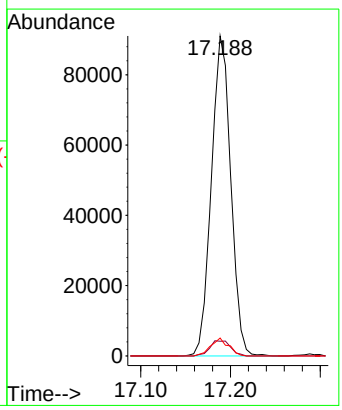
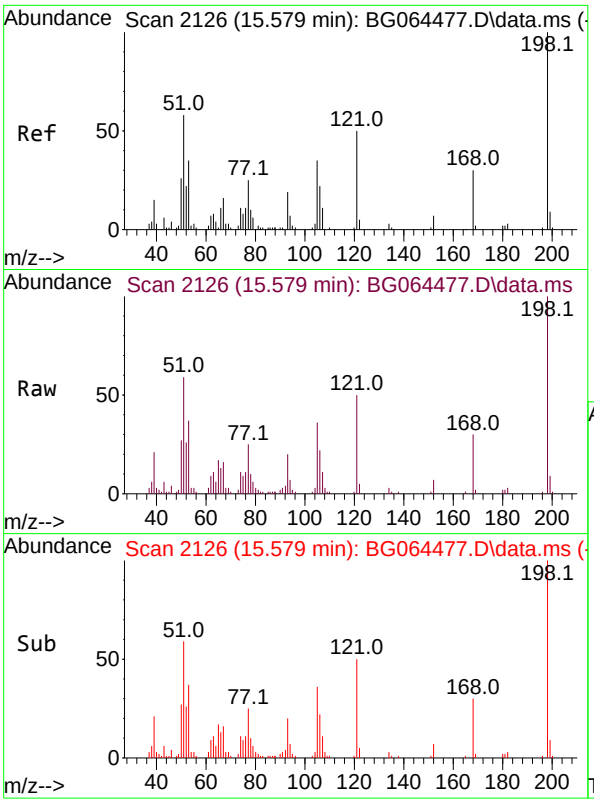


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 2400
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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# 21
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:198 Resp: 3973

Ion	Ratio	Lower	Upper
198	100		
51	59.0	39.0	79.0
105	35.8	15.8	55.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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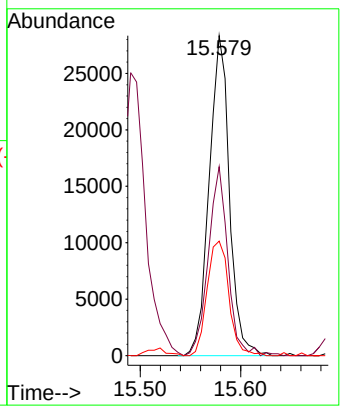
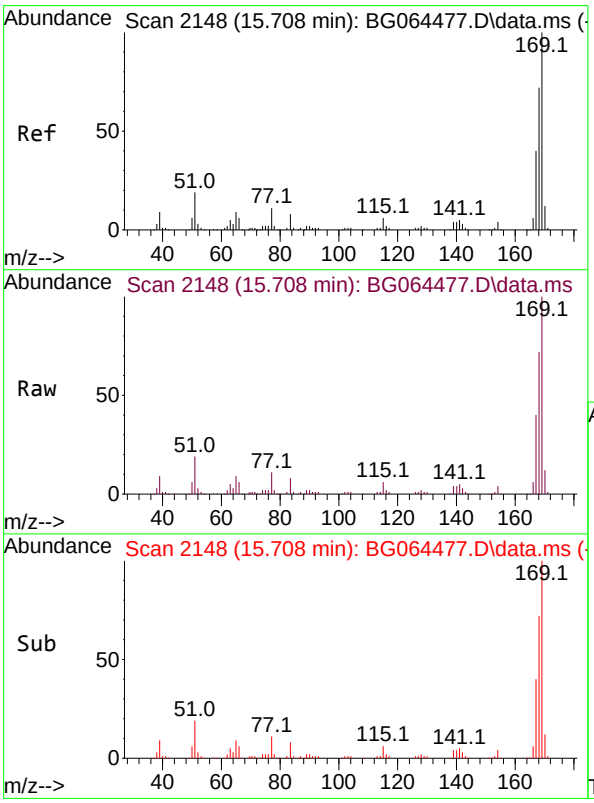
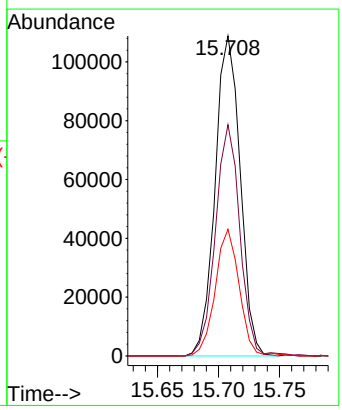


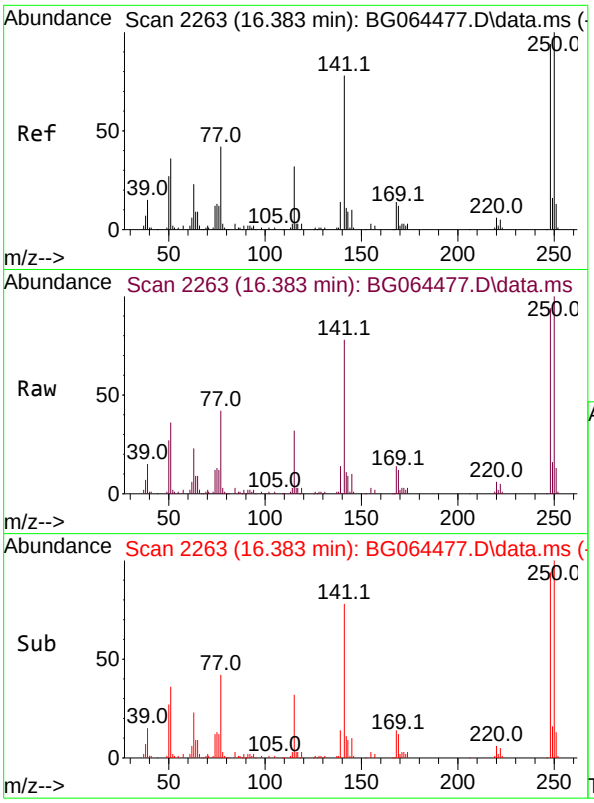


#66
n-Nitrosodiphenylamine
Concen: 42.580 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

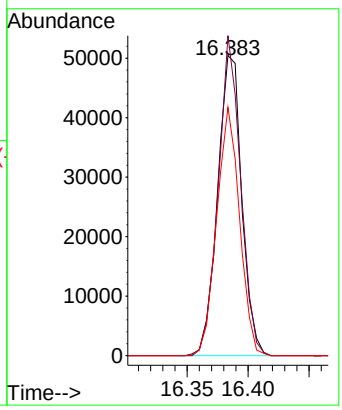




#67
4-Bromophenyl-phenylether
Concen: 43.066 ng
RT: 16.383 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:248 Resp: 6946

Ion	Ratio	Lower	Upper
248	100		
250	106.6	85.3	127.9
141	82.7	66.2	99.2



Instrument :
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ClientSampleId :
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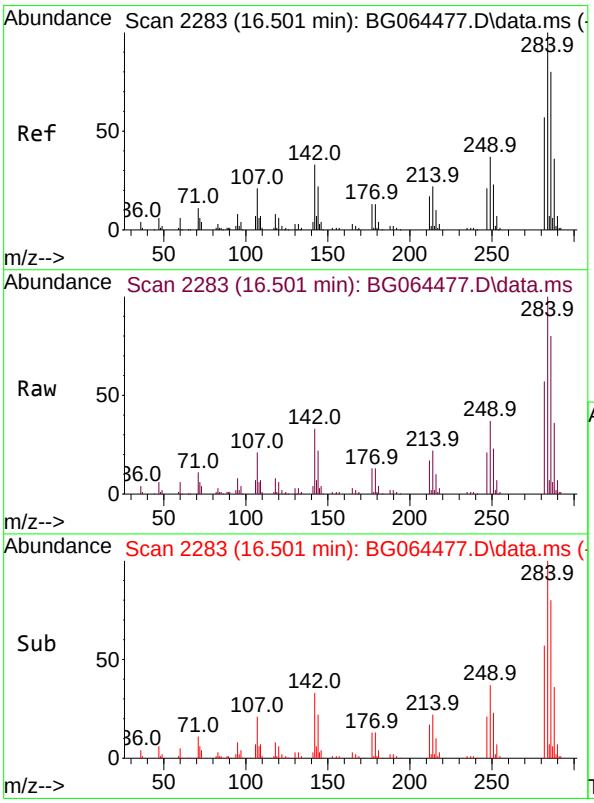
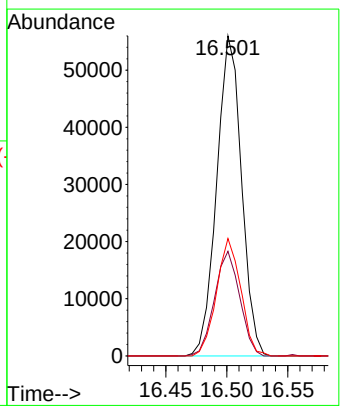
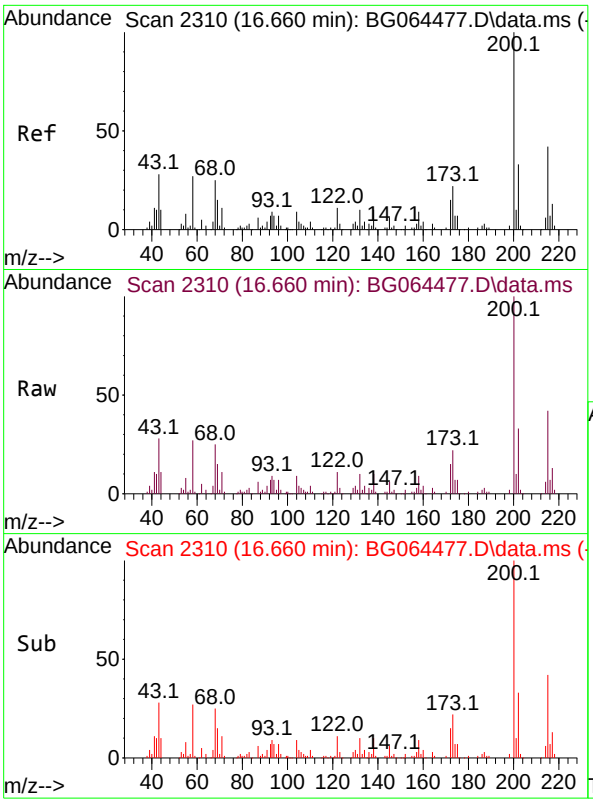


#68
Hexachlorobenzene
Concen: 42.809 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

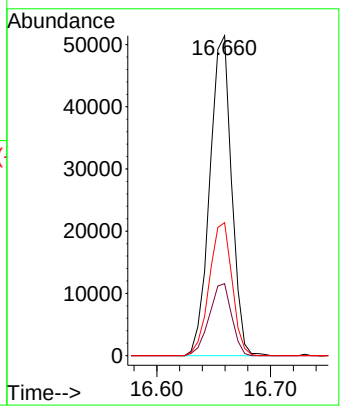




#69
Atrazine
Concen: 42.039 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:200 Resp: 6845

Ion	Ratio	Lower	Upper
200	100		
173	22.5	2.5	42.5
215	41.5	21.5	61.5



Instrument :
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ClientSampleId :
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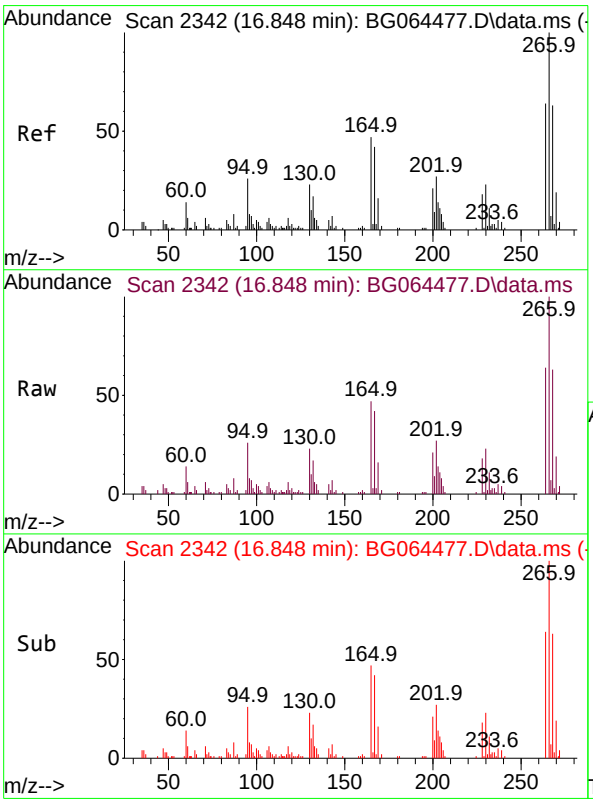
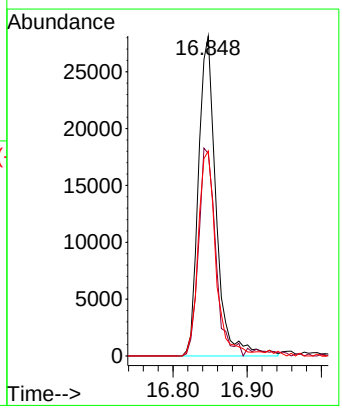
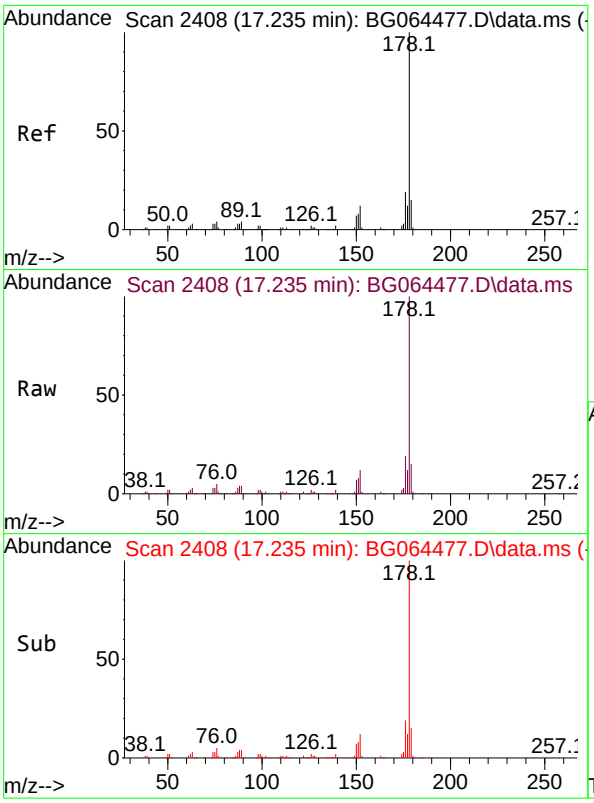


#70
Pentachlorophenol
Concen: 43.049 ng
RT: 16.848 min Scan# 2342
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

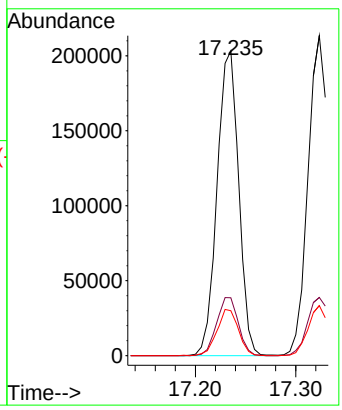




#71
Phenanthrene
Concen: 42.473 ng
RT: 17.235 min Scan# 24
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:178 Resp: 30444

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	14.7	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
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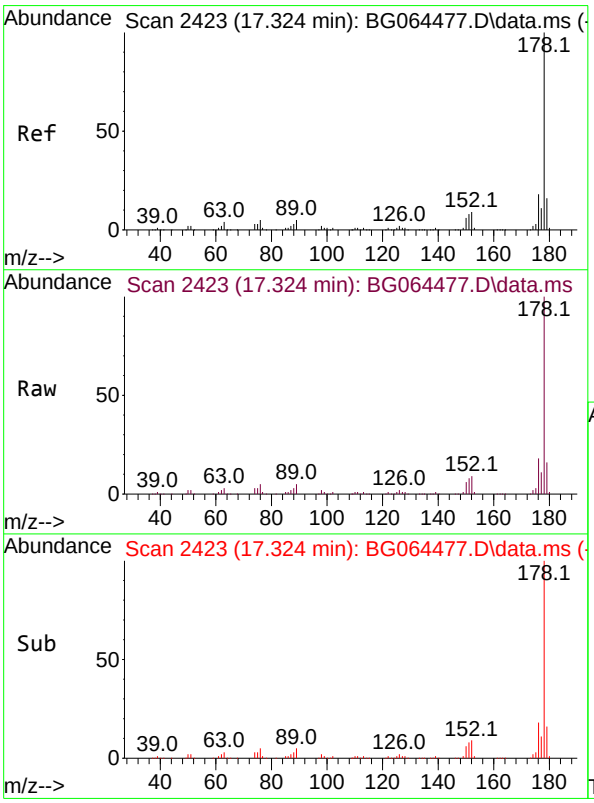
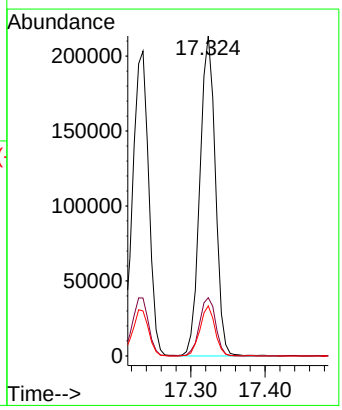
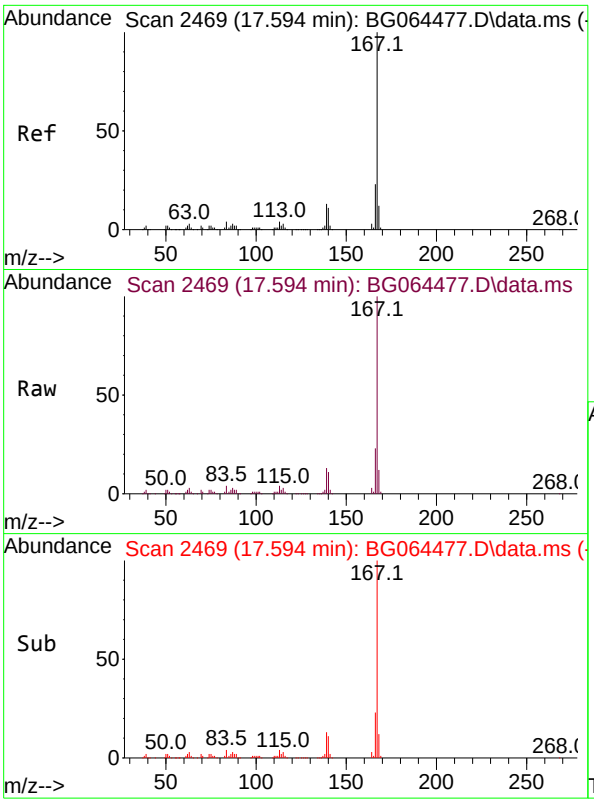


#72
Anthracene
Concen: 43.082 ng
RT: 17.324 min Scan# 2423
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

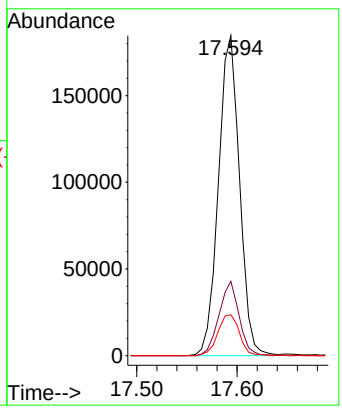




#73
Carbazole
Concen: 43.520 ng
RT: 17.594 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:167 Resp: 27050

Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.6	27.8
139	12.8	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
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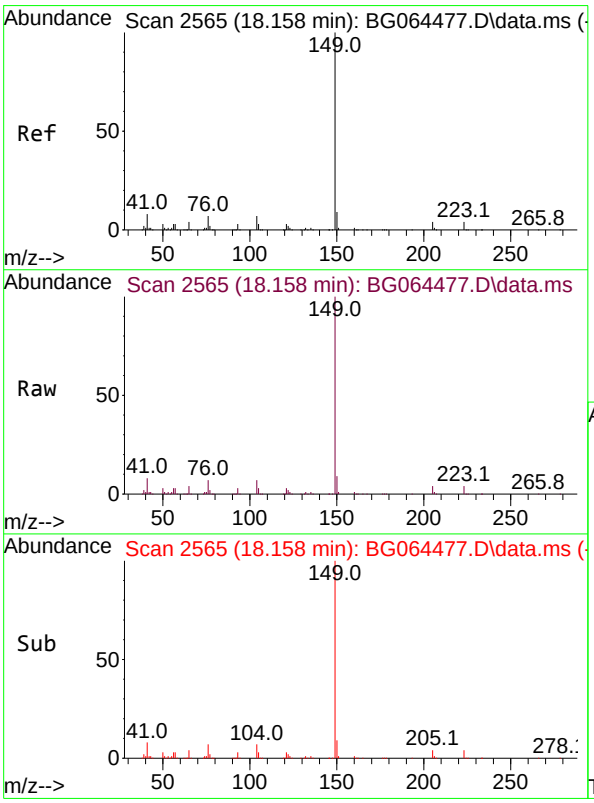
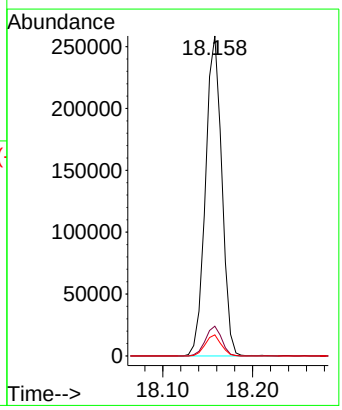
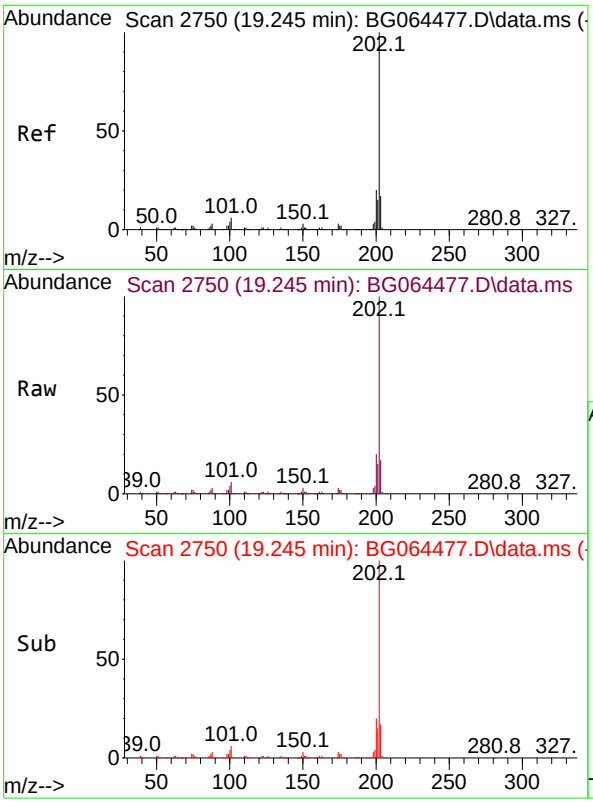


#74
Di-n-butylphthalate
Concen: 42.948 ng
RT: 18.158 min Scan# 2565
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

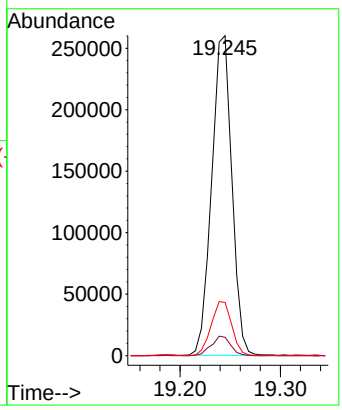




#75
Fluoranthene
Concen: 42.577 ng
RT: 19.245 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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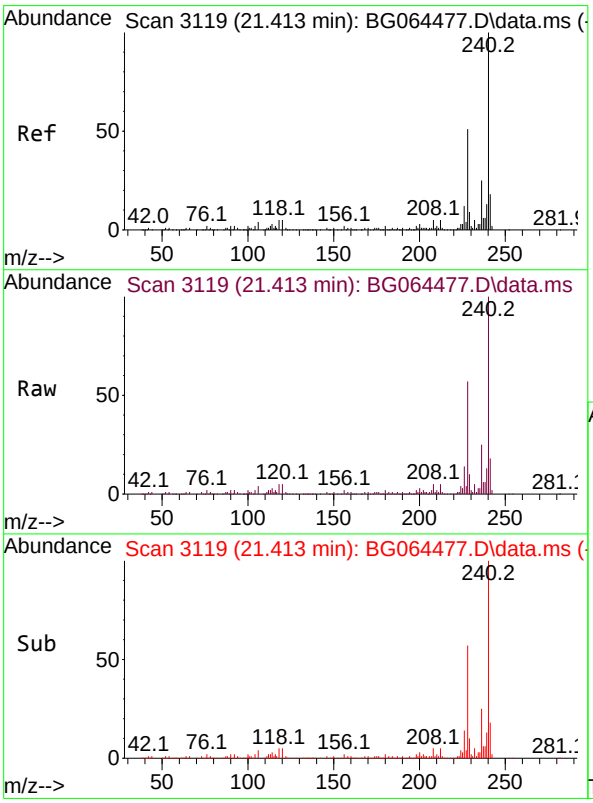
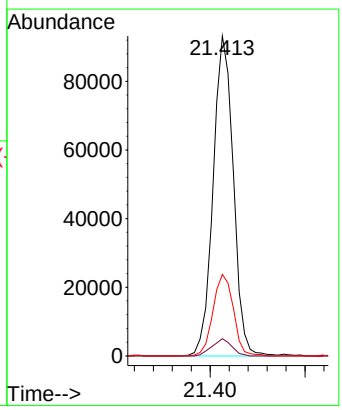
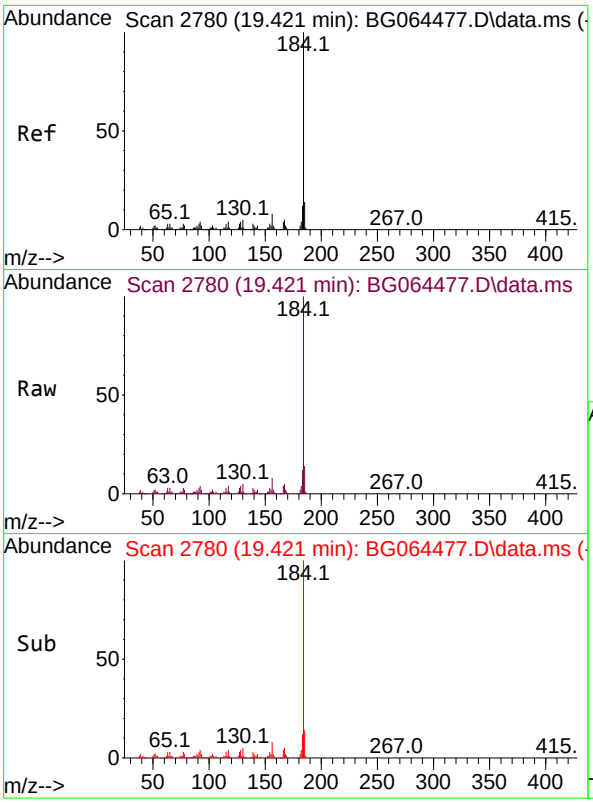


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

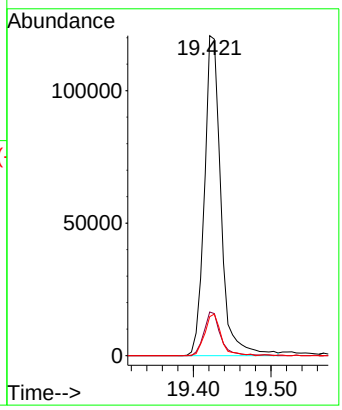




#77
Benzidine
Concen: 52.157 ng
RT: 19.421 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:184 Resp: 17885

Ion	Ratio	Lower	Upper
184	100		
185	13.6	10.9	16.3
183	12.2	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
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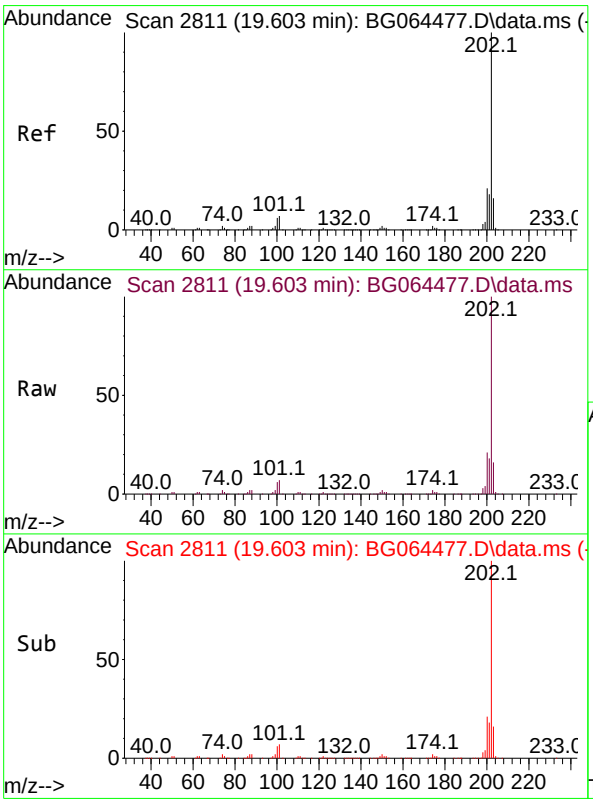
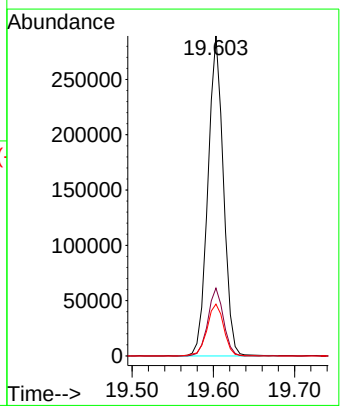
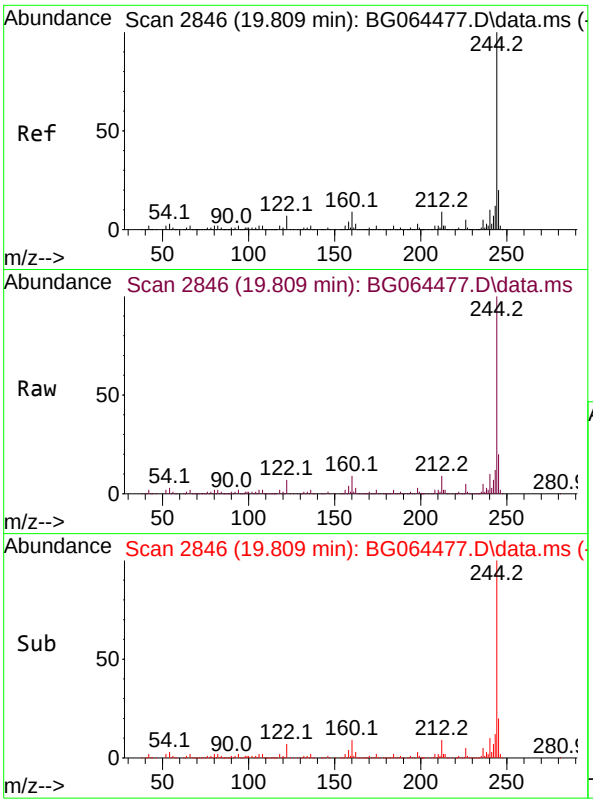


#78
Pyrene
Concen: 42.890 ng
RT: 19.603 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

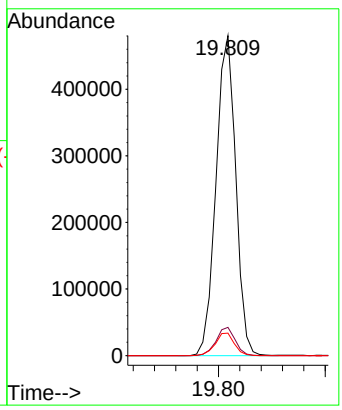




#79
Terphenyl-d14
Concen: 85.021 ng
RT: 19.809 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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



Instrument :
BNA_G
ClientSampleId :
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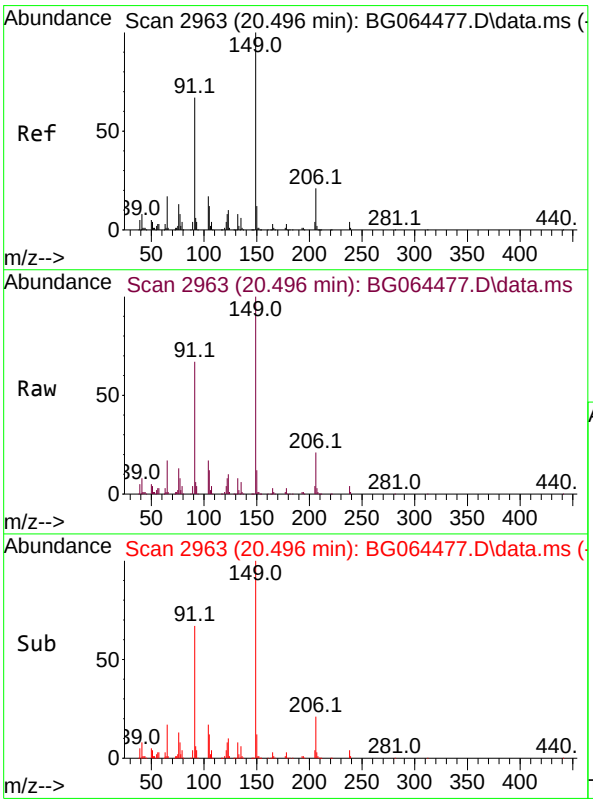
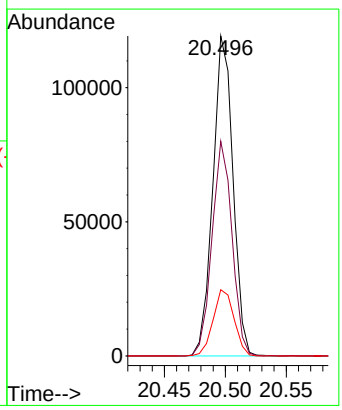
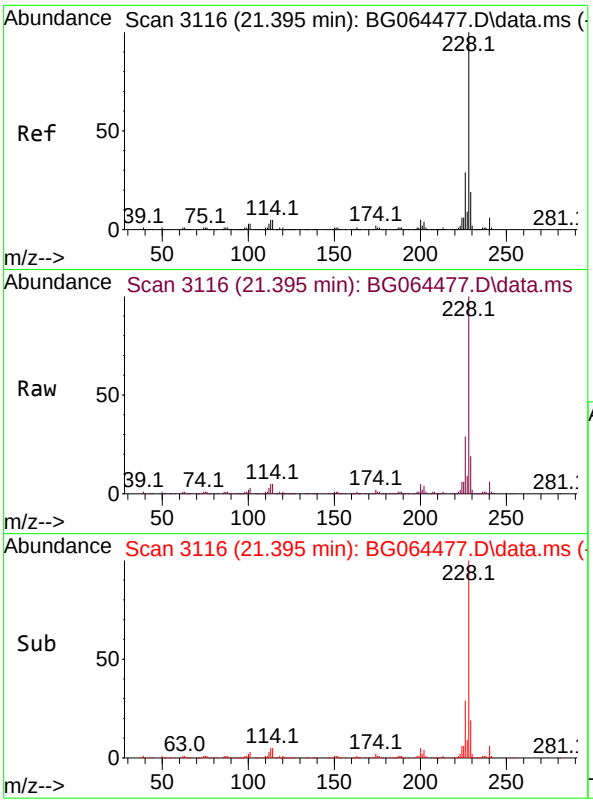


#80
Butylbenzylphthalate
Concen: 43.202 ng
RT: 20.496 min Scan# 2963
Delta R.T. -0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

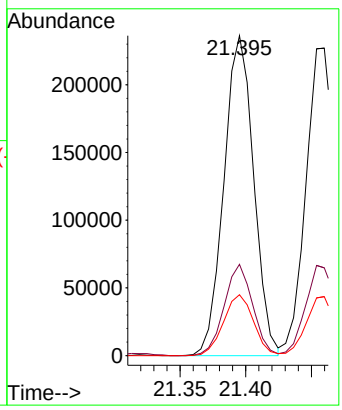




#81
Benzo(a)anthracene
Concen: 42.392 ng
RT: 21.395 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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



Instrument :
BNA_G
ClientSampleId :
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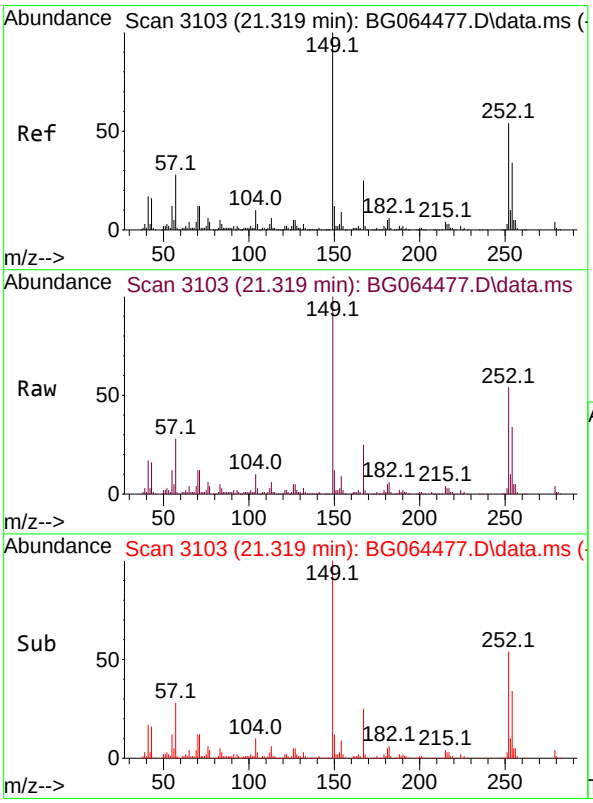
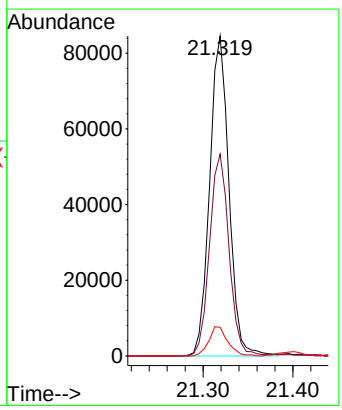
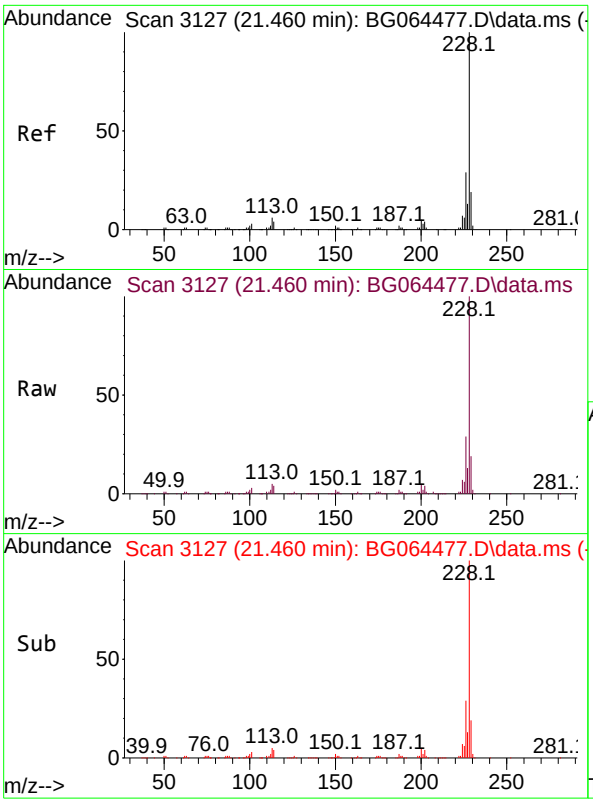


#82
3,3'-Dichlorobenzidine
Concen: 42.345 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

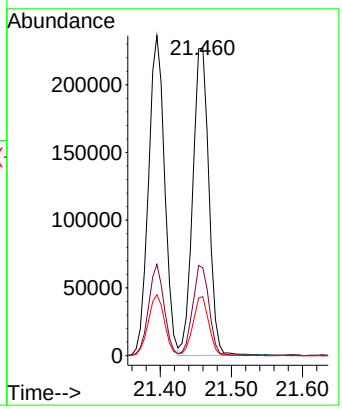




#83
Chrysene
Concen: 42.849 ng
RT: 21.460 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:228 Resp: 35755

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.8	34.2
229	19.2	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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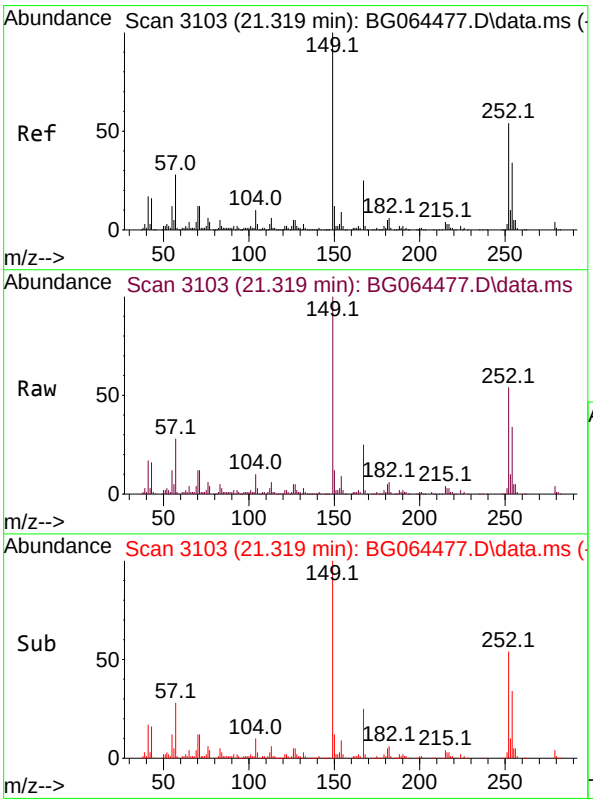
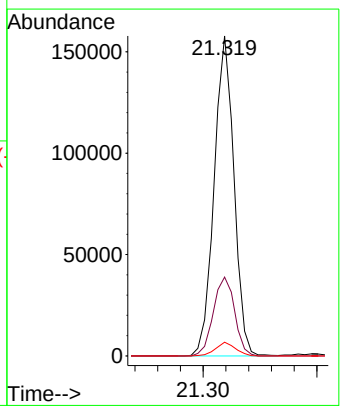
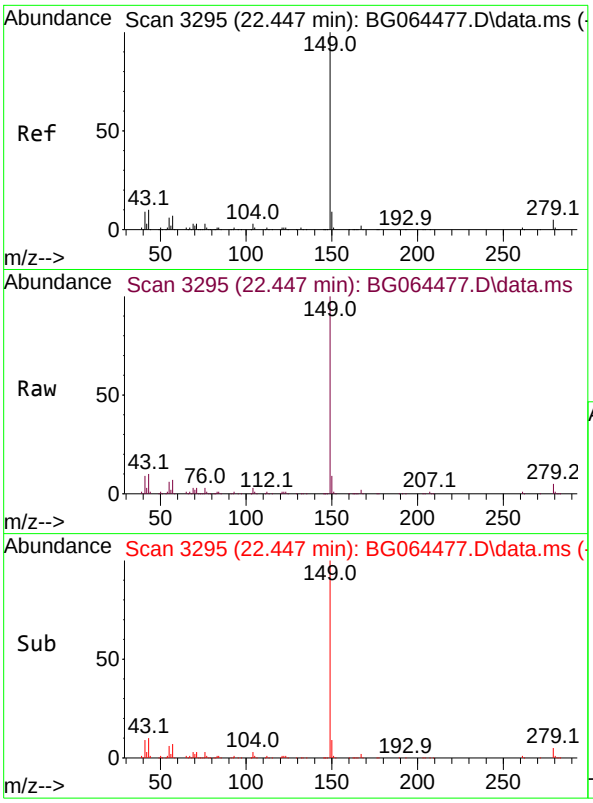


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.664 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

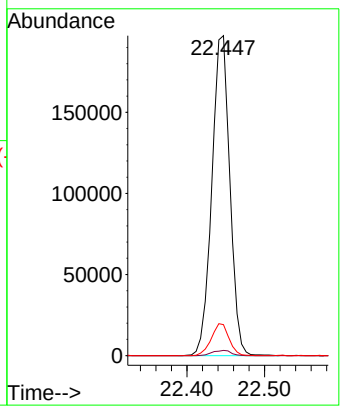




#85
Di-n-octyl phthalate
Concen: 42.277 ng
RT: 22.447 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:149 Resp: 31783

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	9.9	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
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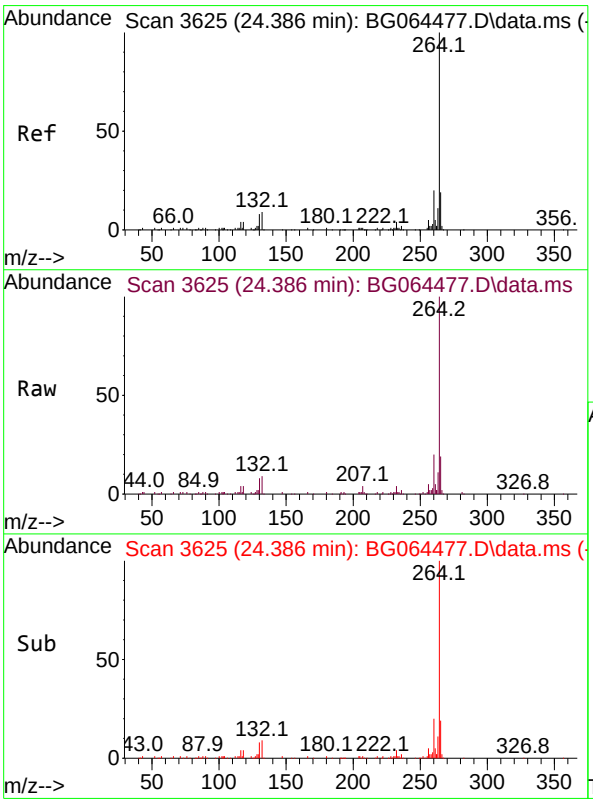
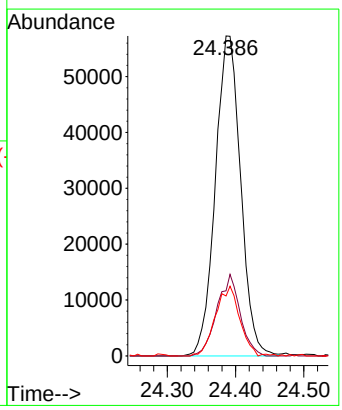
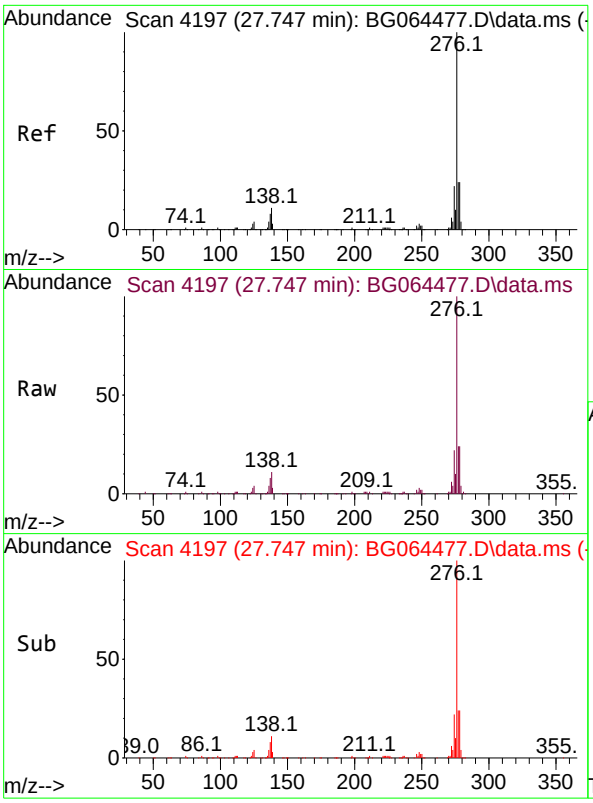


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.386 min Scan# 3625
Delta R.T. -0.003 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

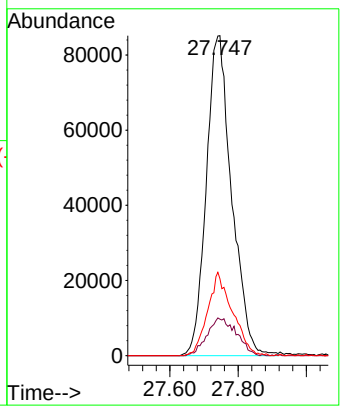




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.906 ng
RT: 27.747 min Scan# 41
Delta R.T. 0.014 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:276 Resp: 43944

Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	25.4	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
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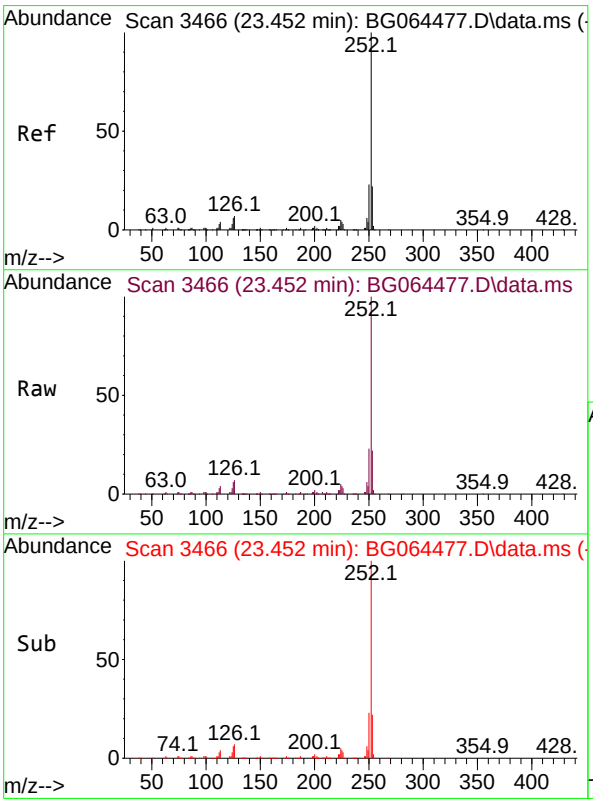
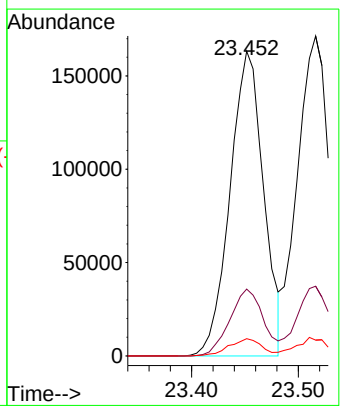
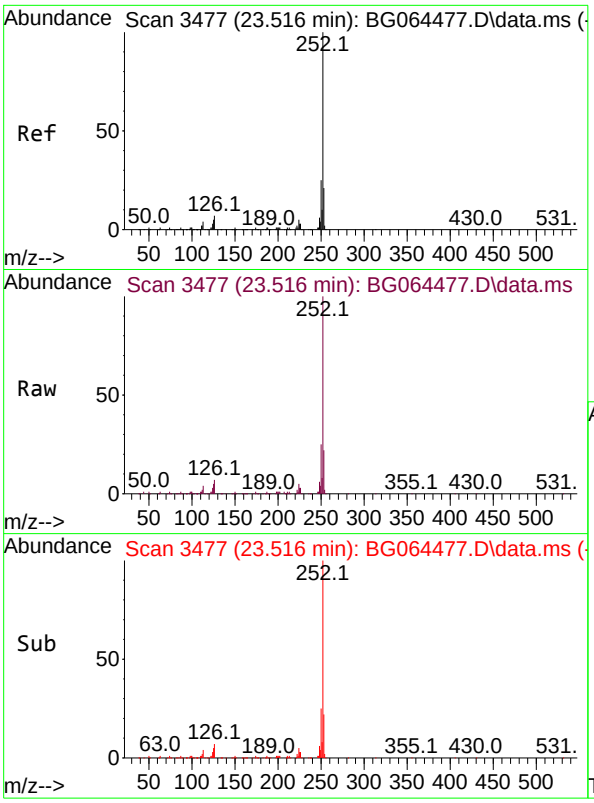


#88
Benzo(b)fluoranthene
Concen: 42.621 ng
RT: 23.452 min Scan# 3466
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

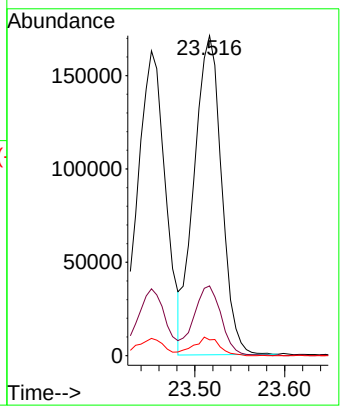




#89
Benzo(k)fluoranthene
Concen: 43.050 ng
RT: 23.516 min Scan# 34
Delta R.T. 0.008 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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



Instrument :
BNA_G
ClientSampleId :
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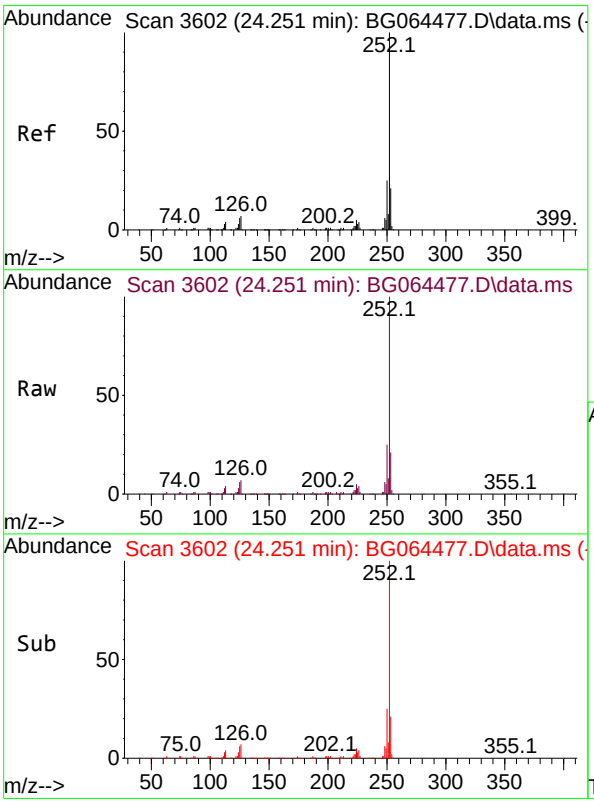
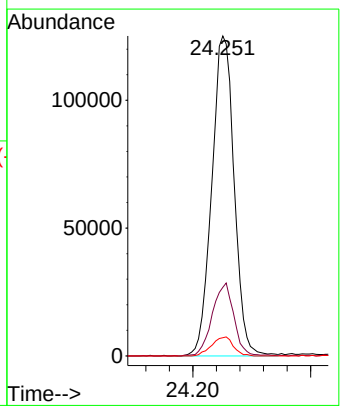
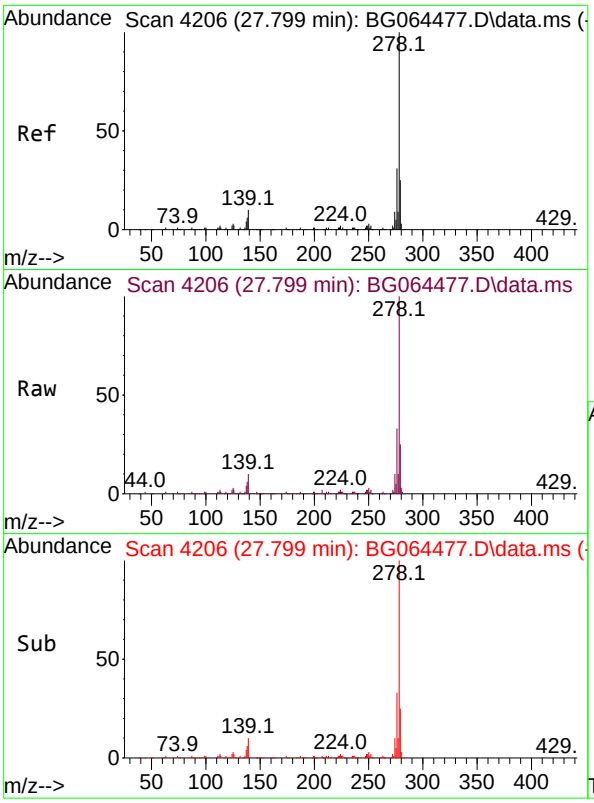


#90
Benzo(a)pyrene
Concen: 42.800 ng
RT: 24.251 min Scan# 3602
Delta R.T. 0.002 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

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

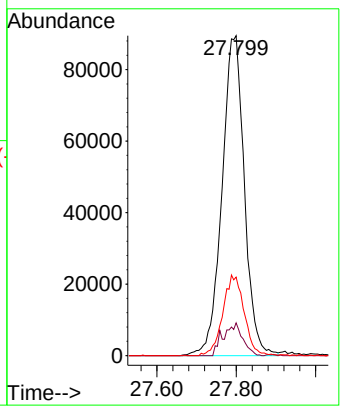




#91
Dibenzo(a,h)anthracene
Concen: 42.755 ng
RT: 27.799 min Scan# 4
Delta R.T. 0.020 min
Lab File: BG064477.D
Acq: 2 Oct 2025 12:14

Tgt Ion:278 Resp: 35019

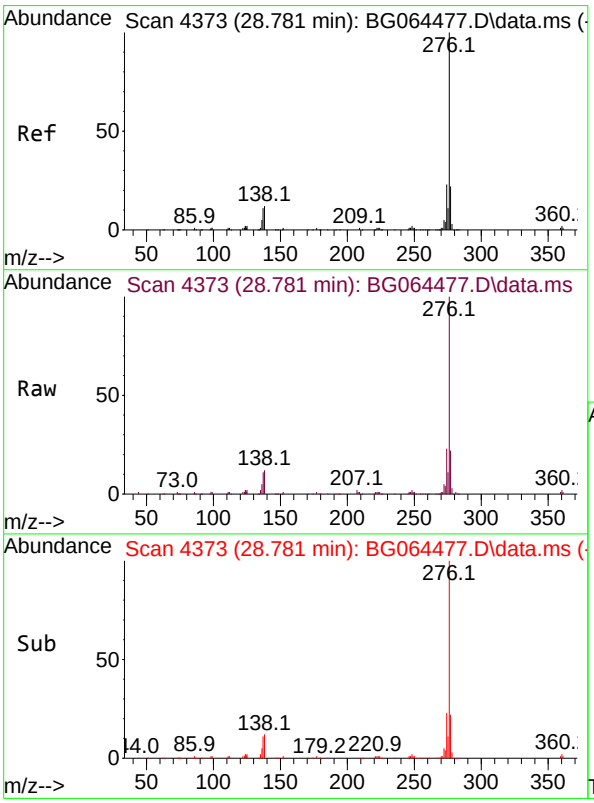
Ion	Ratio	Lower	Upper
278	100		
139	10.2	8.2	12.2
279	24.5	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

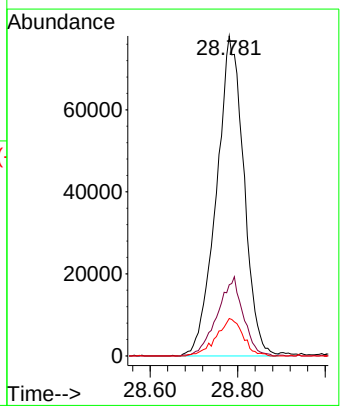
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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

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

ICAL Form

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

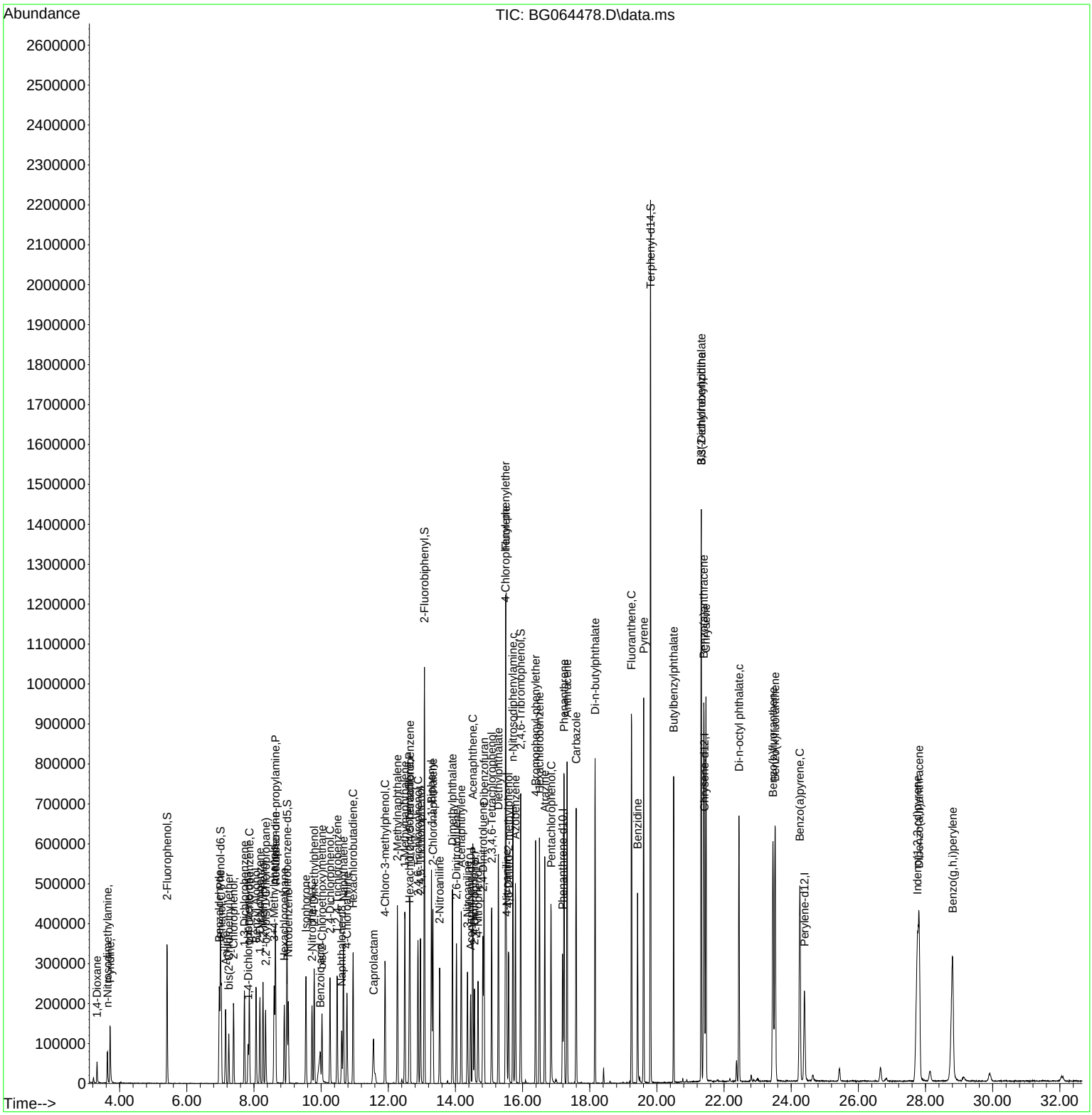
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064478.D
Acq On : 2 Oct 2025 12:55
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

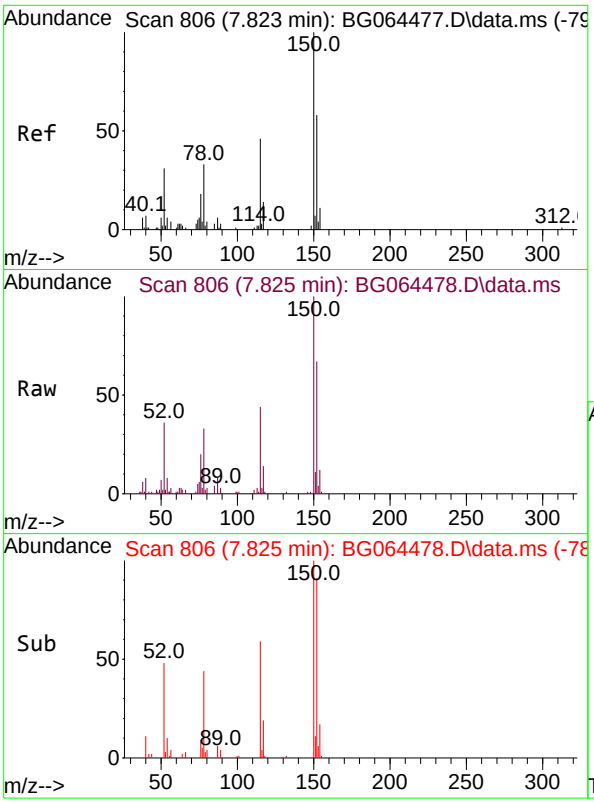
Quant Time: Oct 02 16:53:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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

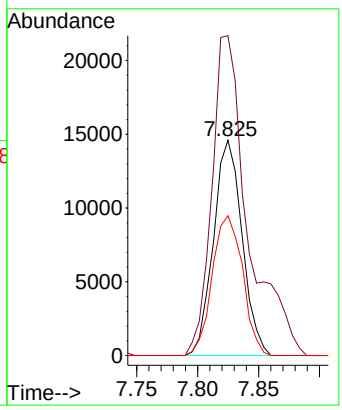




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.825 min Scan# 80
Delta R.T. 0.005 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:152 Resp: 2386

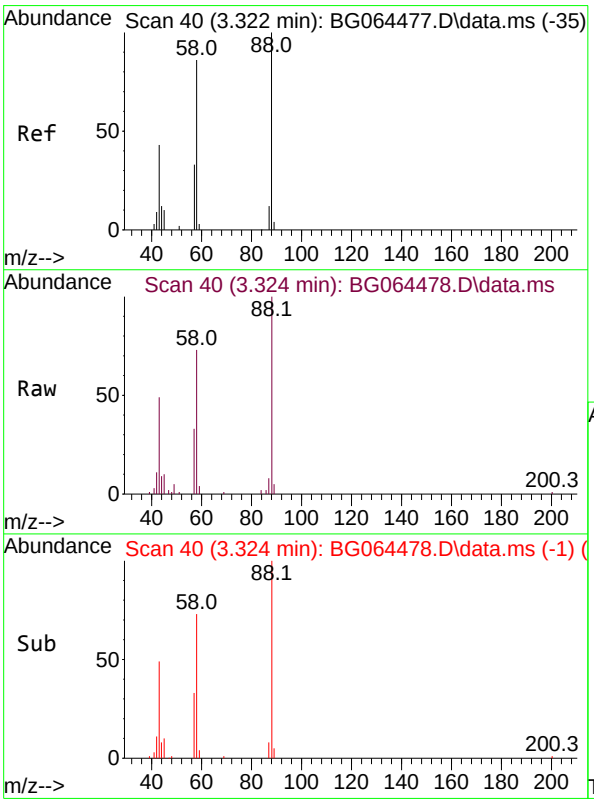
Ion	Ratio	Lower	Upper
152	100		
150	148.6	138.6	207.8
115	65.0	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

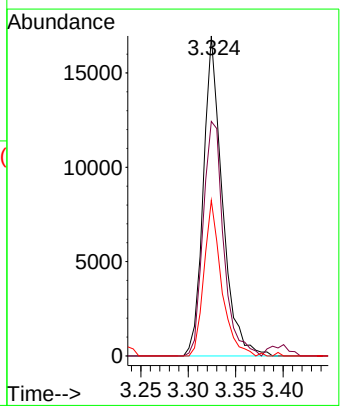
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

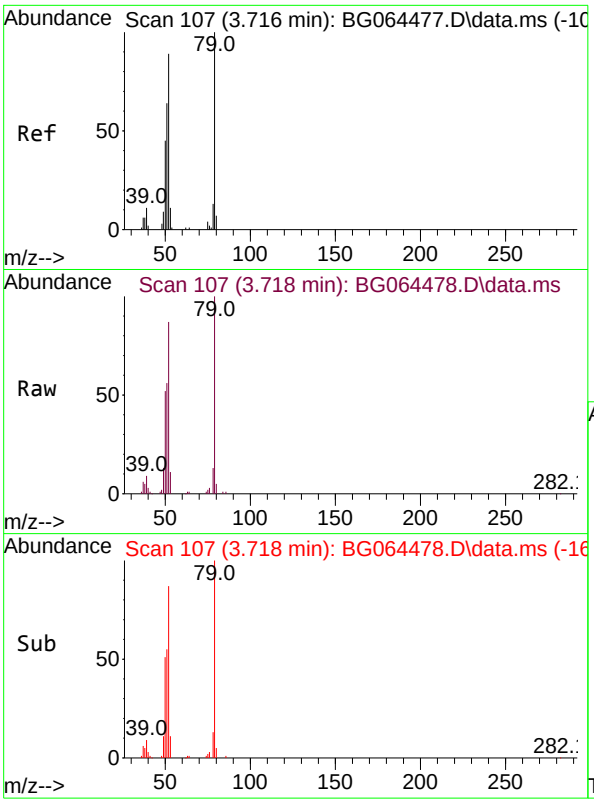


#2
1,4-Dioxane
Concen: 46.551 ng
RT: 3.324 min Scan# 40
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

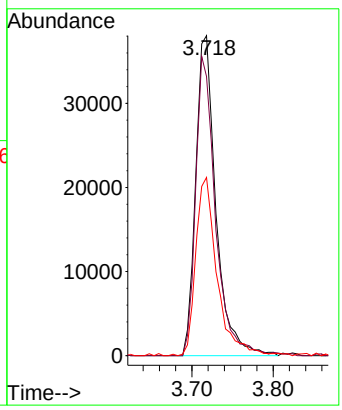




#3
Pyridine
Concen: 47.947 ng
RT: 3.718 min Scan# 10
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 79 Resp: 6573

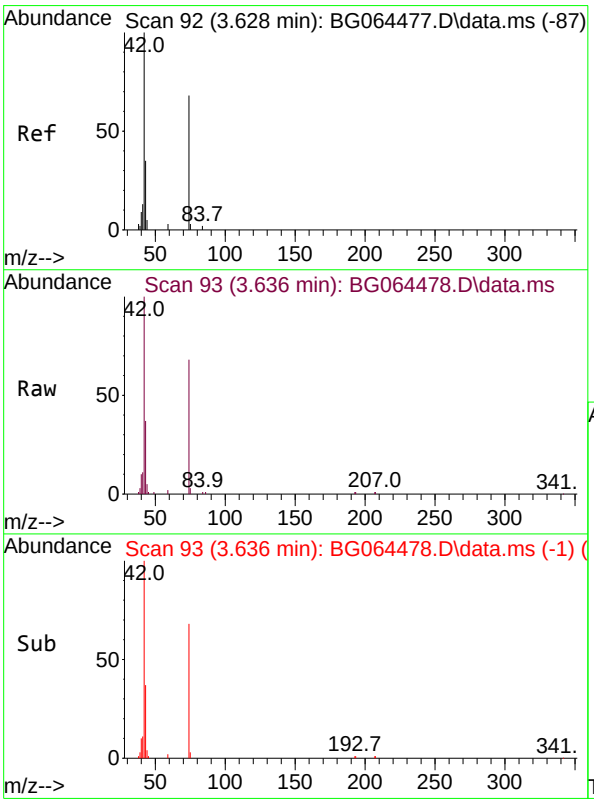
Ion	Ratio	Lower	Upper
79	100		
52	87.2	71.0	106.4
51	55.7	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

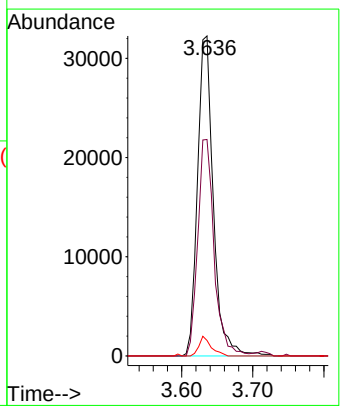
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

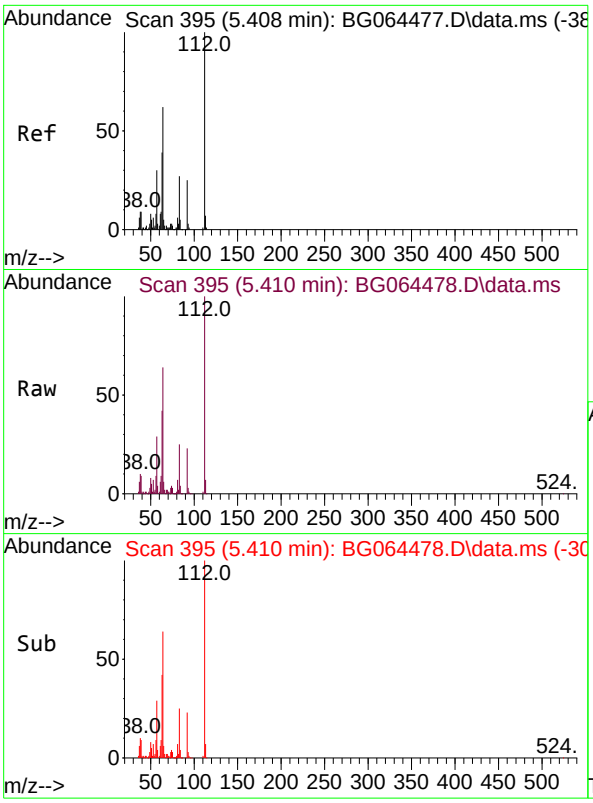


#4
n-Nitrosodimethylamine
Concen: 49.999 ng
RT: 3.636 min Scan# 93
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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# 39
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

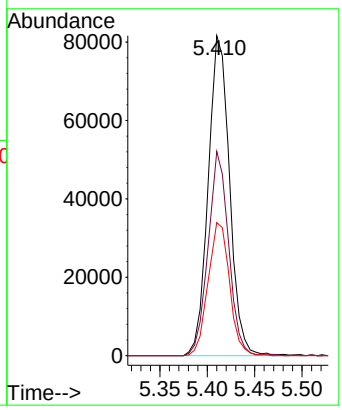
Tgt Ion:112 Resp: 12785

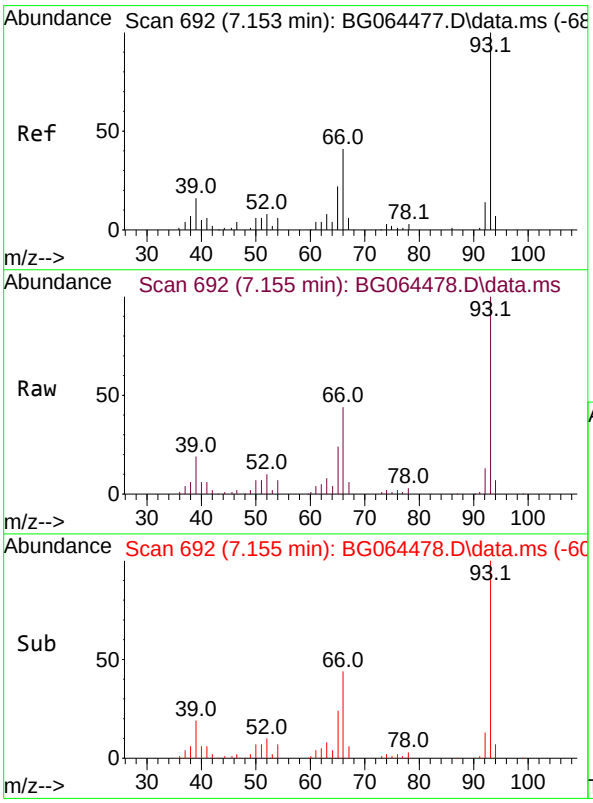
Ion	Ratio	Lower	Upper
112	100		
64	63.8	49.8	74.8
63	41.6	31.3	46.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

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

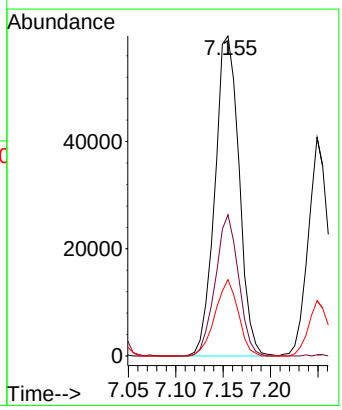


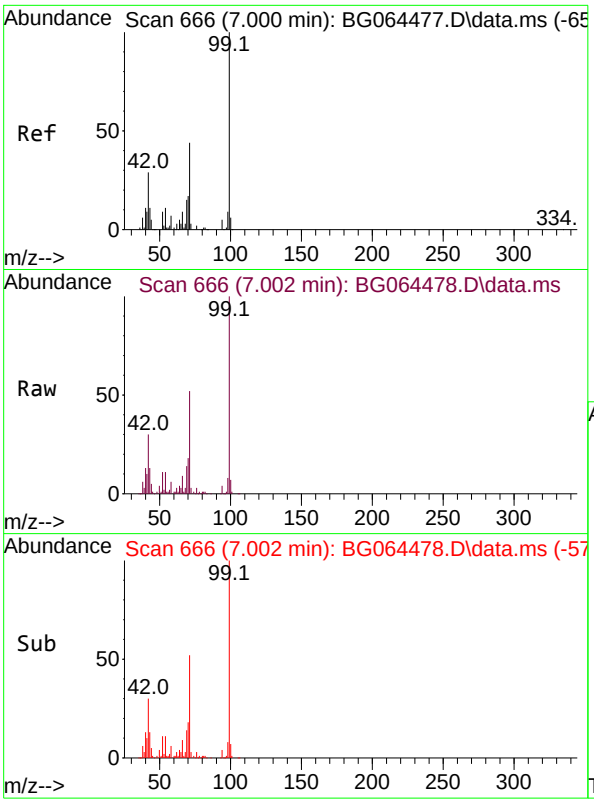


#6
Aniline
Concen: 48.370 ng
RT: 7.155 min Scan# 692
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

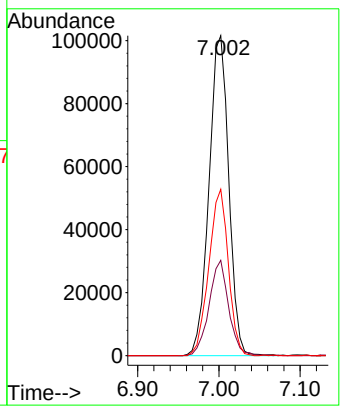




#7
Phenol-d6
Concen: 98.712 ng
RT: 7.002 min Scan# 6
Delta R.T. 0.016 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 99 Resp: 17108

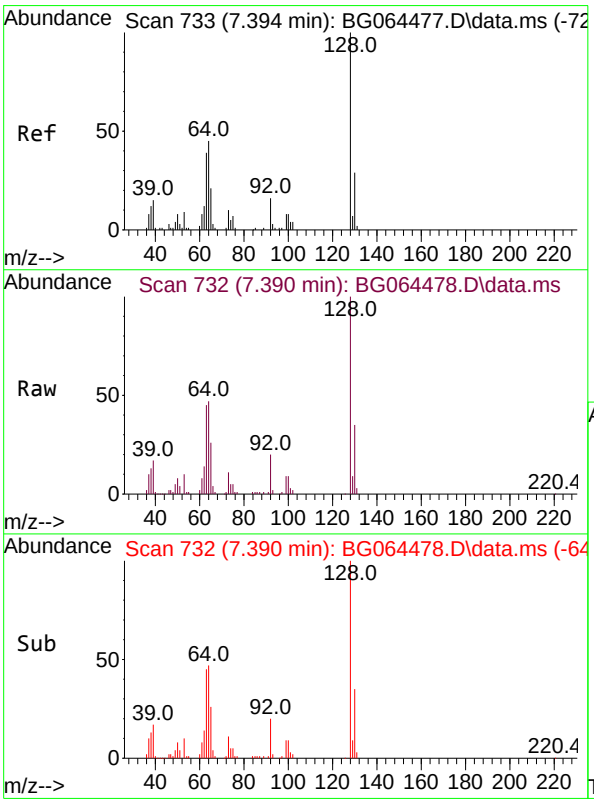
Ion	Ratio	Lower	Upper
99	100		
42	29.8	22.9	34.3
71	52.0	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

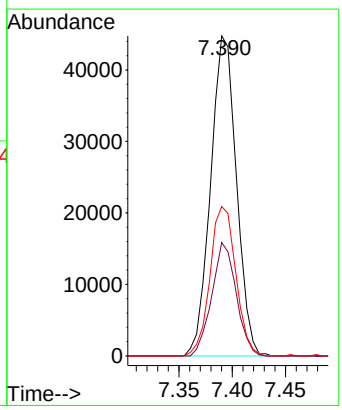
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

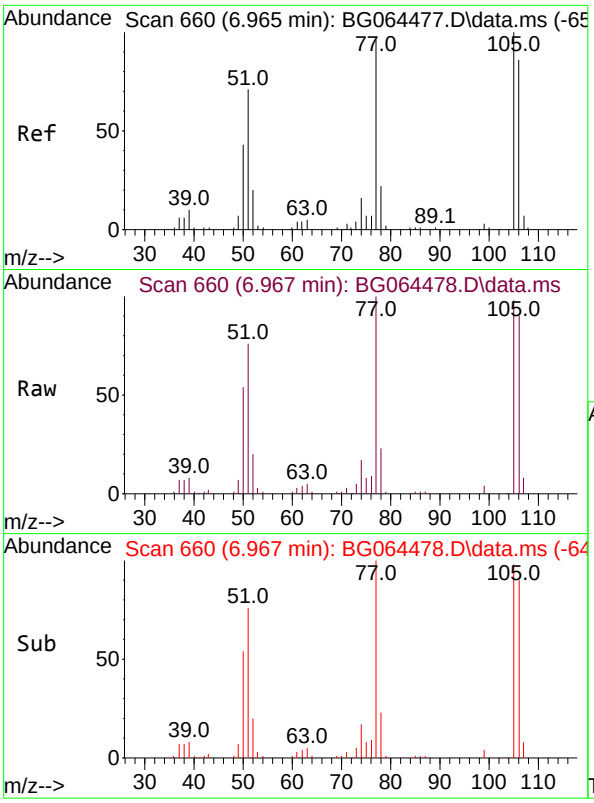


#8
2-Chlorophenol
Concen: 47.639 ng
RT: 7.390 min Scan# 732
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

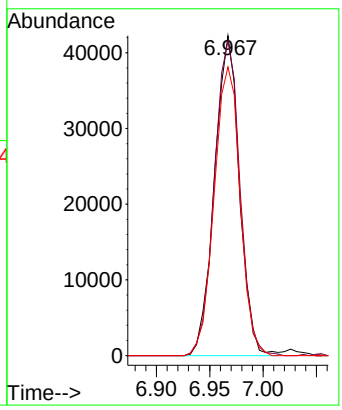




#9
Benzaldehyde
Concen: 44.668 ng
RT: 6.967 min Scan# 6
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 77 Resp: 6872

Ion	Ratio	Lower	Upper
77	100		
105	98.3	83.7	123.7
106	90.2	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
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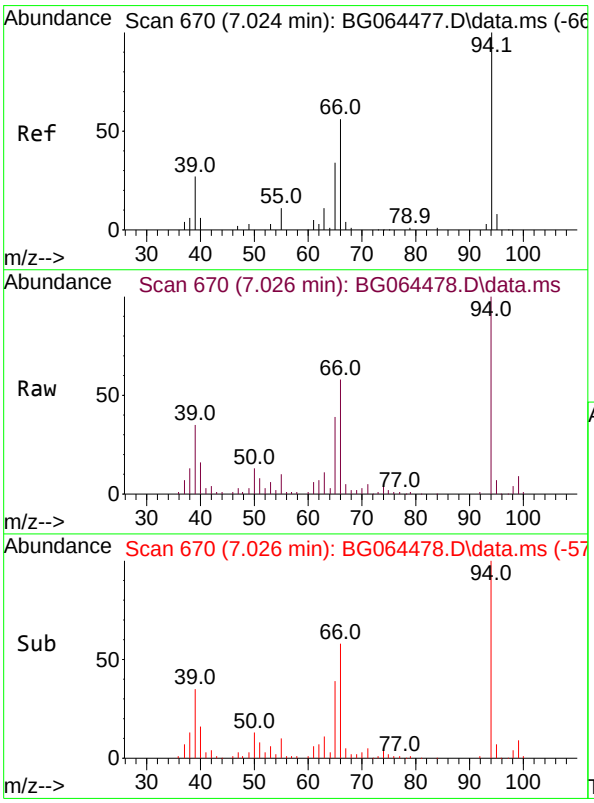
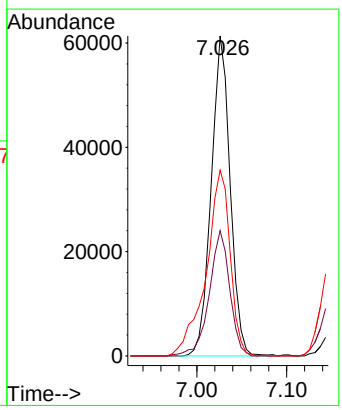
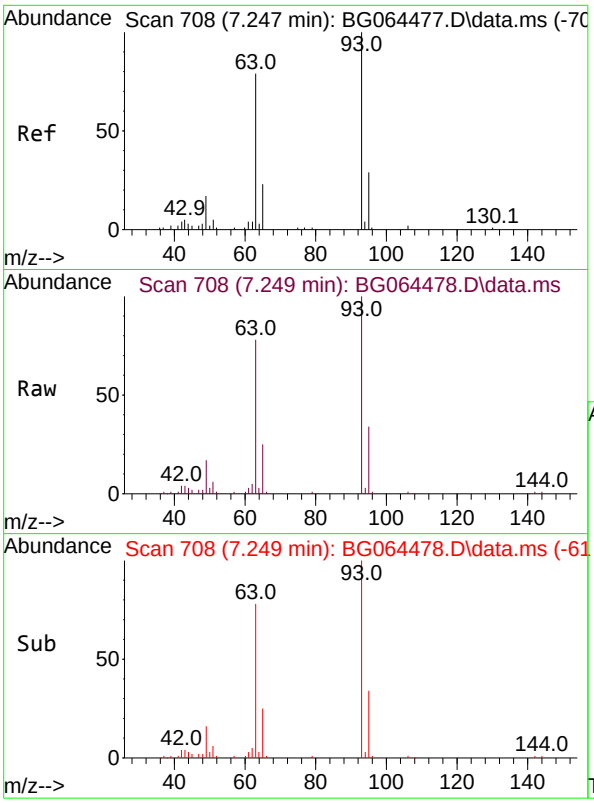


#10
Phenol
Concen: 49.517 ng
RT: 7.026 min Scan# 670
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

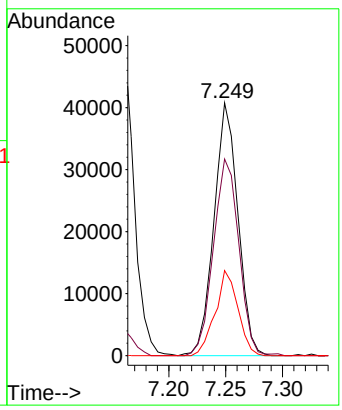




#11
bis(2-Chloroethyl)ether
Concen: 48.187 ng
RT: 7.249 min Scan# 70
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
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ClientSampleId :
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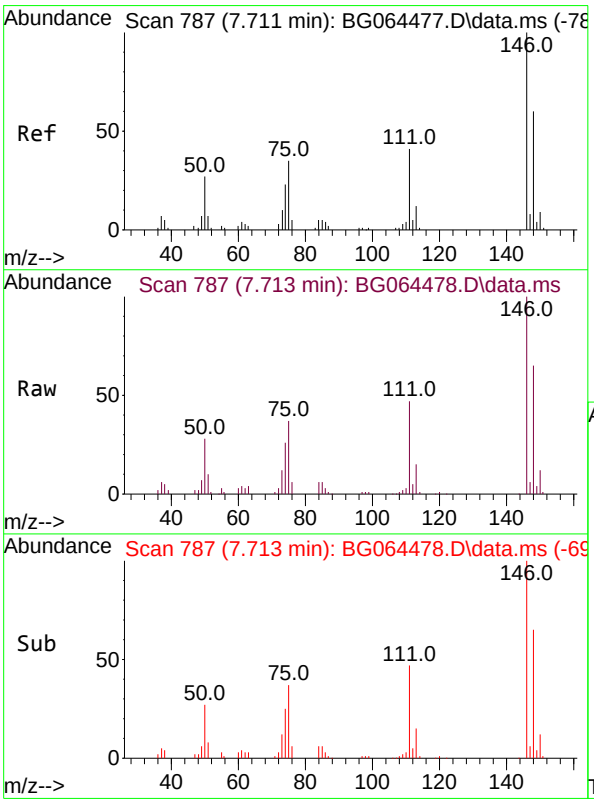
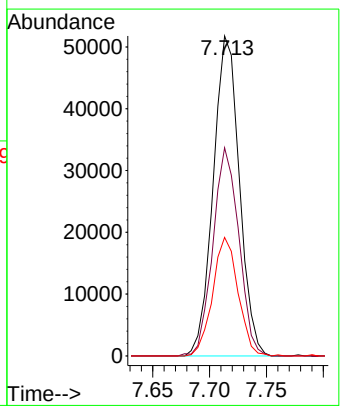
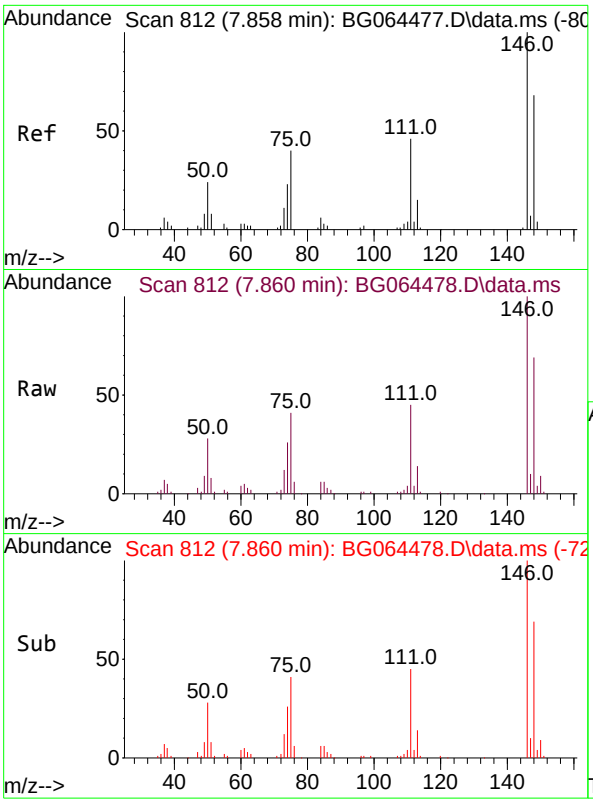


#12
1,3-Dichlorobenzene
Concen: 47.713 ng
RT: 7.713 min Scan# 787
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

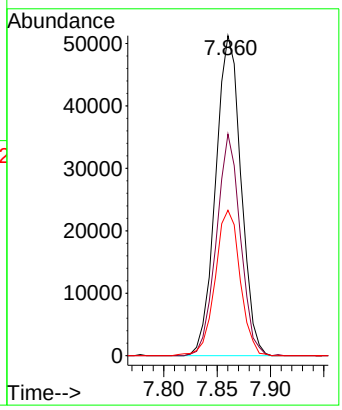




#13
1,4-Dichlorobenzene
Concen: 48.767 ng
RT: 7.860 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
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ClientSampleId :
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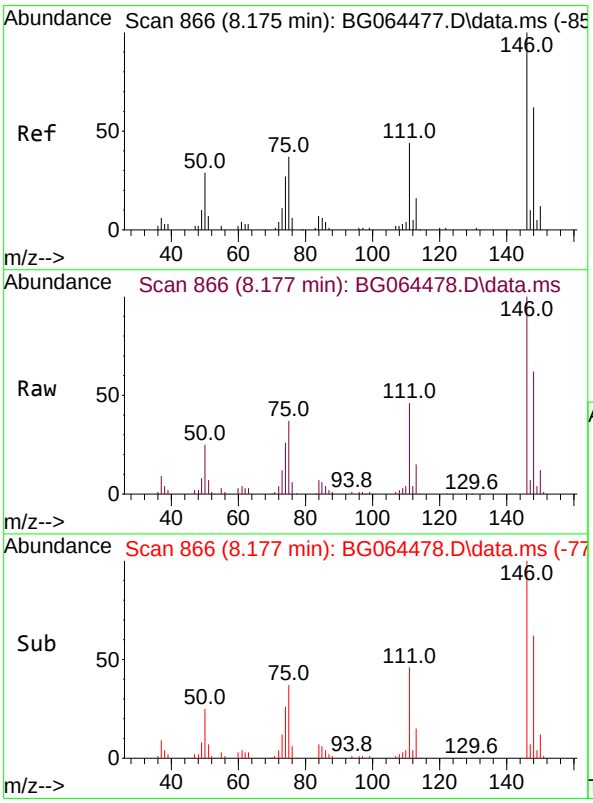
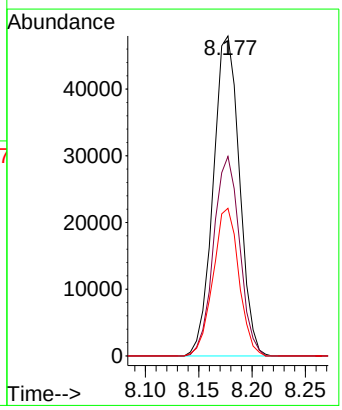
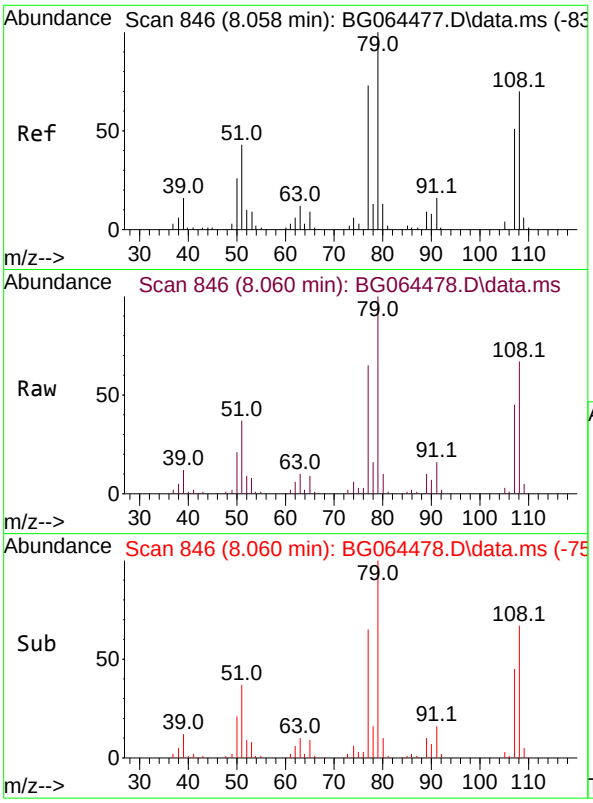


#14
1,2-Dichlorobenzene
Concen: 47.956 ng
RT: 8.177 min Scan# 866
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

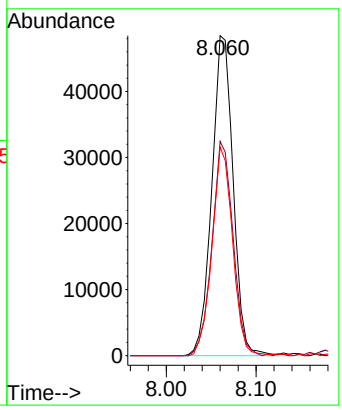




#15
Benzyl Alcohol
Concen: 50.179 ng
RT: 8.060 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 79 Resp: 8009

Ion	Ratio	Lower	Upper
79	100		
108	66.9	56.4	84.6
77	65.1	58.3	87.5



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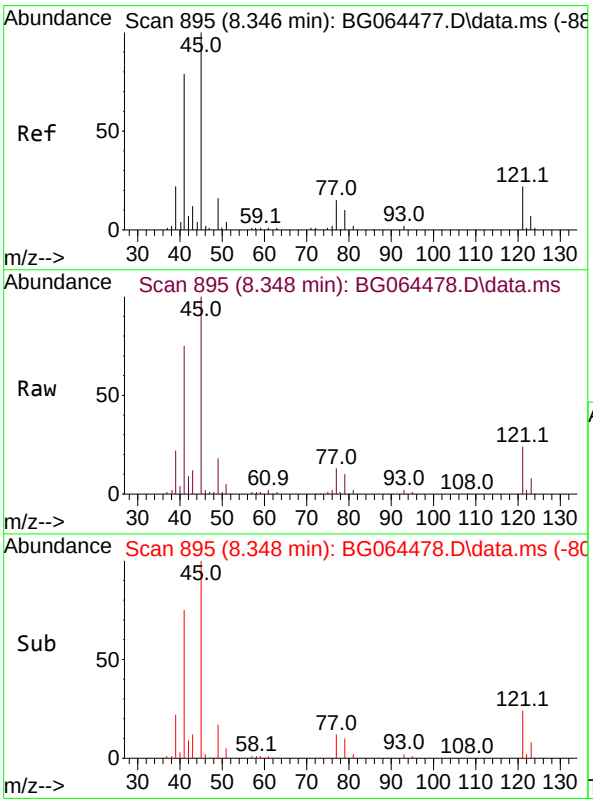
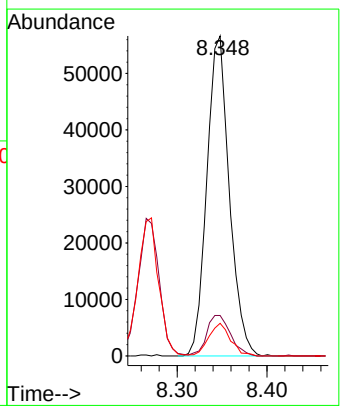
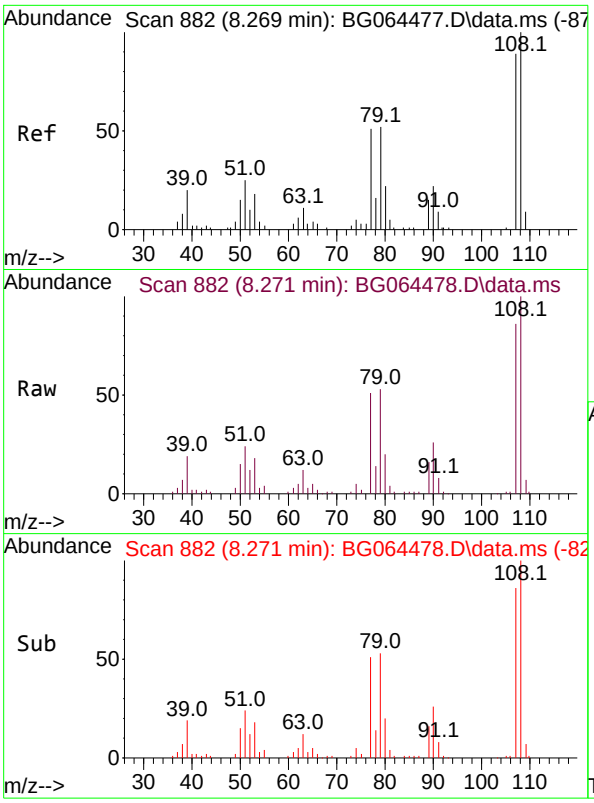


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.340 ng
RT: 8.348 min Scan# 895
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

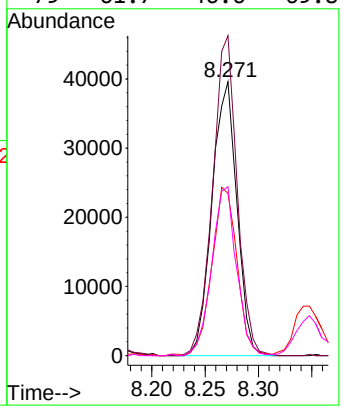




#17
2-Methylphenol
Concen: 48.496 ng
RT: 8.271 min Scan# 88
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:107 Resp: 6420

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



Instrument :
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ClientSampleId :
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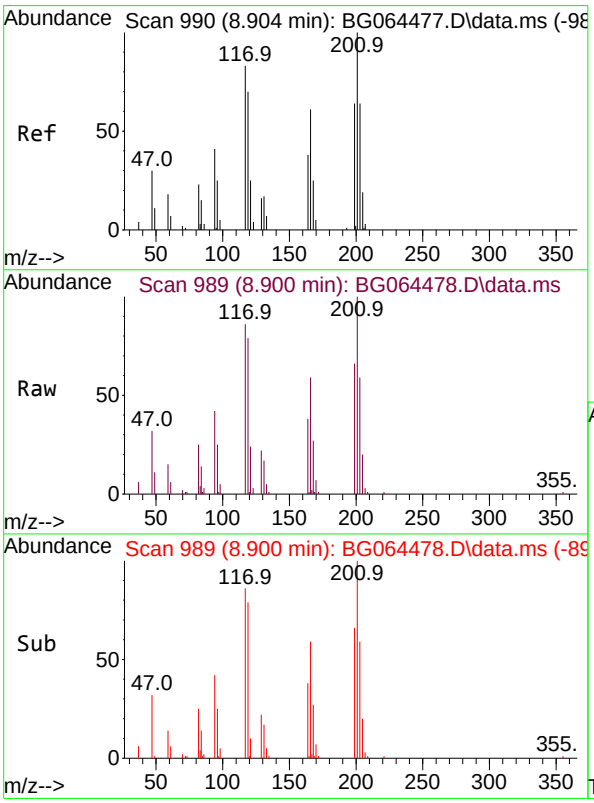
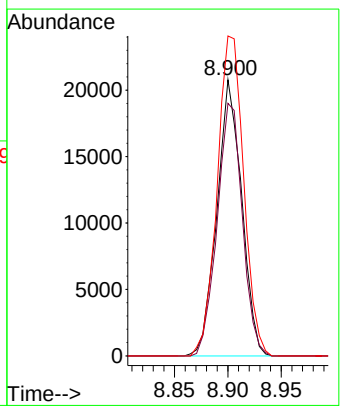
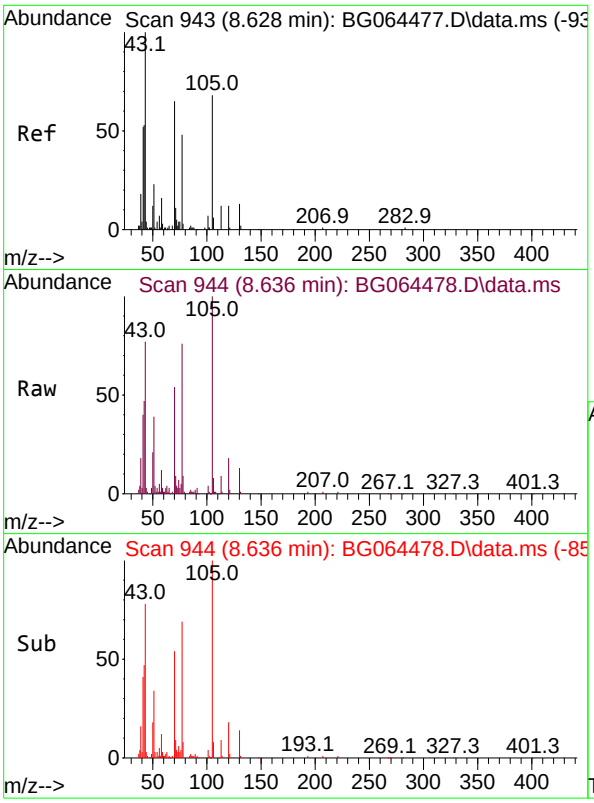


#18
Hexachloroethane
Concen: 48.862 ng
RT: 8.900 min Scan# 989
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

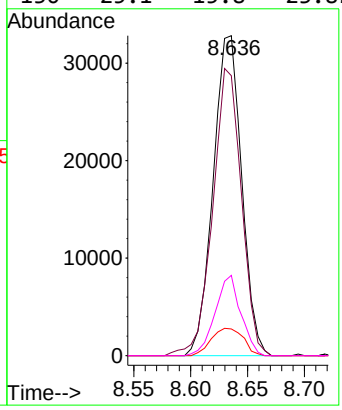




#19
n-Nitroso-di-n-propylamine
Concen: 49.375 ng
RT: 8.636 min Scan# 94
Delta R.T. 0.022 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 70 Resp: 5723

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#



Instrument :
BNA_G
ClientSampleId :
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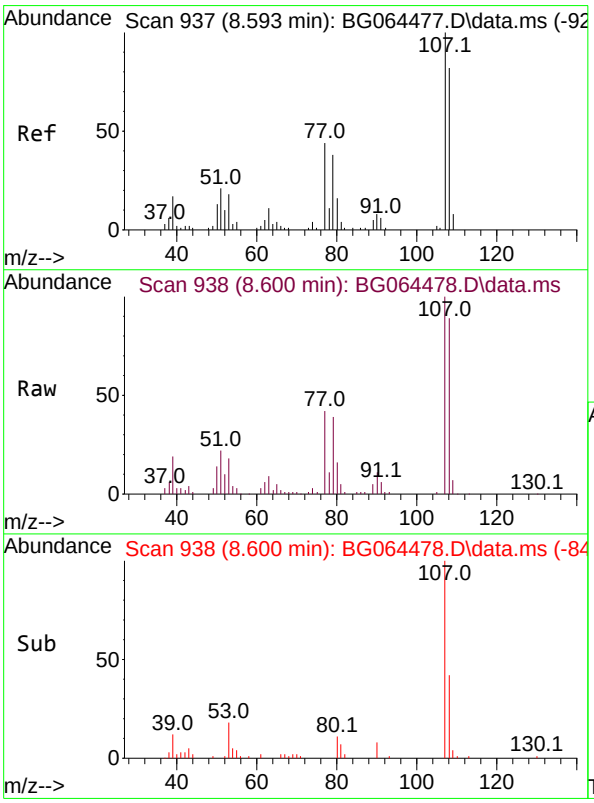
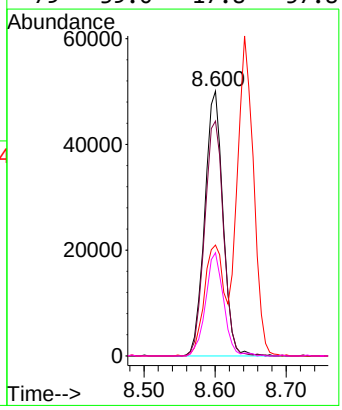
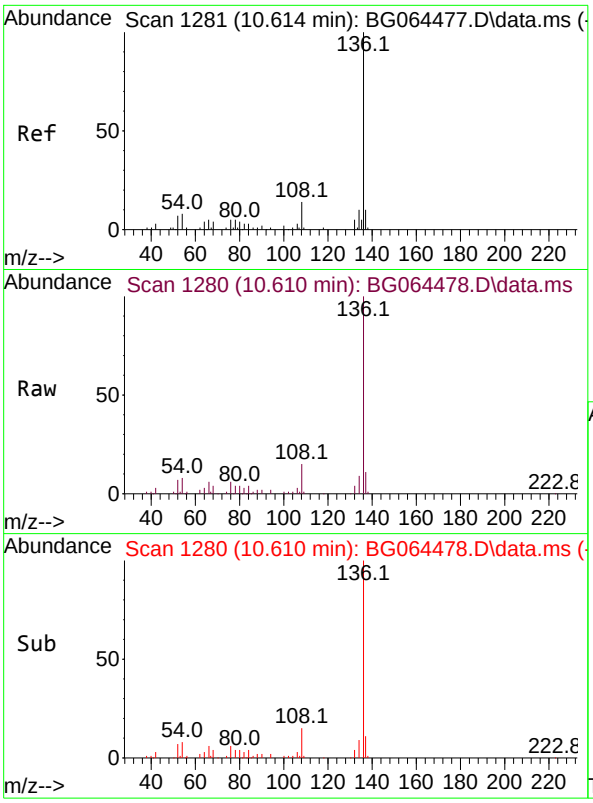


#20
3+4-Methylphenols
Concen: 48.180 ng
RT: 8.600 min Scan# 938
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

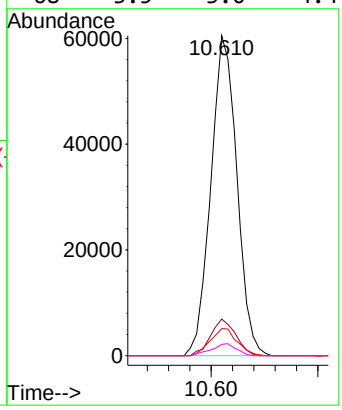




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:136 Resp: 10273

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



Instrument :
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ClientSampleId :
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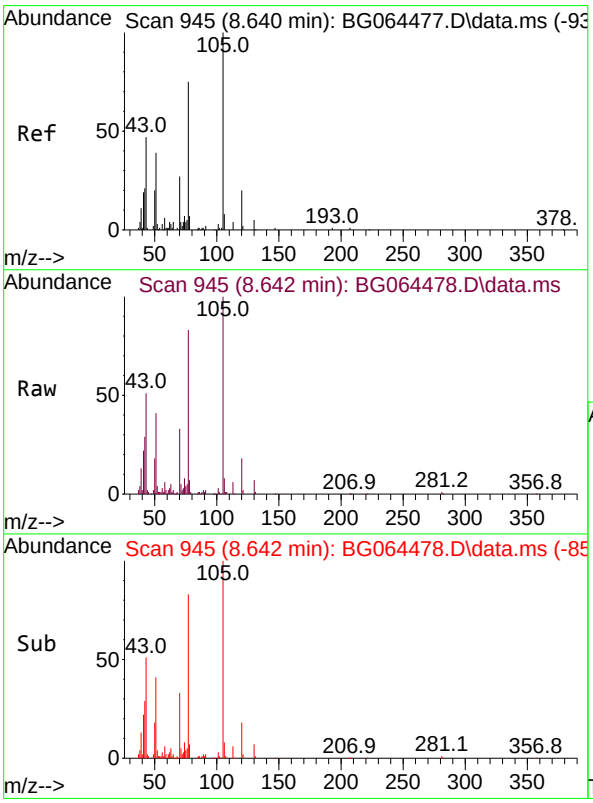
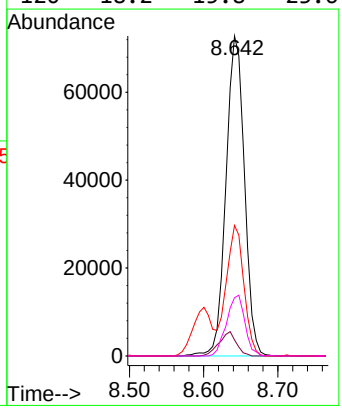
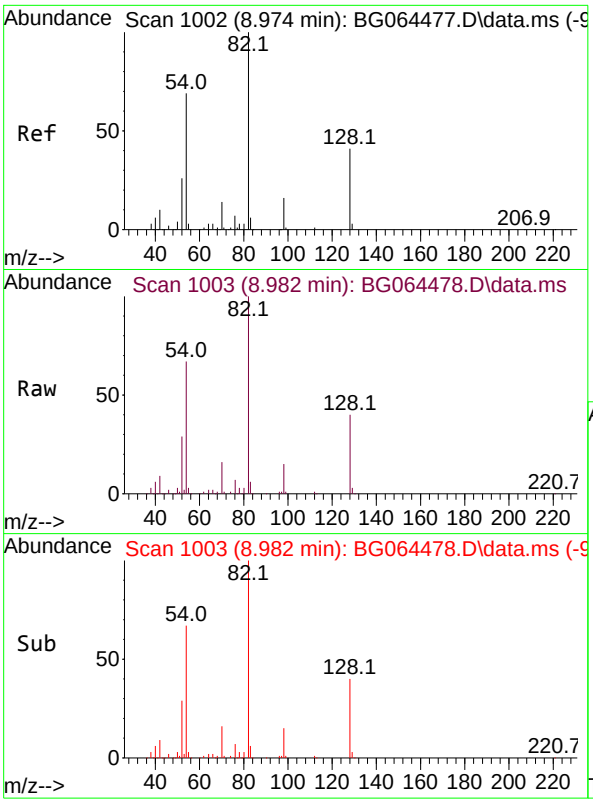


#22
Acetophenone
Concen: 50.649 ng
RT: 8.642 min Scan# 945
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

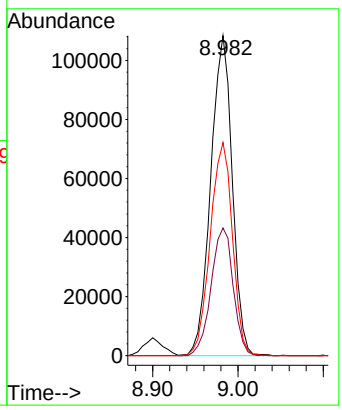




#23
Nitrobenzene-d5
Concen: 99.278 ng
RT: 8.982 min Scan# 1
Delta R.T. 0.016 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
BNA_G
ClientSampleId :
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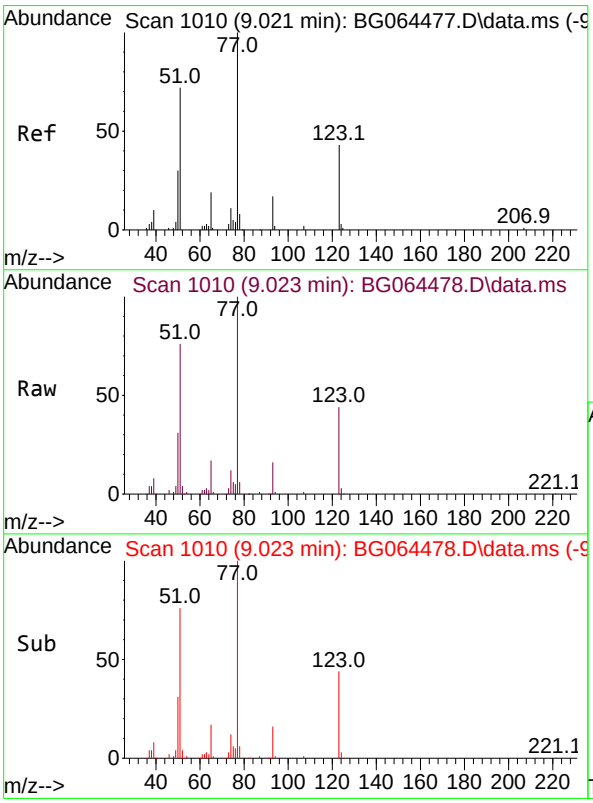
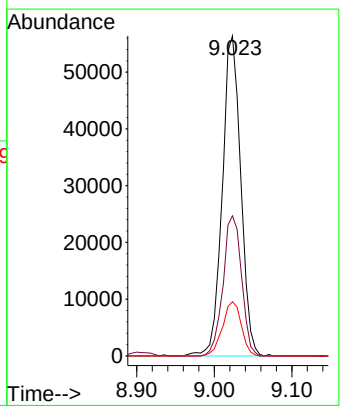
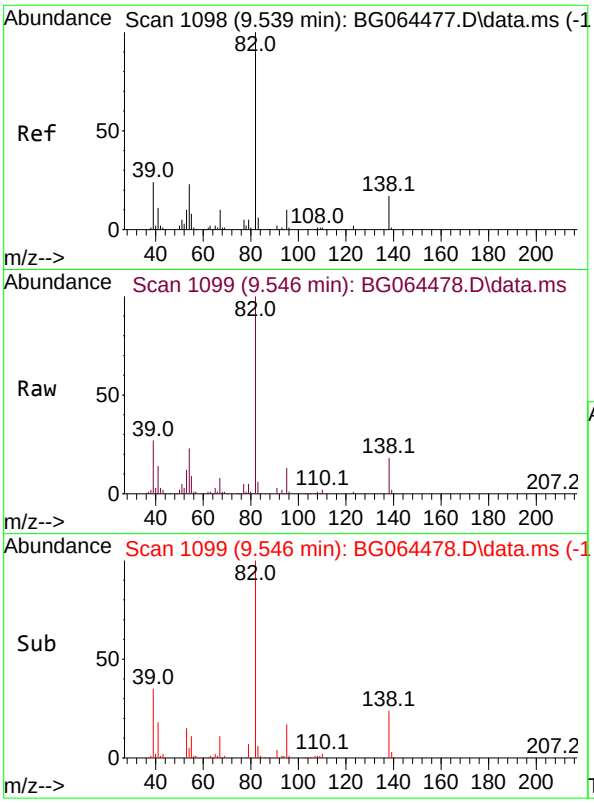


#24
Nitrobenzene
Concen: 49.104 ng
RT: 9.023 min Scan# 1010
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

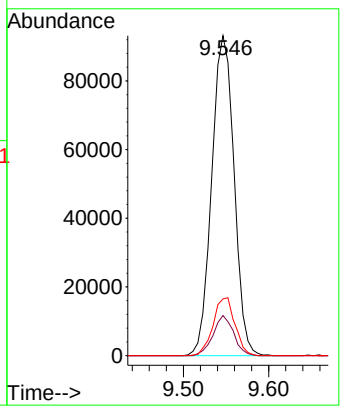




#25
Isophorone
Concen: 48.963 ng
RT: 9.546 min Scan# 1
Delta R.T. 0.016 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion: 82 Resp: 16947

Ion	Ratio	Lower	Upper
82	100		
95	12.5	7.8	11.8#
138	17.7	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
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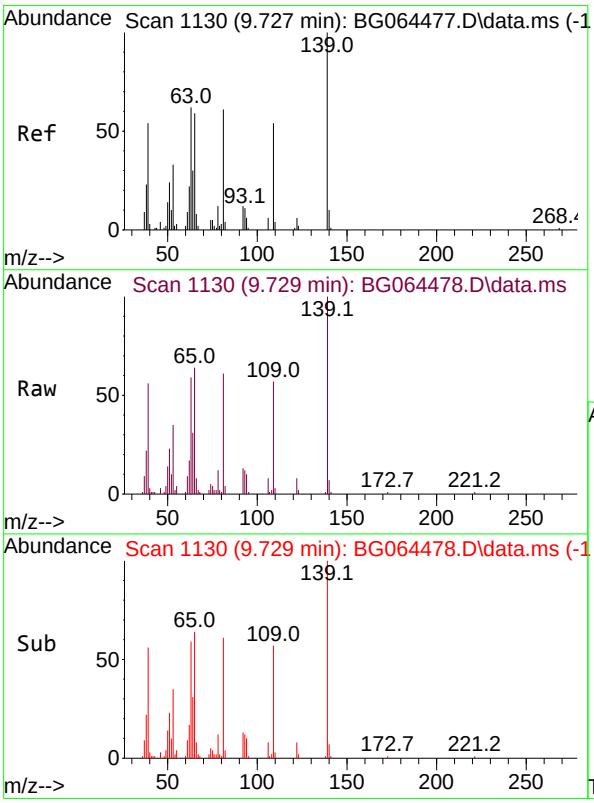
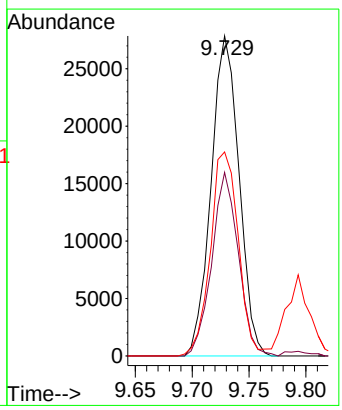
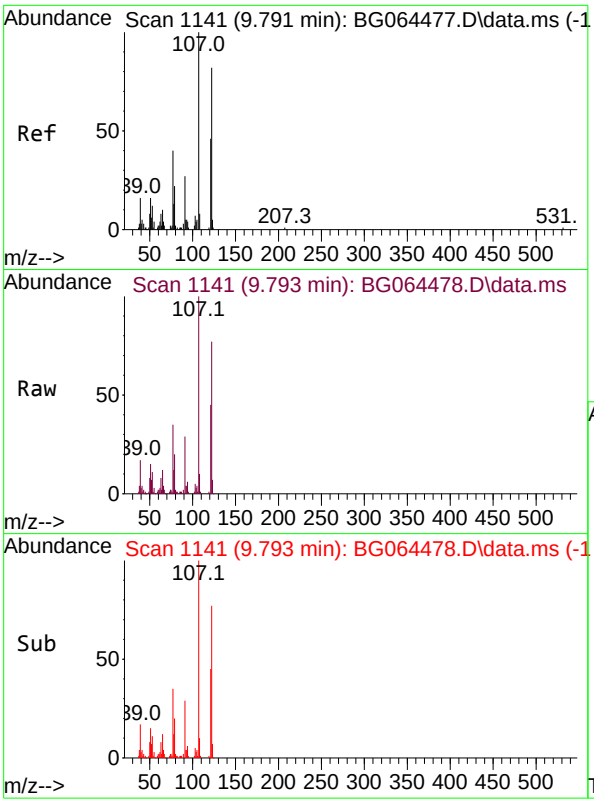


#26
2-Nitrophenol
Concen: 50.130 ng
RT: 9.729 min Scan# 1130
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

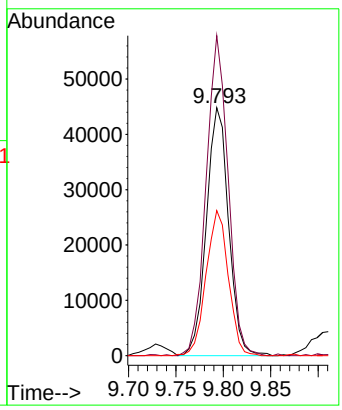




#27
2,4-Dimethylphenol
Concen: 50.454 ng
RT: 9.793 min Scan# 11
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:122 Resp: 7307

Ion	Ratio	Lower	Upper
122	100		
107	129.1	98.3	147.5
121	58.5	44.7	67.1



Instrument :
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ClientSampleId :
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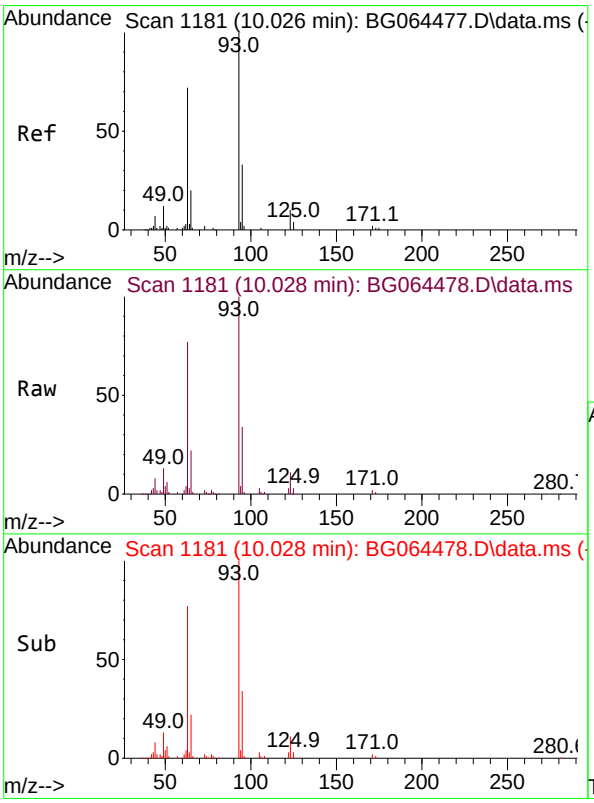
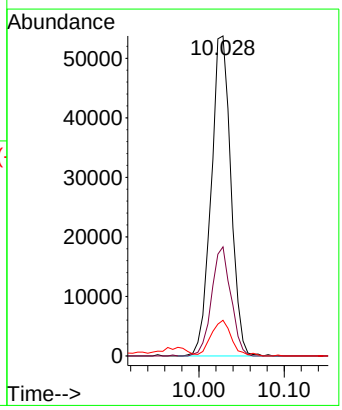
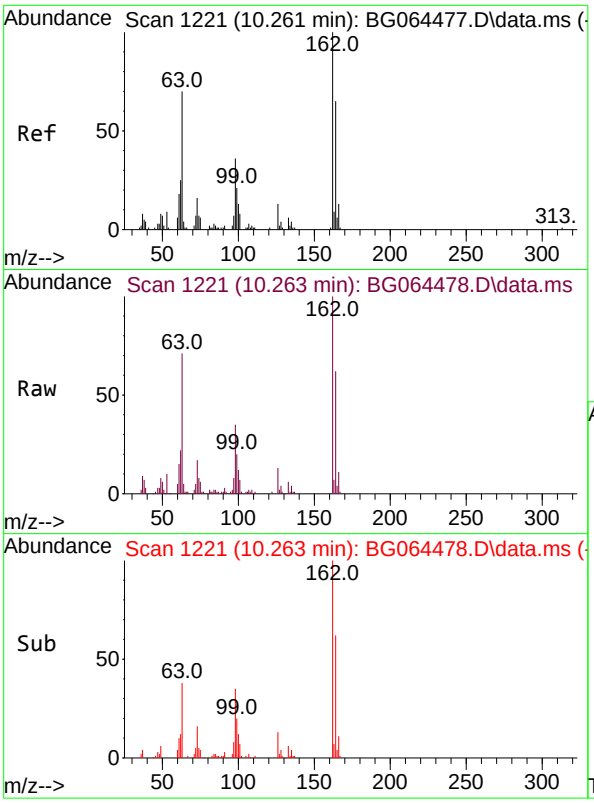


#28
bis(2-Chloroethoxy)methane
Concen: 48.931 ng
RT: 10.028 min Scan# 1181
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

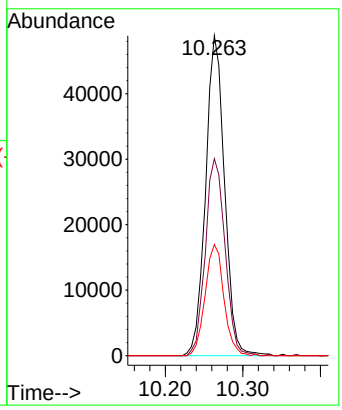




#29
2,4-Dichlorophenol
Concen: 49.435 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
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ClientSampleId :
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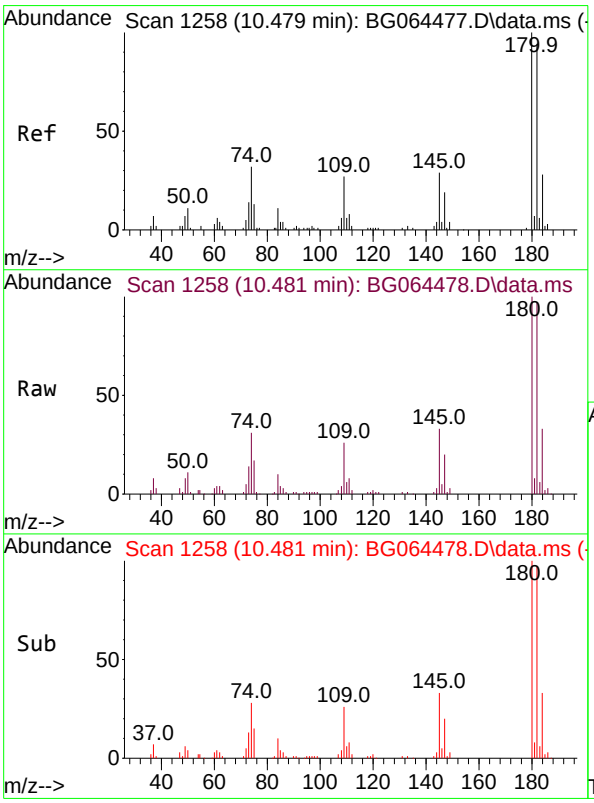
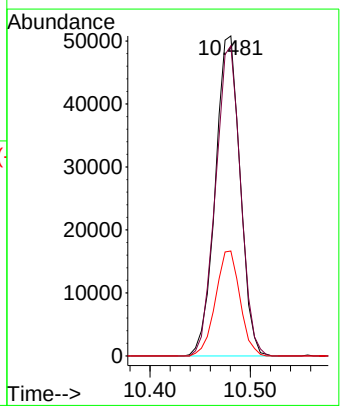
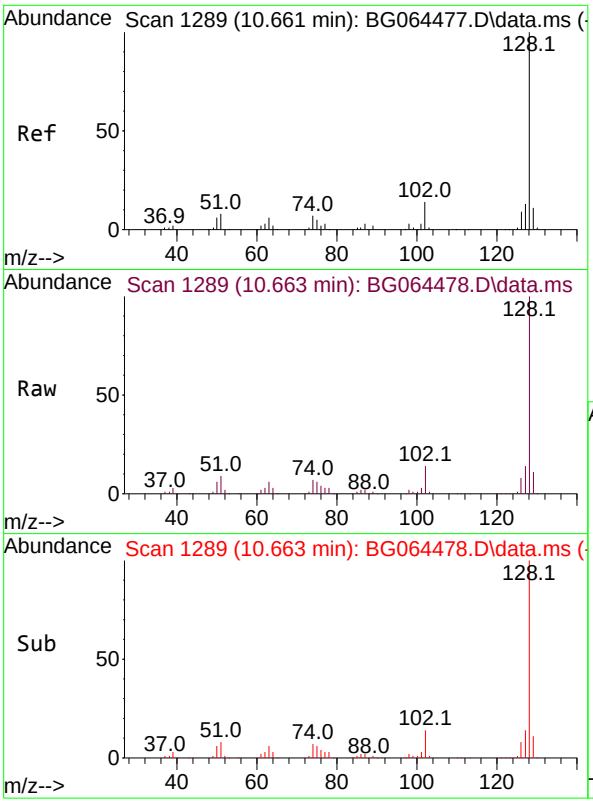


#30
1,2,4-Trichlorobenzene
Concen: 47.734 ng
RT: 10.481 min Scan# 1258
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

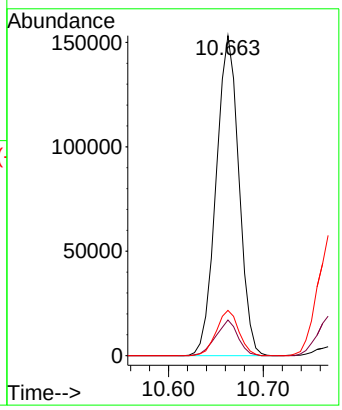




#31
Naphthalene
Concen: 48.286 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
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ClientSampleId :
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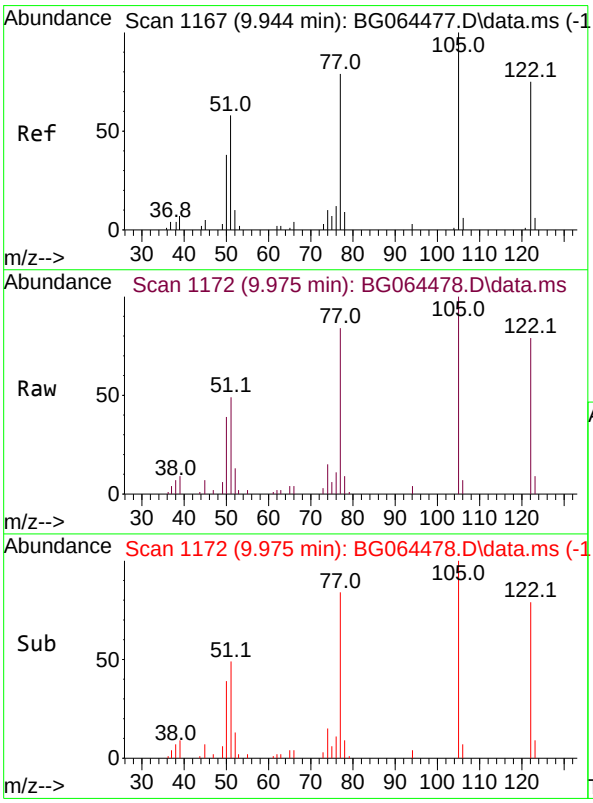
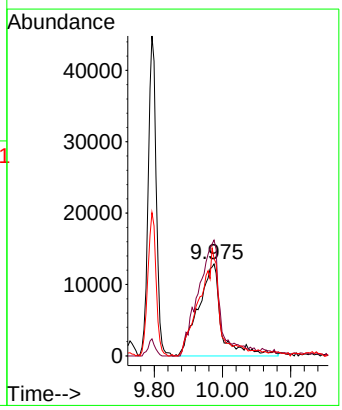
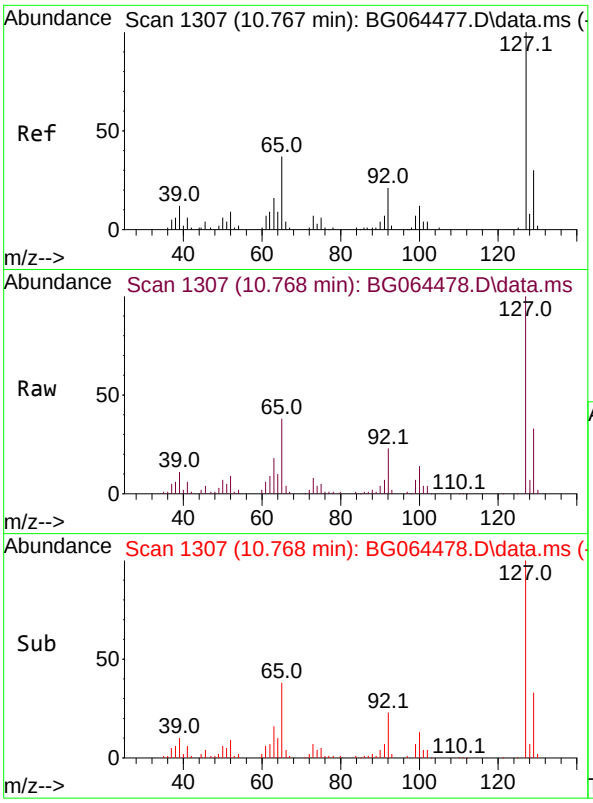


#32
Benzoic acid
Concen: 54.652 ng m
RT: 9.975 min Scan# 1172
Delta R.T. 0.087 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

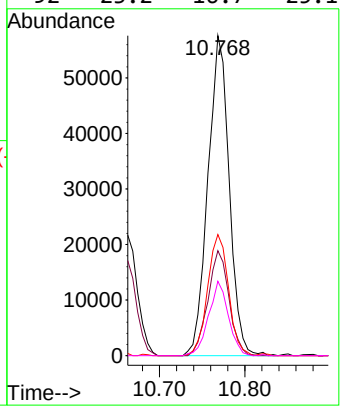




#33
4-Chloroaniline
Concen: 49.113 ng
RT: 10.768 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:127 Resp: 9970

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



Instrument :
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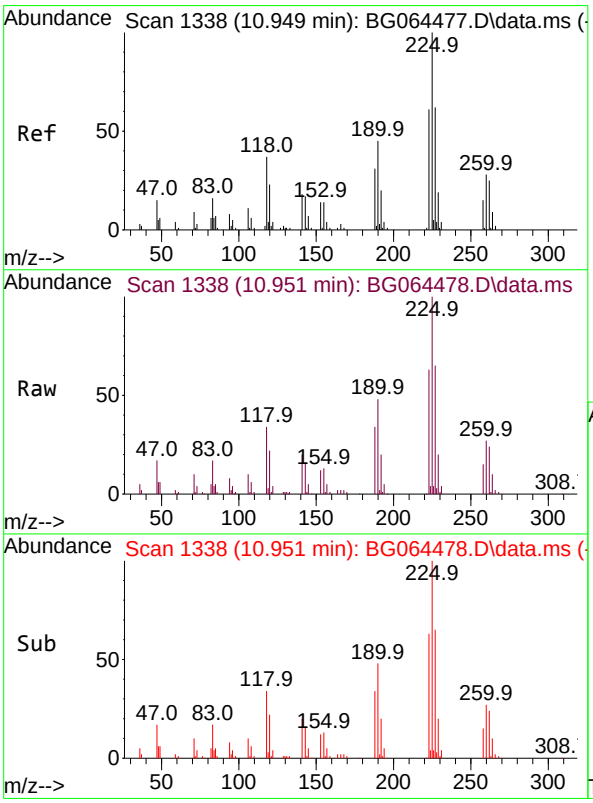
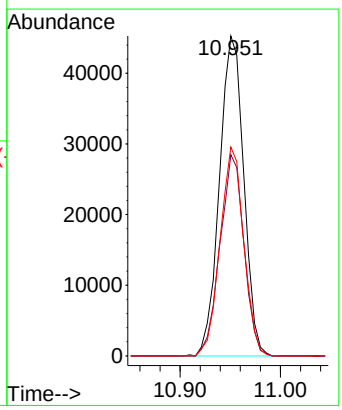
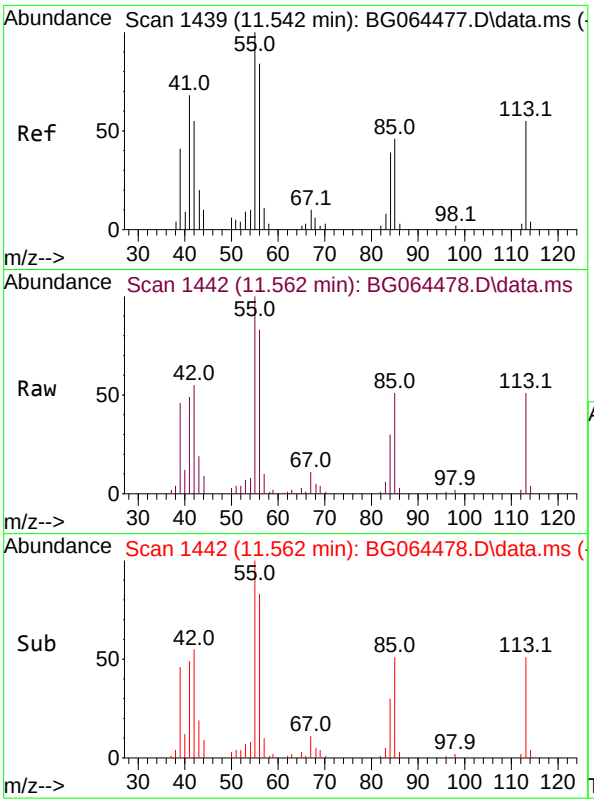


#34
Hexachlorobutadiene
Concen: 48.646 ng
RT: 10.951 min Scan# 1338
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

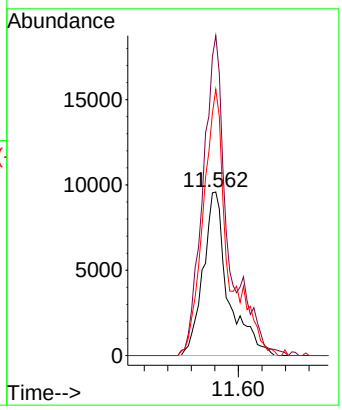




#35
Caprolactam
Concen: 49.561 ng
RT: 11.562 min Scan# 14
Delta R.T. 0.051 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
BNA_G
ClientSampleId :
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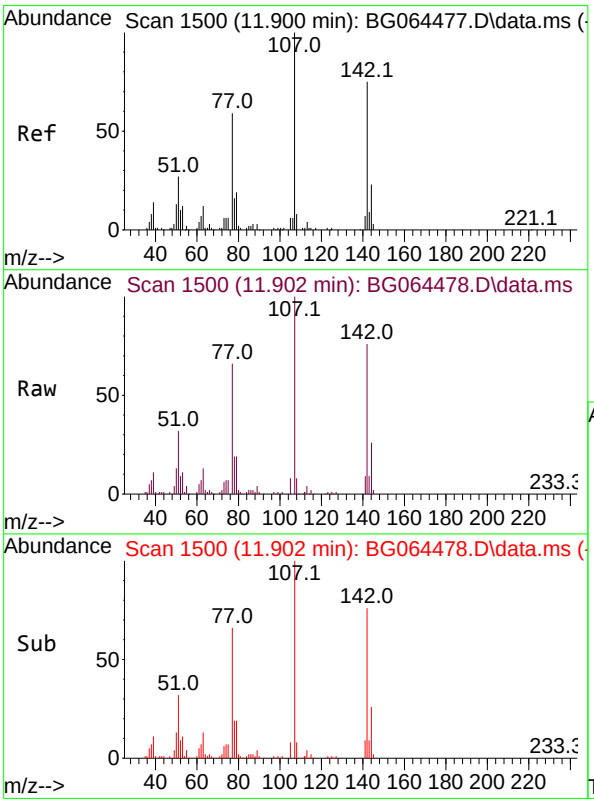
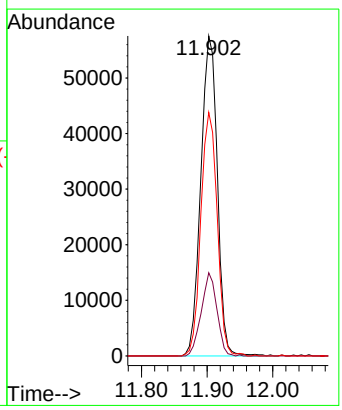
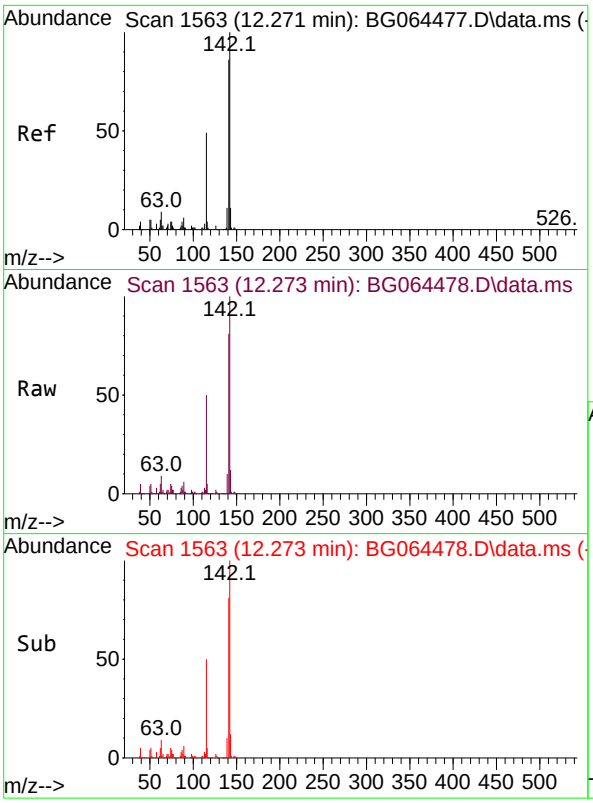


#36
4-Chloro-3-methylphenol
Concen: 49.208 ng
RT: 11.902 min Scan# 1500
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

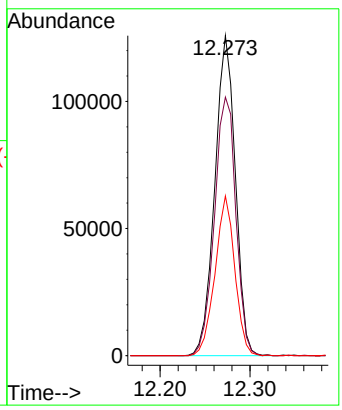




#37
2-Methylnaphthalene
Concen: 49.224 ng
RT: 12.273 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:142 Resp: 19989

Ion	Ratio	Lower	Upper
142	100		
141	80.8	68.7	103.1
115	49.9	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
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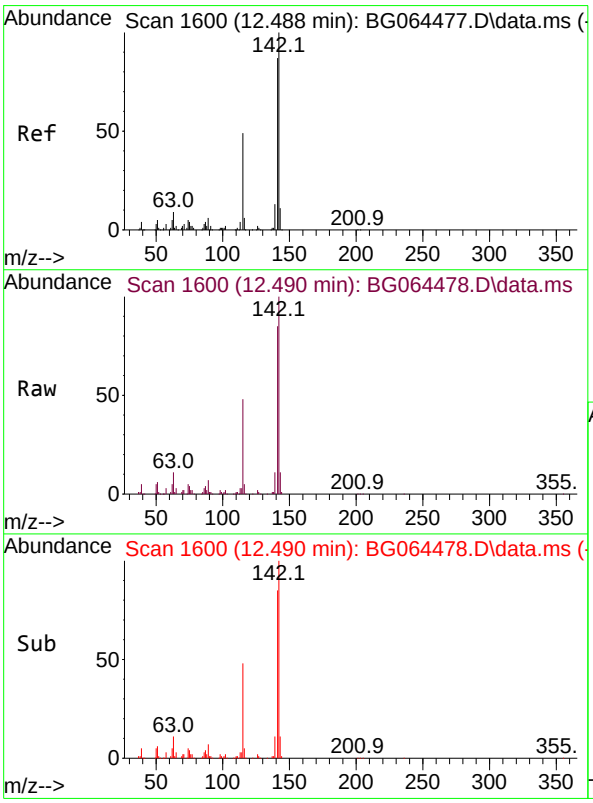
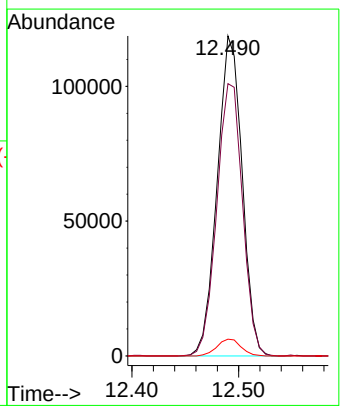
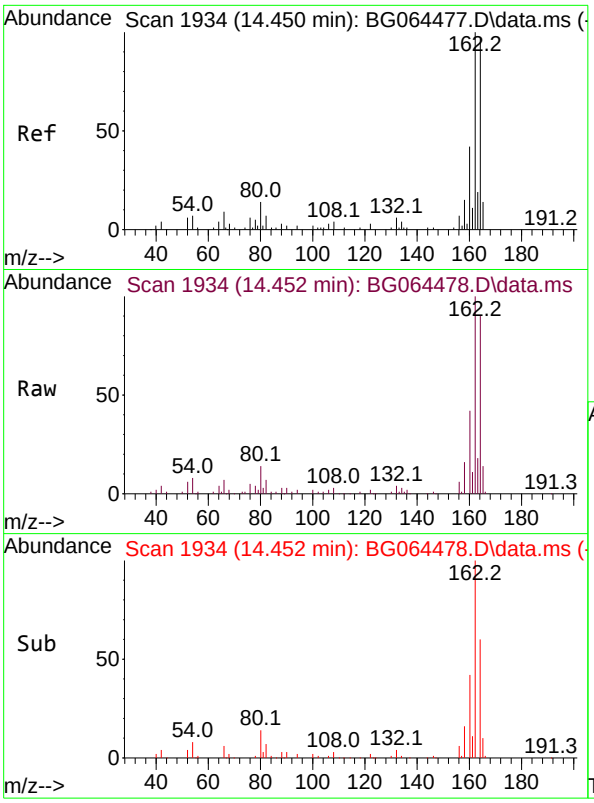


#38
1-Methylnaphthalene
Concen: 47.567 ng
RT: 12.490 min Scan# 1600
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

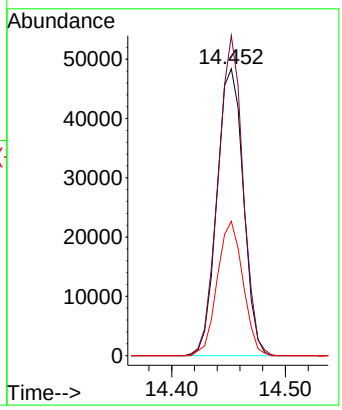




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.452 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:164 Resp: 7795

Ion	Ratio	Lower	Upper
164	100		
162	111.6	82.2	123.2
160	46.9	34.3	51.5



Instrument :
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ClientSampleId :
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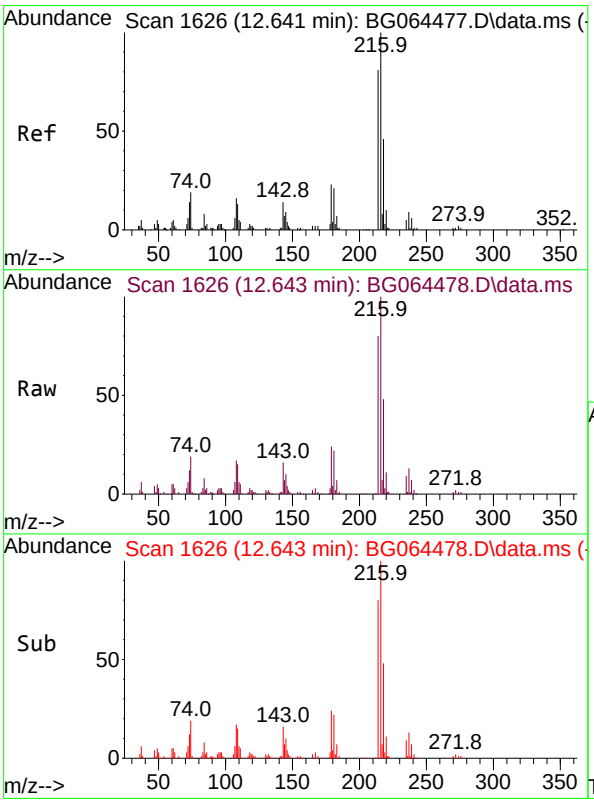
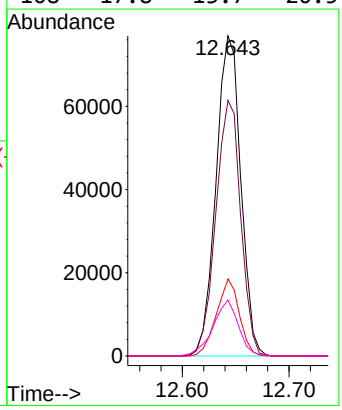
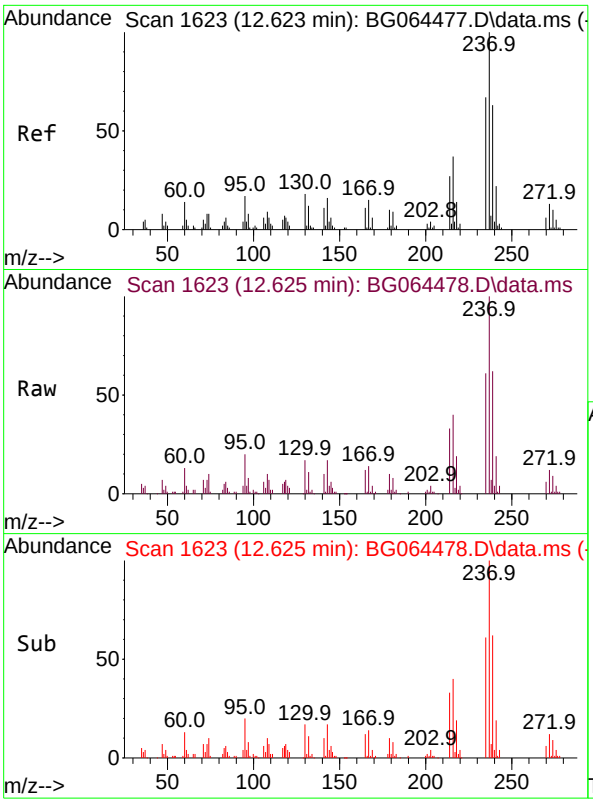


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.525 ng
RT: 12.643 min Scan# 1626
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

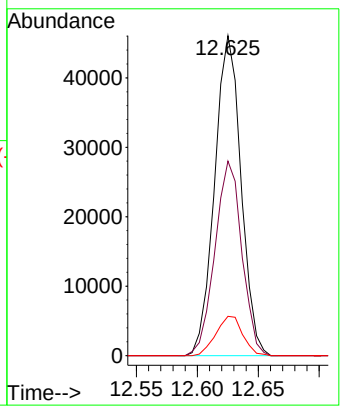




#41
Hexachlorocyclopentadiene
Concen: 52.692 ng
RT: 12.625 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:237 Resp: 6937

Ion	Ratio	Lower	Upper
237	100		
235	60.8	46.9	86.9
272	12.3	0.0	32.6



Instrument :
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ClientSampleId :
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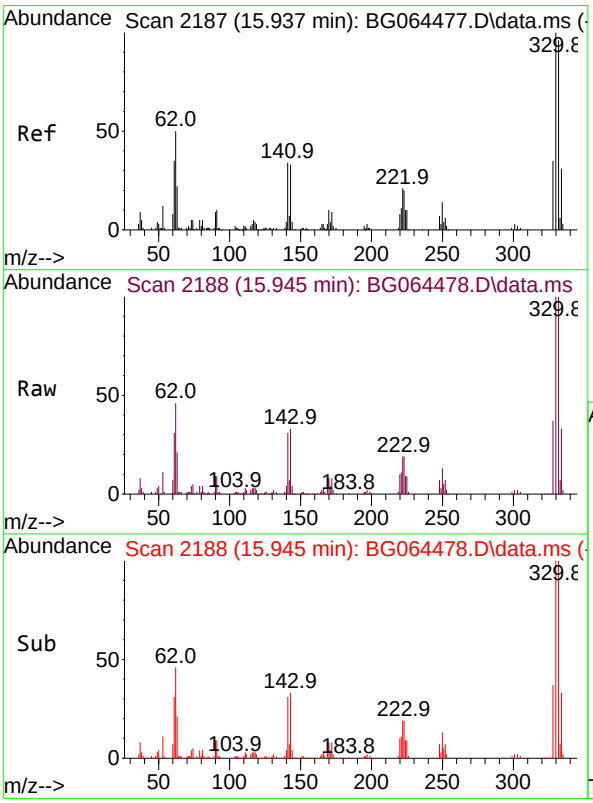
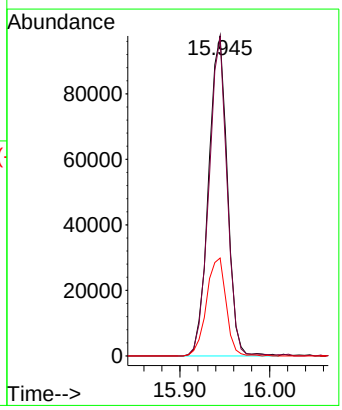
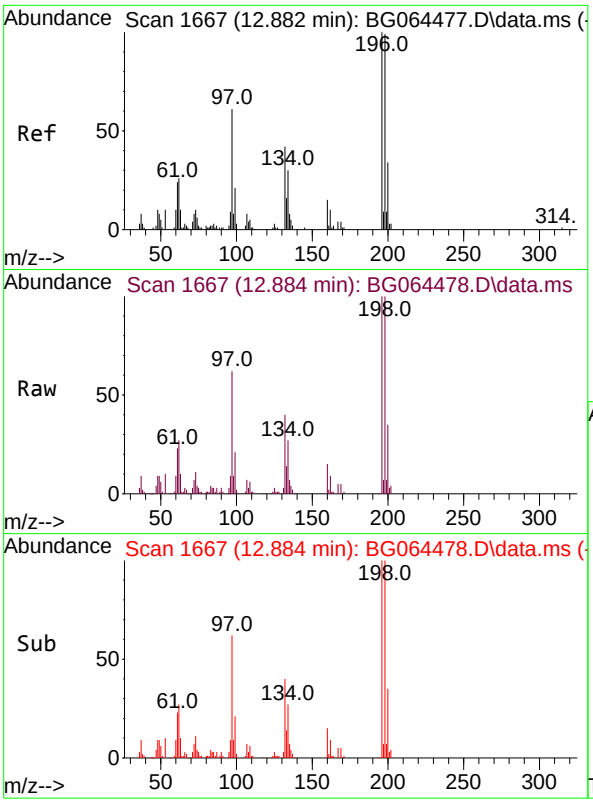


#42
2,4,6-Tribromophenol
Concen: 100.345 ng
RT: 15.945 min Scan# 2188
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

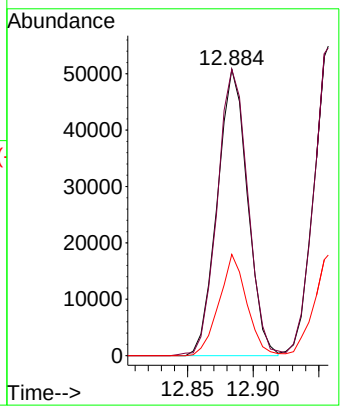




#43
2,4,6-Trichlorophenol
Concen: 50.434 ng
RT: 12.884 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:196 Resp: 8114

Ion	Ratio	Lower	Upper
196	100		
198	100.0	79.3	118.9
200	35.4	27.4	41.2



Instrument :
BNA_G
ClientSampleId :
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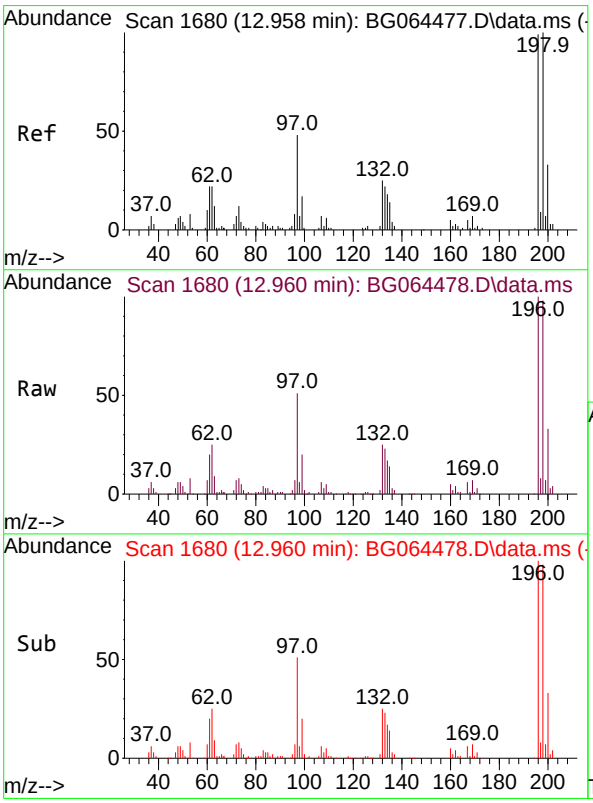
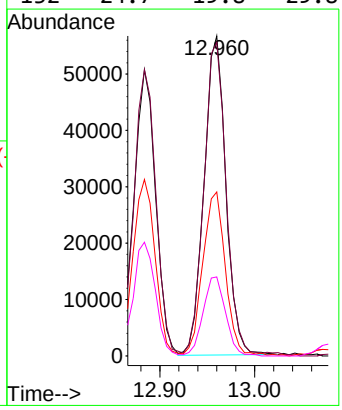
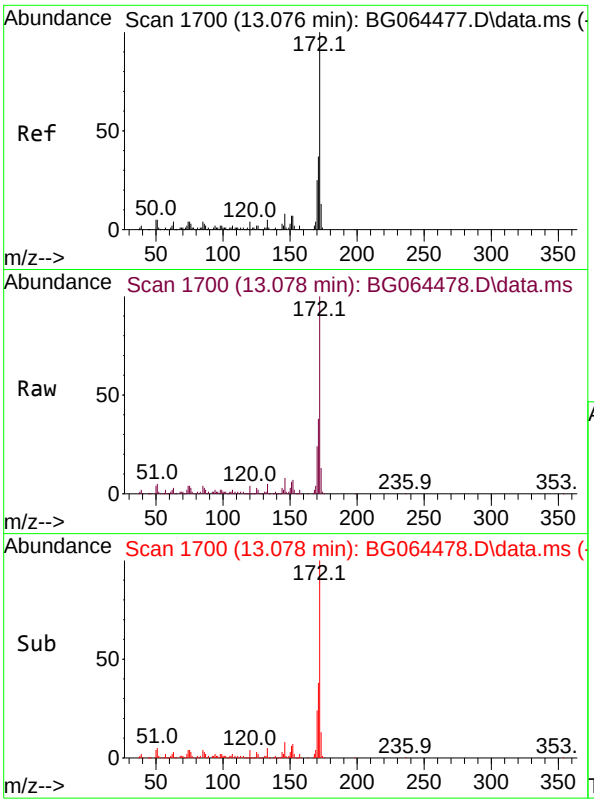


#44
2,4,5-Trichlorophenol
Concen: 50.396 ng
RT: 12.960 min Scan# 1680
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

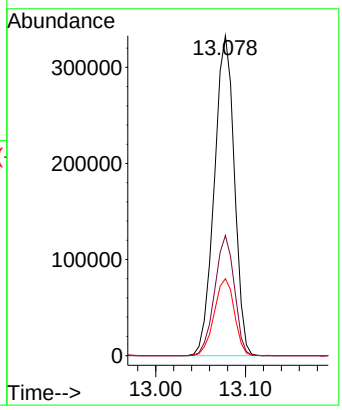




#45
2-Fluorobiphenyl
Concen: 97.676 ng
RT: 13.078 min Scan# 1
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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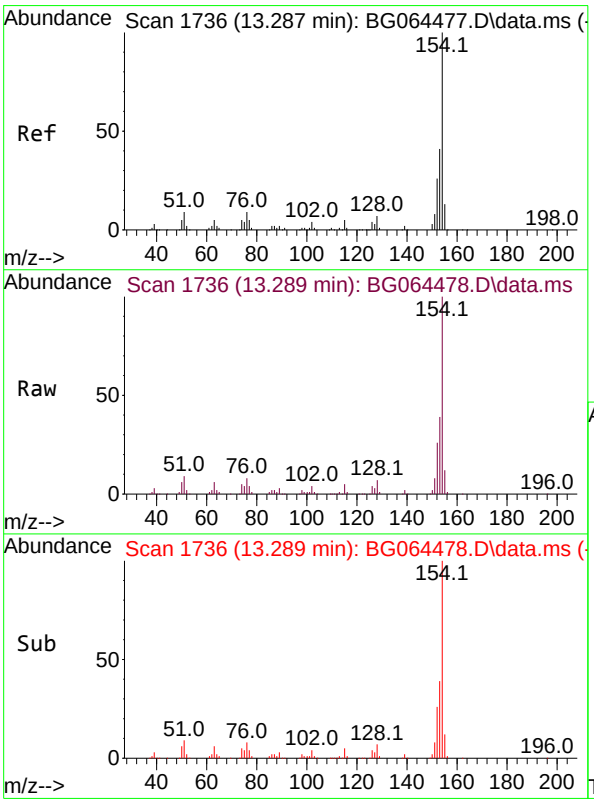
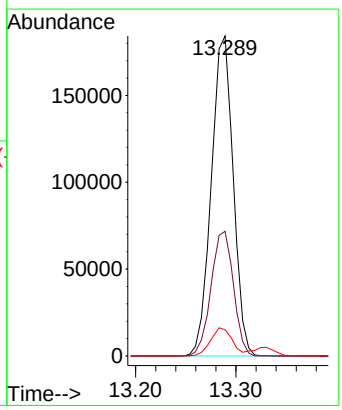
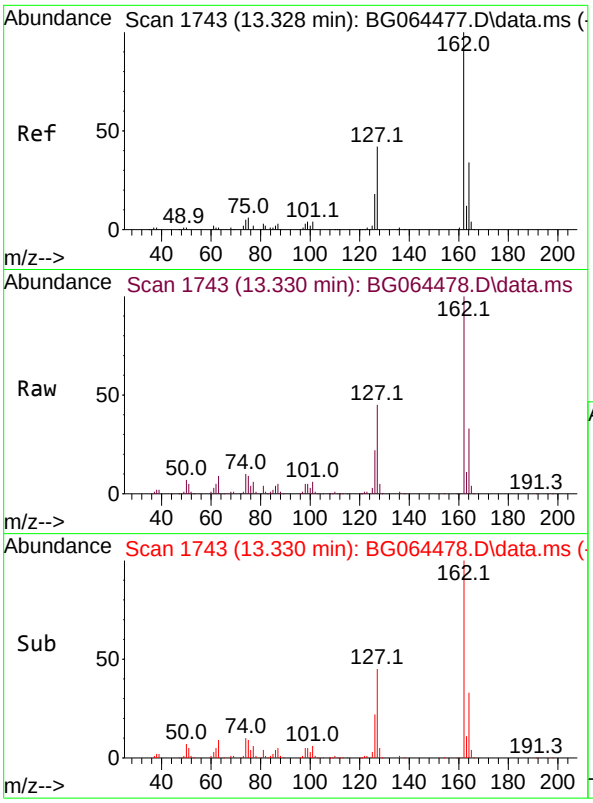


#46
1,1'-Biphenyl
Concen: 49.860 ng
RT: 13.289 min Scan# 1736
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

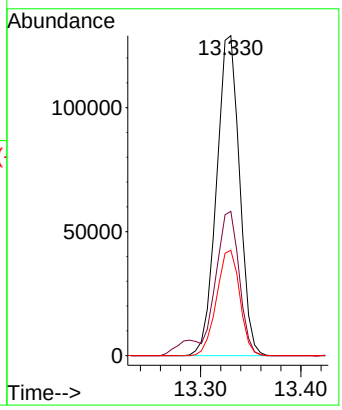




#47
2-Chloronaphthalene
Concen: 49.166 ng
RT: 13.330 min Scan# 1
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:162 Resp: 20580

Ion	Ratio	Lower	Upper
162	100		
127	45.1	35.8	53.8
164	32.9	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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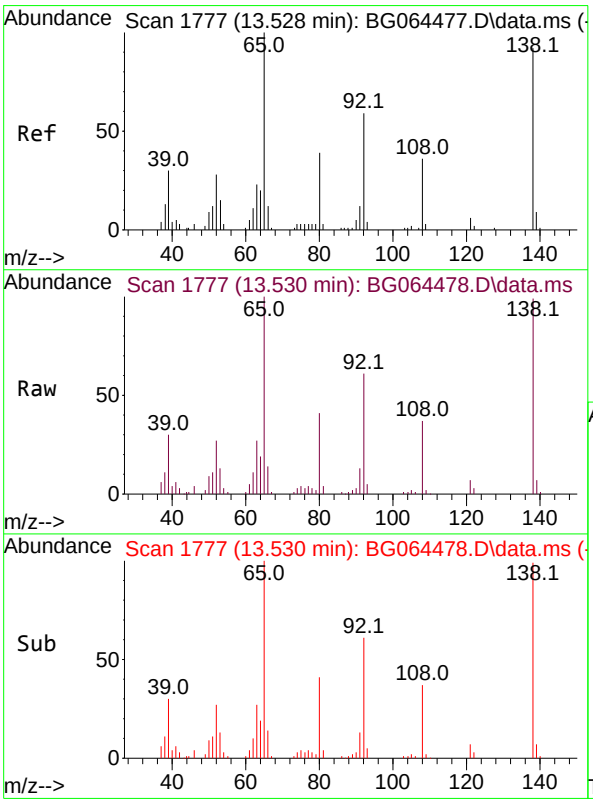
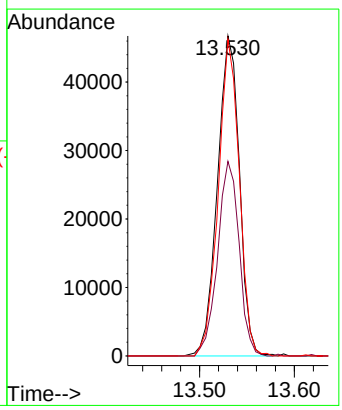
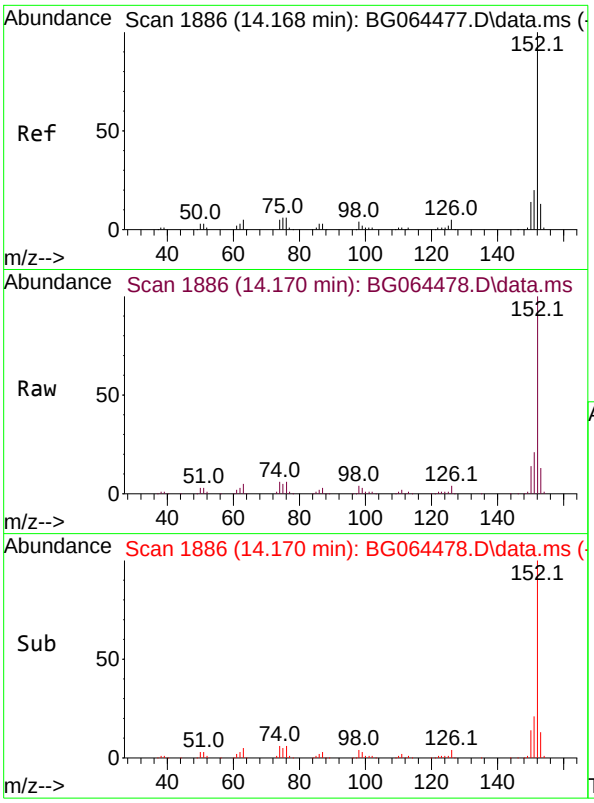


#48
2-Nitroaniline
Concen: 52.594 ng
RT: 13.530 min Scan# 1777
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

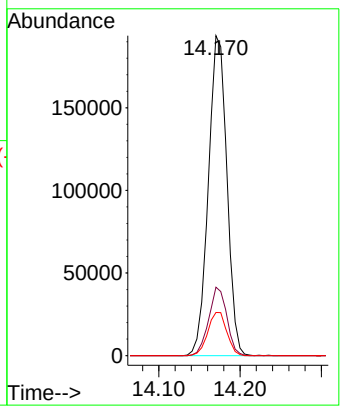




#49
Acenaphthylene
Concen: 49.365 ng
RT: 14.170 min Scan# 18
Delta R.T. -0.002 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:152 Resp: 30674

Ion	Ratio	Lower	Upper
152	100		
151	21.4	15.8	23.6
153	13.5	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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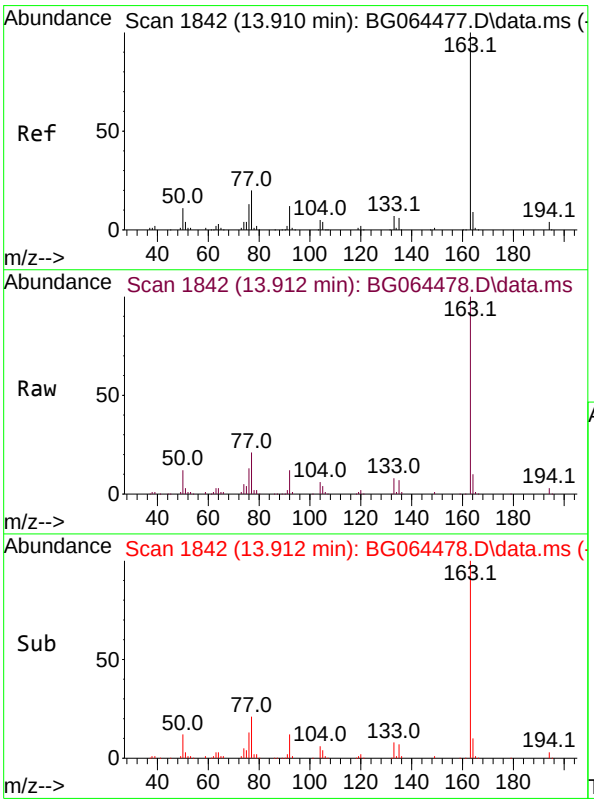
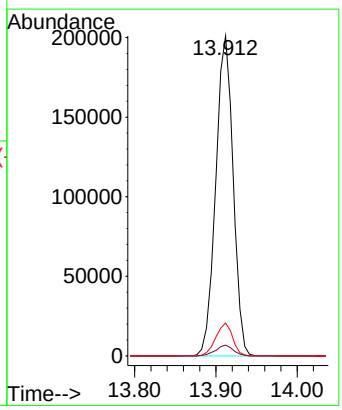
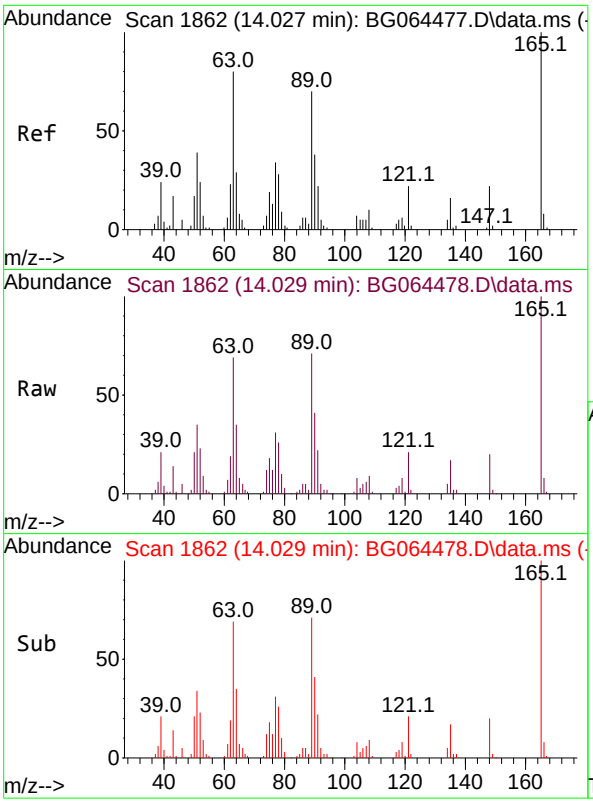


#50
Dimethylphthalate
Concen: 48.884 ng
RT: 13.912 min Scan# 1842
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

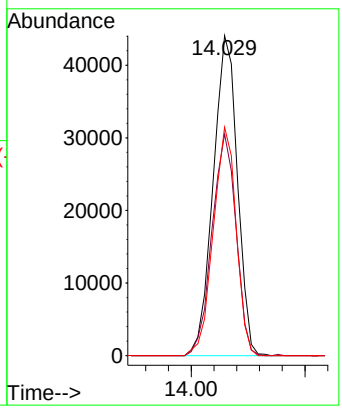




#51
2,6-Dinitrotoluene
Concen: 51.087 ng
RT: 14.029 min Scan# 18
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:165 Resp: 6497

Ion	Ratio	Lower	Upper
165	100		
63	69.2	63.9	95.9
89	71.4	56.1	84.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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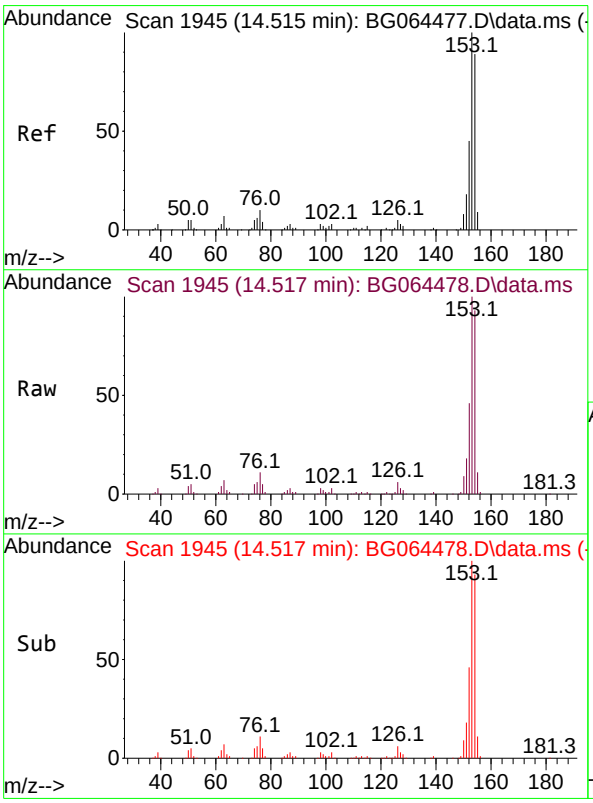
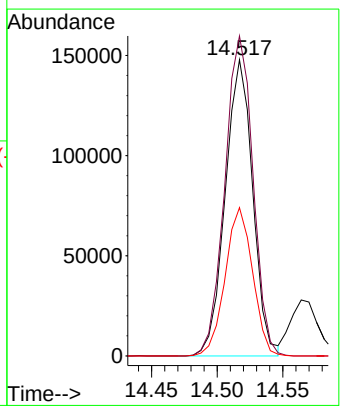
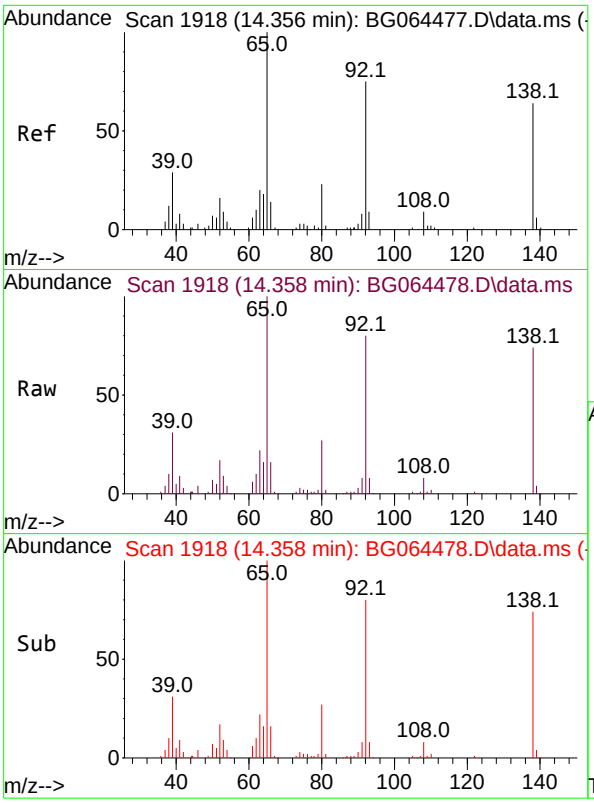


#52
Acenaphthene
Concen: 49.943 ng
RT: 14.517 min Scan# 1945
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

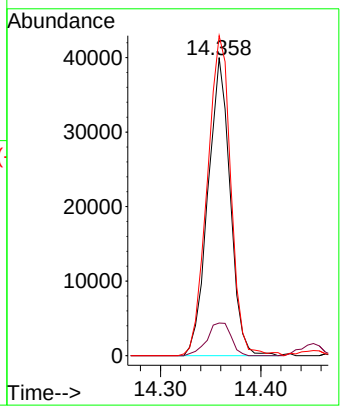




#53
3-Nitroaniline
Concen: 52.305 ng
RT: 14.358 min Scan# 19
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:138 Resp: 6134

Ion	Ratio	Lower	Upper
138	100		
108	10.9	10.6	15.8
92	107.4	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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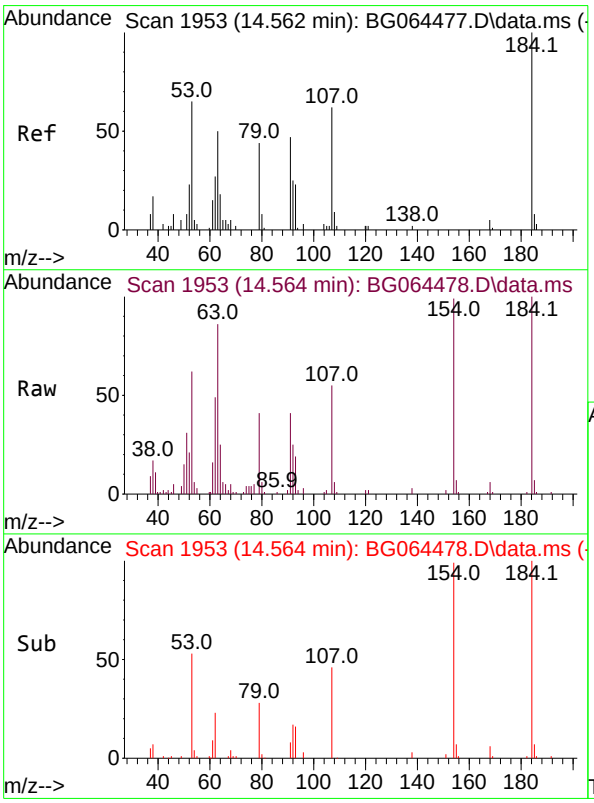
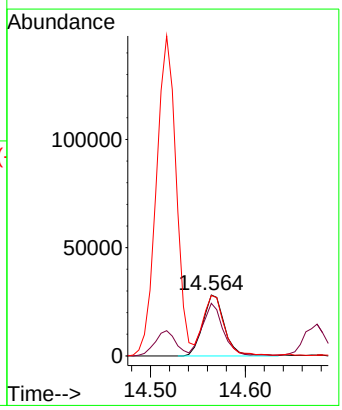
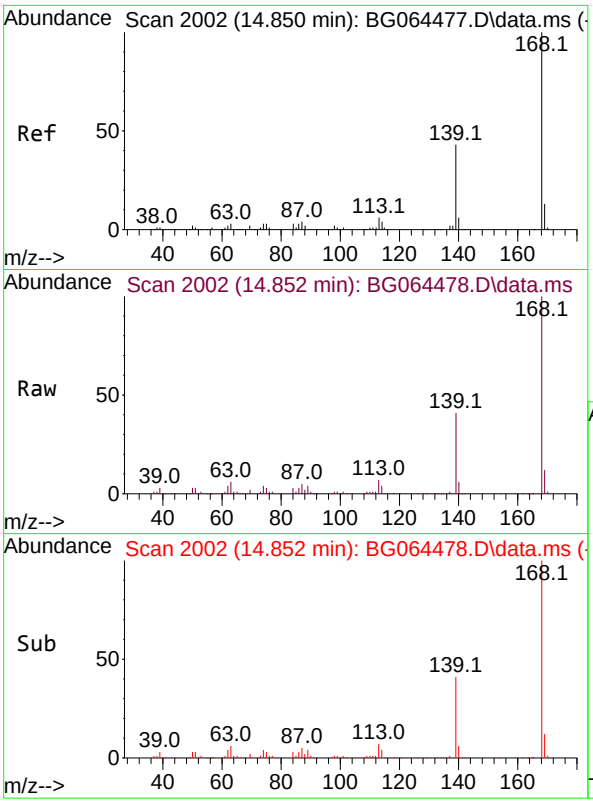


#54
2,4-Dinitrophenol
Concen: 48.222 ng
RT: 14.564 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

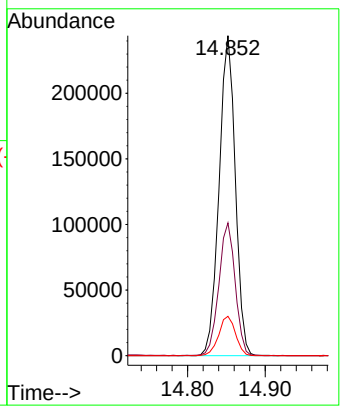




#55
Dibenzofuran
Concen: 49.793 ng
RT: 14.852 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:168 Resp: 35492

Ion	Ratio	Lower	Upper
168	100		
139	41.5	34.0	51.0
169	12.3	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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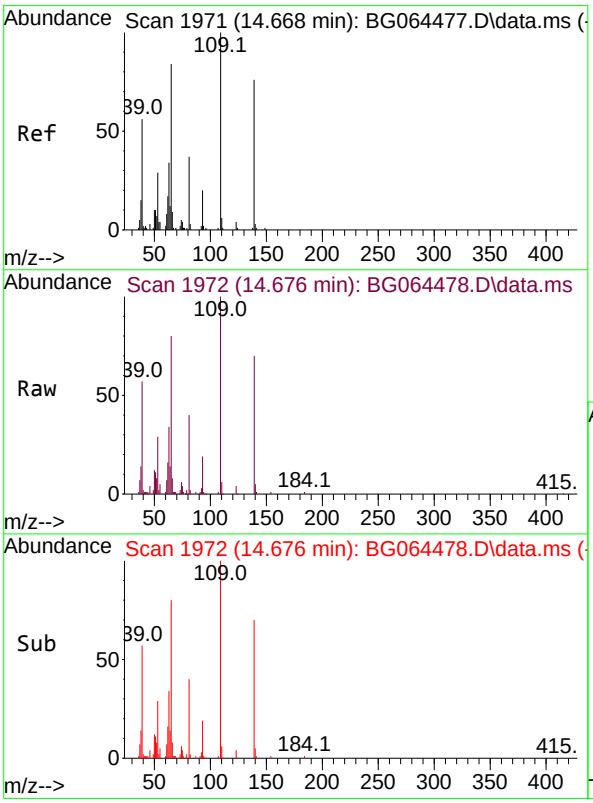
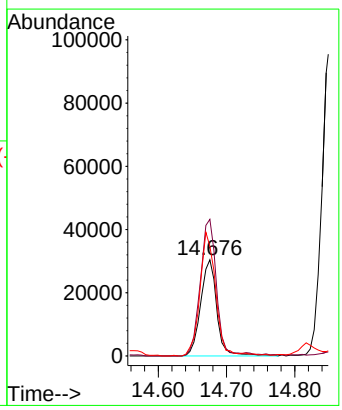
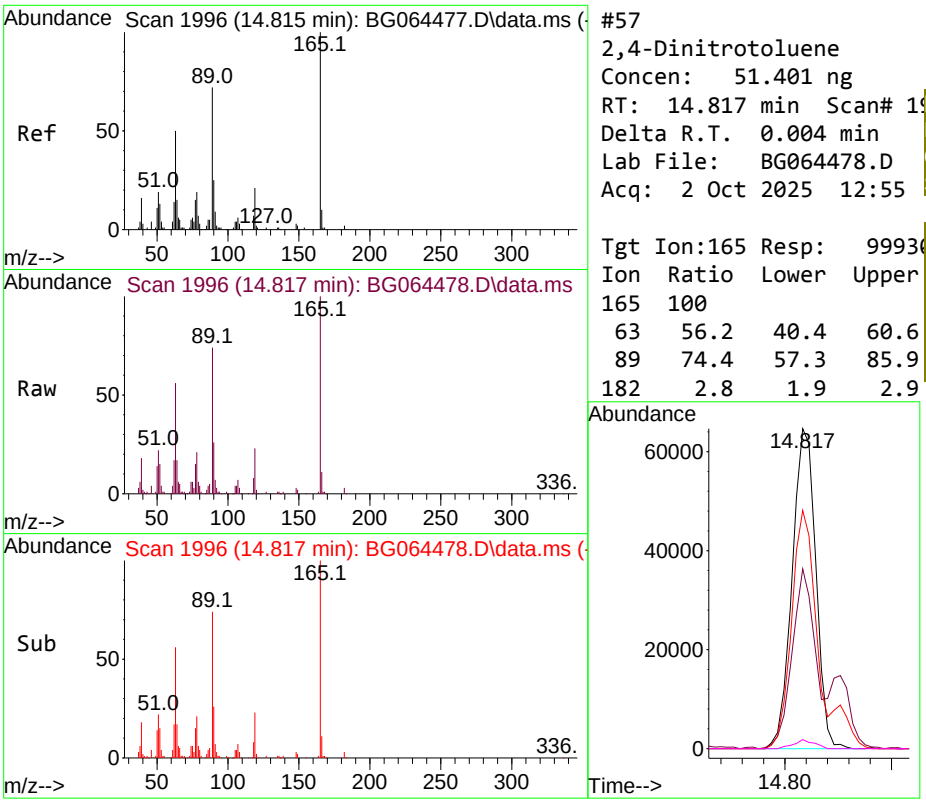


#56
4-Nitrophenol
Concen: 54.092 ng
RT: 14.676 min Scan# 1972
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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# 19
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:165 Resp: 9993

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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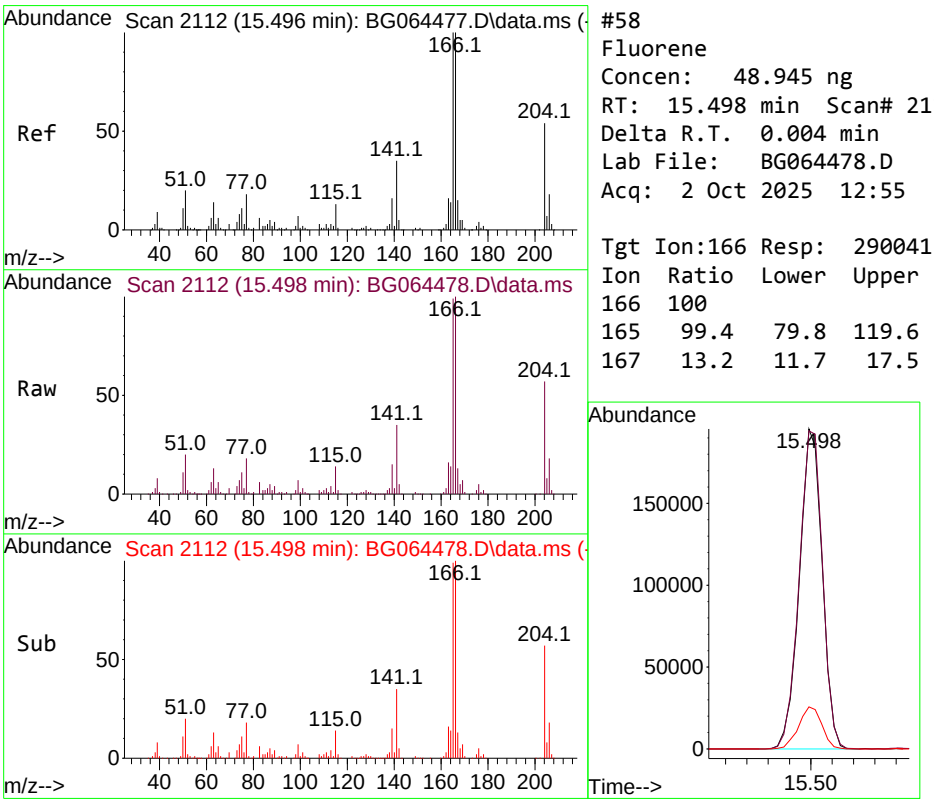
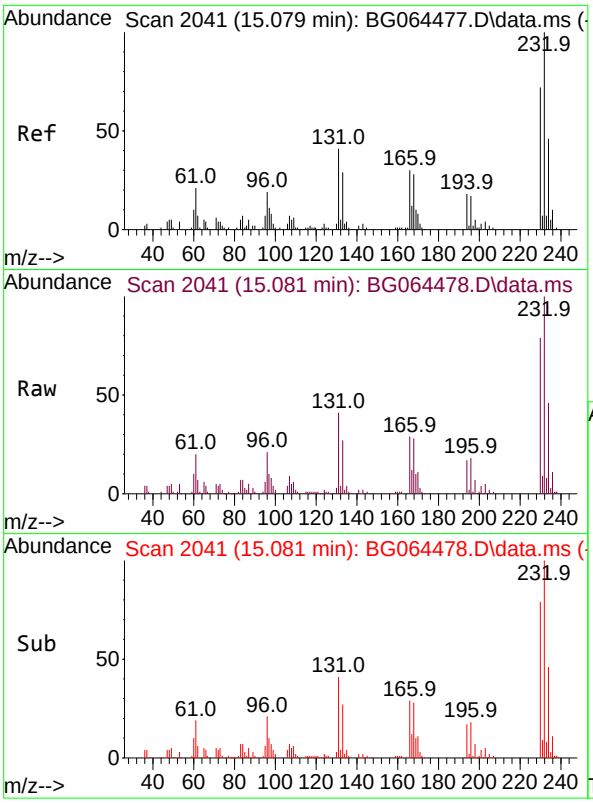


#58
Fluorene
Concen: 48.945 ng
RT: 15.498 min Scan# 2112
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:166 Resp: 290041

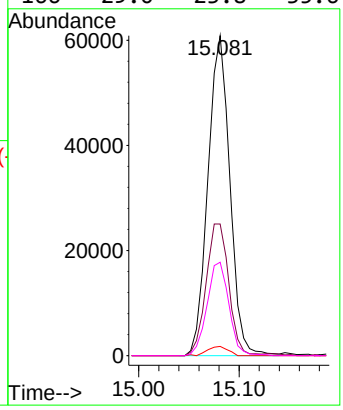
Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.8	119.6
167	13.2	11.7	17.5



#59
2,3,4,6-Tetrachlorophenol
Concen: 50.511 ng
RT: 15.081 min Scan# 20
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:232 Resp: 9259

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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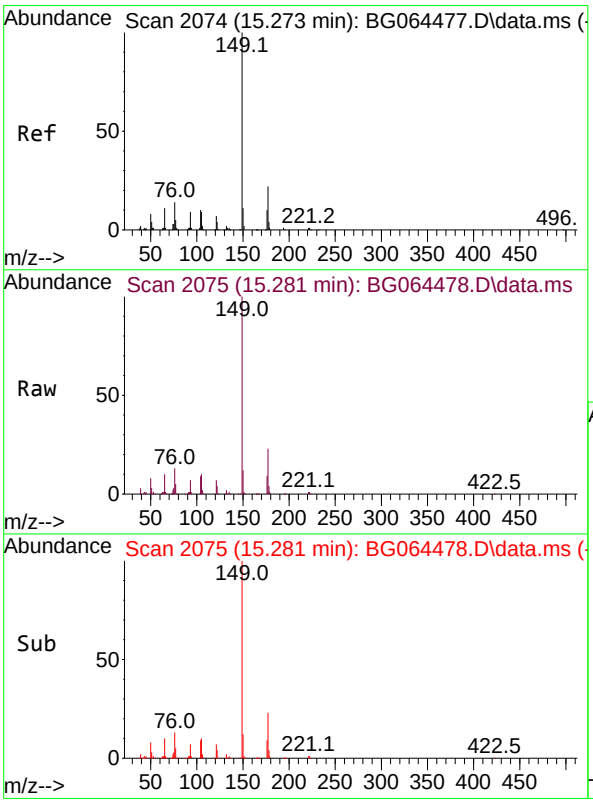
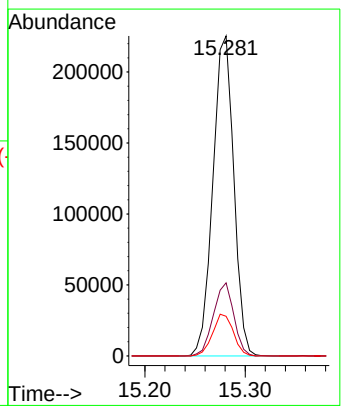
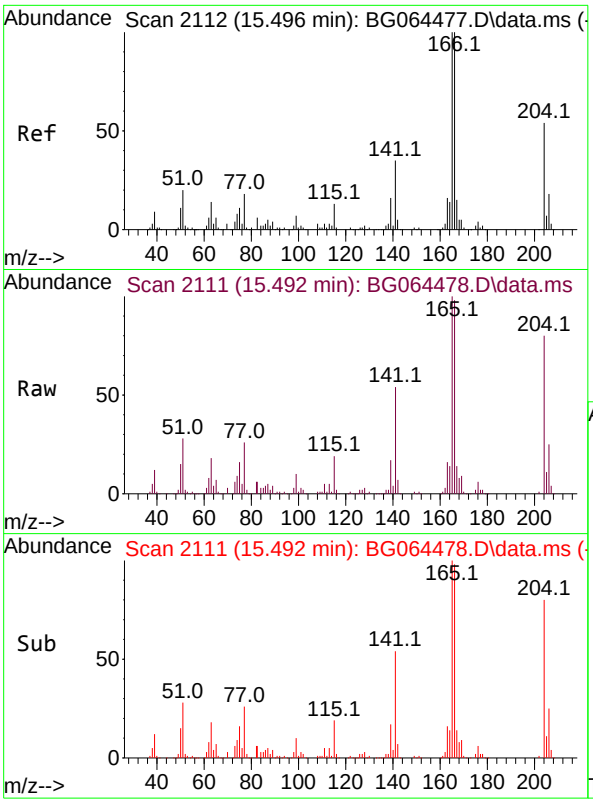


#60
Diethylphthalate
Concen: 49.833 ng
RT: 15.281 min Scan# 2075
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:149 Resp: 326367

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

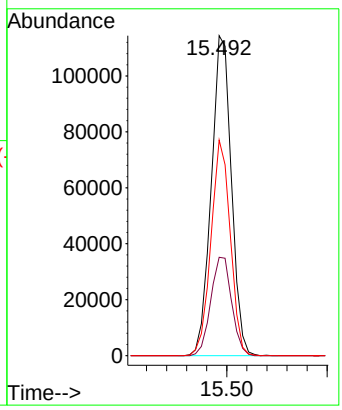




#61
4-Chlorophenyl-phenylether
Concen: 49.191 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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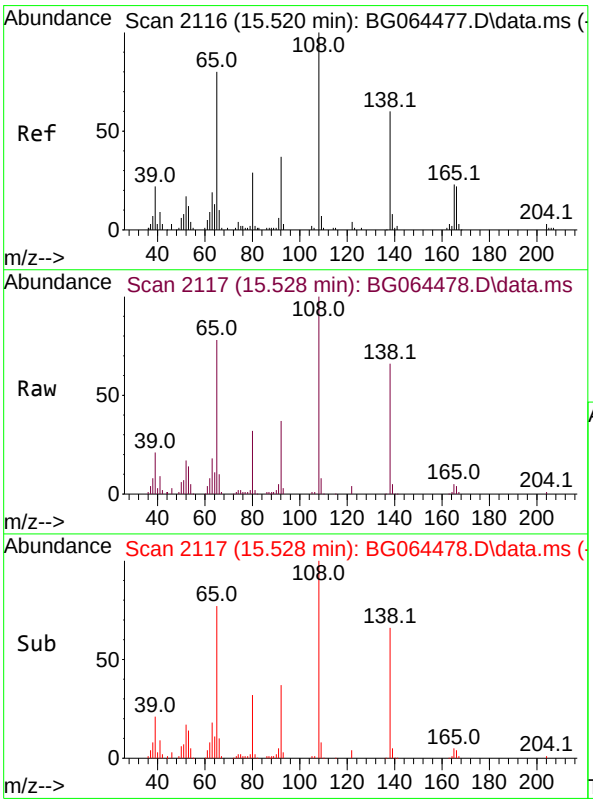
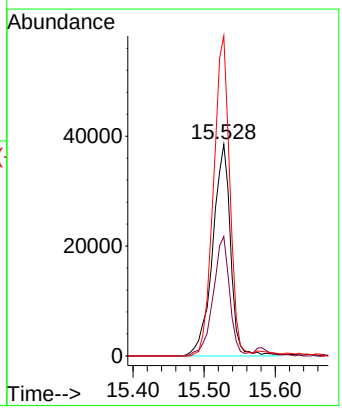
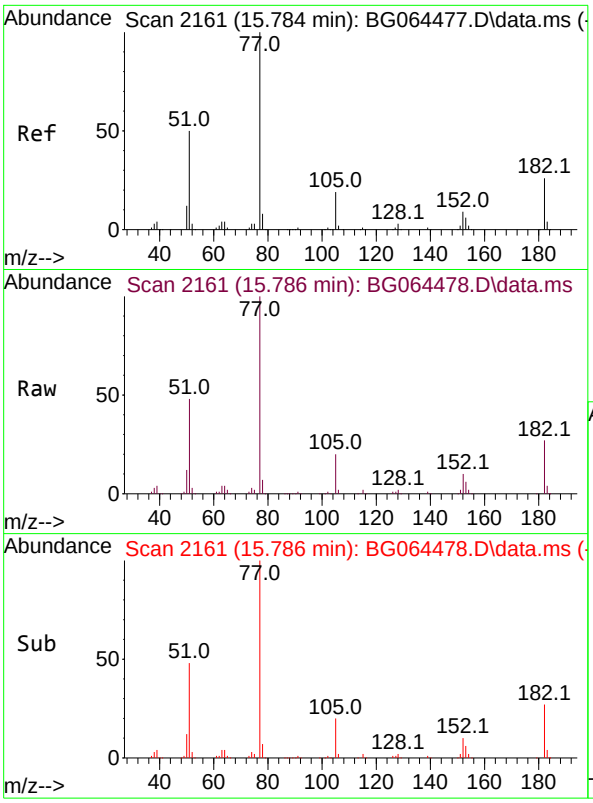


#62
4-Nitroaniline
Concen: 55.050 ng
RT: 15.528 min Scan# 2117
Delta R.T. 0.016 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

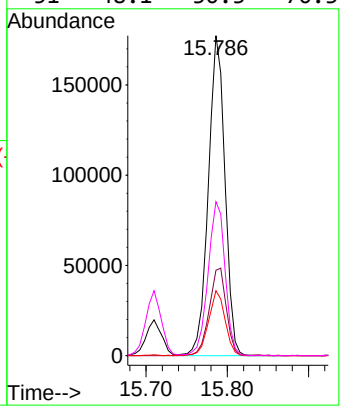




#63
Azobenzene
Concen: 49.764 ng
RT: 15.786 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
BNA_G
ClientSampleId :
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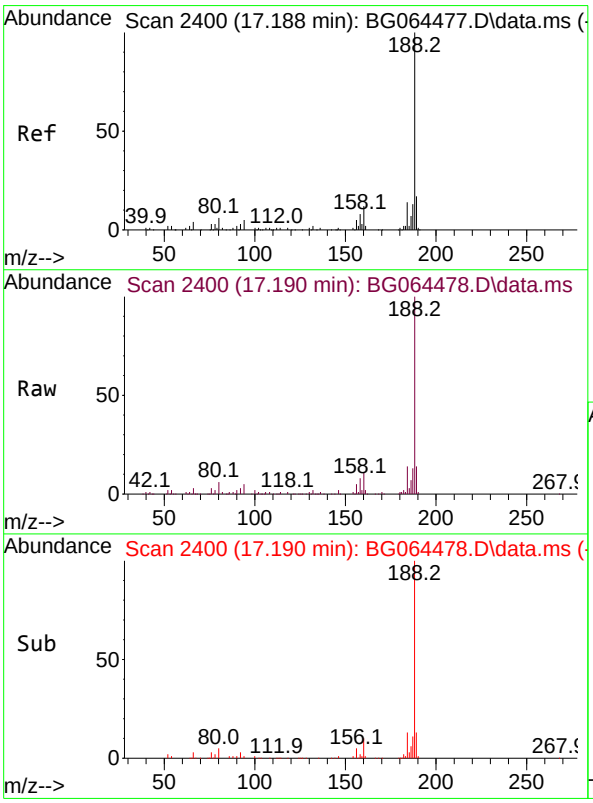
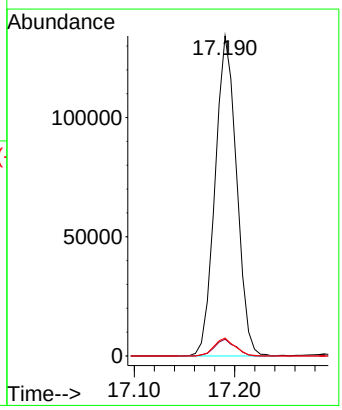
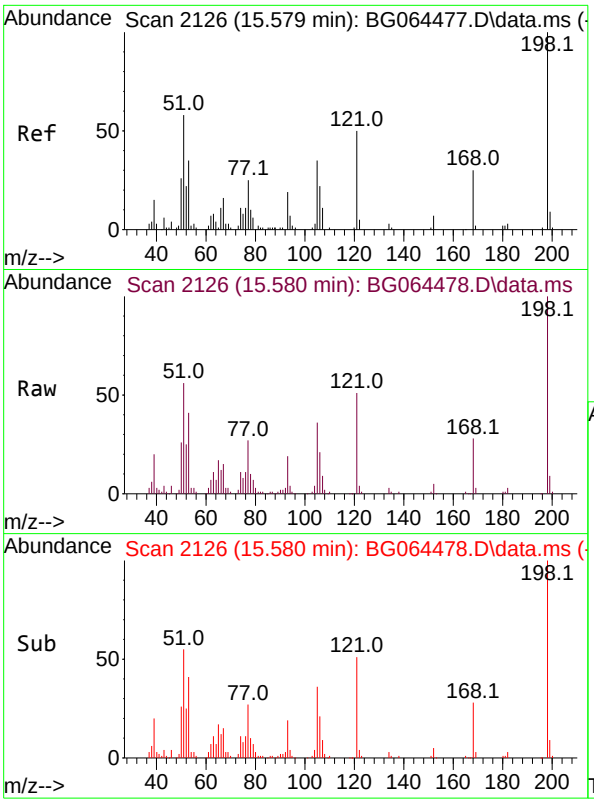


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

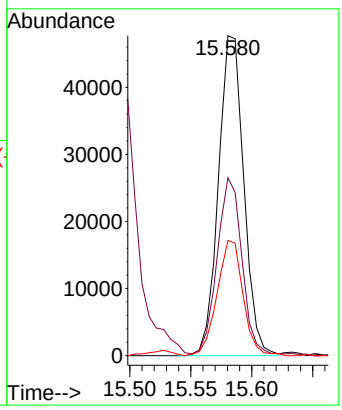




#65
4,6-Dinitro-2-methylphenol
Concen: 49.467 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:198 Resp: 6900

Ion	Ratio	Lower	Upper
198	100		
51	55.6	39.0	79.0
105	36.0	15.8	55.8



Instrument :
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ClientSampleId :
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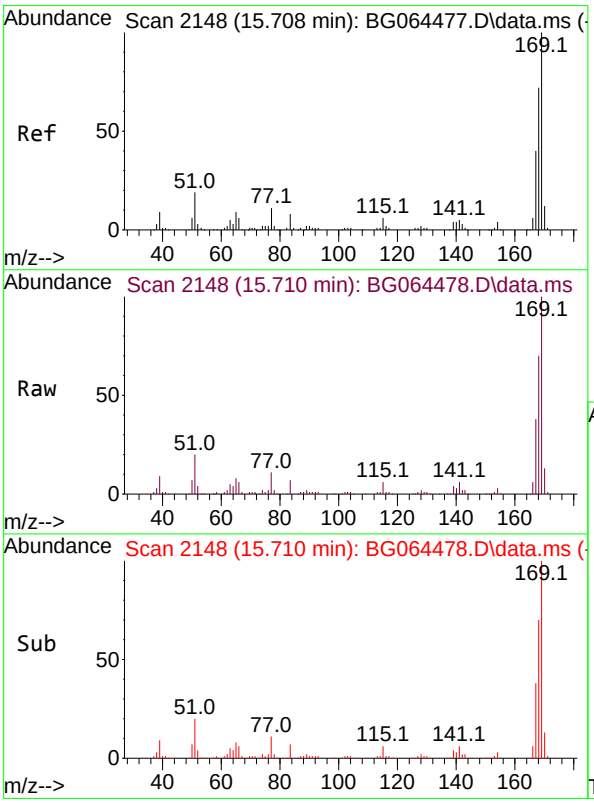
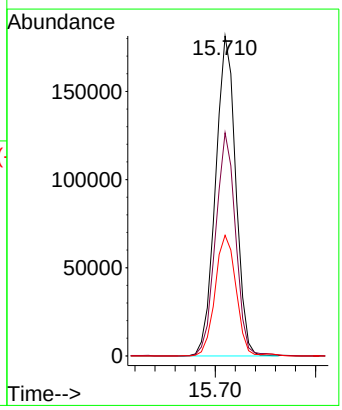
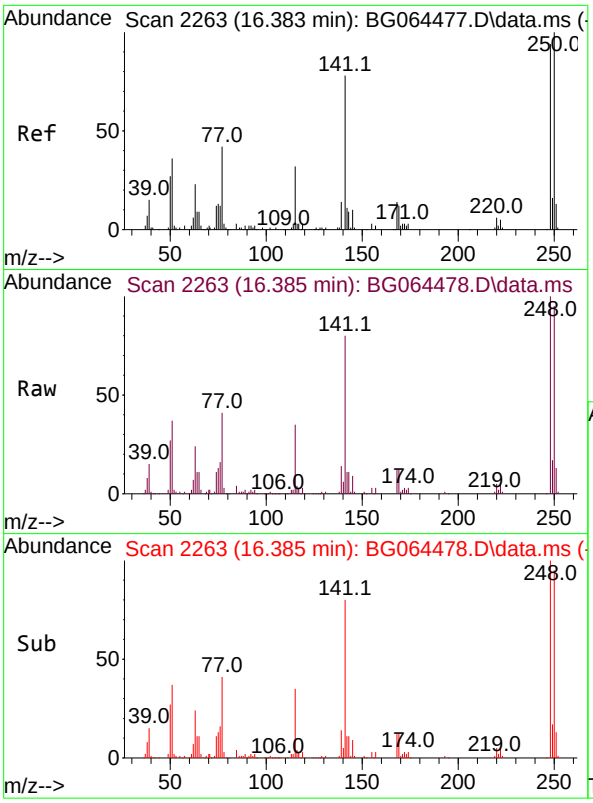


#66
n-Nitrosodiphenylamine
Concen: 47.518 ng
RT: 15.710 min Scan# 2148
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

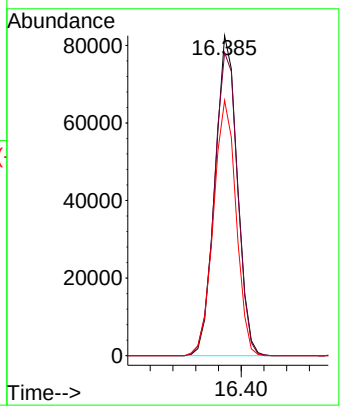




#67
4-Bromophenyl-phenylether
Concen: 47.653 ng
RT: 16.385 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:248 Resp: 11235

Ion	Ratio	Lower	Upper
248	100		
250	94.7	85.3	127.9
141	79.7	66.2	99.2



Instrument :
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ClientSampleId :
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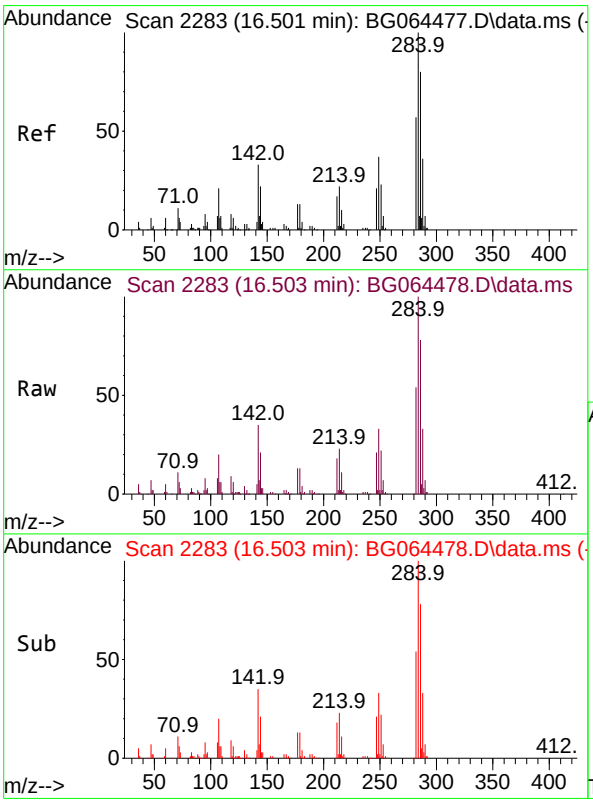
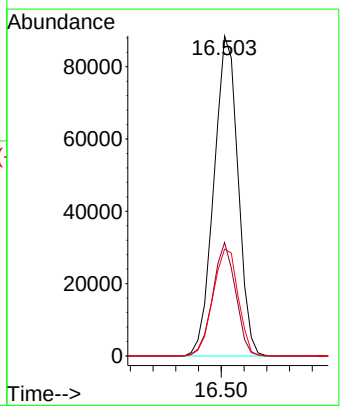
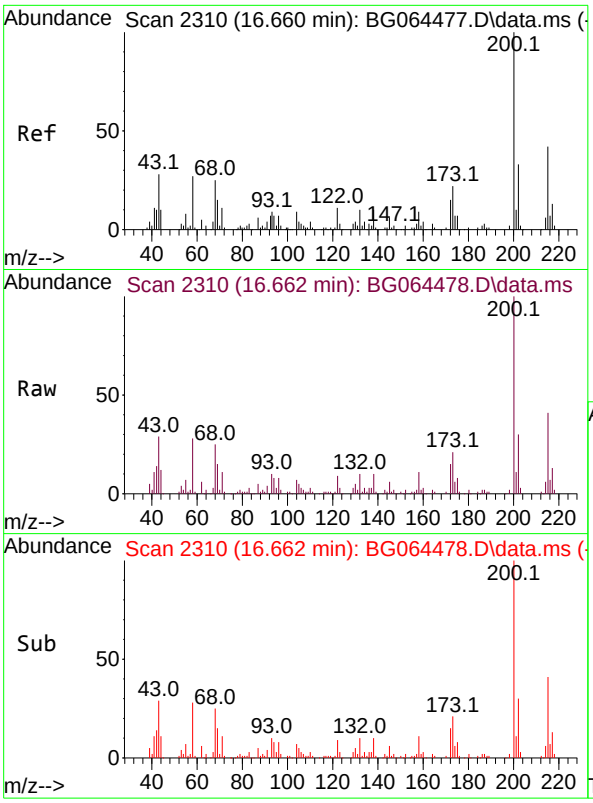


#68
Hexachlorobenzene
Concen: 48.208 ng
RT: 16.503 min Scan# 2283
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

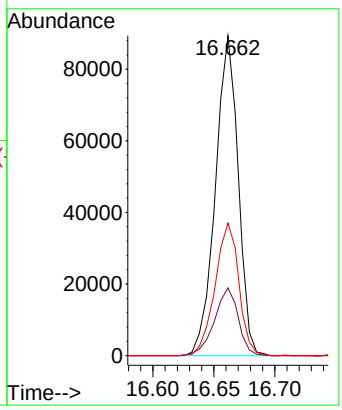




#69
Atrazine
Concen: 48.772 ng
RT: 16.662 min Scan# 2
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
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ClientSampleId :
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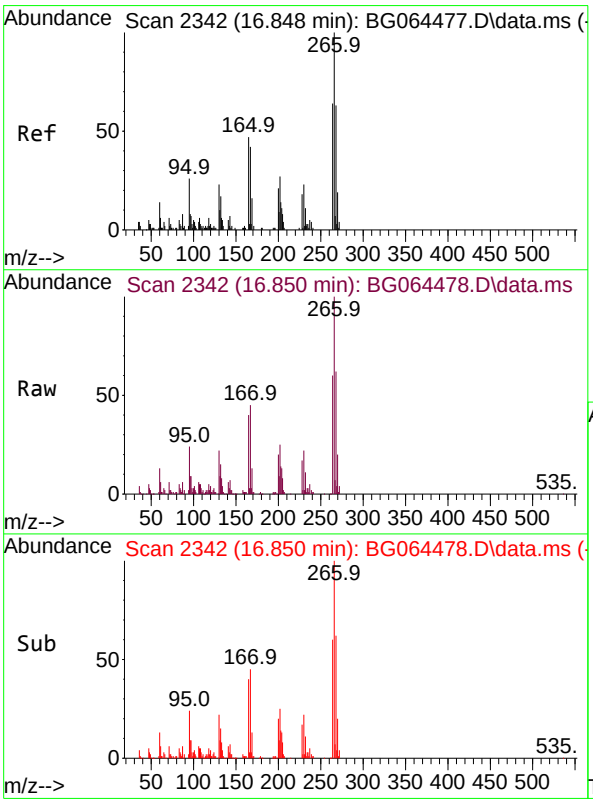
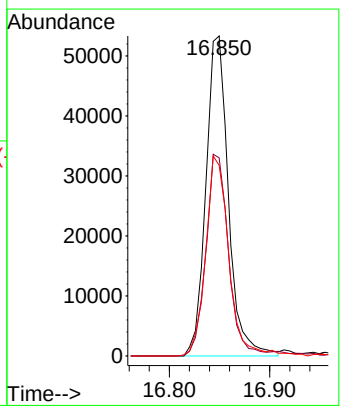
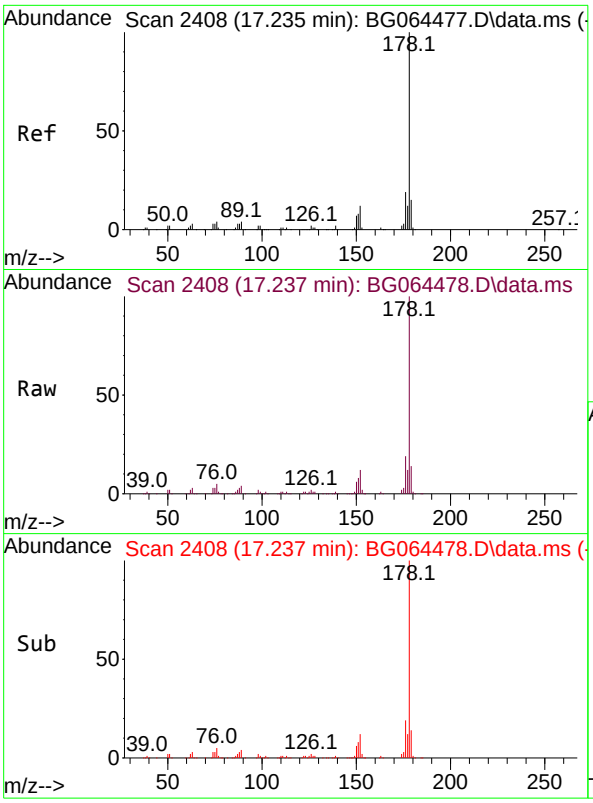


#70
Pentachlorophenol
Concen: 52.695 ng
RT: 16.850 min Scan# 2342
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

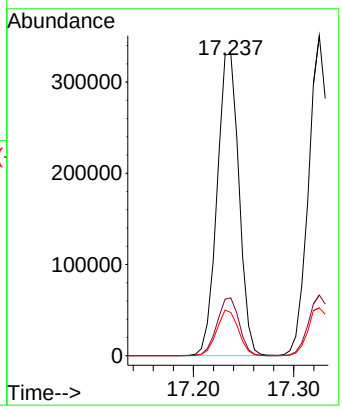




#71
Phenanthrene
Concen: 47.904 ng
RT: 17.237 min Scan# 24
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:178 Resp: 501941

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	14.3	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
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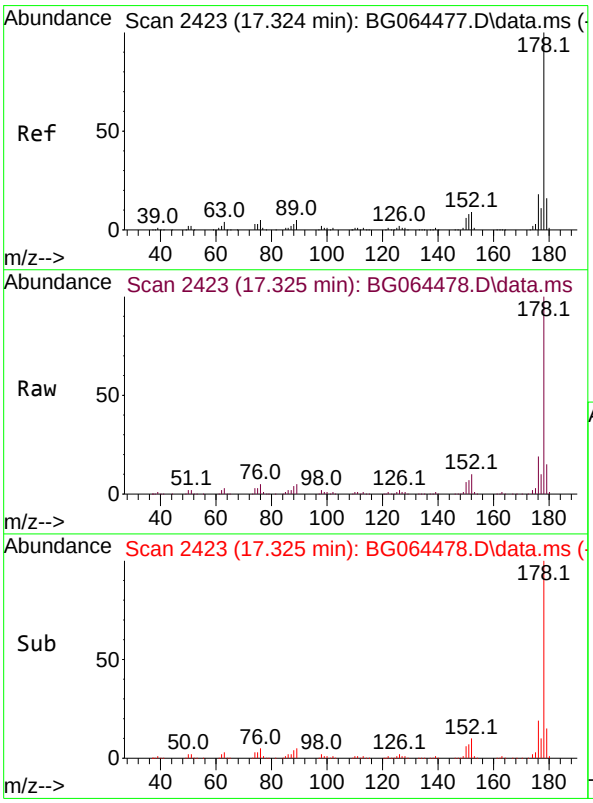
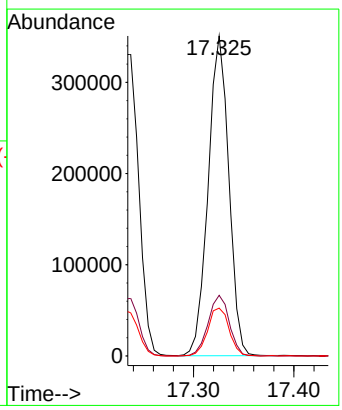
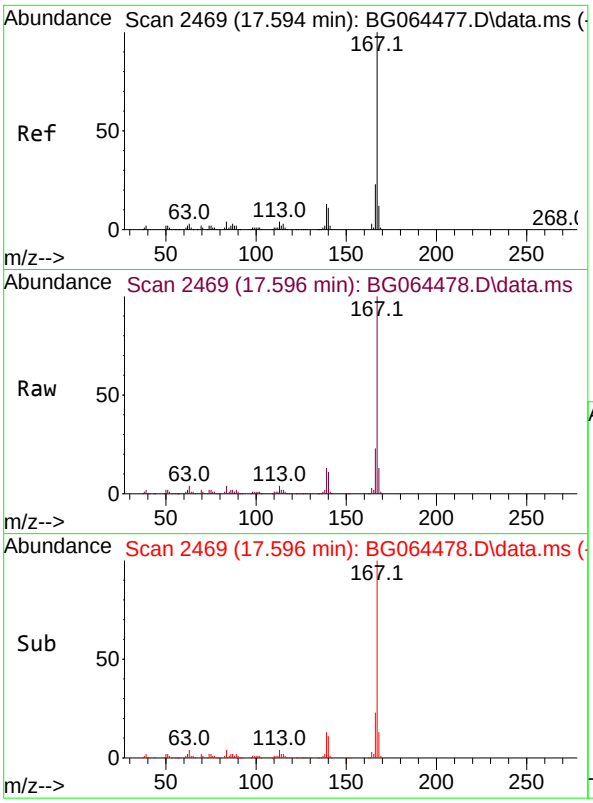


#72
Anthracene
Concen: 47.688 ng
RT: 17.325 min Scan# 2423
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

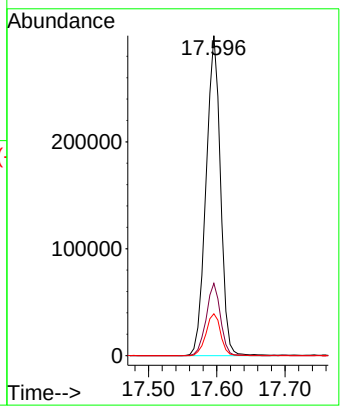




#73
Carbazole
Concen: 48.370 ng
RT: 17.596 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:167 Resp: 43949

Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.6	27.8
139	13.1	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
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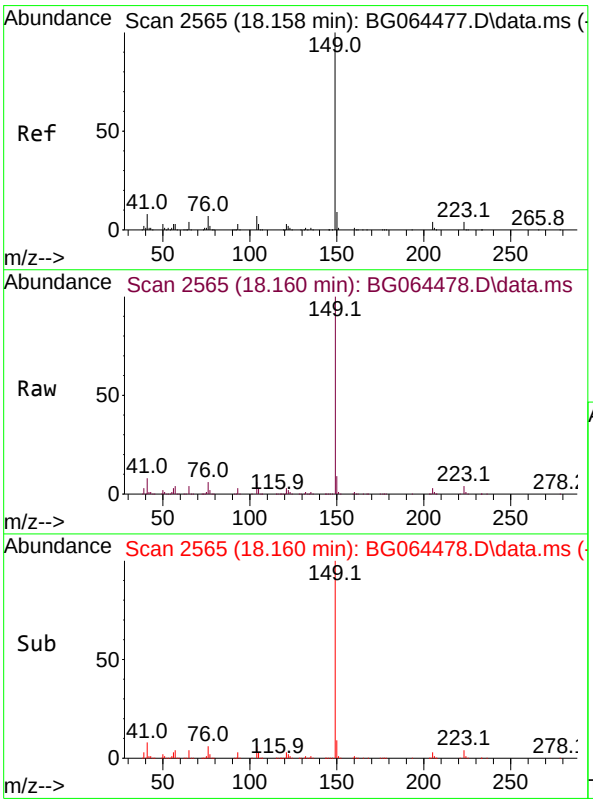
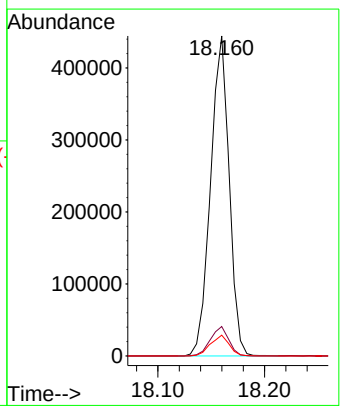
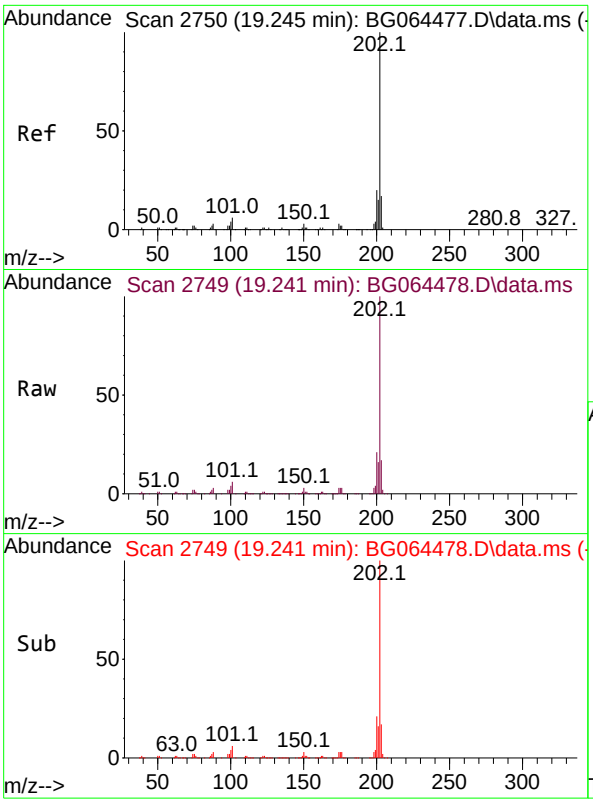


#74
Di-n-butylphthalate
Concen: 48.585 ng
RT: 18.160 min Scan# 2565
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

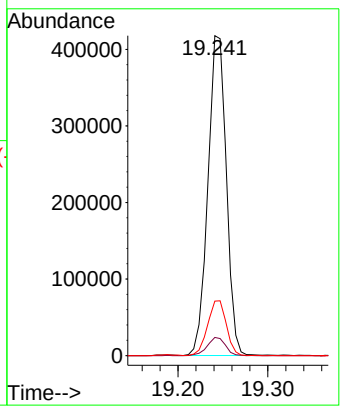




#75
Fluoranthene
Concen: 47.718 ng
RT: 19.241 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
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ClientSampleId :
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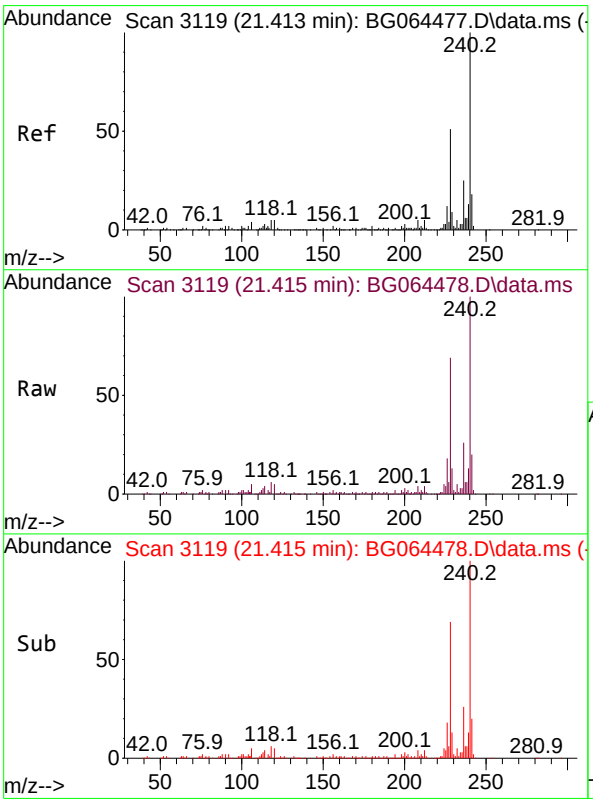
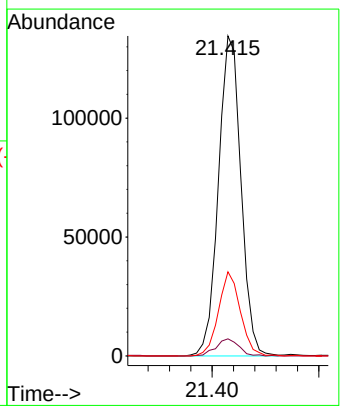
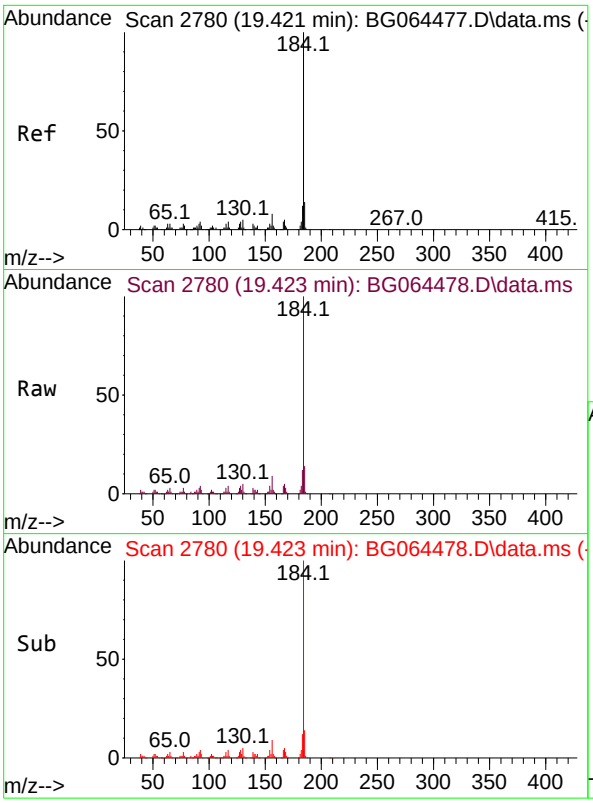


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3119
Delta R.T. 0.005 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

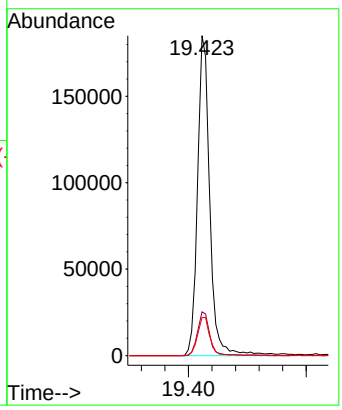




#77
Benzidine
Concen: 54.213 ng
RT: 19.423 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:184 Resp: 26673

Ion	Ratio	Lower	Upper
184	100		
185	13.7	10.9	16.3
183	11.9	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
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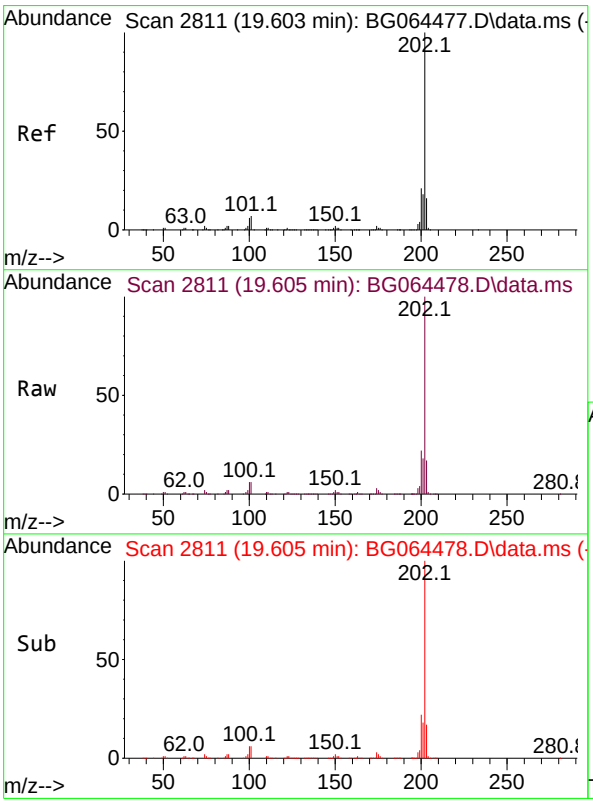
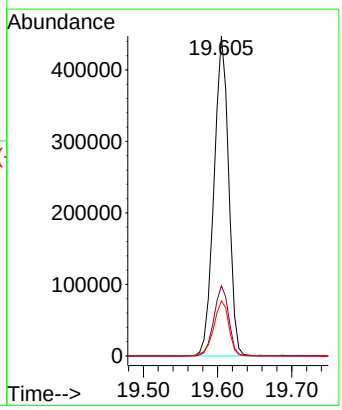
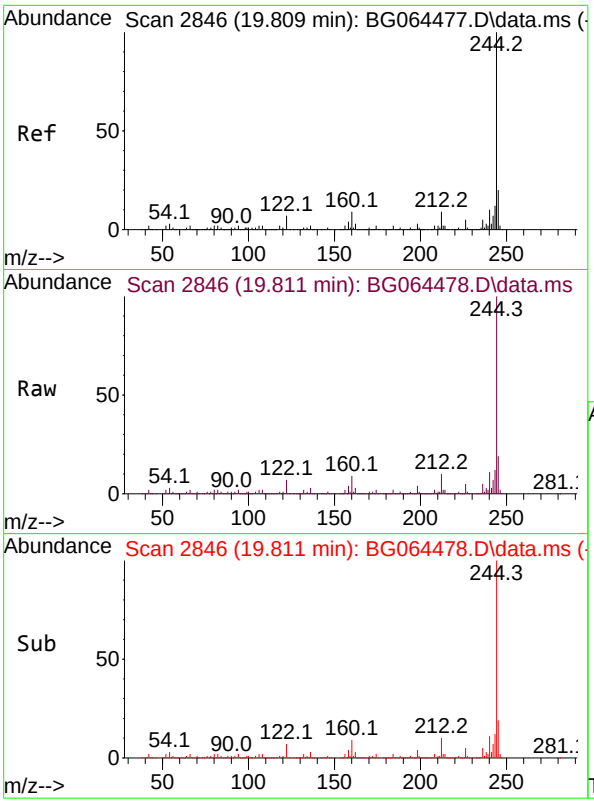


#78
Pyrene
Concen: 47.828 ng
RT: 19.605 min Scan# 2811
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

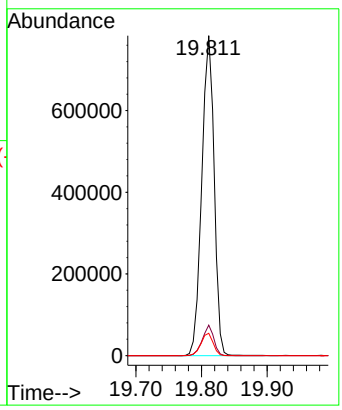




#79
Terphenyl-d14
Concen: 97.457 ng
RT: 19.811 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:244 Resp: 101821

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.0	10.6
122	7.0	5.6	8.4



Instrument :
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ClientSampleId :
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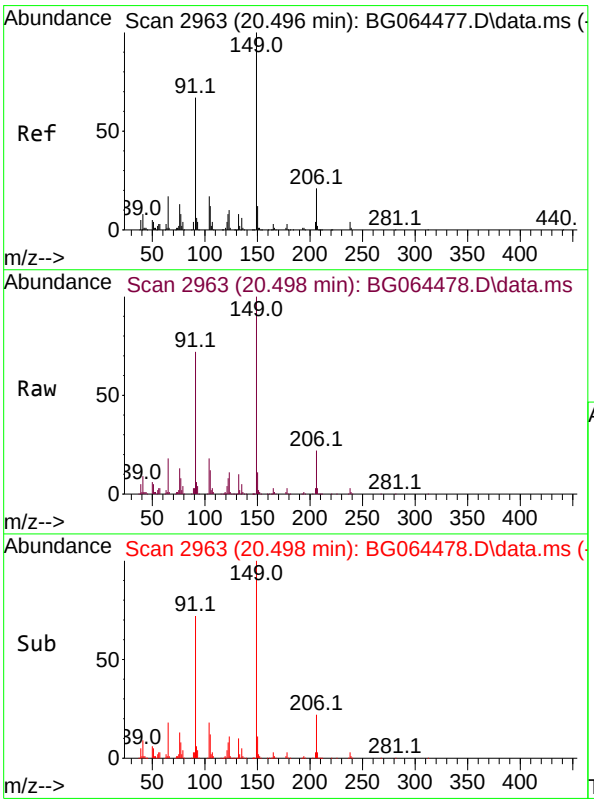
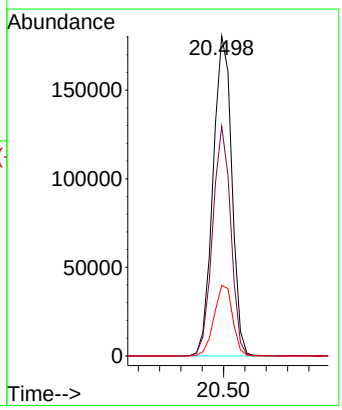
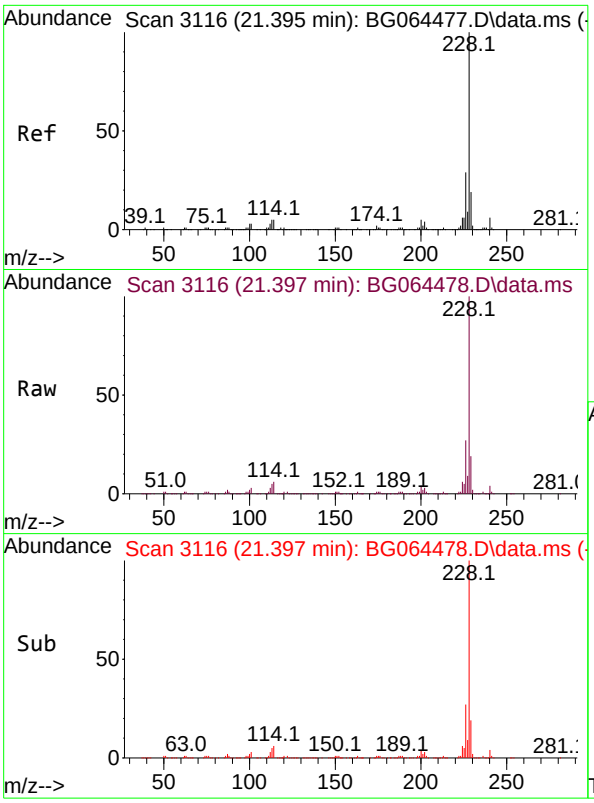


#80
Butylbenzylphthalate
Concen: 48.623 ng
RT: 20.498 min Scan# 2963
Delta R.T. -0.001 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

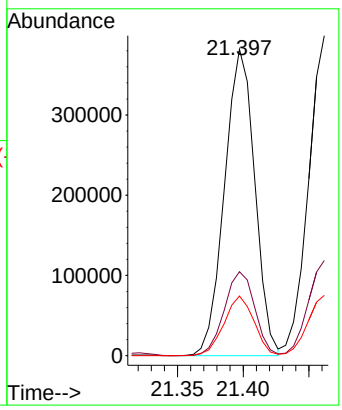




#81
Benzo(a)anthracene
Concen: 48.464 ng
RT: 21.397 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:228 Resp: 61185

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.8	34.2
229	19.5	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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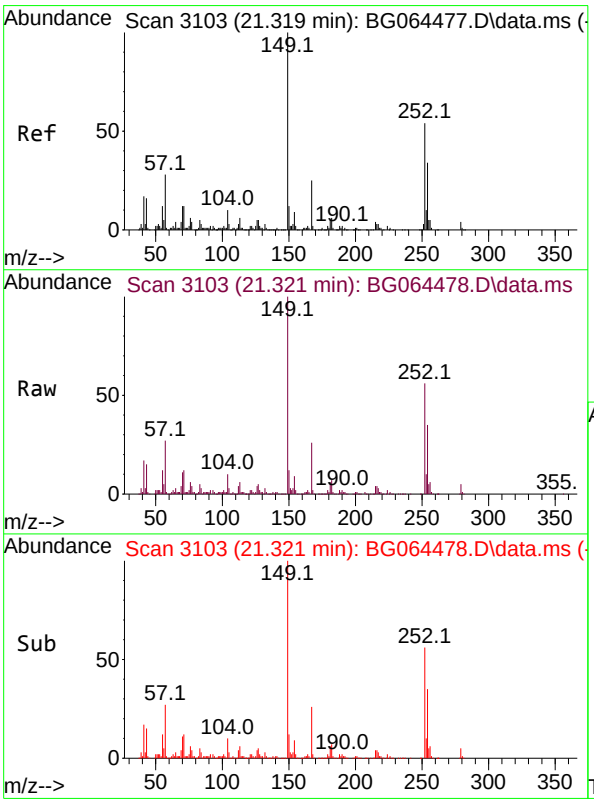
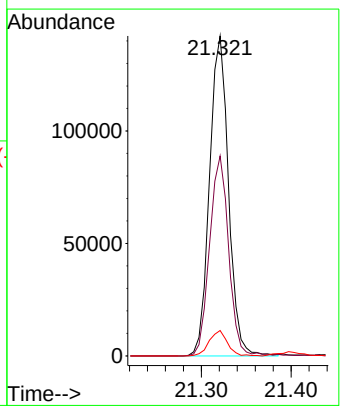
Supervised By :Jagrut Upadhyay 10/03/2025

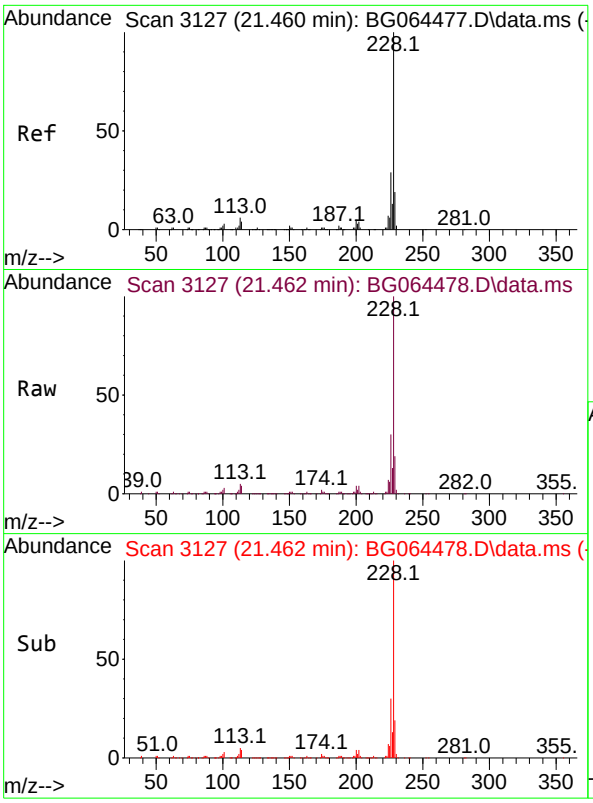


#82
3,3'-Dichlorobenzidine
Concen: 48.899 ng
RT: 21.321 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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# 31
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:228 Resp: 57958

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.8	34.2
229	18.8	15.4	23.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
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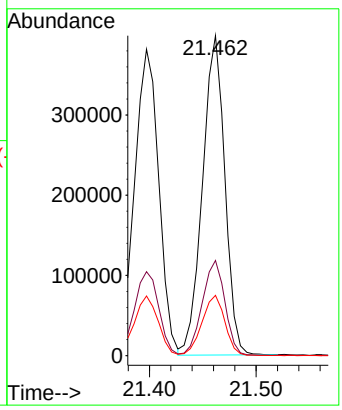
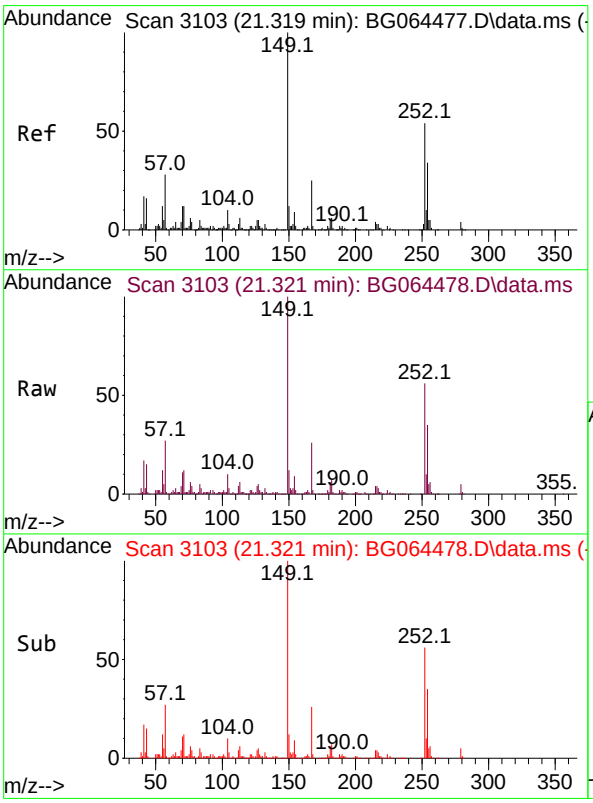
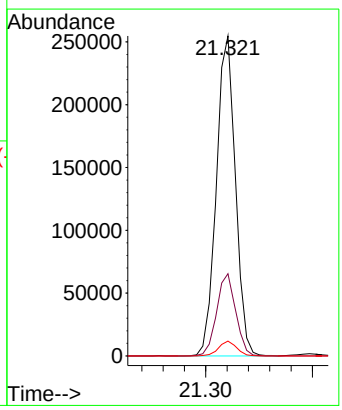


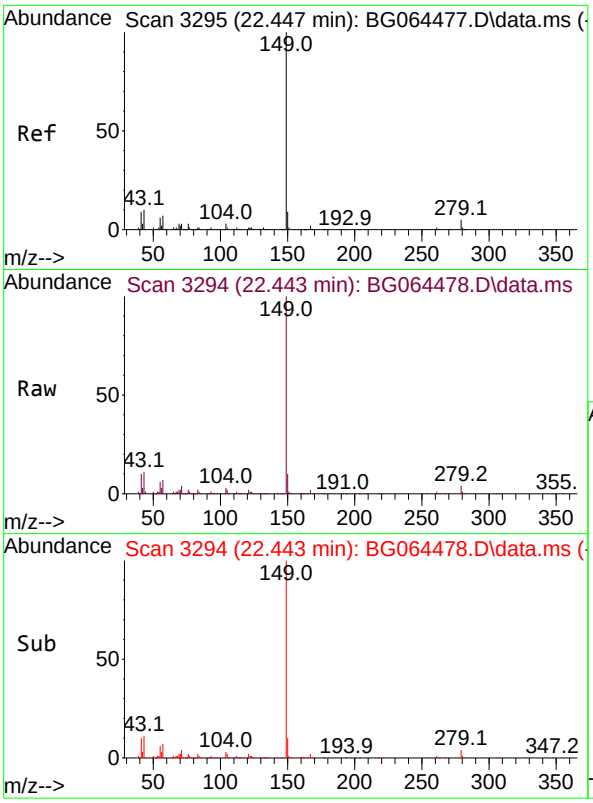


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.393 ng
RT: 21.321 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

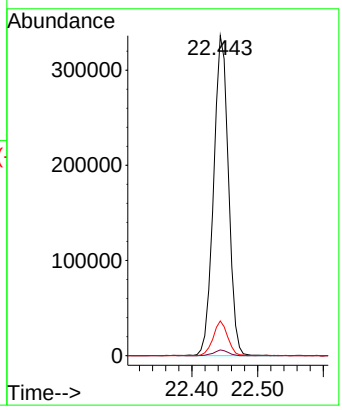




#85
Di-n-octyl phthalate
Concen: 49.179 ng
RT: 22.443 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
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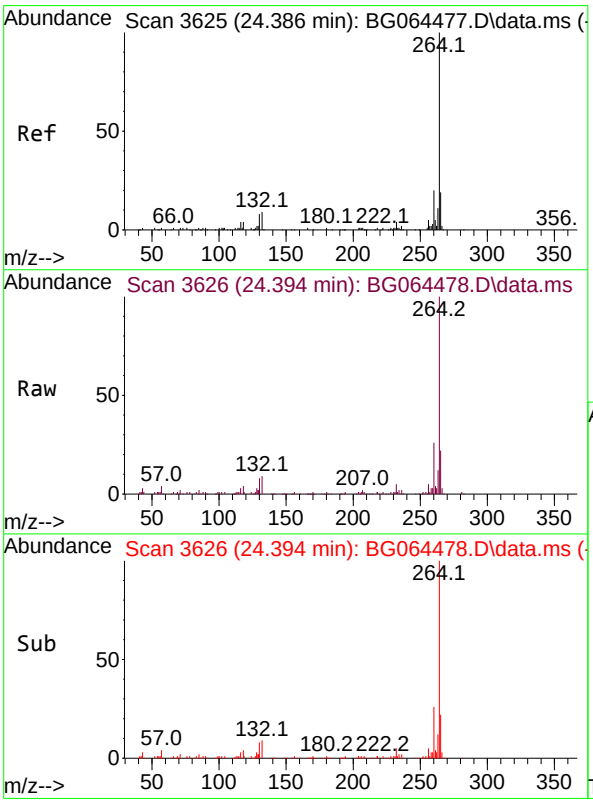
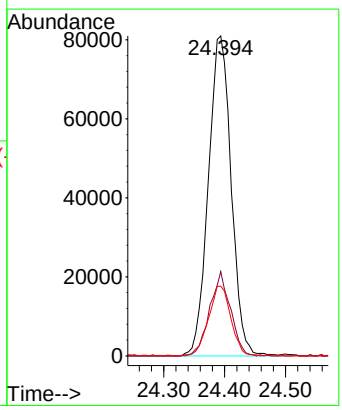
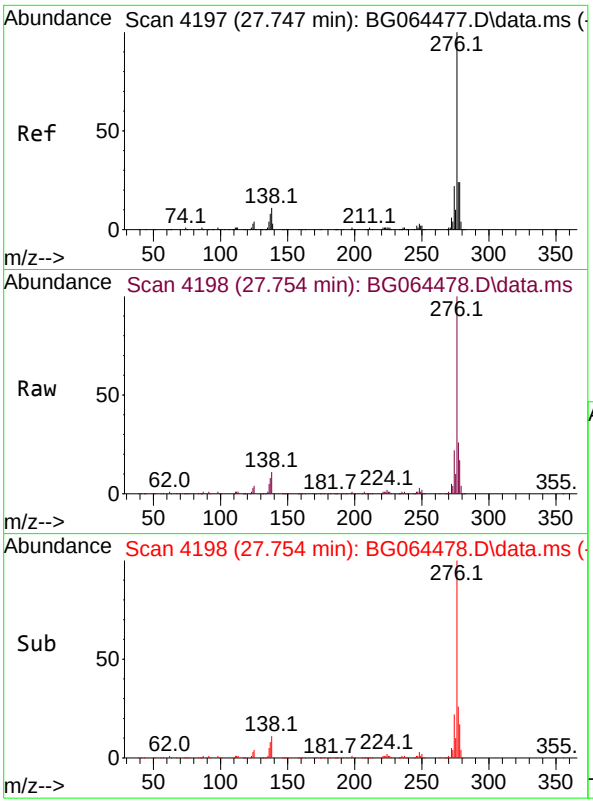


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.394 min Scan# 3626
Delta R.T. 0.004 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

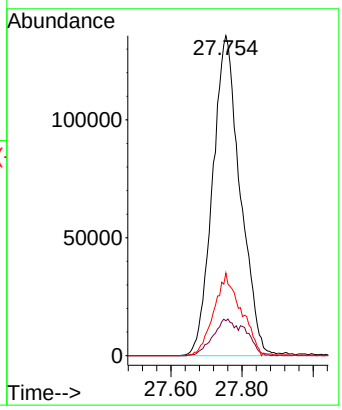




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.822 ng
RT: 27.754 min Scan# 41
Delta R.T. 0.022 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:276 Resp: 73185

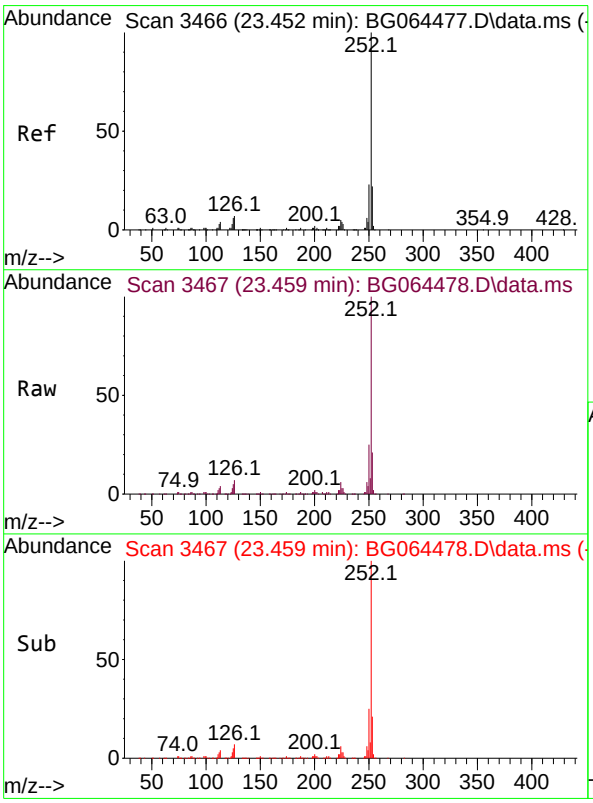
Ion	Ratio	Lower	Upper
276	100		
138	9.5	10.8	16.2#
277	25.3	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

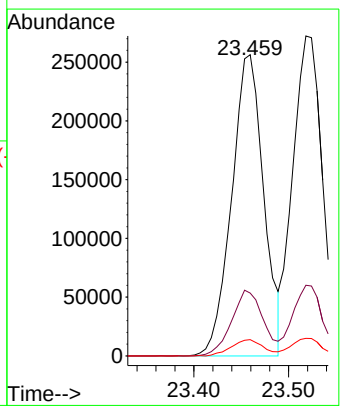
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

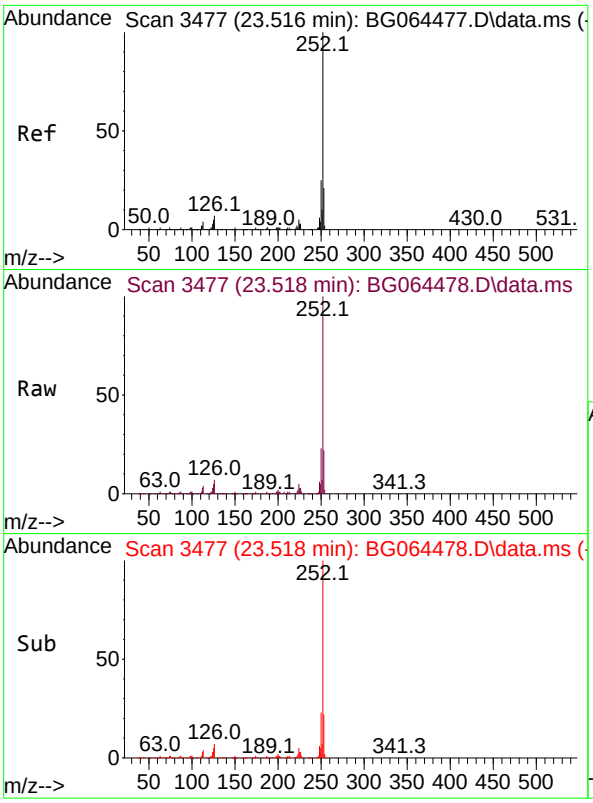


#88
Benzo(b)fluoranthene
Concen: 50.163 ng
RT: 23.459 min Scan# 3467
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

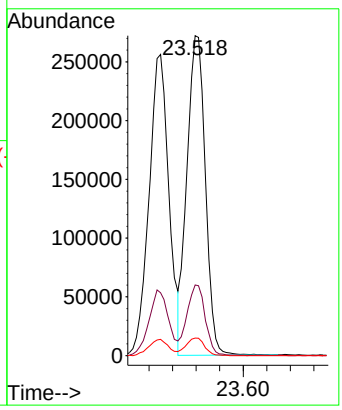




#89
Benzo(k)fluoranthene
Concen: 49.006 ng
RT: 23.518 min Scan# 34
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:252 Resp: 59257

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	5.5	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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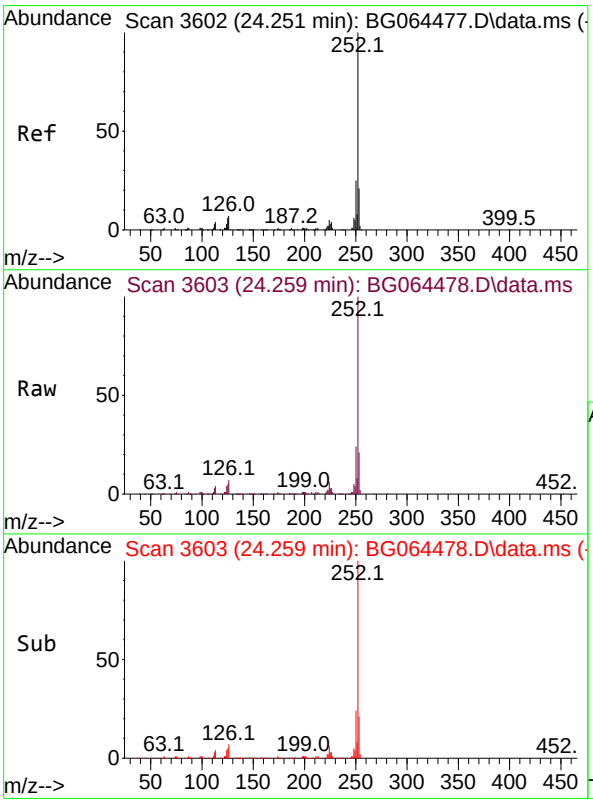
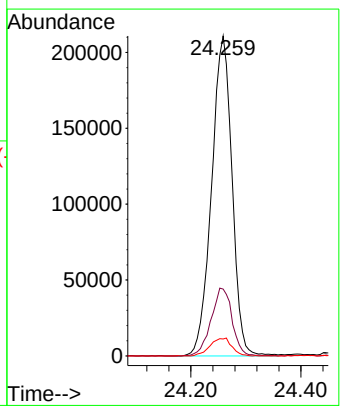
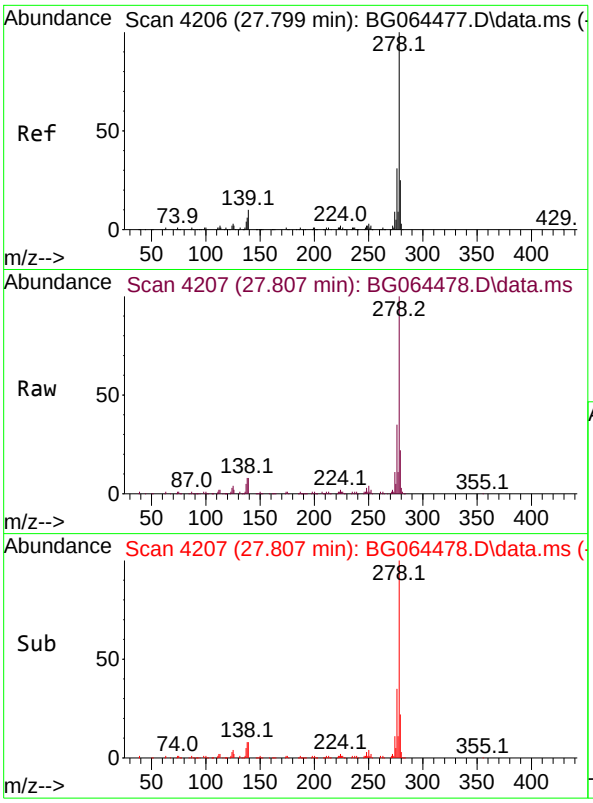


#90
Benzo(a)pyrene
Concen: 49.152 ng
RT: 24.259 min Scan# 3603
Delta R.T. 0.010 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

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

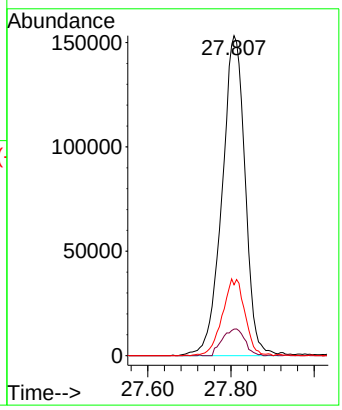




#91
Dibenzo(a,h)anthracene
Concen: 50.092 ng
RT: 27.807 min Scan# 4
Delta R.T. 0.028 min
Lab File: BG064478.D
Acq: 2 Oct 2025 12:55

Tgt Ion:278 Resp: 58844

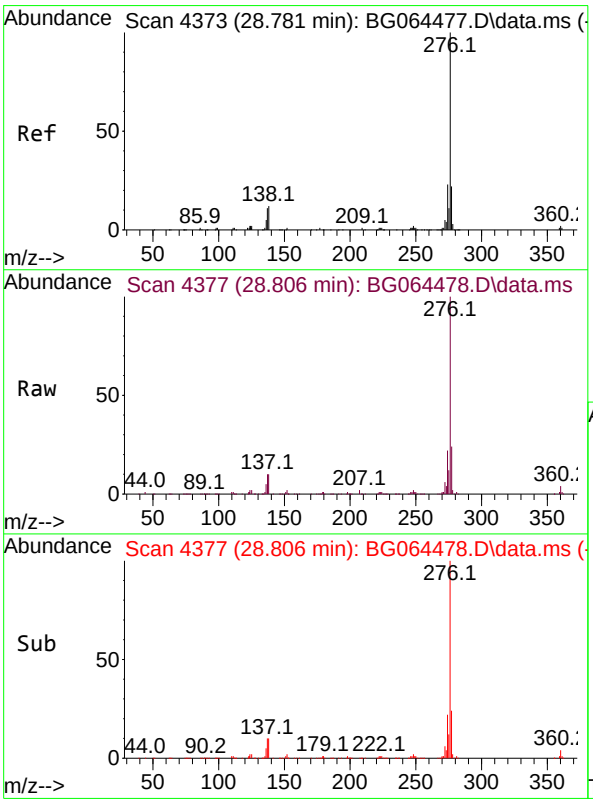
Ion	Ratio	Lower	Upper
278	100		
139	8.3	8.2	12.2
279	22.1	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

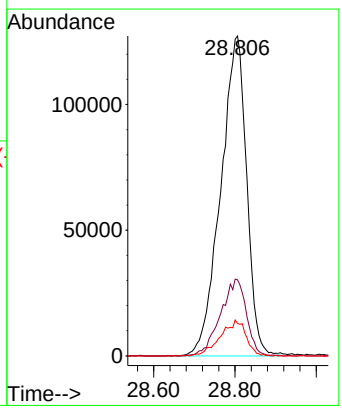
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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

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

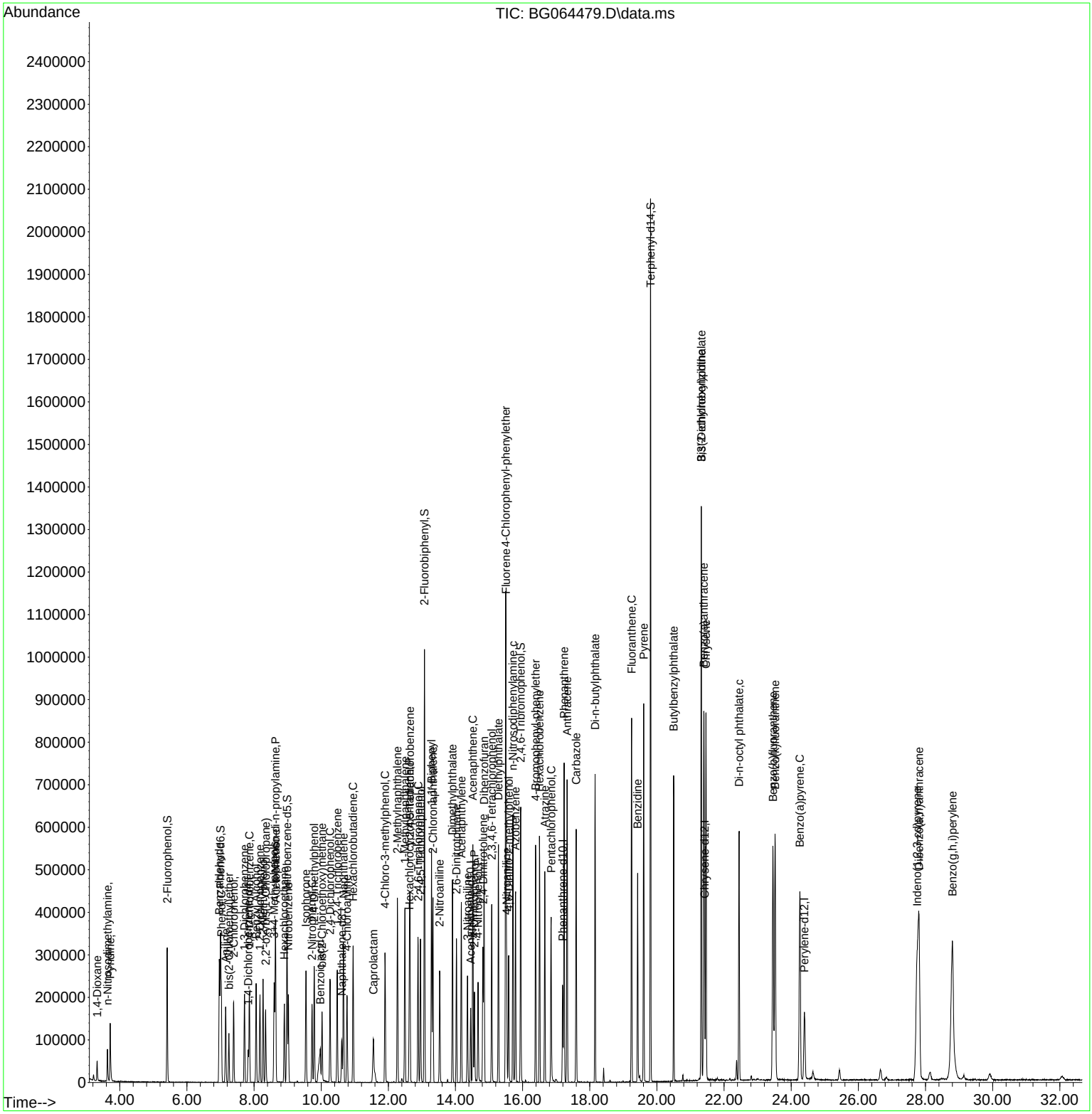
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064479.D
Acq On : 2 Oct 2025 13:35
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

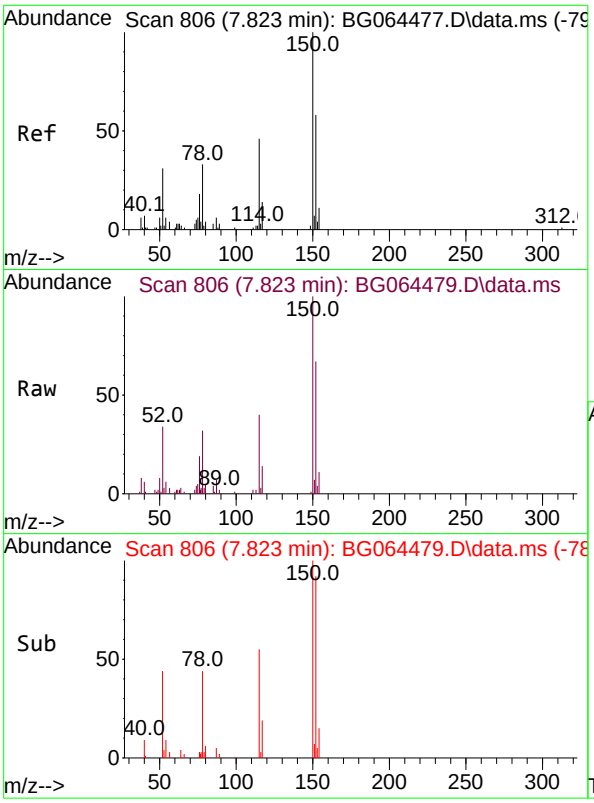
Quant Time: Oct 02 16:53:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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

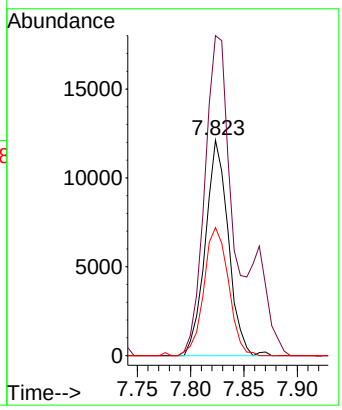




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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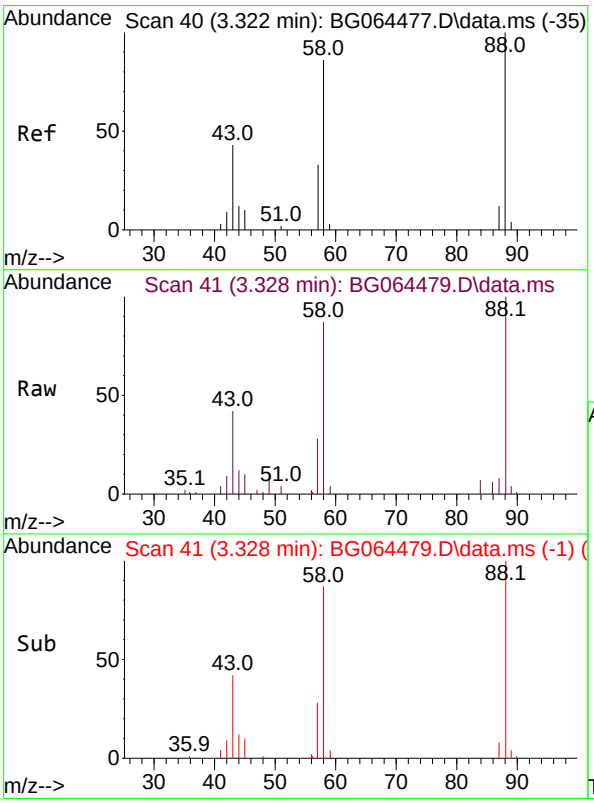
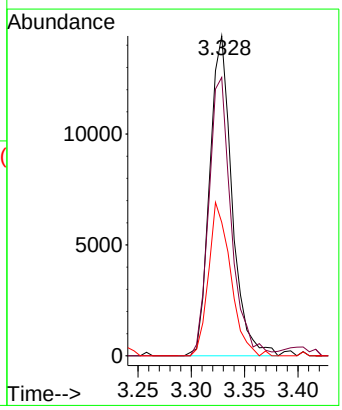
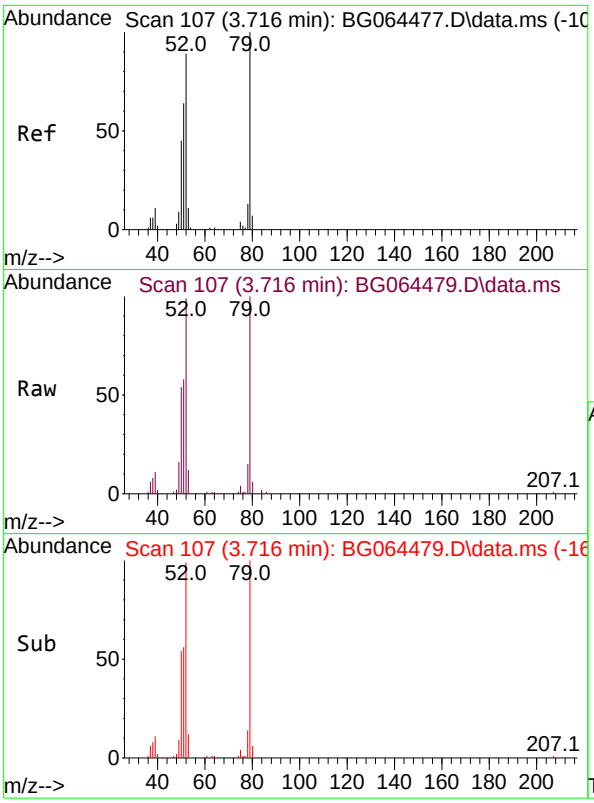


#2
1,4-Dioxane
Concen: 54.202 ng
RT: 3.328 min Scan# 41
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

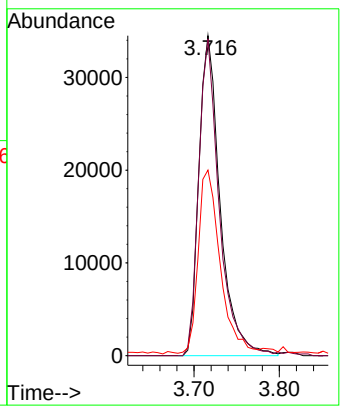




#3
Pyridine
Concen: 57.214 ng
RT: 3.716 min Scan# 10
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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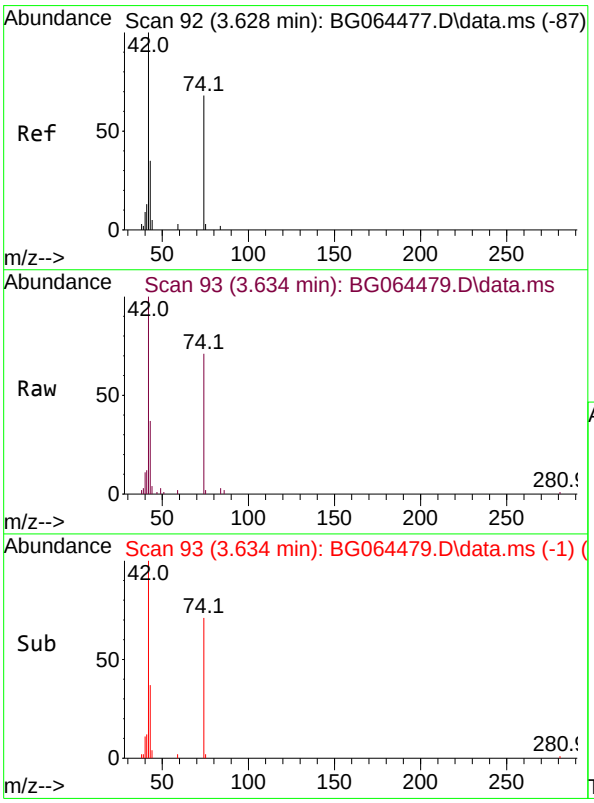
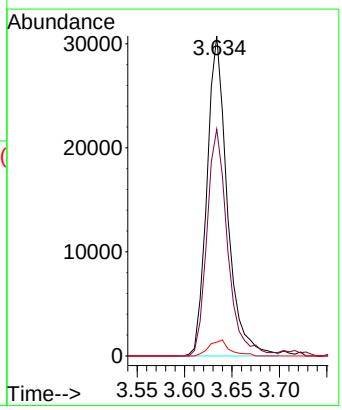
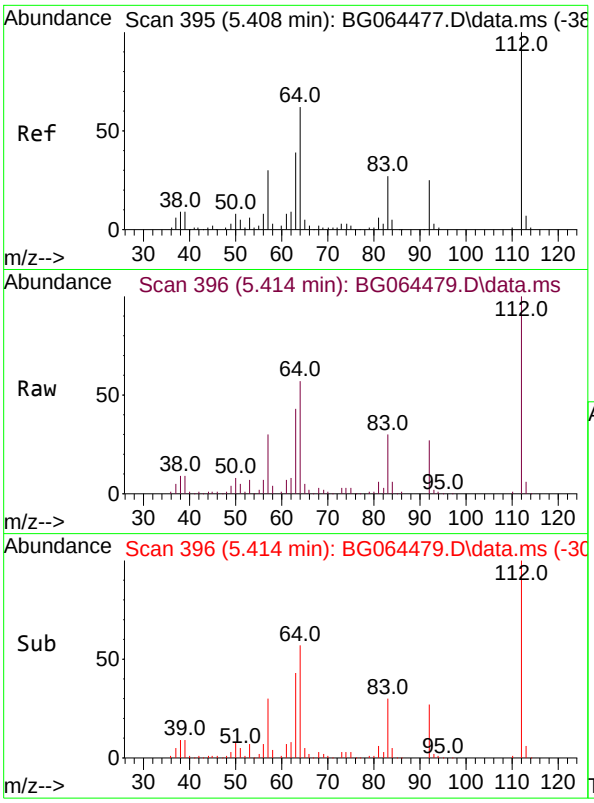


#4
n-Nitrosodimethylamine
Concen: 60.722 ng
RT: 3.634 min Scan# 93
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

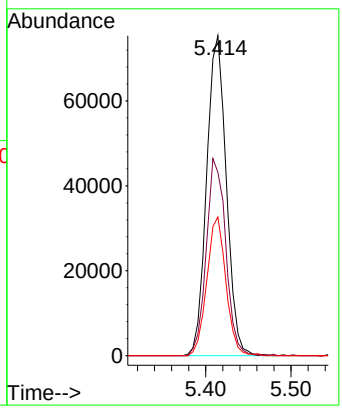




#5
2-Fluorophenol
Concen: 123.037 ng
RT: 5.414 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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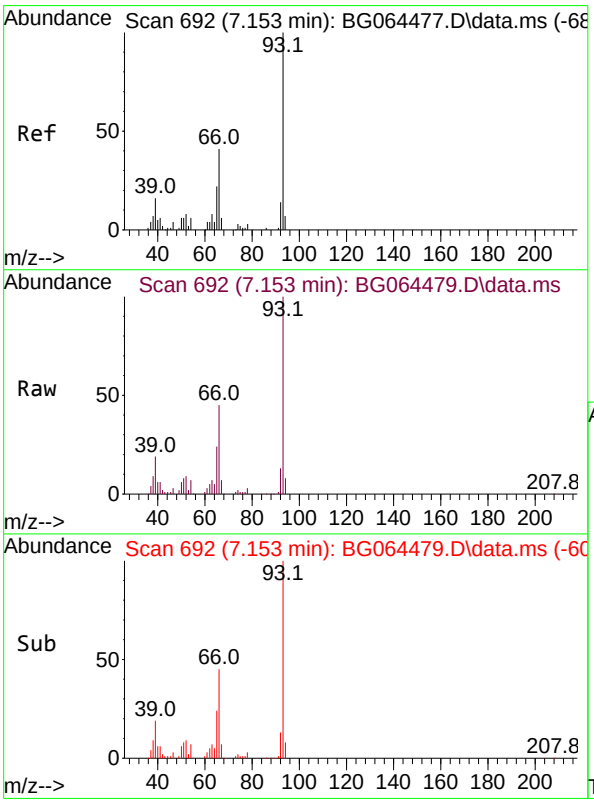
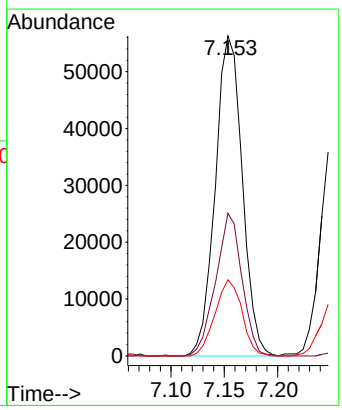
Supervised By :Jagrut Upadhyay 10/03/2025

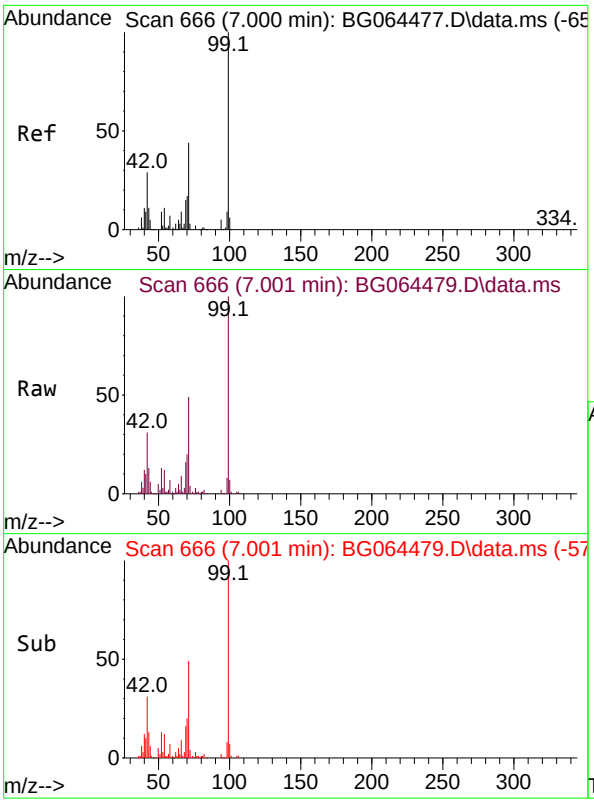


#6
Aniline
Concen: 59.718 ng
RT: 7.153 min Scan# 692
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

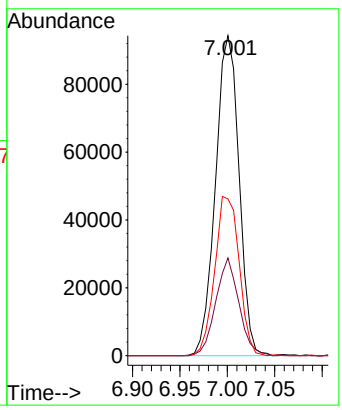




#7
Phenol-d6
Concen: 123.636 ng
RT: 7.001 min Scan# 6
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 99 Resp: 16300

Ion	Ratio	Lower	Upper
99	100		
42	30.5	22.9	34.3
71	49.0	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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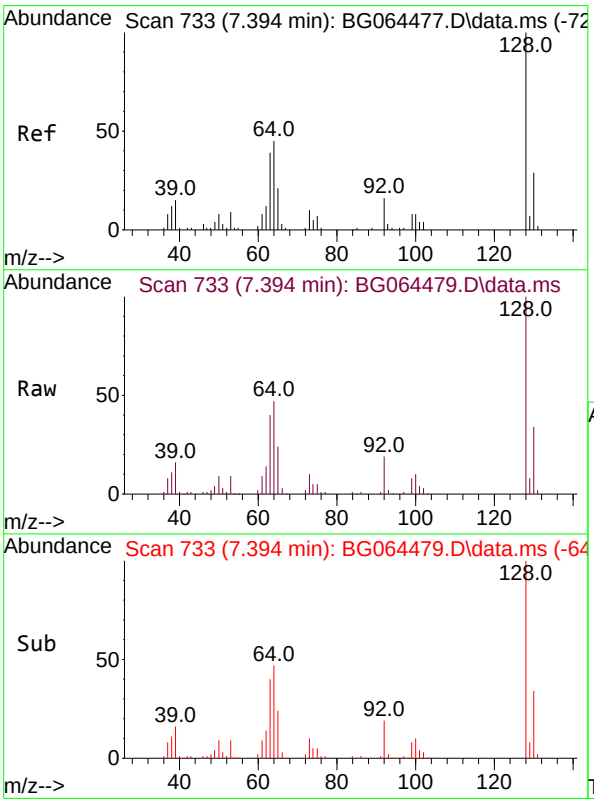
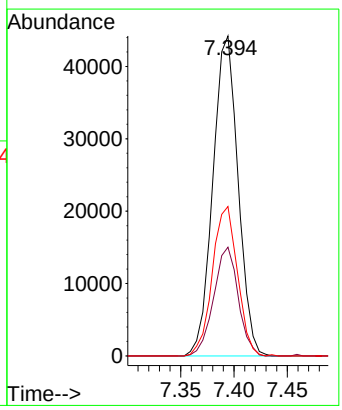
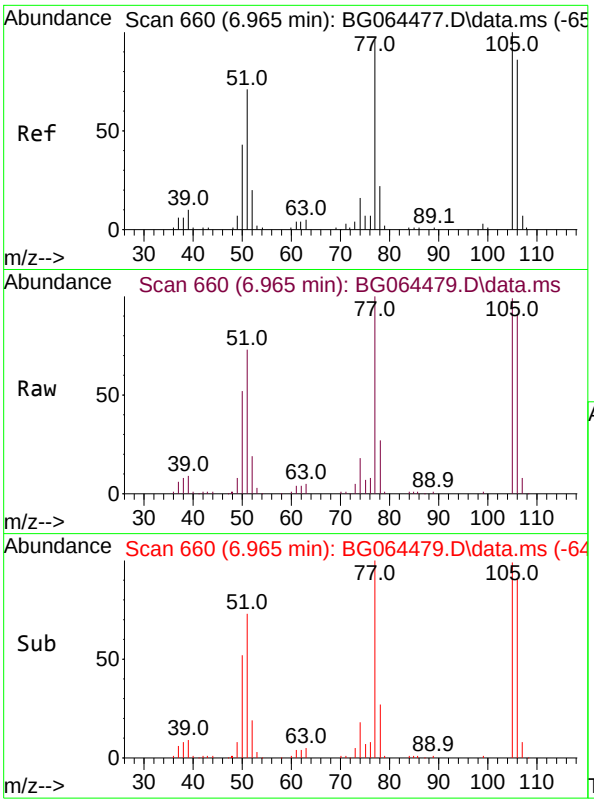


#8
2-Chlorophenol
Concen: 60.397 ng
RT: 7.394 min Scan# 733
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

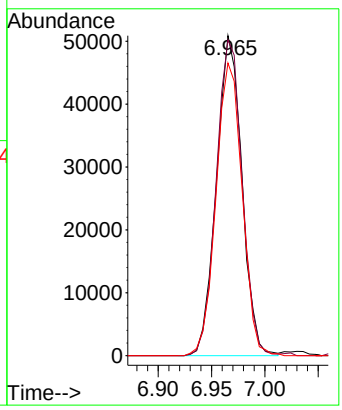




#9
Benzaldehyde
Concen: 72.070 ng
RT: 6.965 min Scan# 6
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 77 Resp: 8434

Ion	Ratio	Lower	Upper
77	100		
105	98.6	83.7	123.7
106	91.4	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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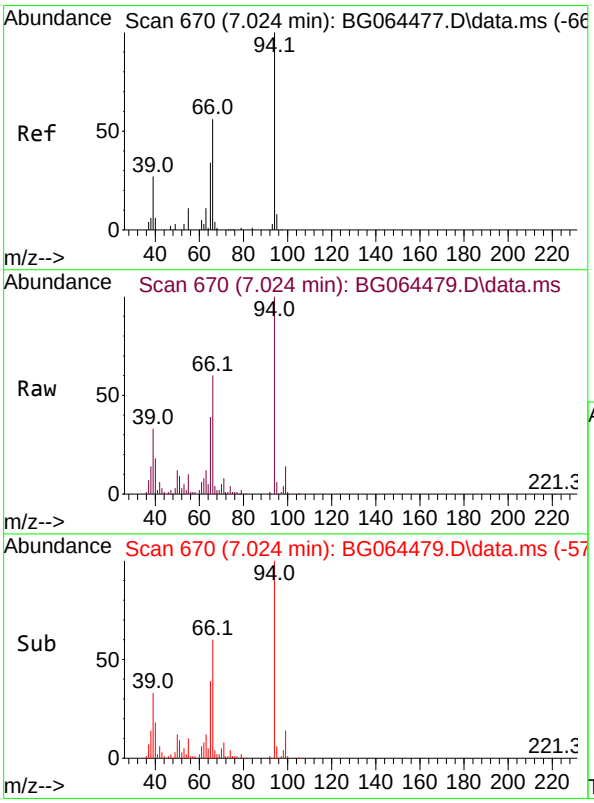
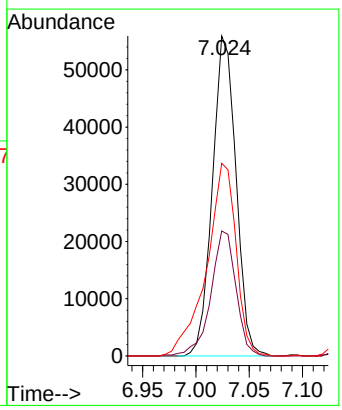
Supervised By :Jagrut Upadhyay 10/03/2025

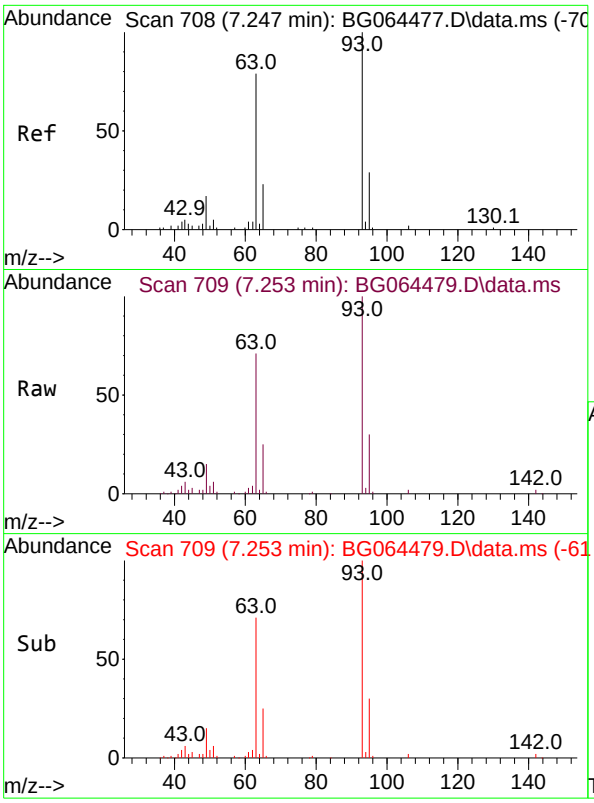


#10
Phenol
Concen: 61.981 ng
RT: 7.024 min Scan# 670
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

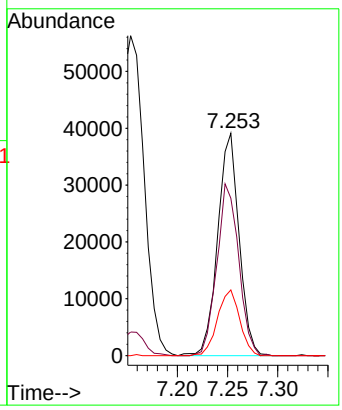




#11
bis(2-Chloroethyl)ether
Concen: 61.560 ng
RT: 7.253 min Scan# 7
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 93 Resp: 5798

Ion	Ratio	Lower	Upper
93	100		
63	70.8	59.5	99.5
95	29.6	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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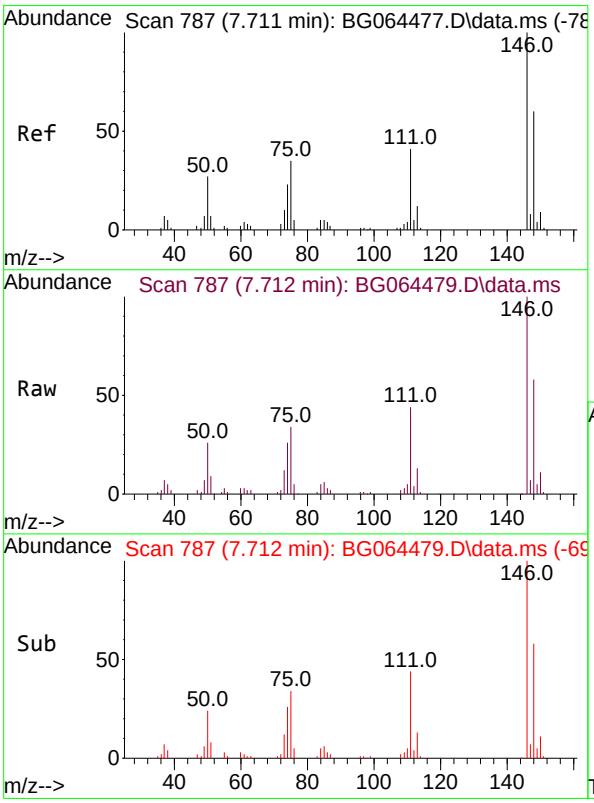
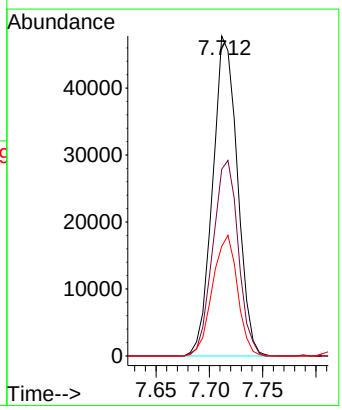
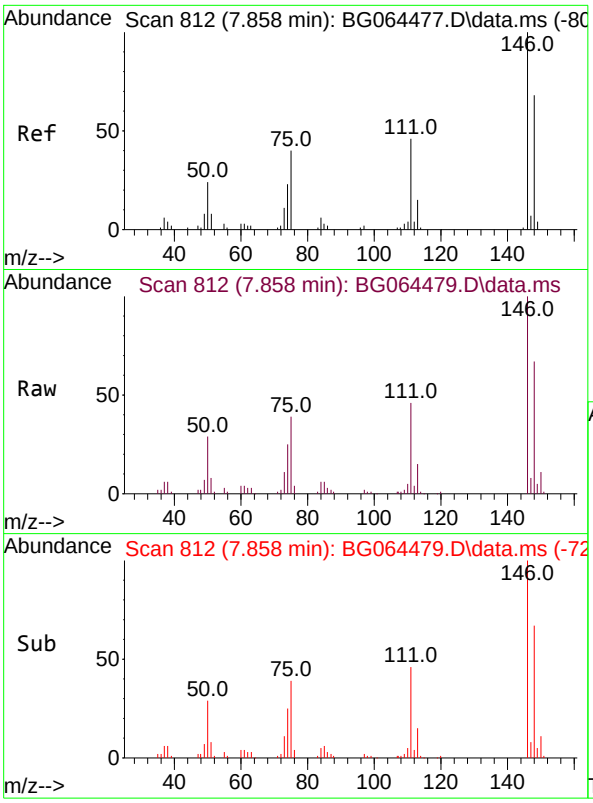


#12
1,3-Dichlorobenzene
Concen: 58.613 ng
RT: 7.712 min Scan# 787
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

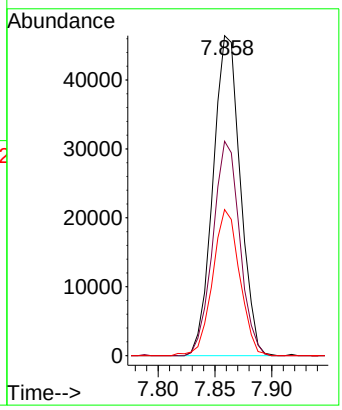




#13
1,4-Dichlorobenzene
Concen: 58.502 ng
RT: 7.858 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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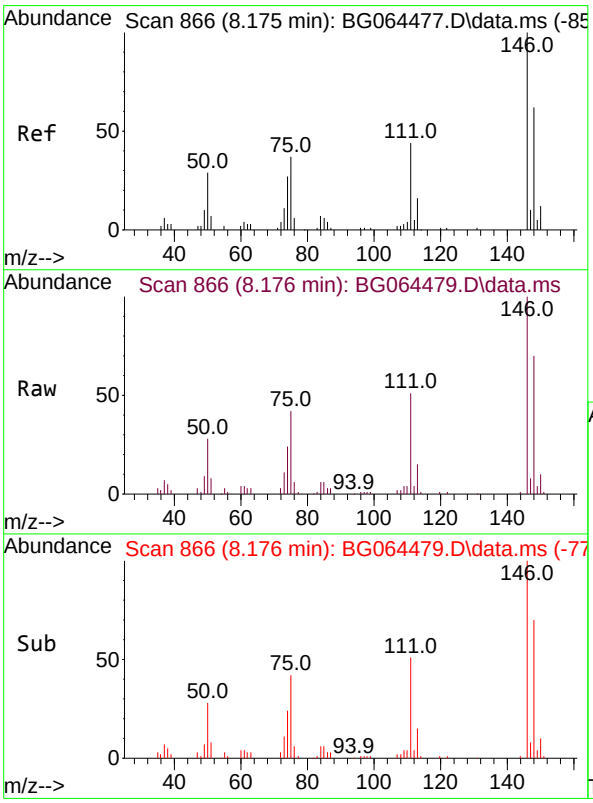
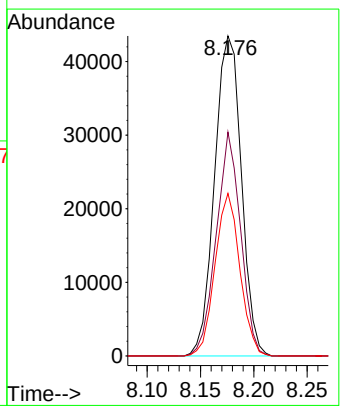
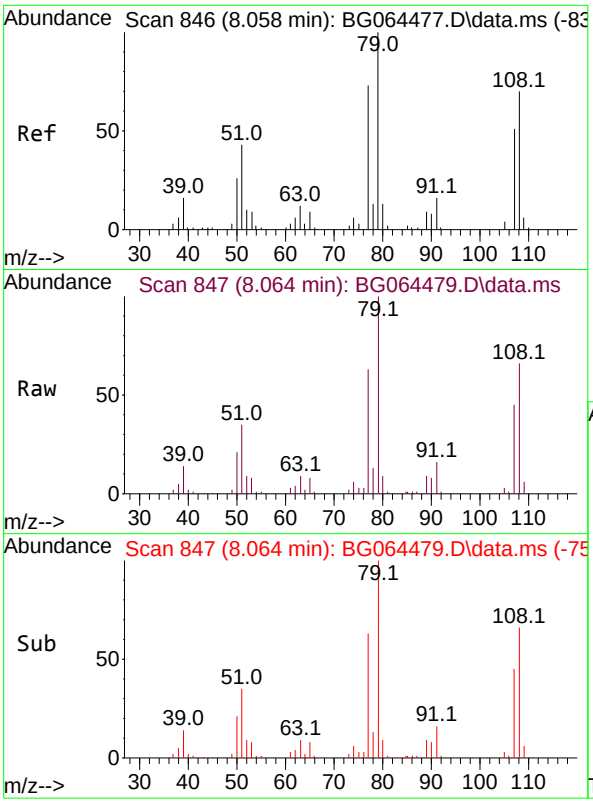


#14
1,2-Dichlorobenzene
Concen: 58.463 ng
RT: 8.176 min Scan# 866
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

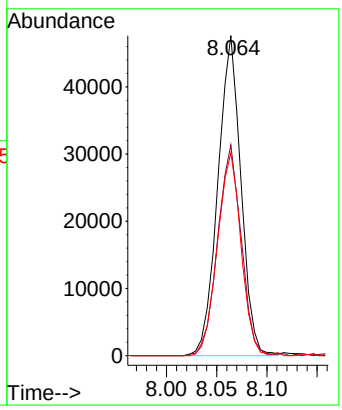




#15
Benzyl Alcohol
Concen: 62.783 ng
RT: 8.064 min Scan# 84
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 79 Resp: 7623

Ion	Ratio	Lower	Upper
79	100		
108	65.9	56.4	84.6
77	63.3	58.3	87.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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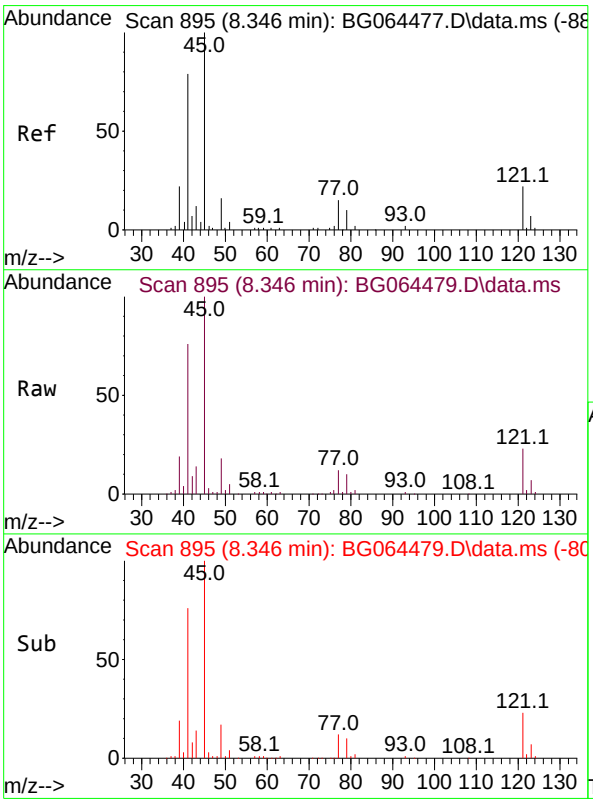
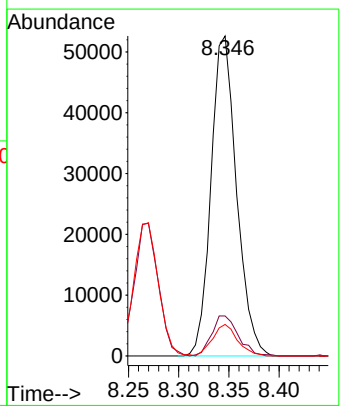
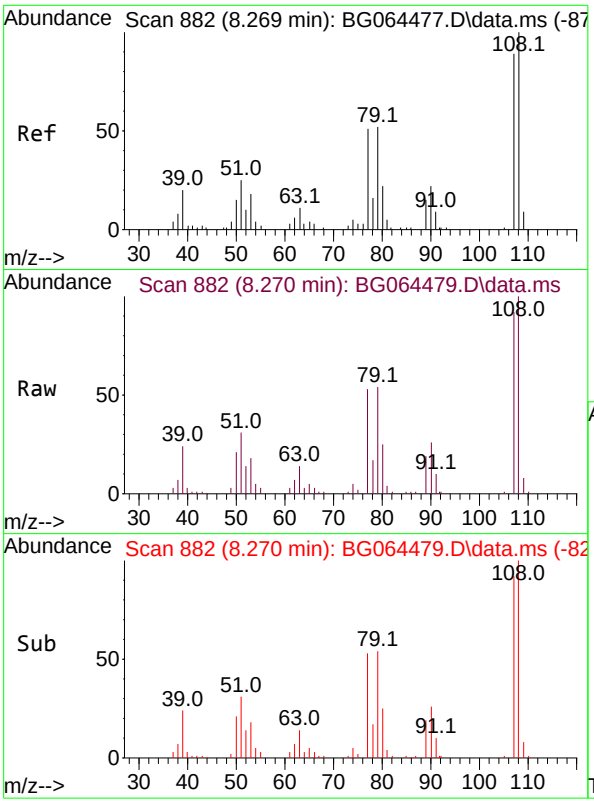


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.262 ng
RT: 8.346 min Scan# 895
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

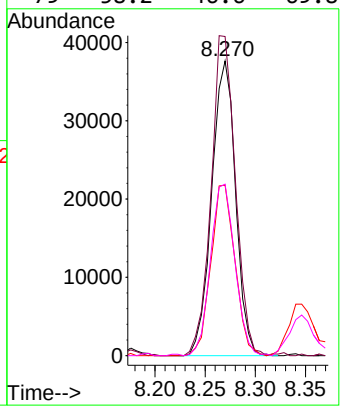




#17
2-Methylphenol
Concen: 61.823 ng
RT: 8.270 min Scan# 88
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:107 Resp: 6226

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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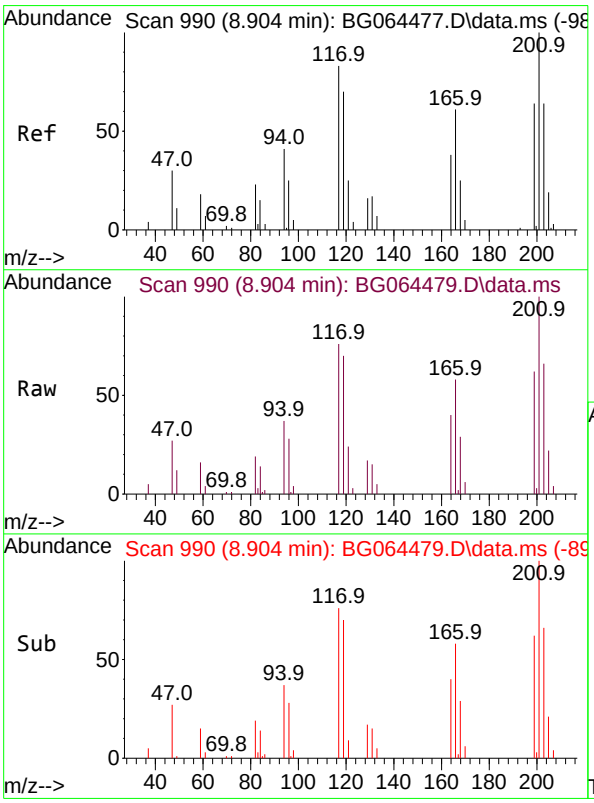
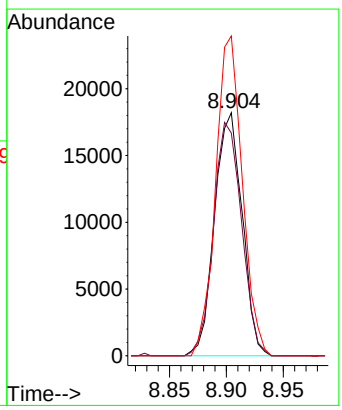
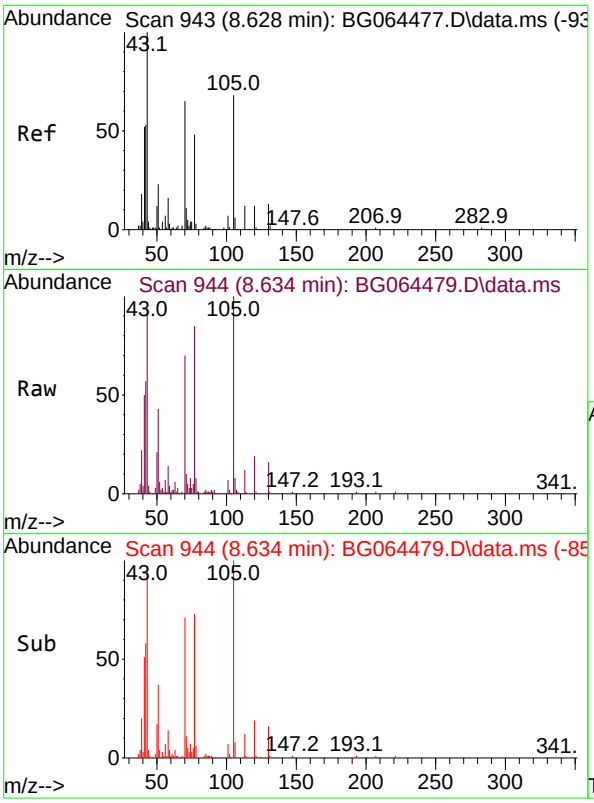


#18
Hexachloroethane
Concen: 59.041 ng
RT: 8.904 min Scan# 990
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

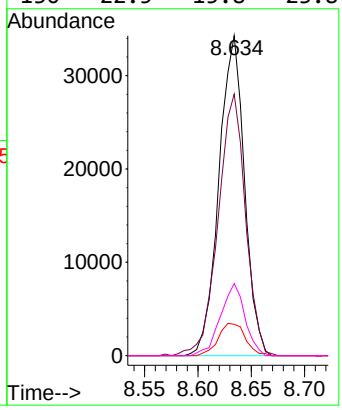




#19
n-Nitroso-di-n-propylamine
Concen: 64.752 ng
RT: 8.634 min Scan# 94
Delta R.T. 0.020 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 70 Resp: 5709

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



Instrument :
BNA_G
ClientSampleId :
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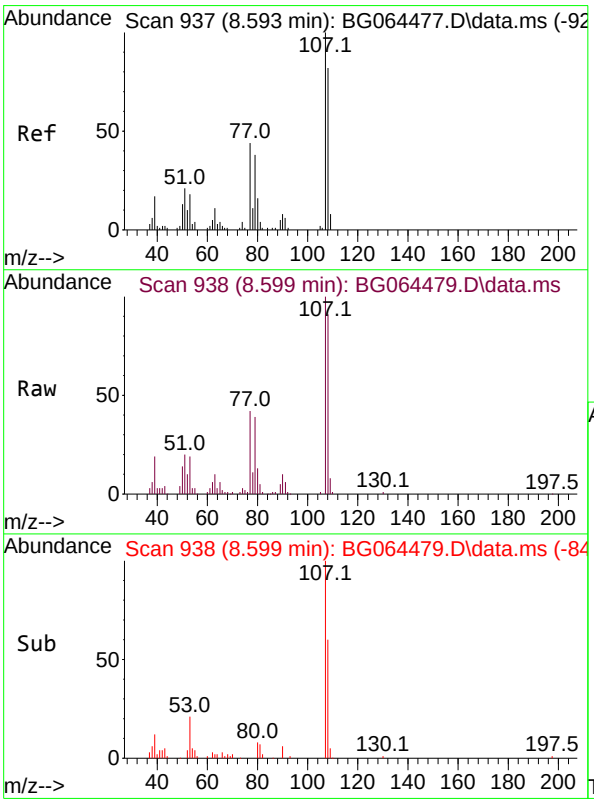
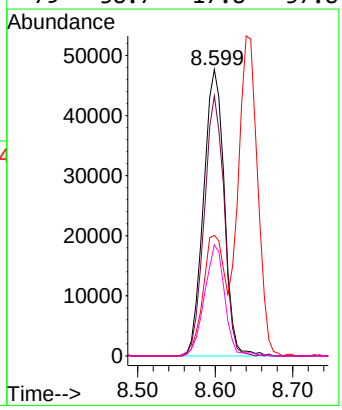
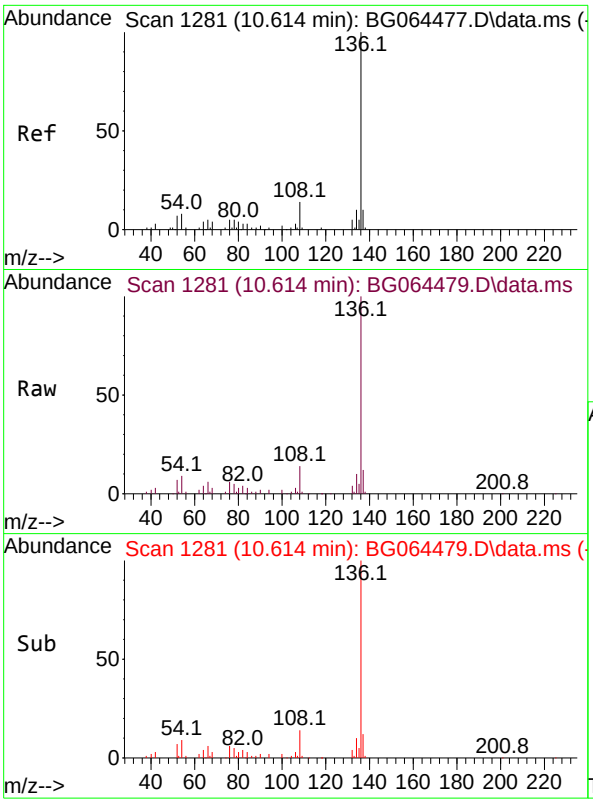


#20
3+4-Methylphenols
Concen: 62.850 ng
RT: 8.599 min Scan# 938
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

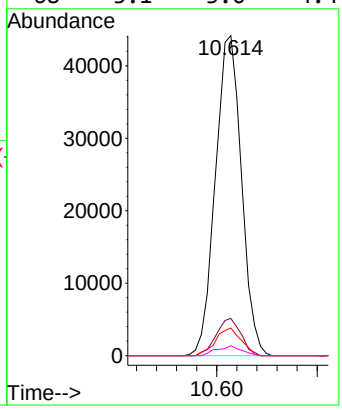




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:136 Resp: 7971

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



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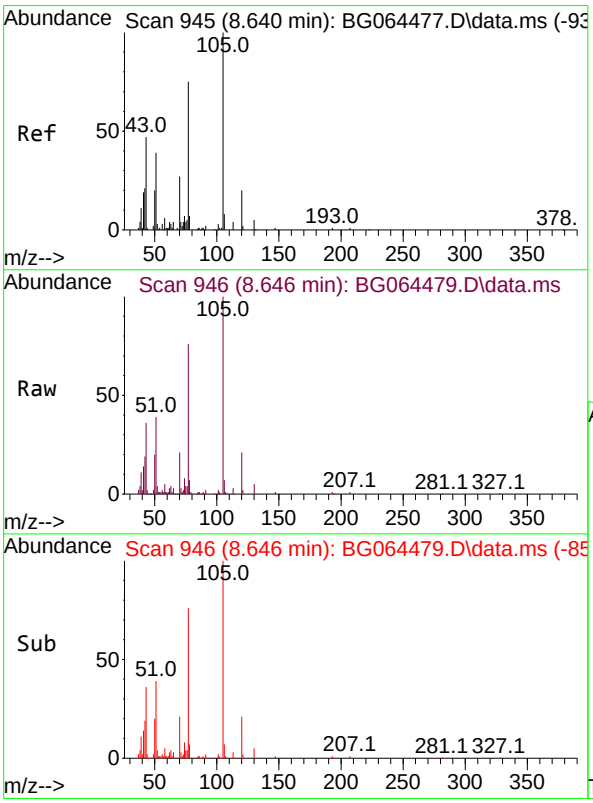
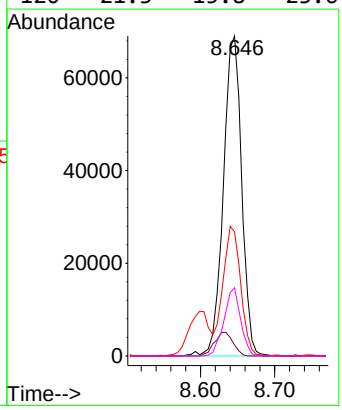
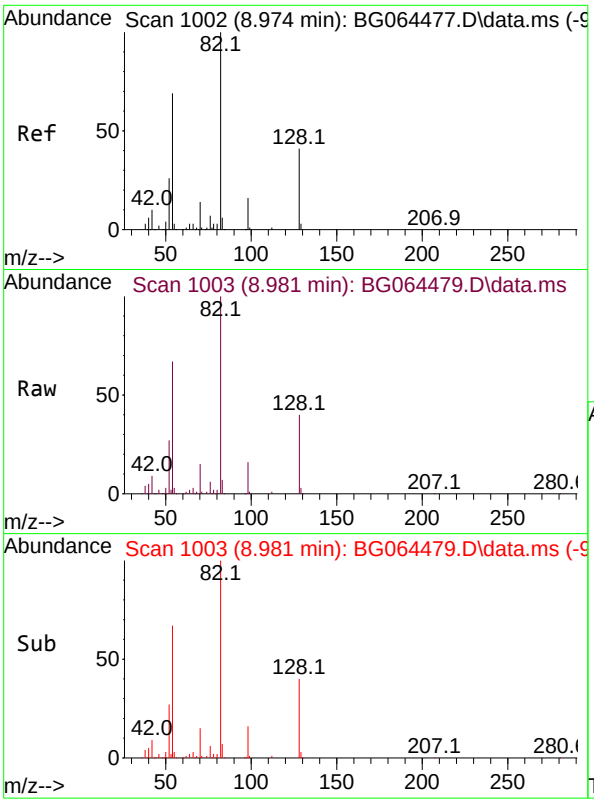


#22
Acetophenone
Concen: 61.322 ng
RT: 8.646 min Scan# 946
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

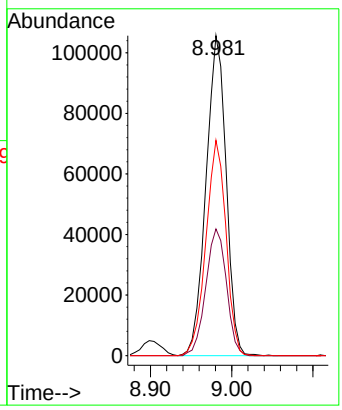




#23
Nitrobenzene-d5
Concen: 122.779 ng
RT: 8.981 min Scan# 1
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 82 Resp: 18201

Ion	Ratio	Lower	Upper
82	100		
128	39.6	33.1	49.7
54	67.3	55.4	83.2



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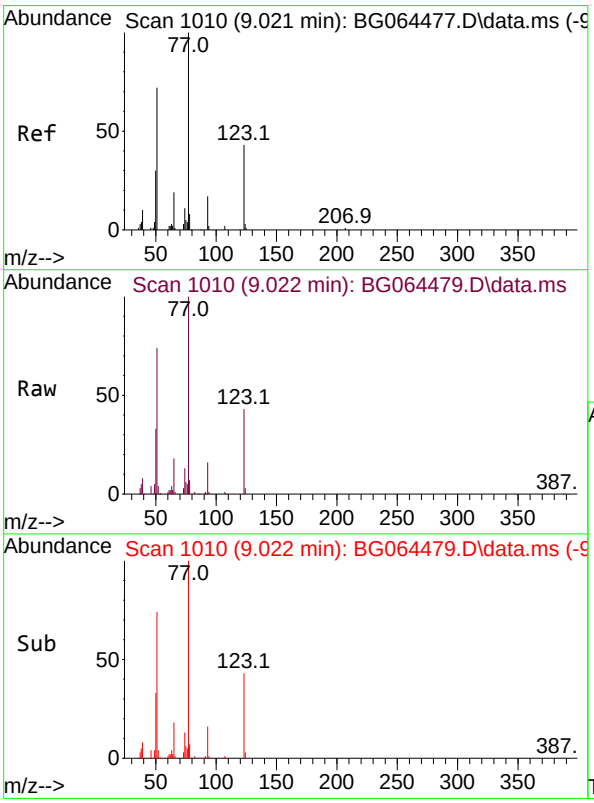
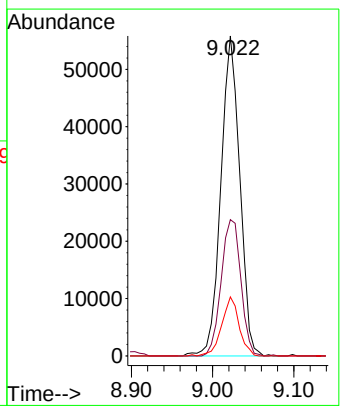
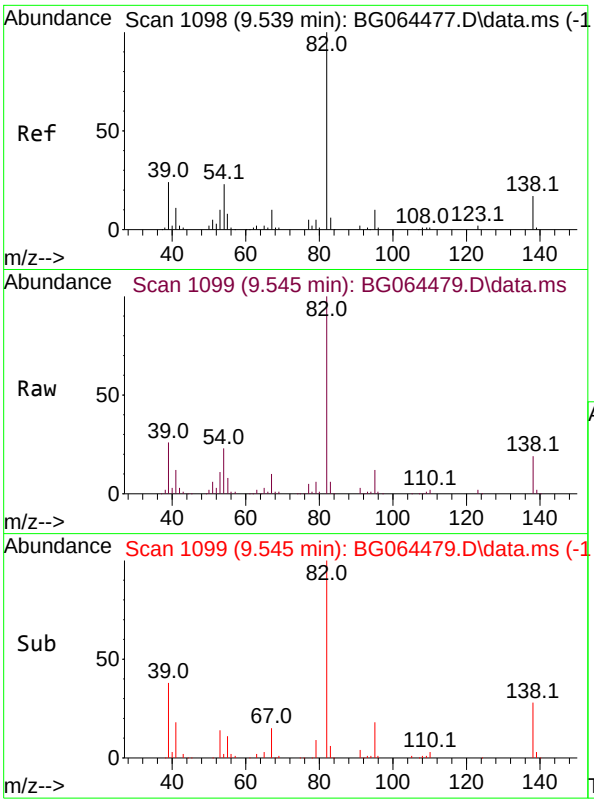


#24
Nitrobenzene
Concen: 60.977 ng
RT: 9.022 min Scan# 1010
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

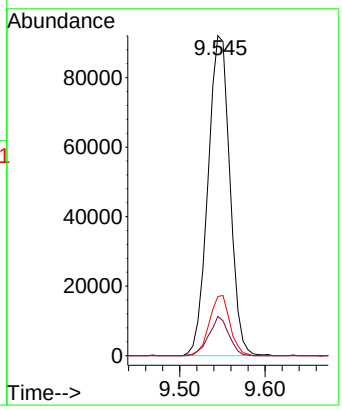




#25
Isophorone
Concen: 61.043 ng
RT: 9.545 min Scan# 1
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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



Instrument :
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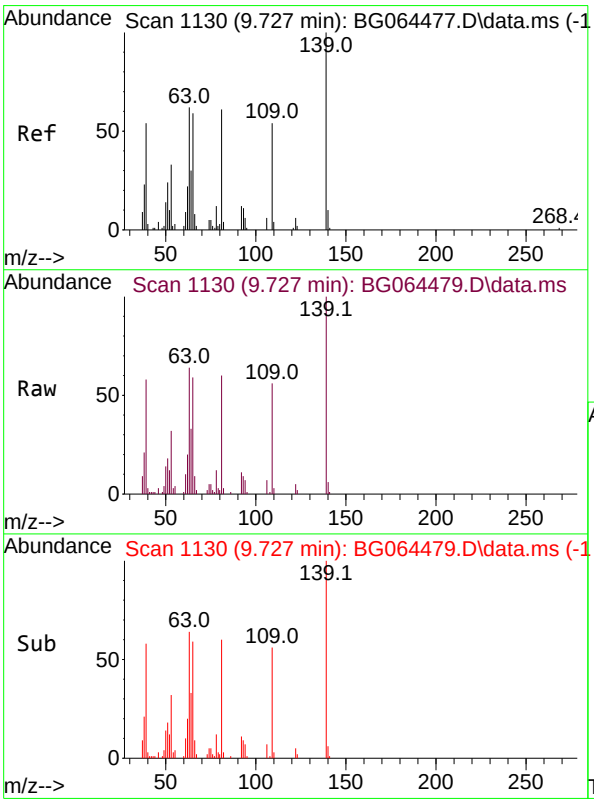
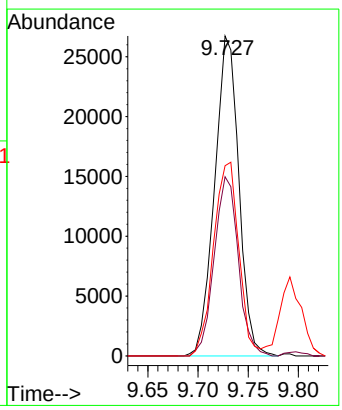
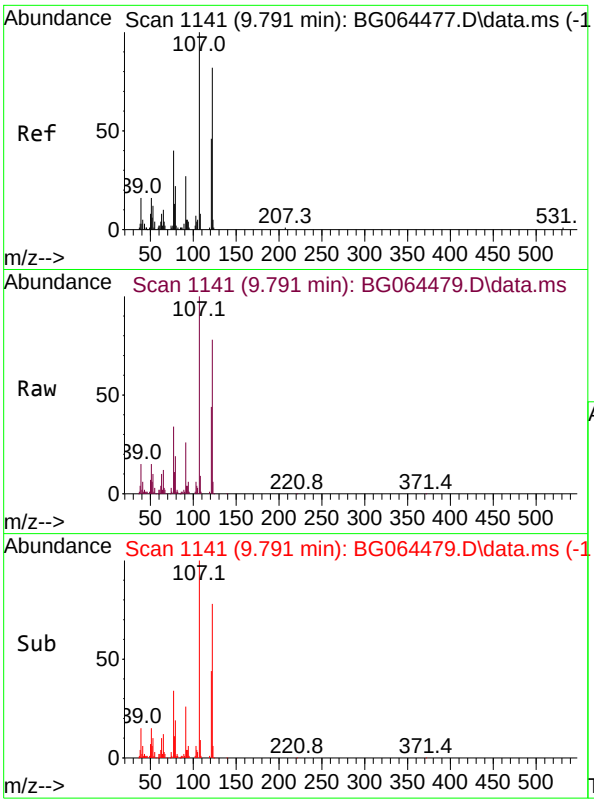


#26
2-Nitrophenol
Concen: 61.140 ng
RT: 9.727 min Scan# 1130
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

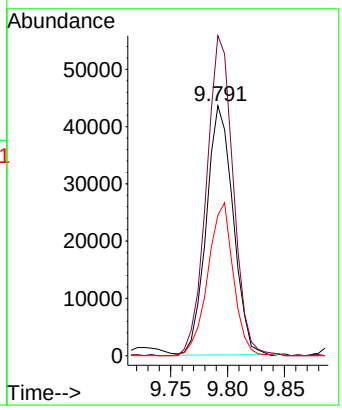




#27
2,4-Dimethylphenol
Concen: 63.308 ng
RT: 9.791 min Scan# 11
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:122 Resp: 7114

Ion	Ratio	Lower	Upper
122	100		
107	128.1	98.3	147.5
121	56.2	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
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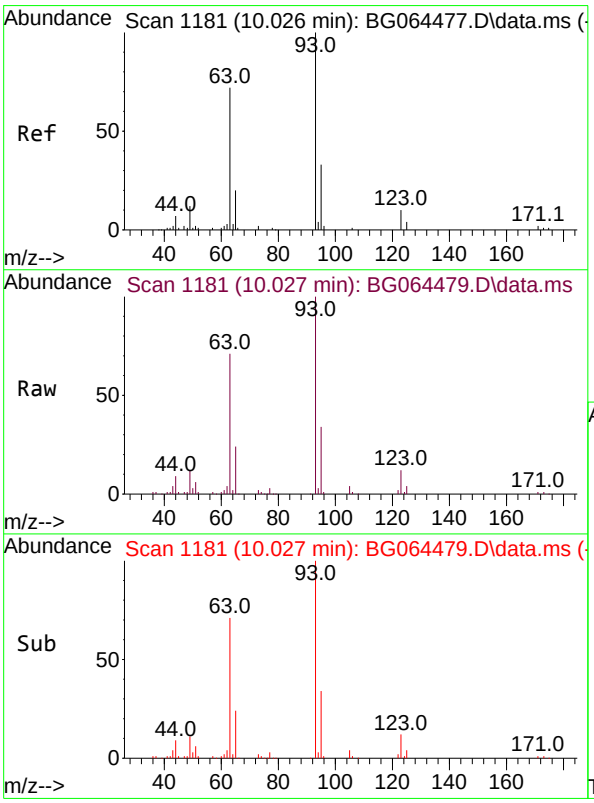
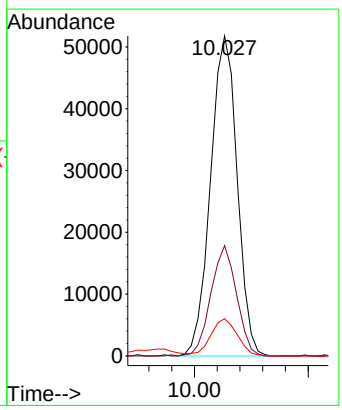
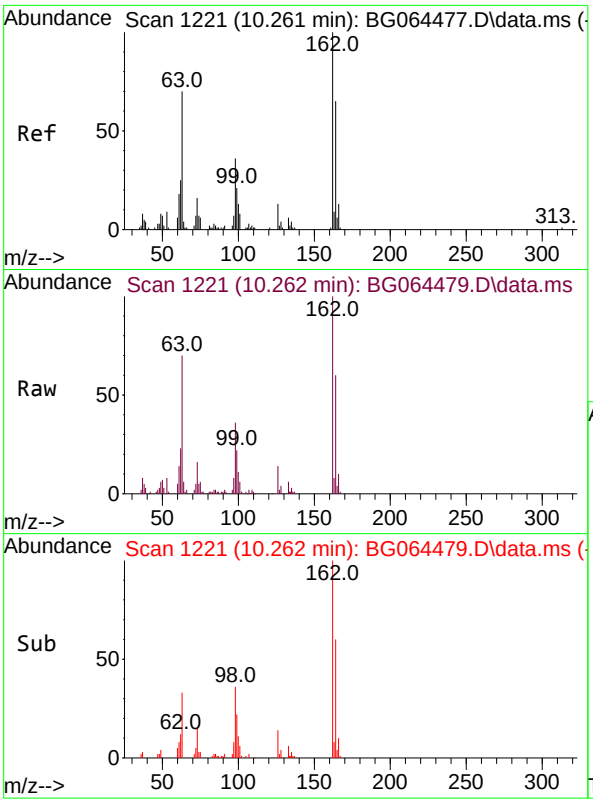


#28
bis(2-Chloroethoxy)methane
Concen: 61.433 ng
RT: 10.027 min Scan# 1181
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

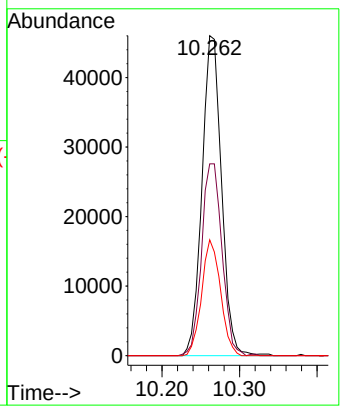




#29
2,4-Dichlorophenol
Concen: 61.860 ng
RT: 10.262 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:162 Resp: 8039

Ion	Ratio	Lower	Upper
162	100		
164	59.9	45.4	85.4
98	36.2	16.4	56.4



Instrument :
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ClientSampleId :
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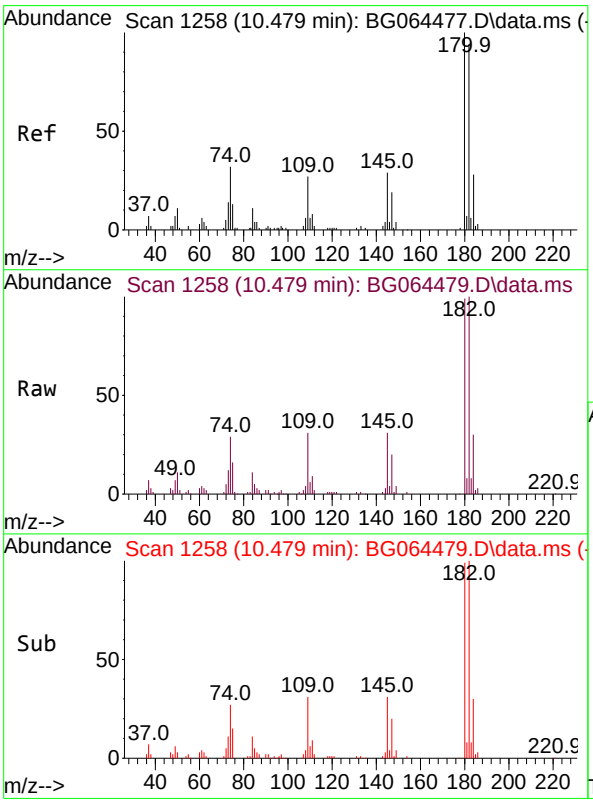
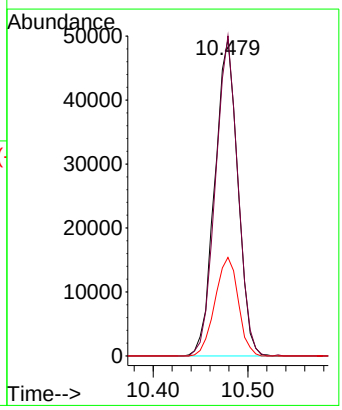
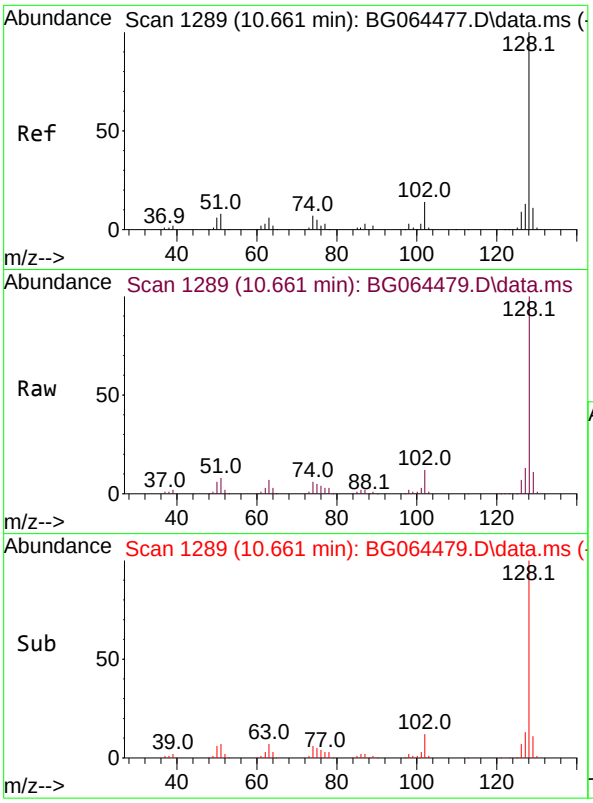


#30
1,2,4-Trichlorobenzene
Concen: 58.922 ng
RT: 10.479 min Scan# 1258
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

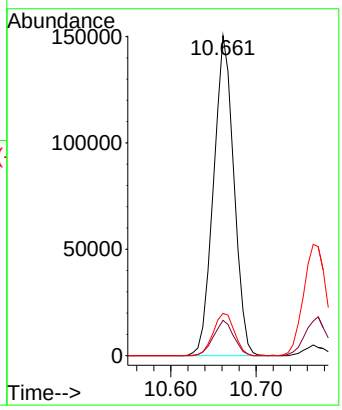




#31
Naphthalene
Concen: 60.652 ng
RT: 10.661 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:128 Resp: 24896

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.2	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
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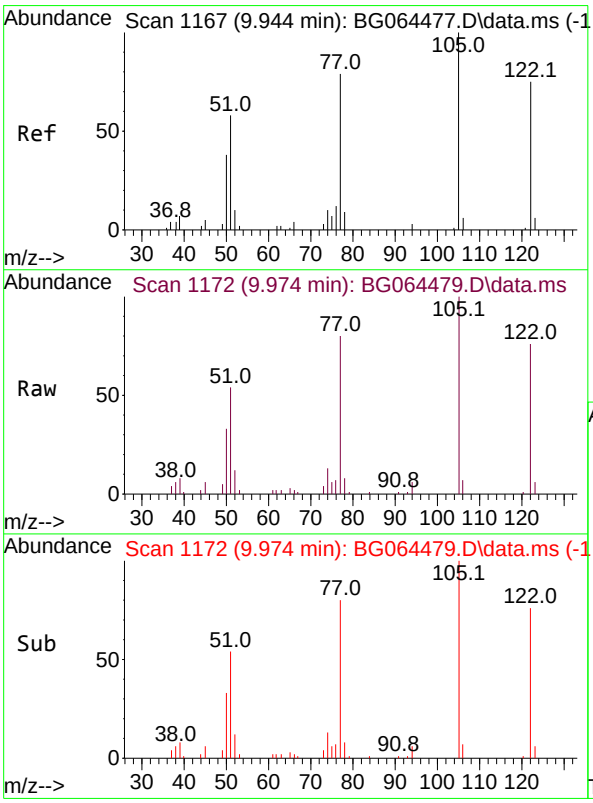
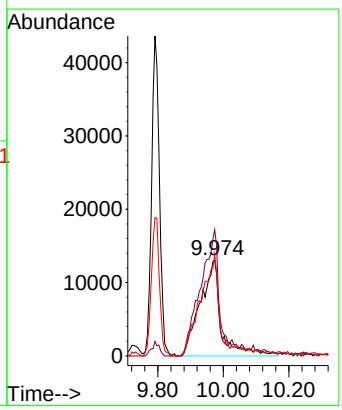
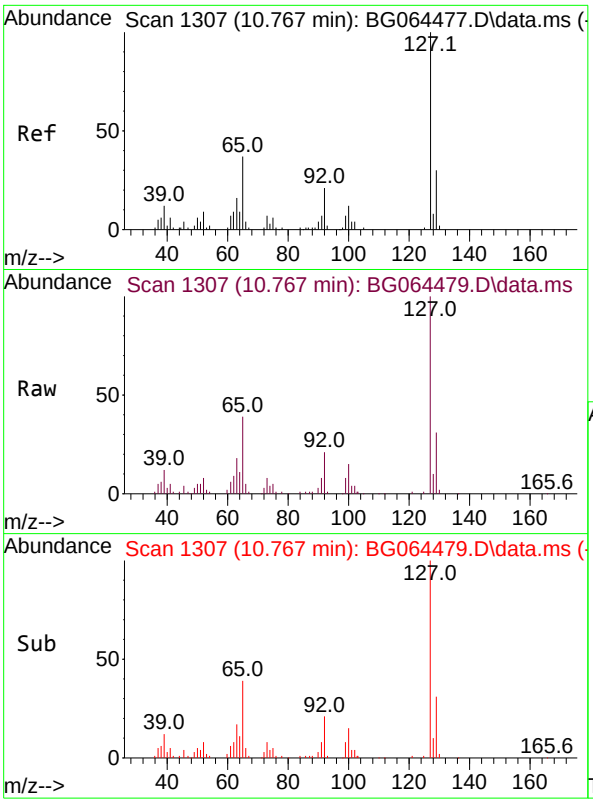


#32
Benzoic acid
Concen: 66.902 ng m
RT: 9.974 min Scan# 1172
Delta R.T. 0.085 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

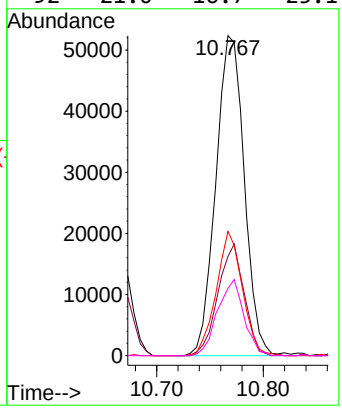




#33
4-Chloroaniline
Concen: 61.625 ng
RT: 10.767 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:127 Resp: 9706

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



Instrument :
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ClientSampleId :
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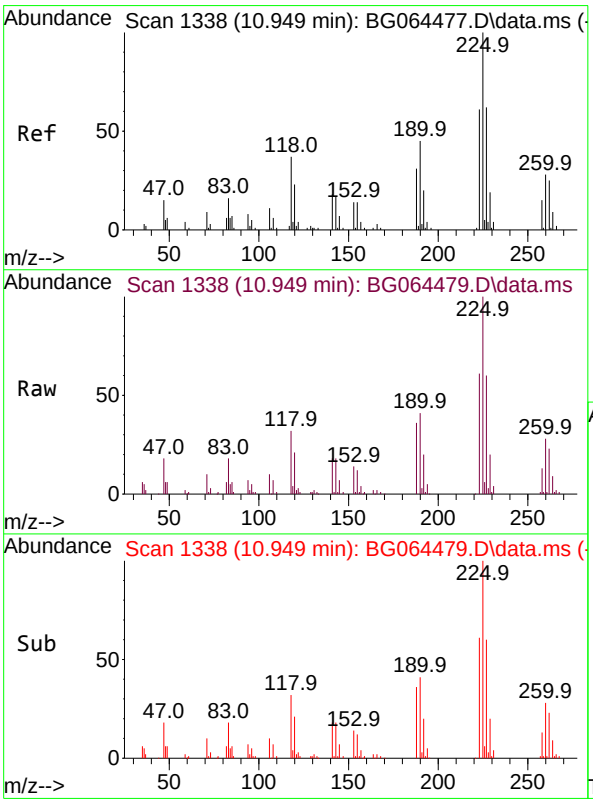
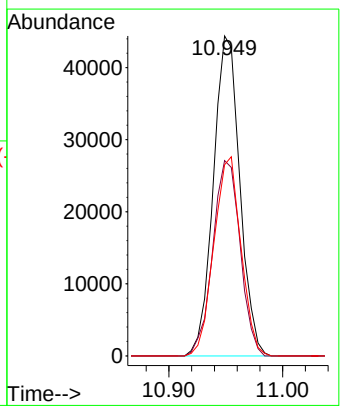
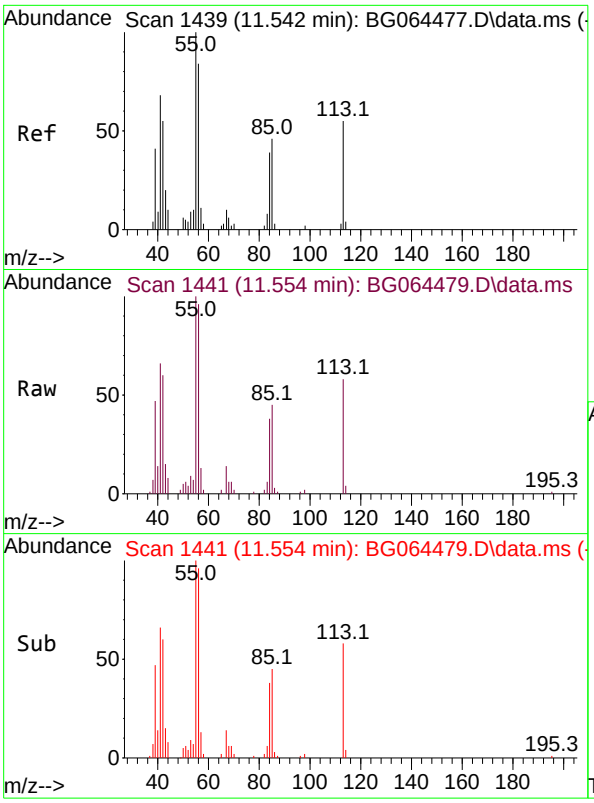


#34
Hexachlorobutadiene
Concen: 59.141 ng
RT: 10.949 min Scan# 1338
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

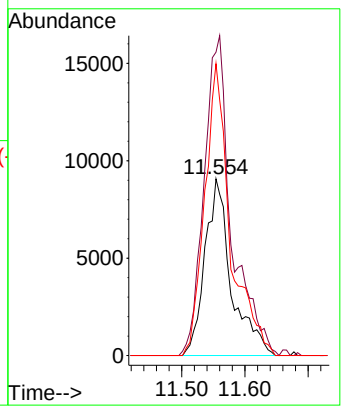




#35
Caprolactam
Concen: 59.294 ng
RT: 11.554 min Scan# 14
Delta R.T. 0.044 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:113 Resp: 2637

Ion	Ratio	Lower	Upper
113	100		
55	171.8	162.0	202.0
56	165.2	134.6	174.6



Instrument :
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ClientSampleId :
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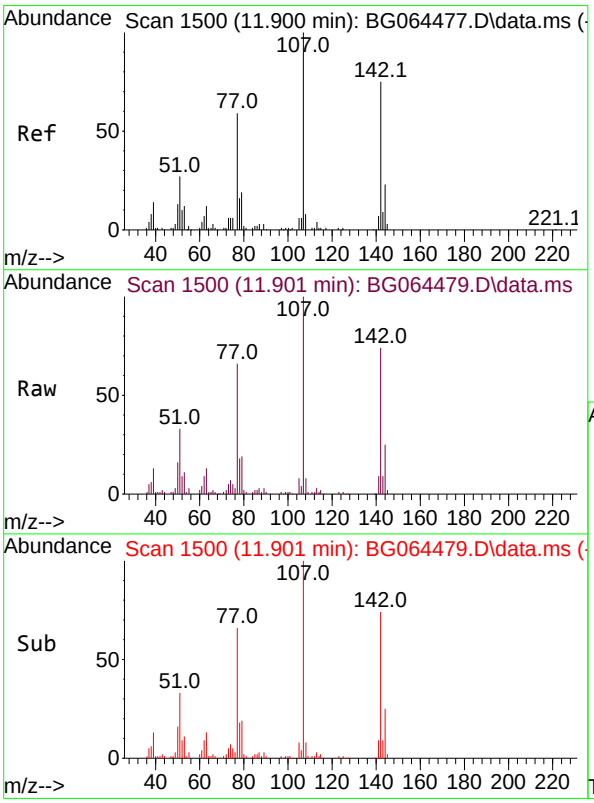
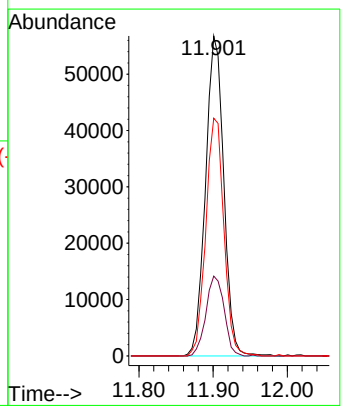
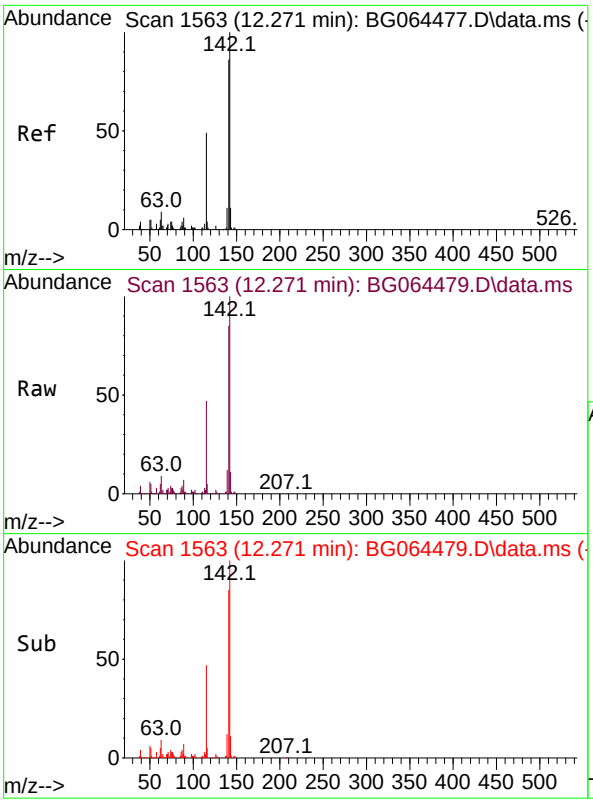


#36
4-Chloro-3-methylphenol
Concen: 61.261 ng
RT: 11.901 min Scan# 1500
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

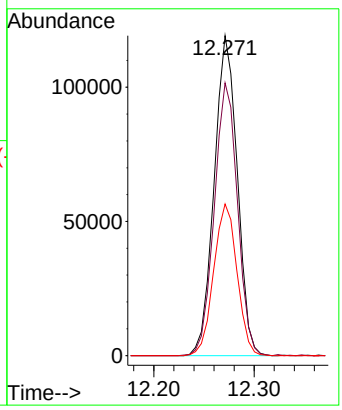




#37
2-Methylnaphthalene
Concen: 60.616 ng
RT: 12.271 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:142 Resp: 19099

Ion	Ratio	Lower	Upper
142	100		
141	85.2	68.7	103.1
115	47.4	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
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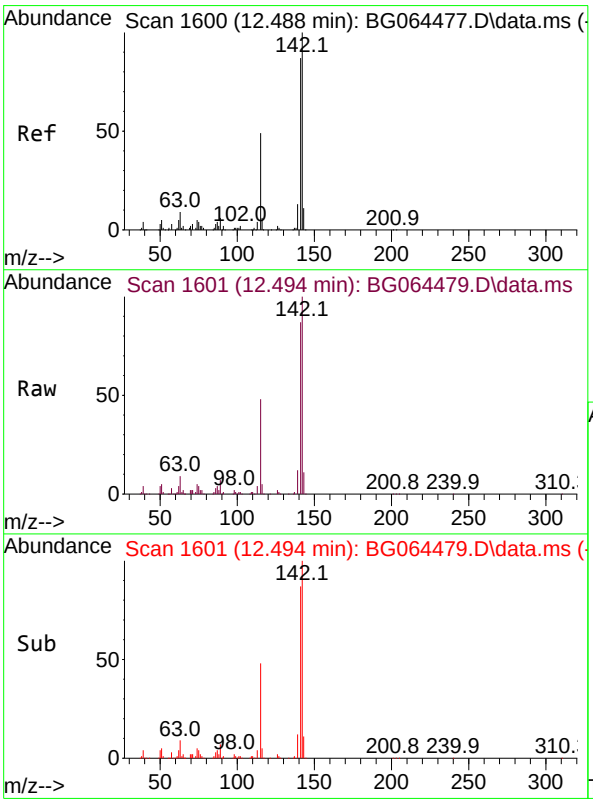
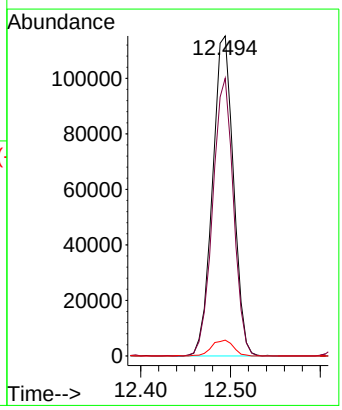
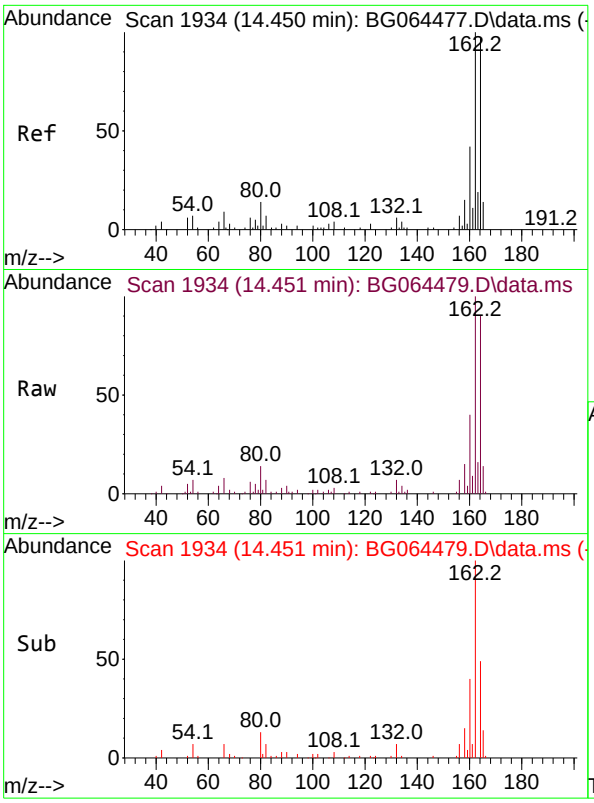


#38
1-Methylnaphthalene
Concen: 59.679 ng
RT: 12.494 min Scan# 1601
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

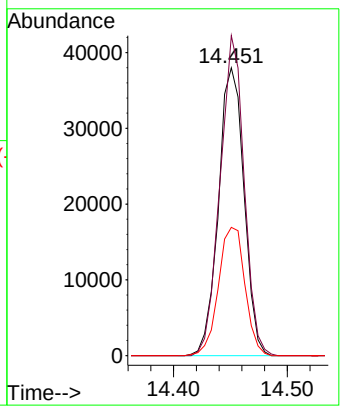




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:164 Resp: 5922

Ion	Ratio	Lower	Upper
164	100		
162	111.2	82.2	123.2
160	44.6	34.3	51.5



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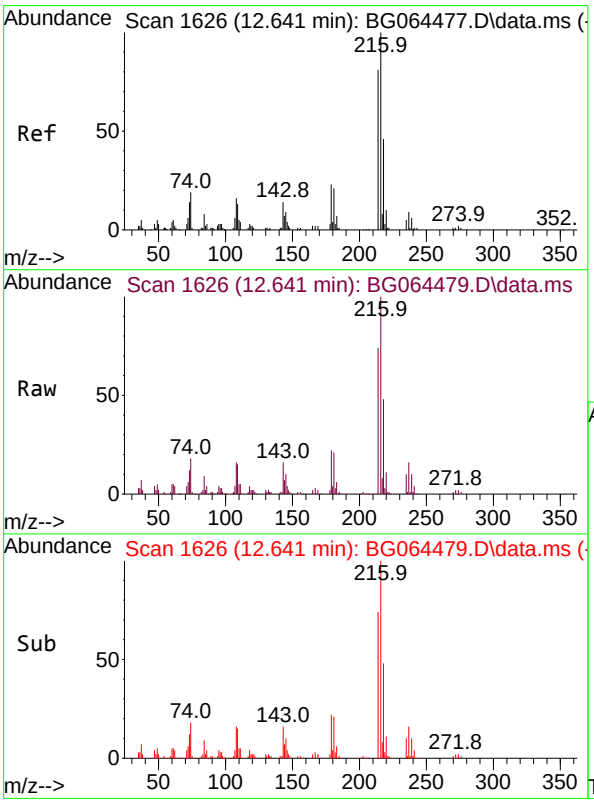
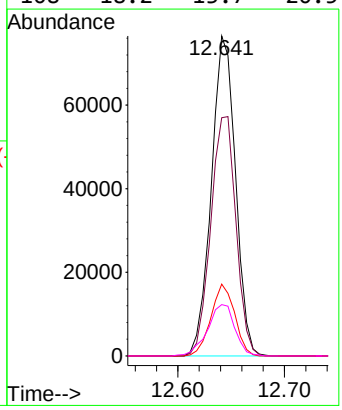
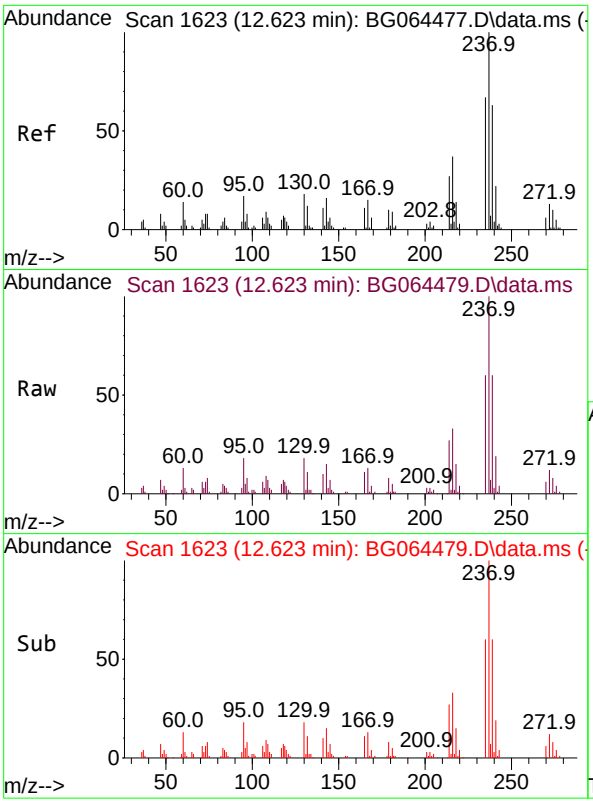


#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.034 ng
RT: 12.641 min Scan# 1626
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

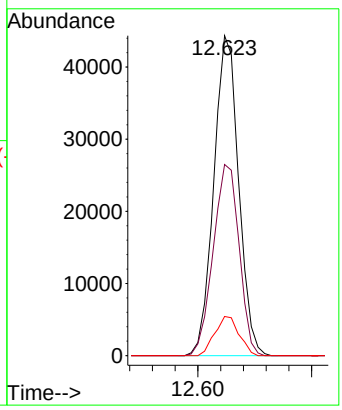




#41
Hexachlorocyclopentadiene
Concen: 67.119 ng
RT: 12.623 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:237 Resp: 6713

Ion	Ratio	Lower	Upper
237	100		
235	59.7	46.9	86.9
272	12.2	0.0	32.6



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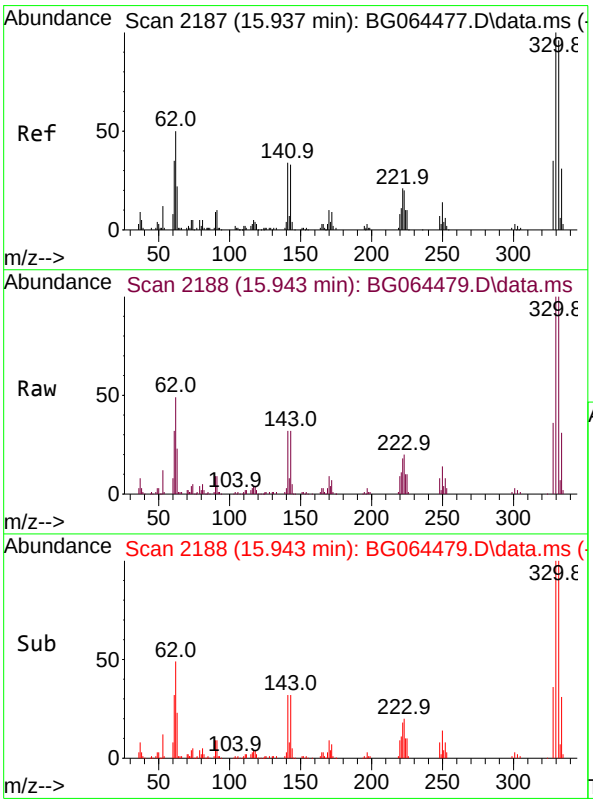
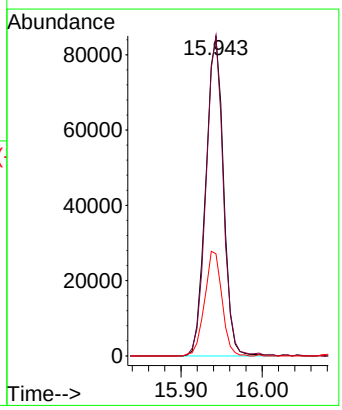
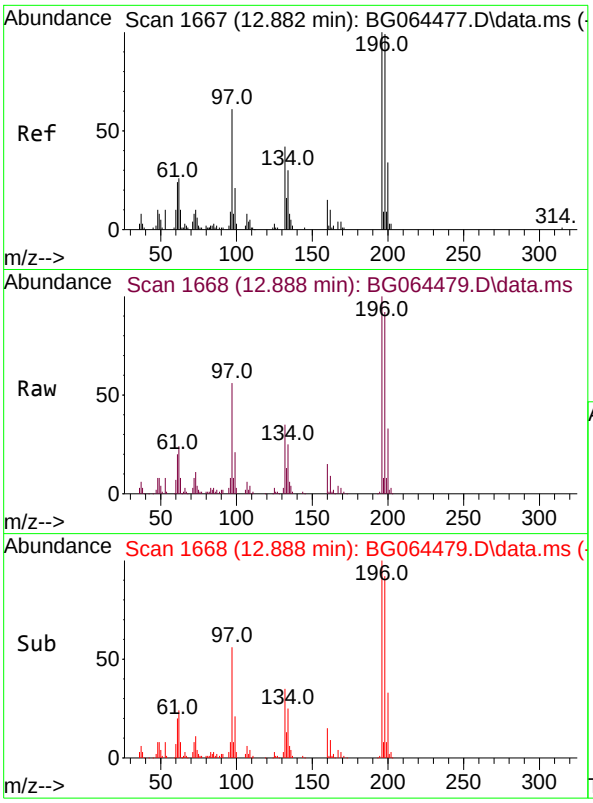


#42
2,4,6-Tribromophenol
Concen: 119.659 ng
RT: 15.943 min Scan# 2188
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

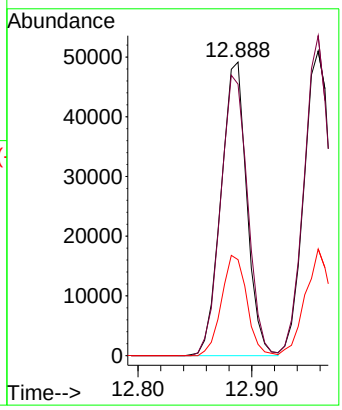




#43
2,4,6-Trichlorophenol
Concen: 63.395 ng
RT: 12.888 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:196 Resp: 7749

Ion	Ratio	Lower	Upper
196	100		
198	92.4	79.3	118.9
200	32.7	27.4	41.2



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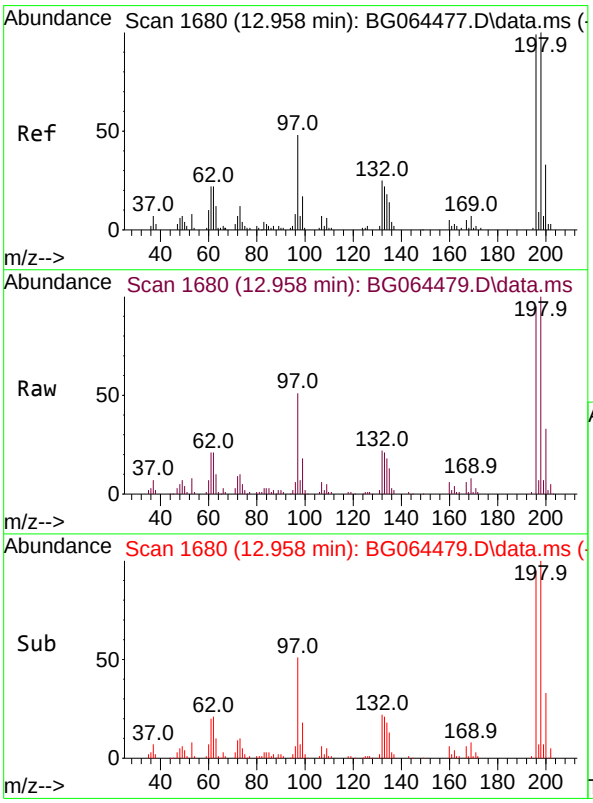
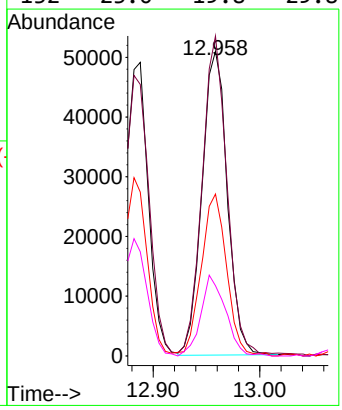
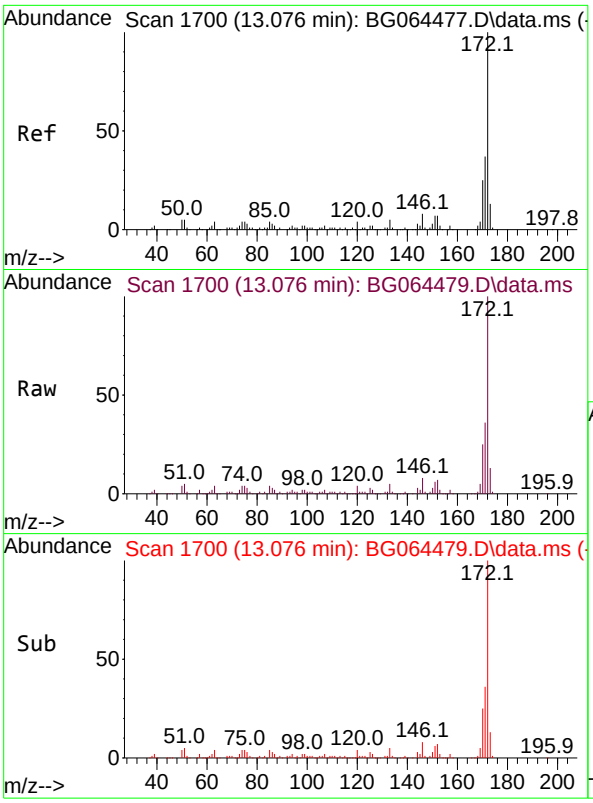


#44
2,4,5-Trichlorophenol
Concen: 61.556 ng
RT: 12.958 min Scan# 1680
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

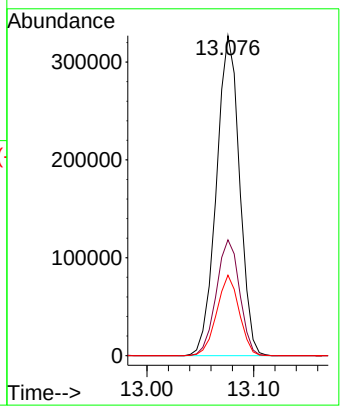




#45
2-Fluorobiphenyl
Concen: 122.847 ng
RT: 13.076 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:172 Resp: 49357

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	25.1	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
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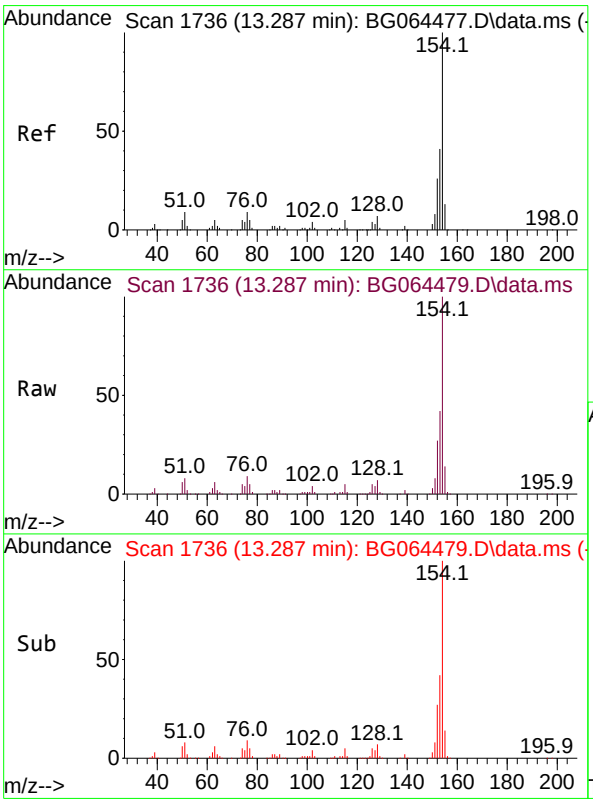
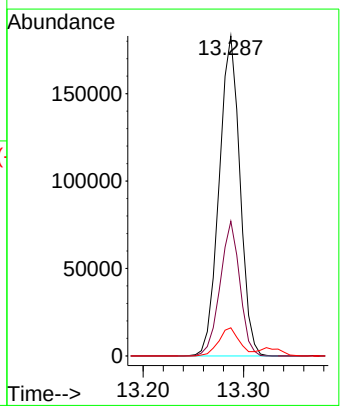
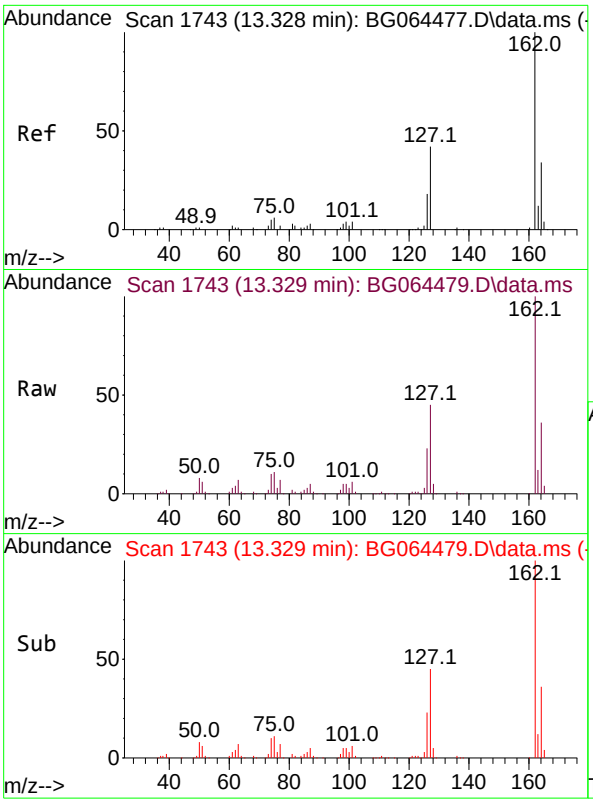


#46
1,1'-Biphenyl
Concen: 61.885 ng
RT: 13.287 min Scan# 1736
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

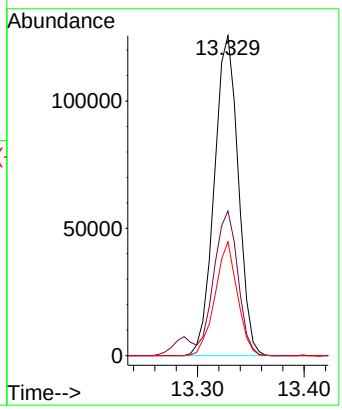




#47
2-Chloronaphthalene
Concen: 61.791 ng
RT: 13.329 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:162 Resp: 19650

Ion	Ratio	Lower	Upper
162	100		
127	45.2	35.8	53.8
164	35.6	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
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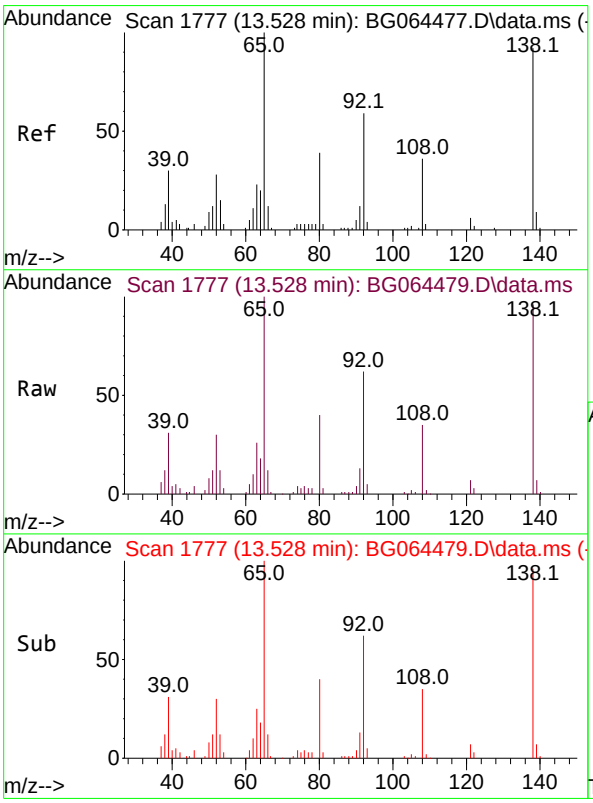
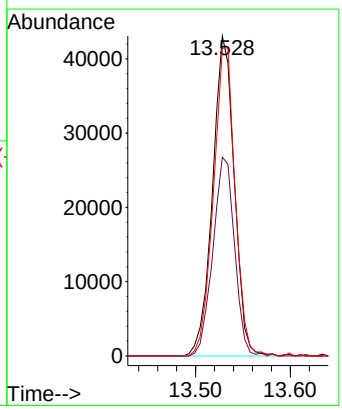
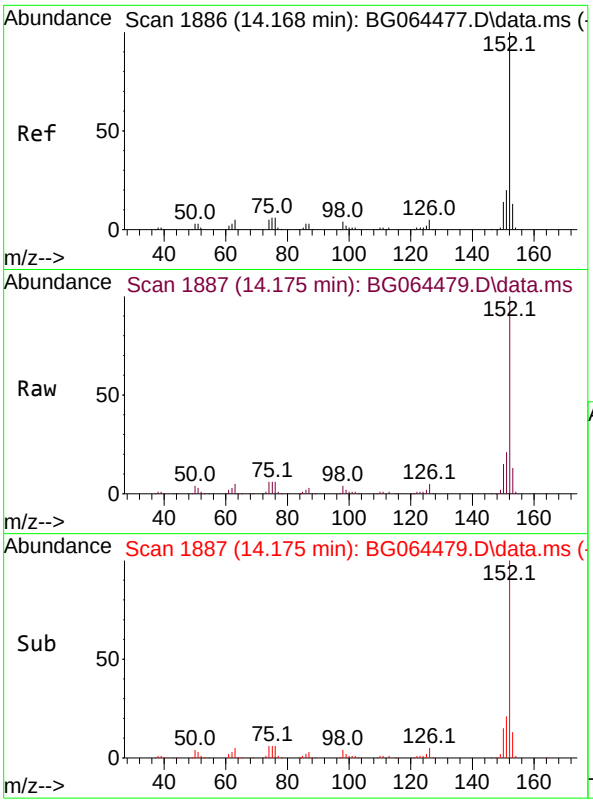


#48
2-Nitroaniline
Concen: 63.078 ng
RT: 13.528 min Scan# 1777
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

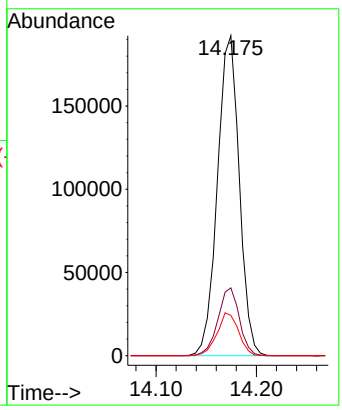




#49
Acenaphthylene
Concen: 61.645 ng
RT: 14.175 min Scan# 18
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:152 Resp: 29101

Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.8	23.6
153	12.6	10.6	15.8



Instrument :
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ClientSampleId :
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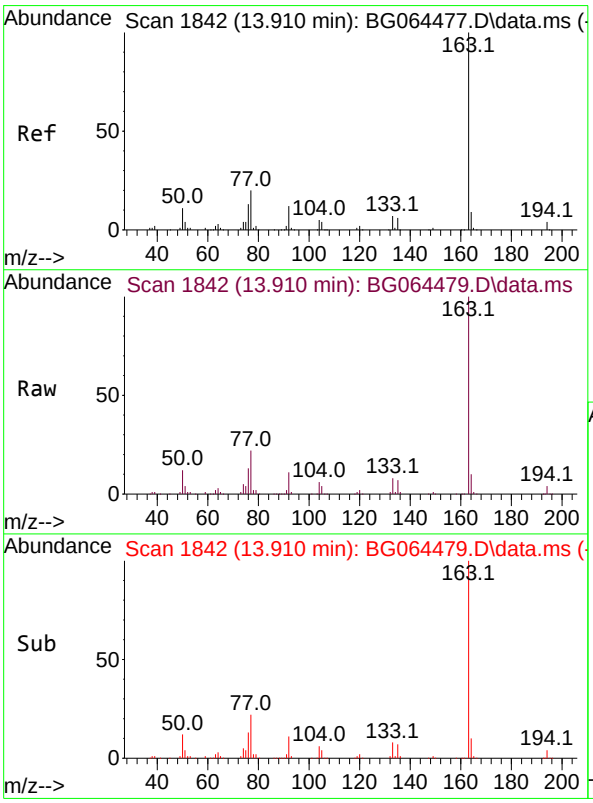
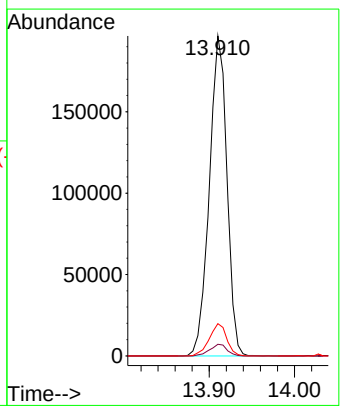
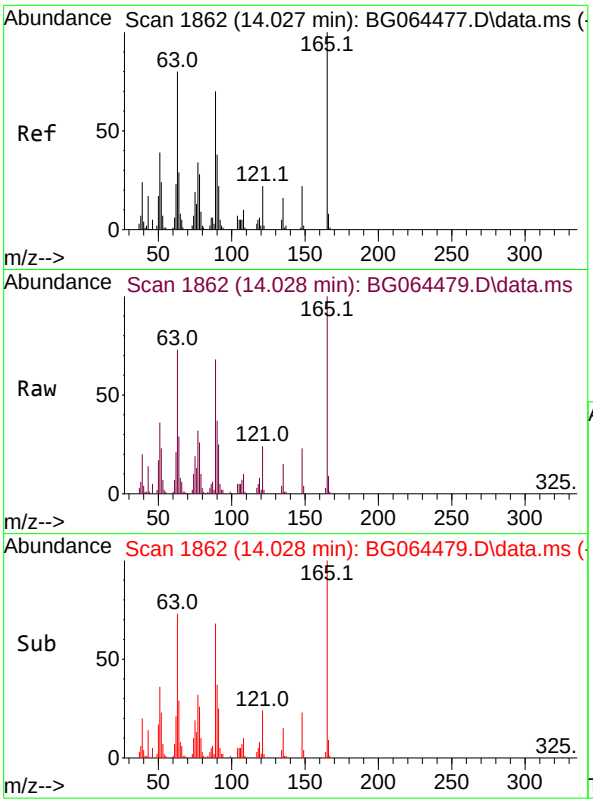


#50
Dimethylphthalate
Concen: 60.755 ng
RT: 13.910 min Scan# 1842
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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# 18
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:165 Resp: 6122

Ion	Ratio	Lower	Upper
165	100		
63	73.4	63.9	95.9
89	68.1	56.1	84.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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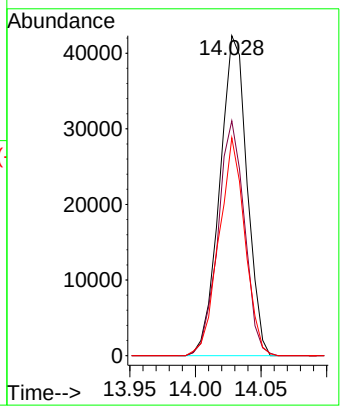
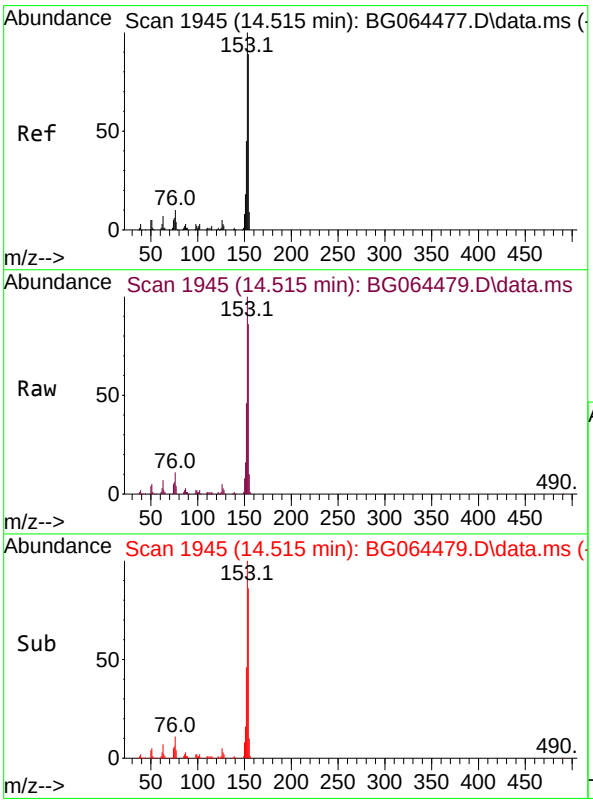
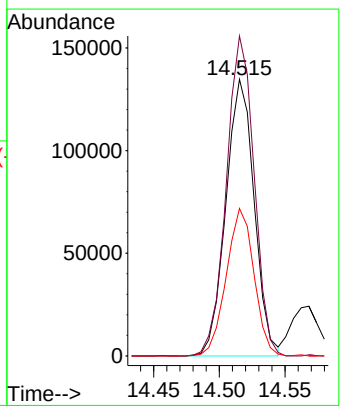


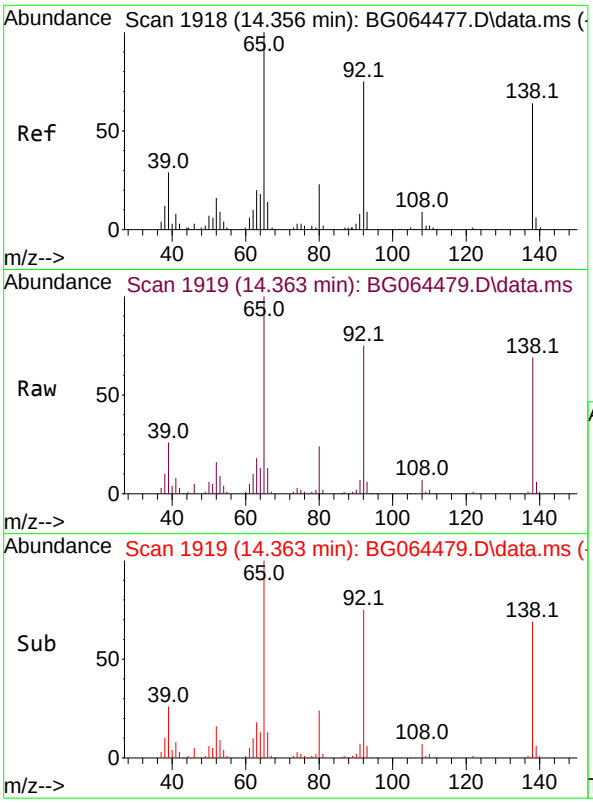


#52
Acenaphthene
Concen: 61.643 ng
RT: 14.515 min Scan# 1945
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

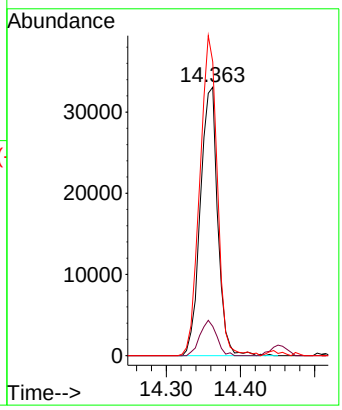




#53
3-Nitroaniline
Concen: 60.440 ng
RT: 14.363 min Scan# 19
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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



Instrument :
BNA_G
ClientSampleId :
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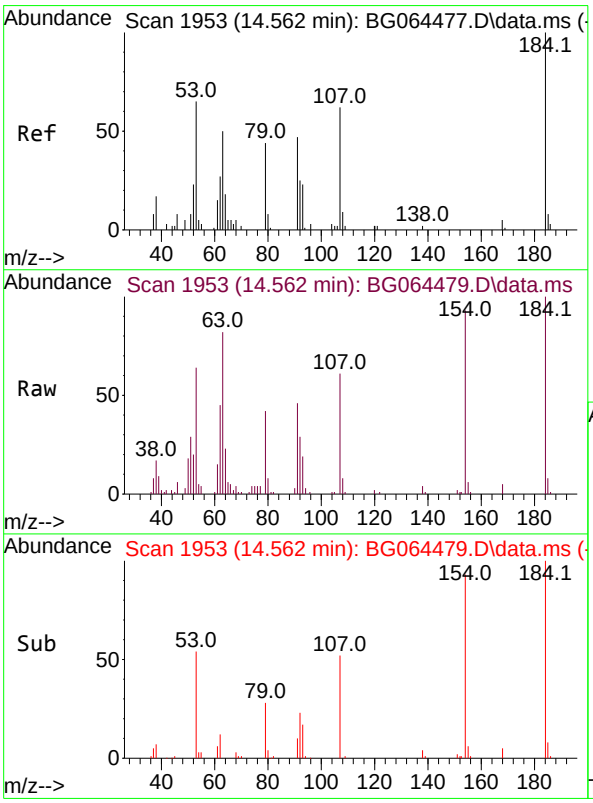
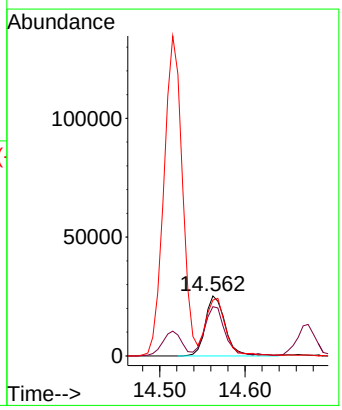
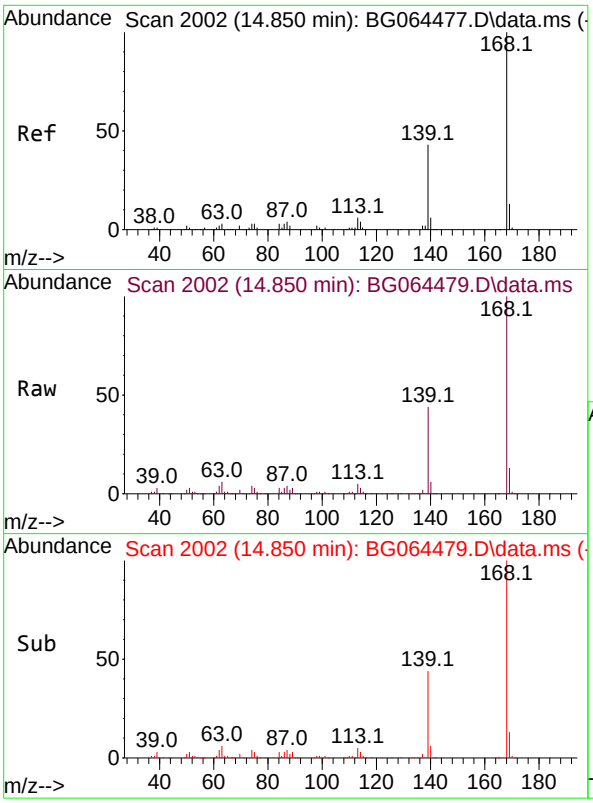


#54
2,4-Dinitrophenol
Concen: 58.053 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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#

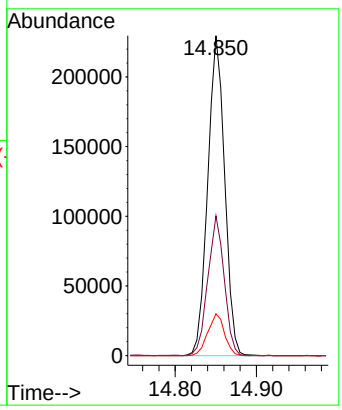




#55
Dibenzofuran
Concen: 61.429 ng
RT: 14.850 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:168 Resp: 33266

Ion	Ratio	Lower	Upper
168	100		
139	43.7	34.0	51.0
169	13.1	10.2	15.2



Instrument :
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ClientSampleId :
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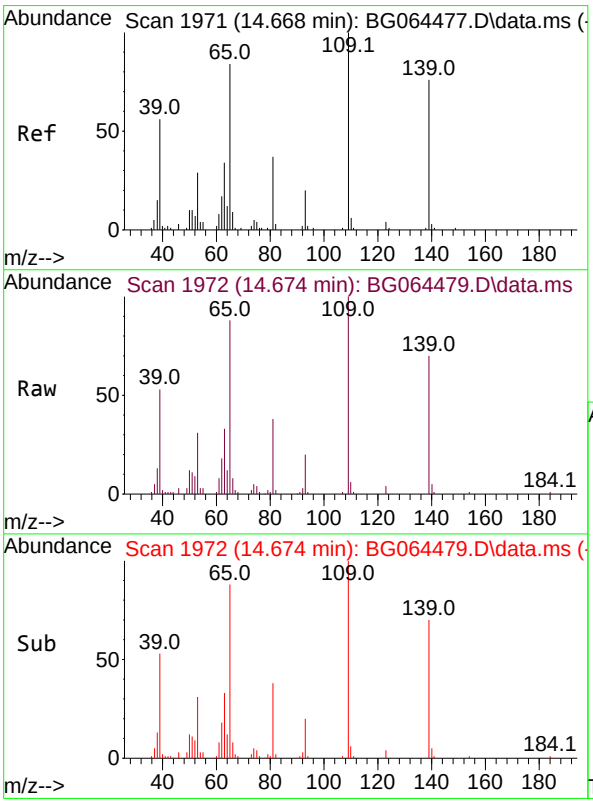
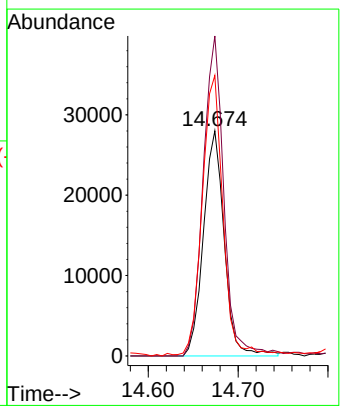
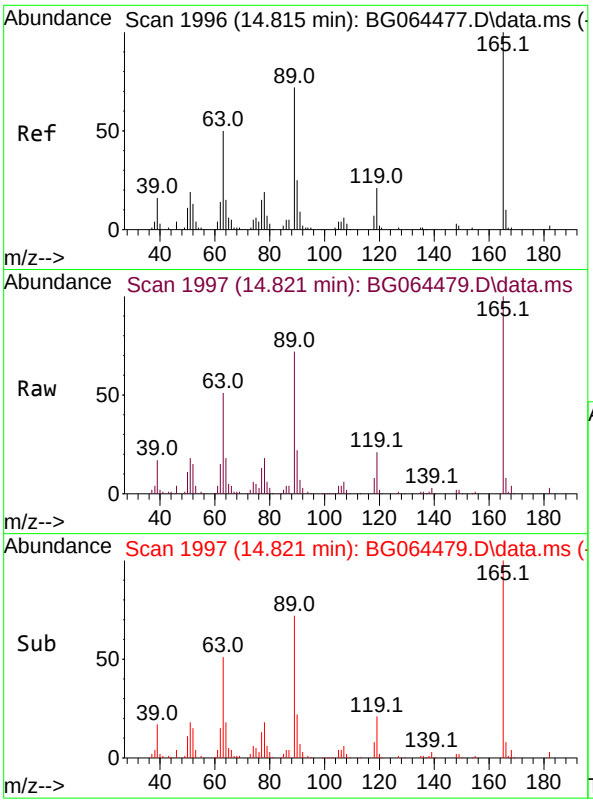


#56
4-Nitrophenol
Concen: 64.107 ng
RT: 14.674 min Scan# 1972
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

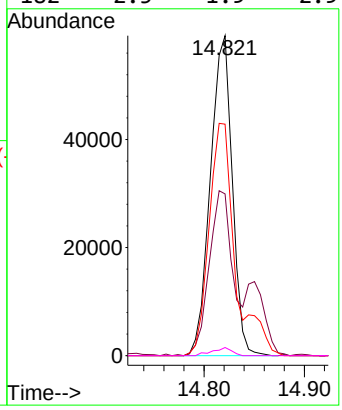




#57
2,4-Dinitrotoluene
Concen: 60.873 ng
RT: 14.821 min Scan# 19
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:165 Resp: 8991

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



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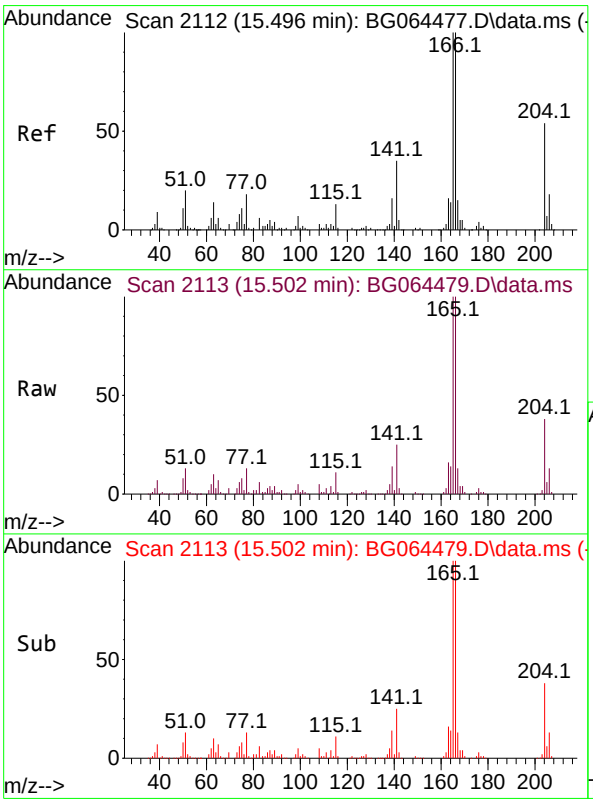
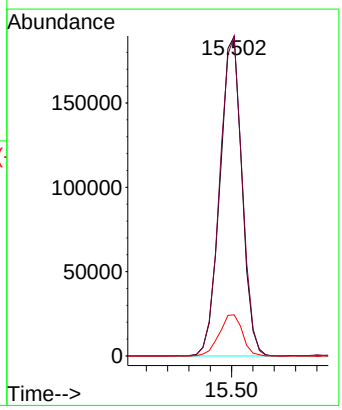
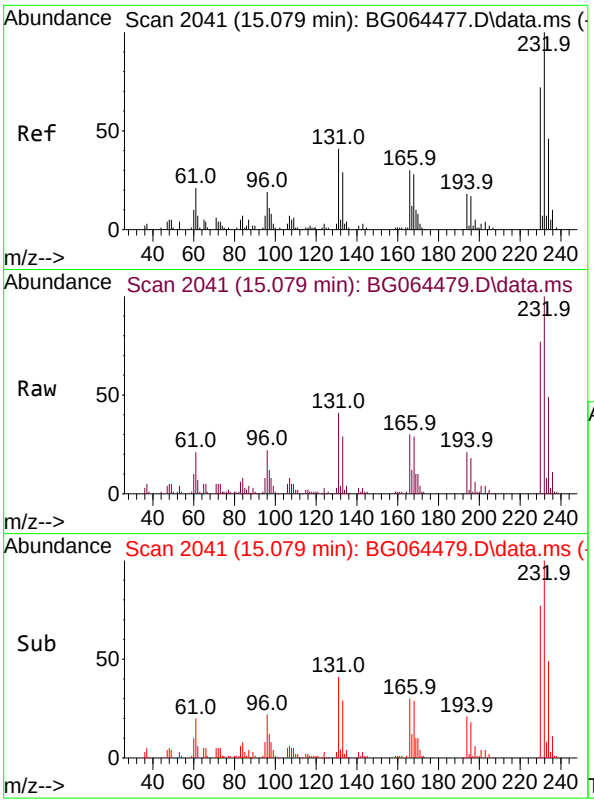


#58
Fluorene
Concen: 60.439 ng
RT: 15.502 min Scan# 2113
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

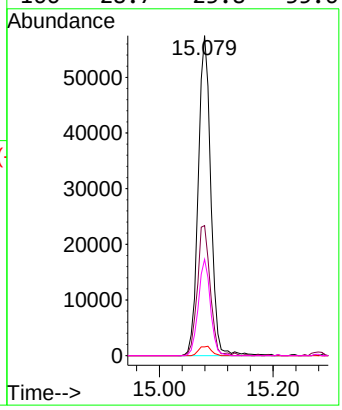




#59
2,3,4,6-Tetrachlorophenol
Concen: 62.984 ng
RT: 15.079 min Scan# 20
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:232 Resp: 8772

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



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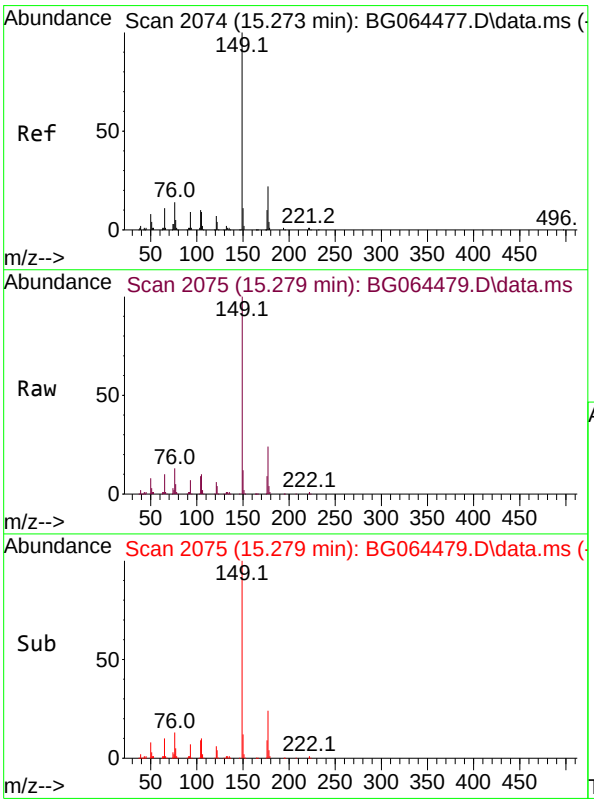
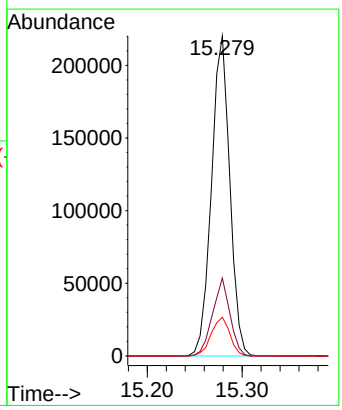
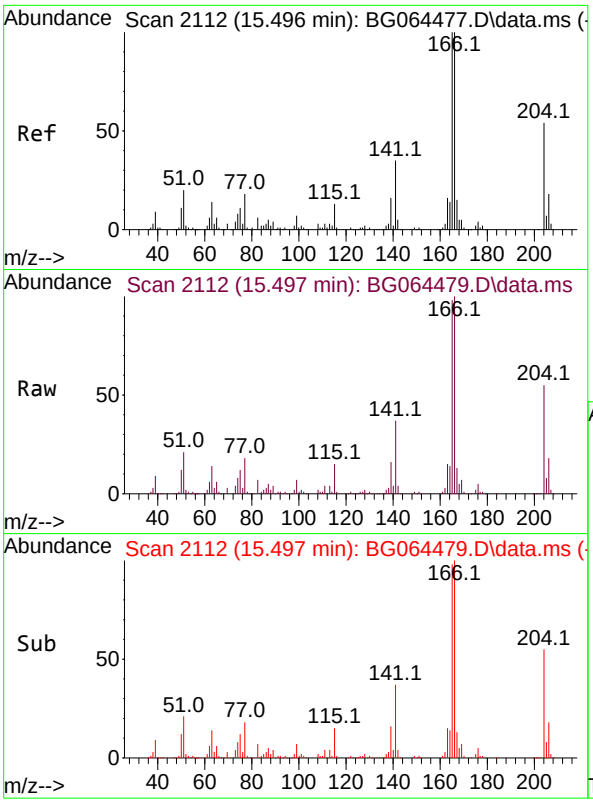


#60
Diethylphthalate
Concen: 59.367 ng
RT: 15.279 min Scan# 2075
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

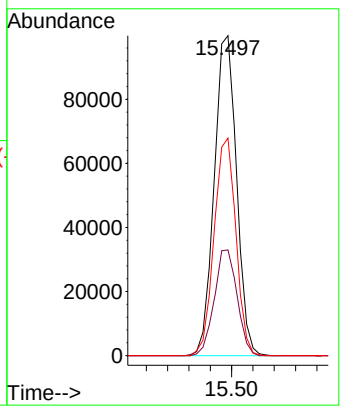




#61
4-Chlorophenyl-phenylether
Concen: 59.213 ng
RT: 15.497 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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



Instrument :
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ClientSampleId :
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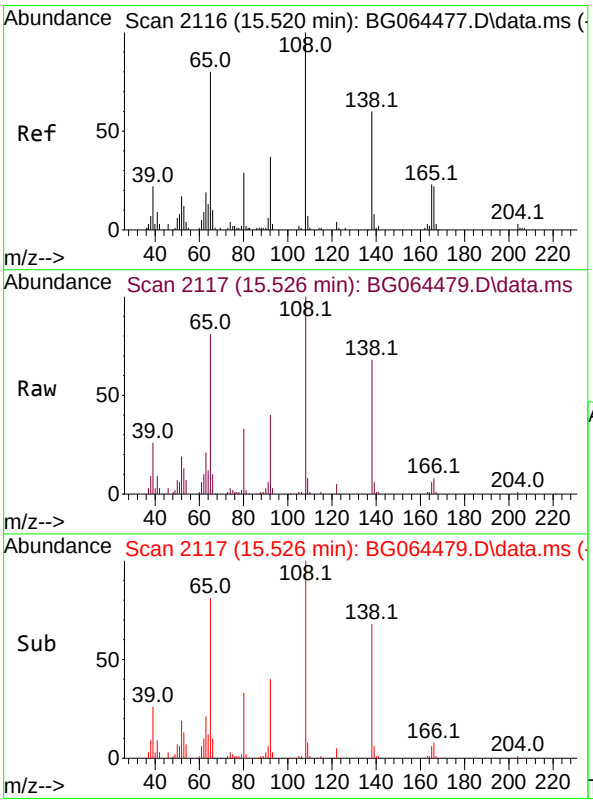
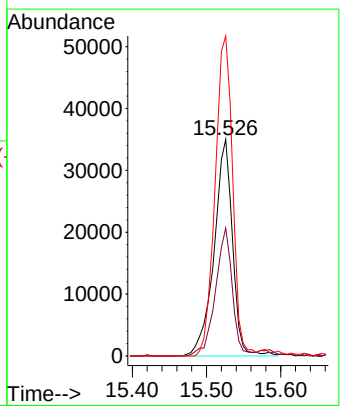
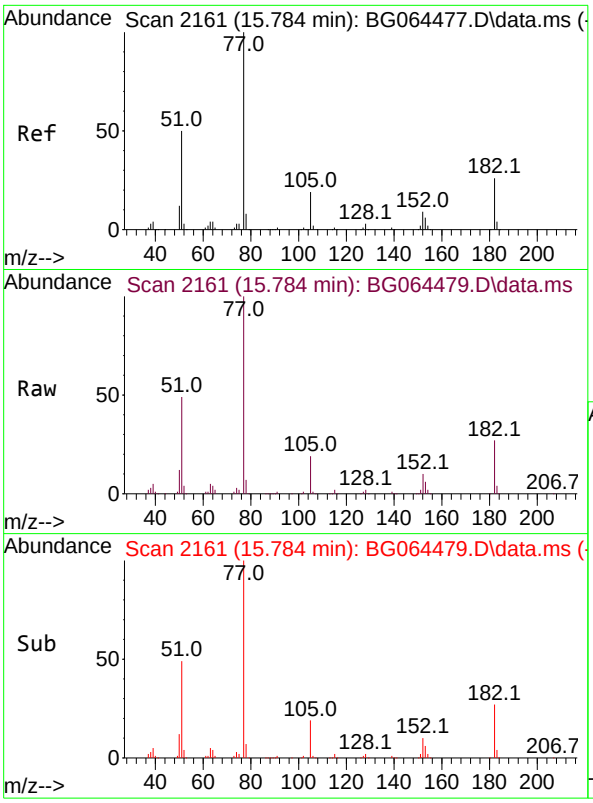


#62
4-Nitroaniline
Concen: 65.117 ng
RT: 15.526 min Scan# 2117
Delta R.T. 0.014 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

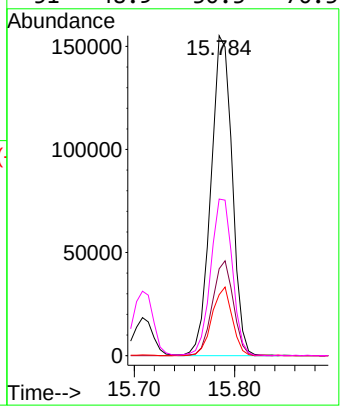




#63
Azobenzene
Concen: 59.443 ng
RT: 15.784 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion: 77 Resp: 22906

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



Instrument :
BNA_G
ClientSampleId :
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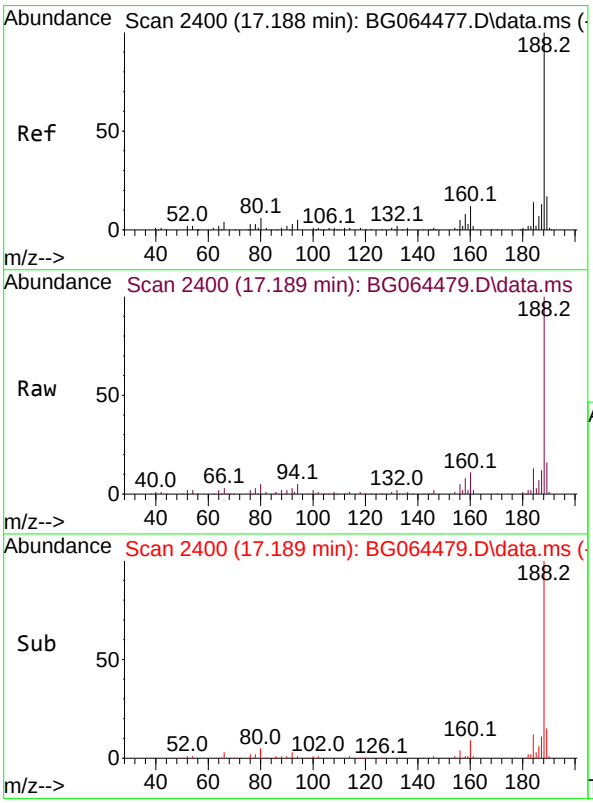
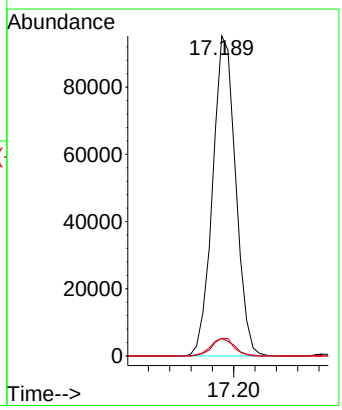
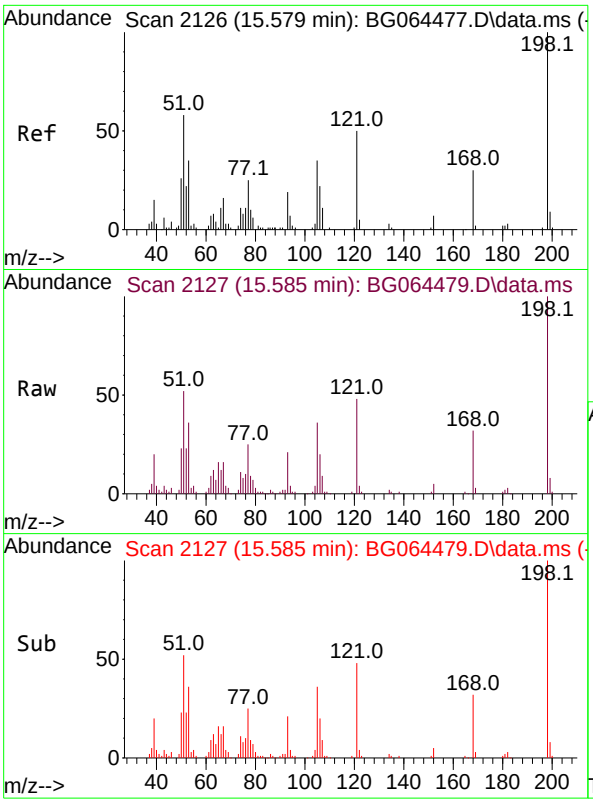


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

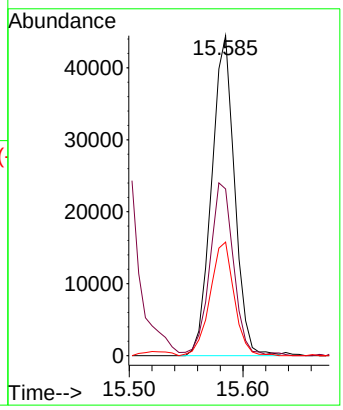




#65
4,6-Dinitro-2-methylphenol
Concen: 62.533 ng
RT: 15.585 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:198 Resp: 6229

Ion	Ratio	Lower	Upper
198	100		
51	52.1	39.0	79.0
105	35.5	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
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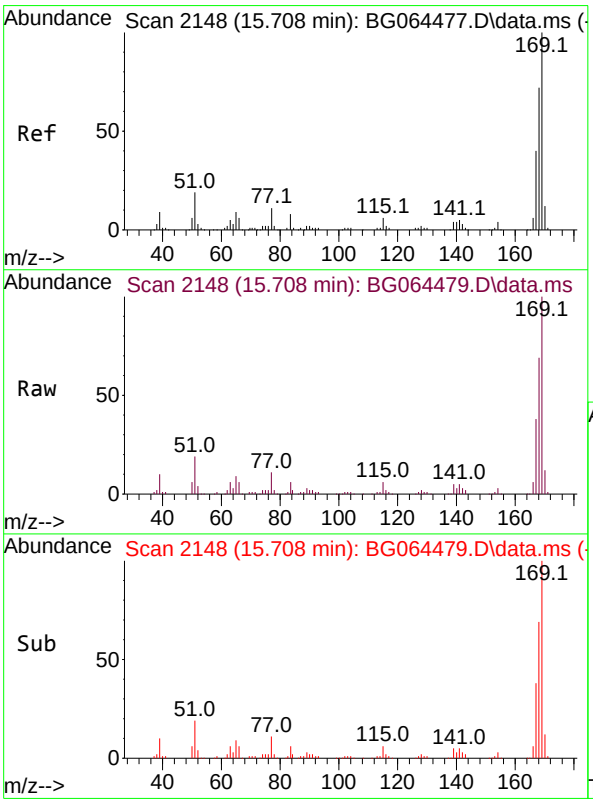
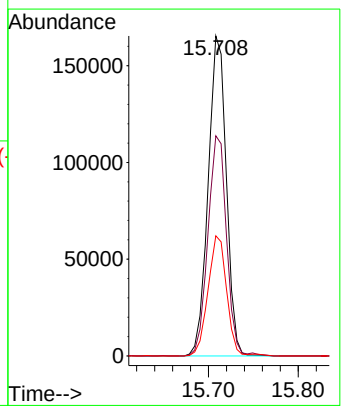
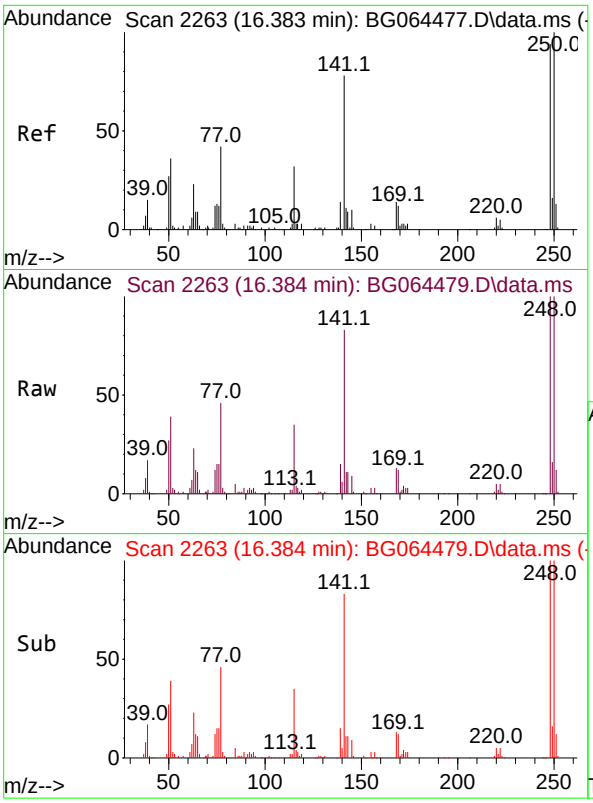


#66
n-Nitrosodiphenylamine
Concen: 60.822 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

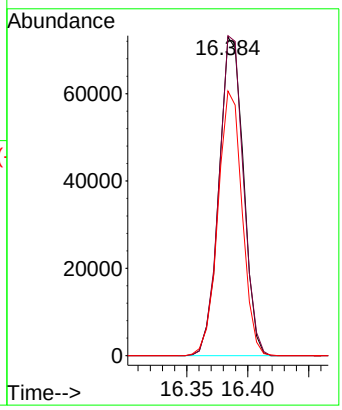




#67
4-Bromophenyl-phenylether
Concen: 60.380 ng
RT: 16.384 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:248 Resp: 10165

Ion	Ratio	Lower	Upper
248	100		
250	100.5	85.3	127.9
141	83.1	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
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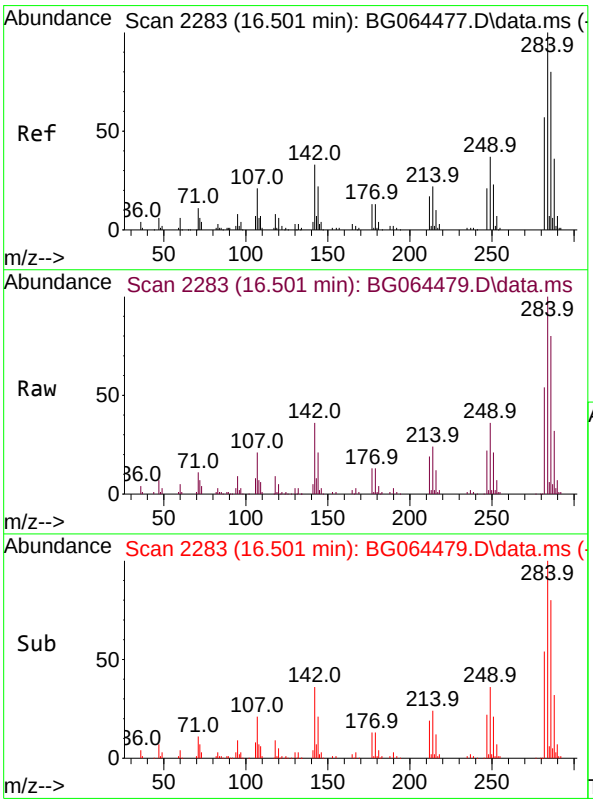
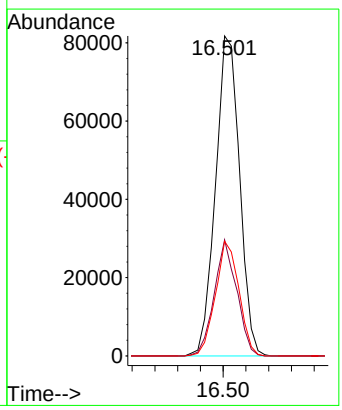
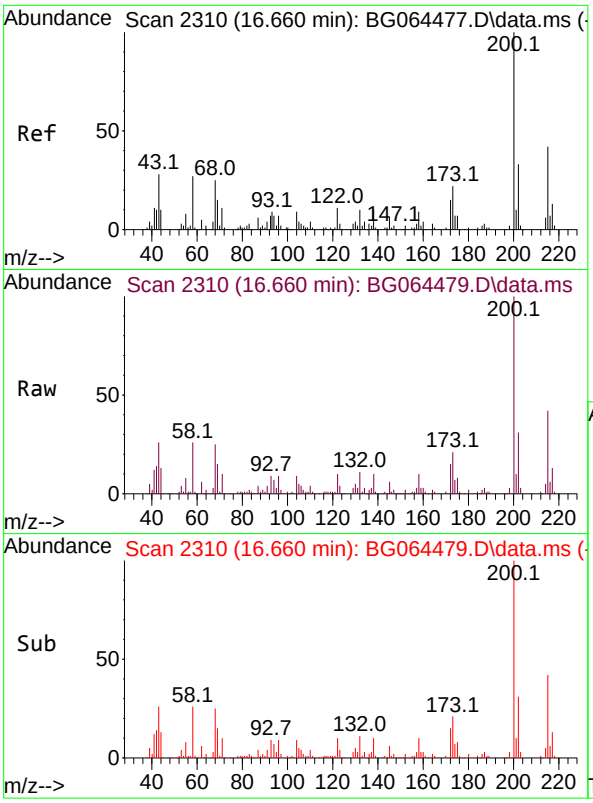


#68
Hexachlorobenzene
Concen: 62.318 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

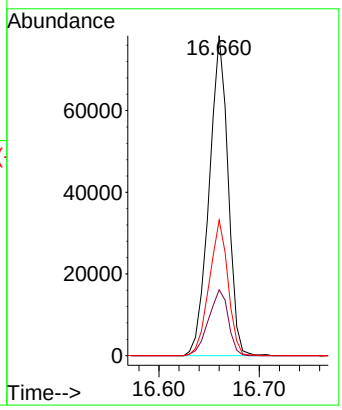




#69
Atrazine
Concen: 60.299 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:200 Resp: 10249

Ion	Ratio	Lower	Upper
200	100		
173	20.6	2.5	42.5
215	42.3	21.5	61.5



Instrument :
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ClientSampleId :
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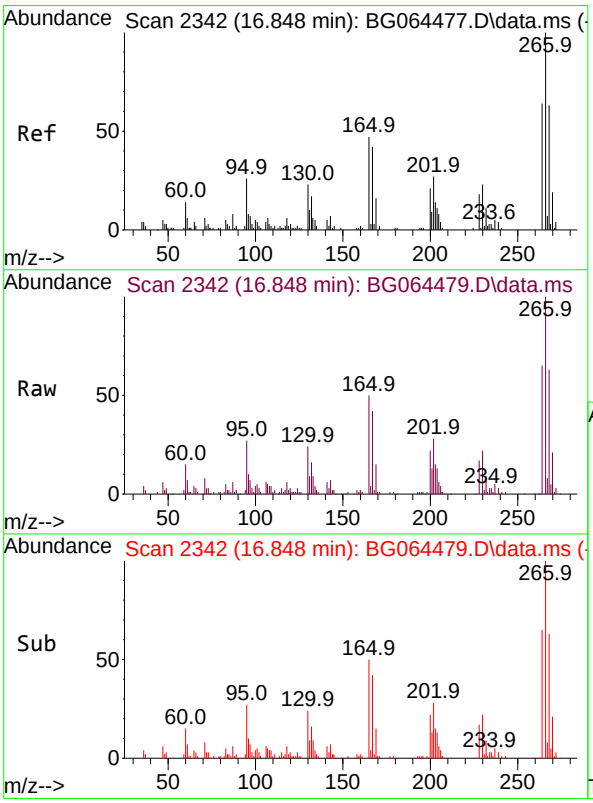
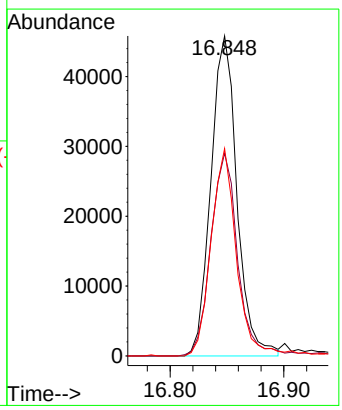
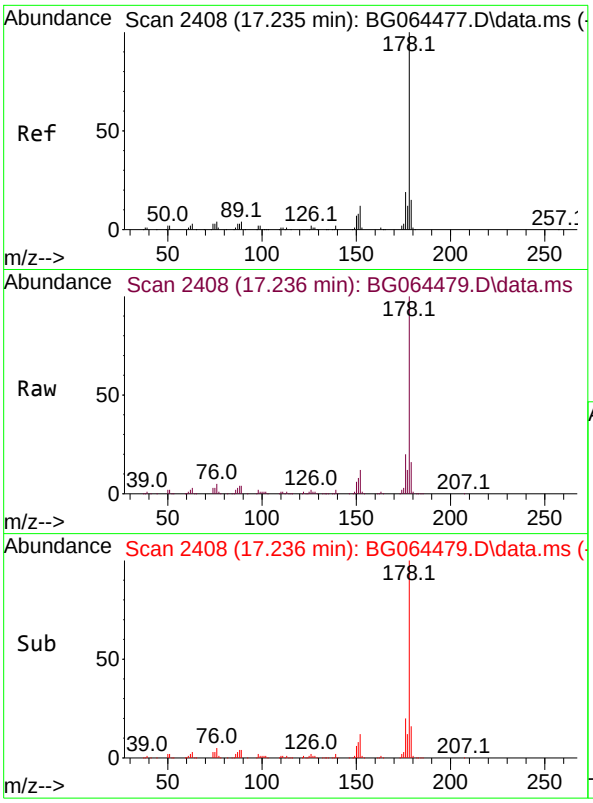


#70
Pentachlorophenol
Concen: 64.730 ng
RT: 16.848 min Scan# 2342
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

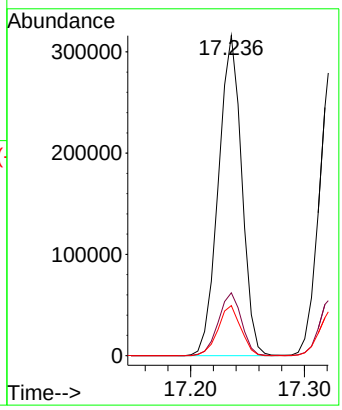




#71
Phenanthrene
Concen: 60.221 ng
RT: 17.236 min Scan# 24
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:178 Resp: 45058

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.2	22.8
179	15.6	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
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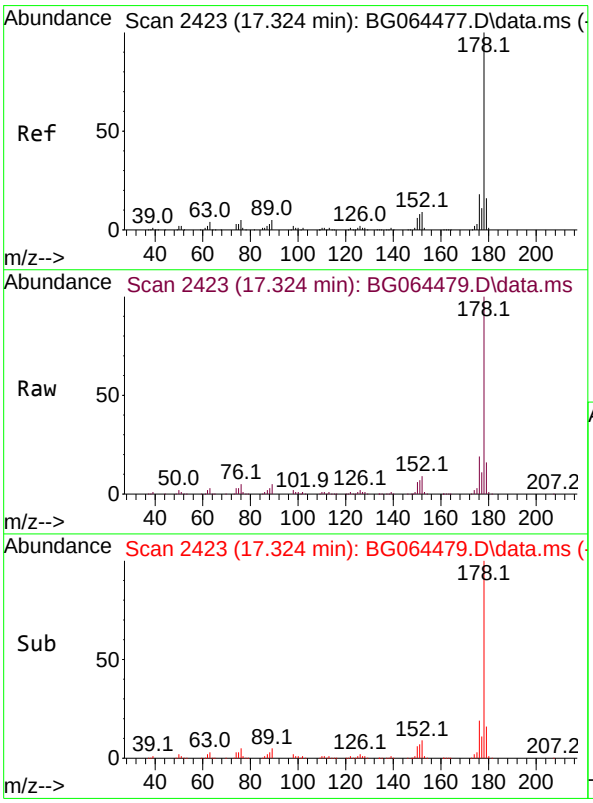
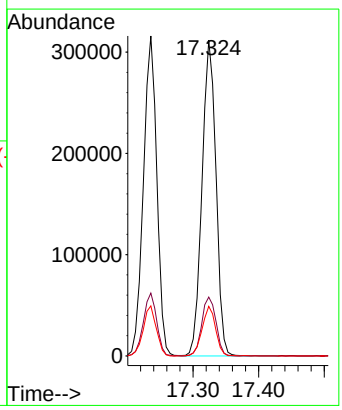
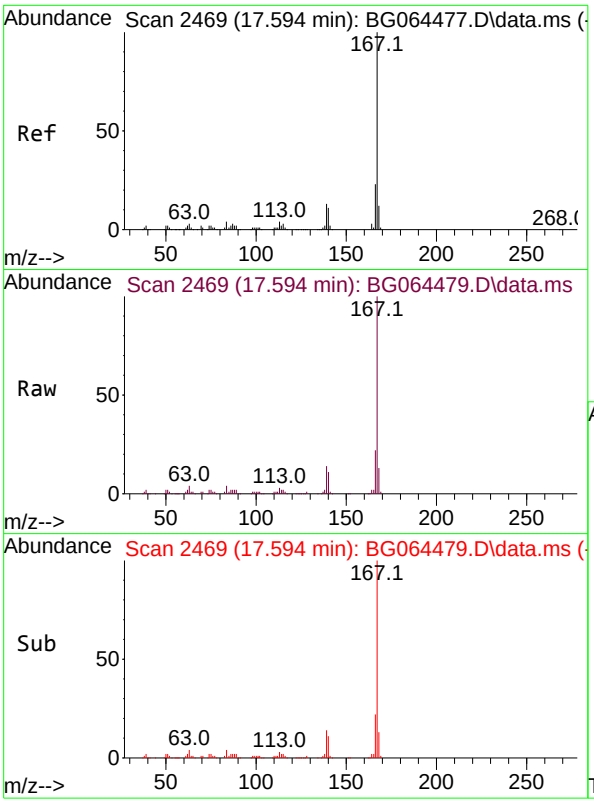


#72
Anthracene
Concen: 61.100 ng
RT: 17.324 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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# 24
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:167 Resp: 39552

Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.6	27.8
139	13.6	10.2	15.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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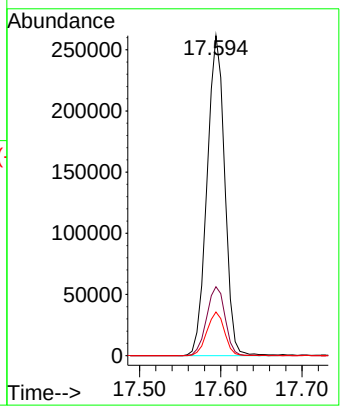
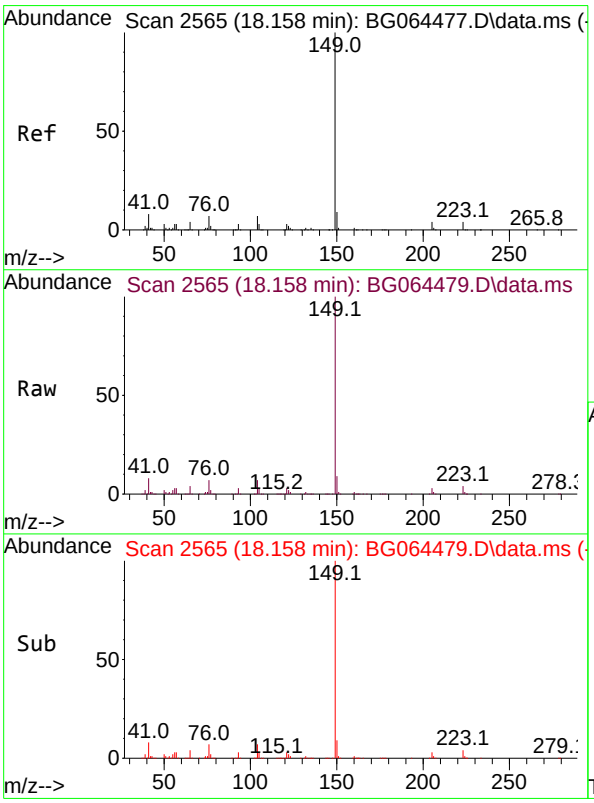
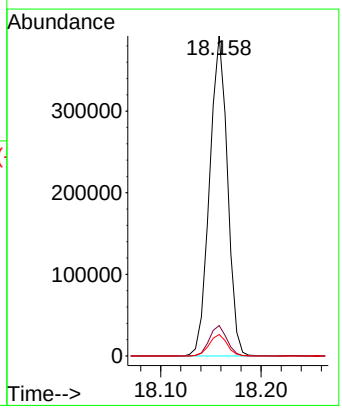


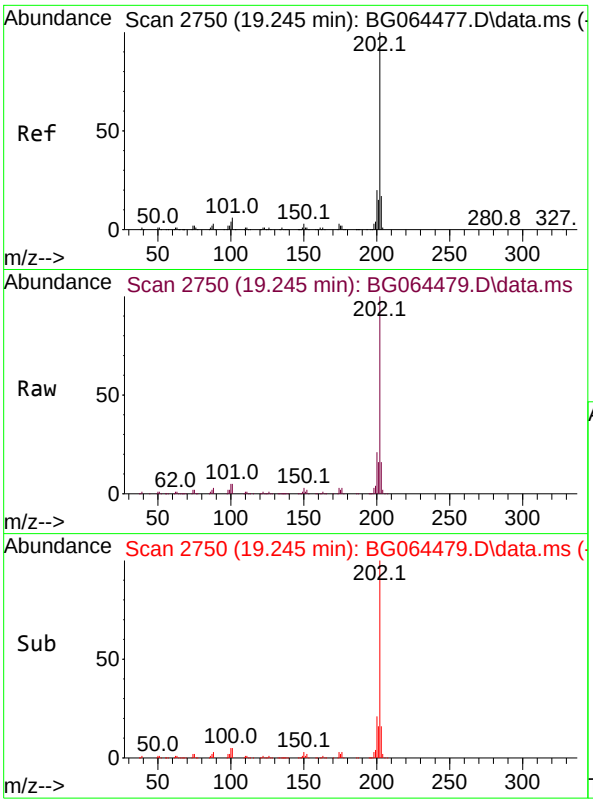


#74
Di-n-butylphthalate
Concen: 61.267 ng
RT: 18.158 min Scan# 2565
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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# 2
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:202 Resp: 53769

Ion	Ratio	Lower	Upper
202	100		
101	5.4	0.0	25.7
203	16.3	0.0	36.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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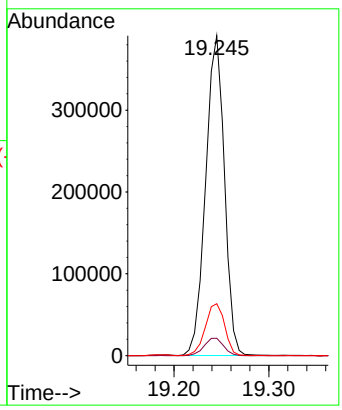
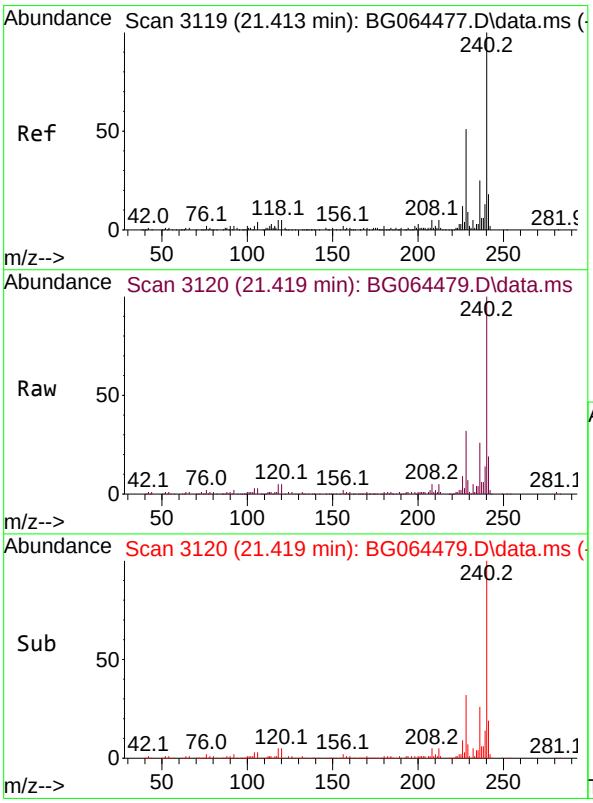
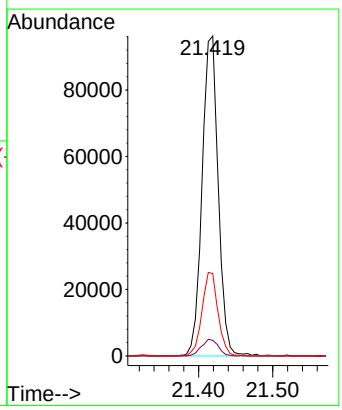


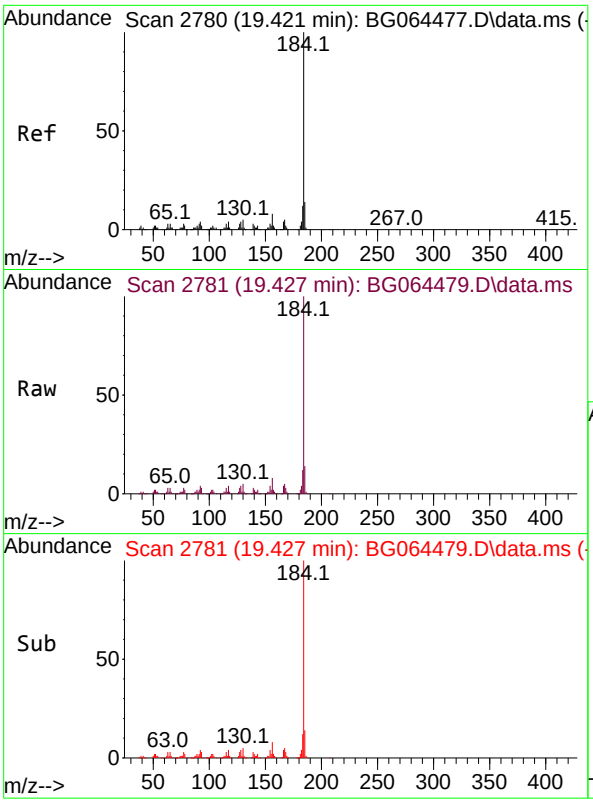


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.419 min Scan# 3120
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

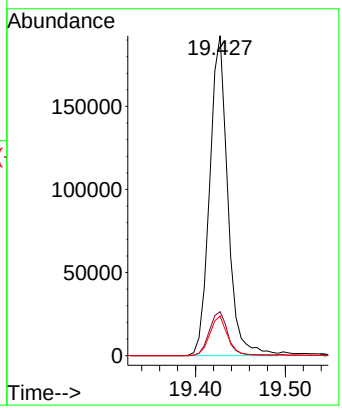




#77
Benzidine
Concen: 74.880 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:184 Resp: 27002

Ion	Ratio	Lower	Upper
184	100		
185	13.7	10.9	16.3
183	12.4	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
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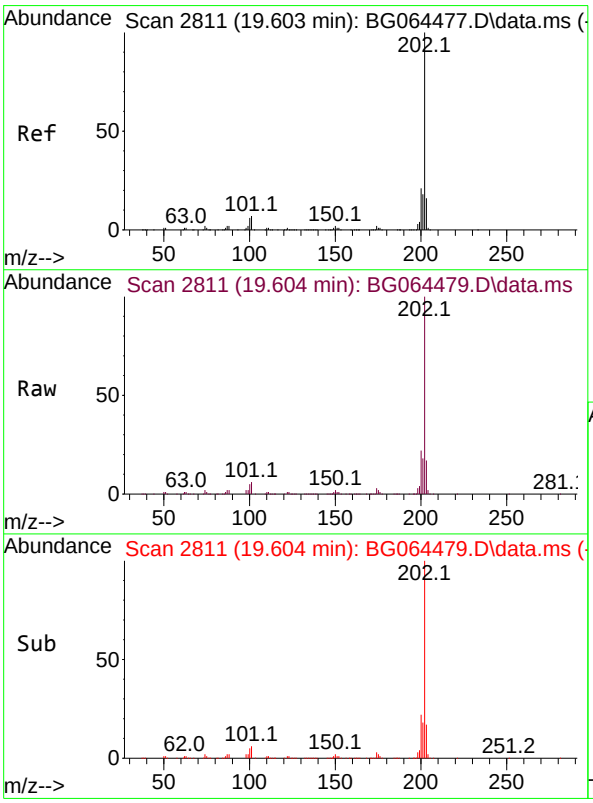
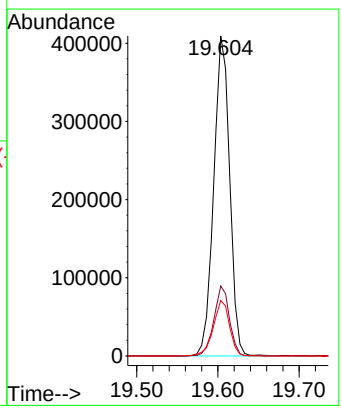
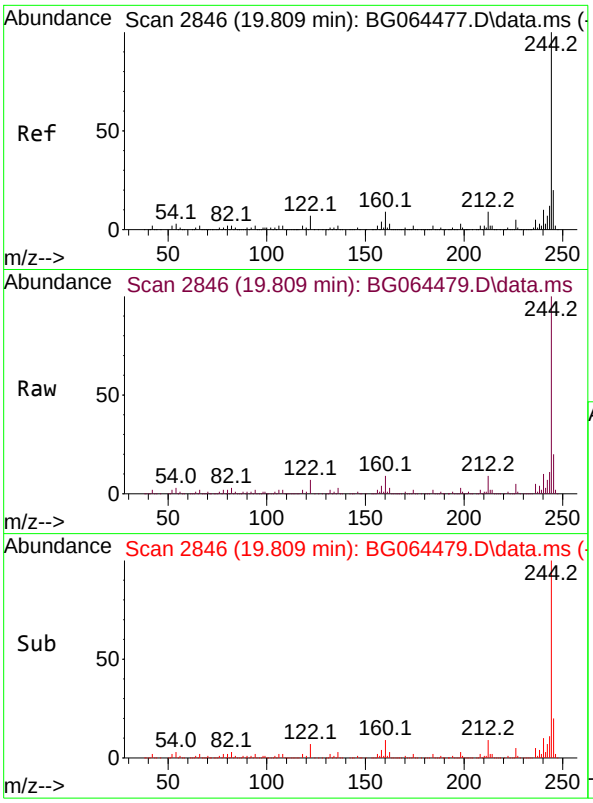


#78
Pyrene
Concen: 59.207 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

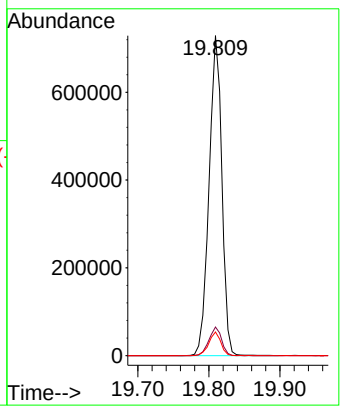




#79
Terphenyl-d14
Concen: 118.598 ng
RT: 19.809 min Scan# 28
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:244 Resp: 90817

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	7.4	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
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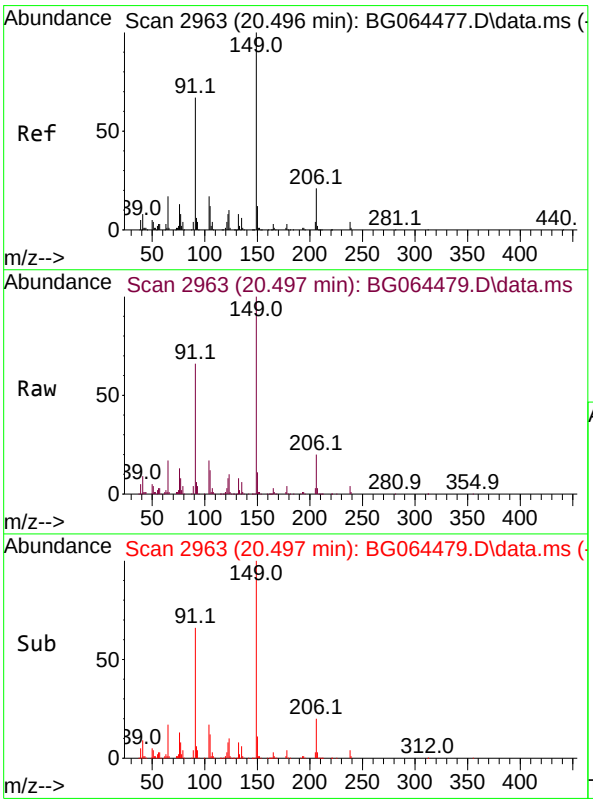
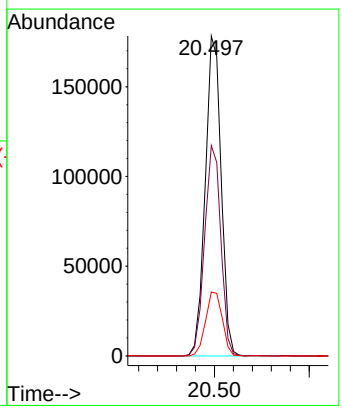
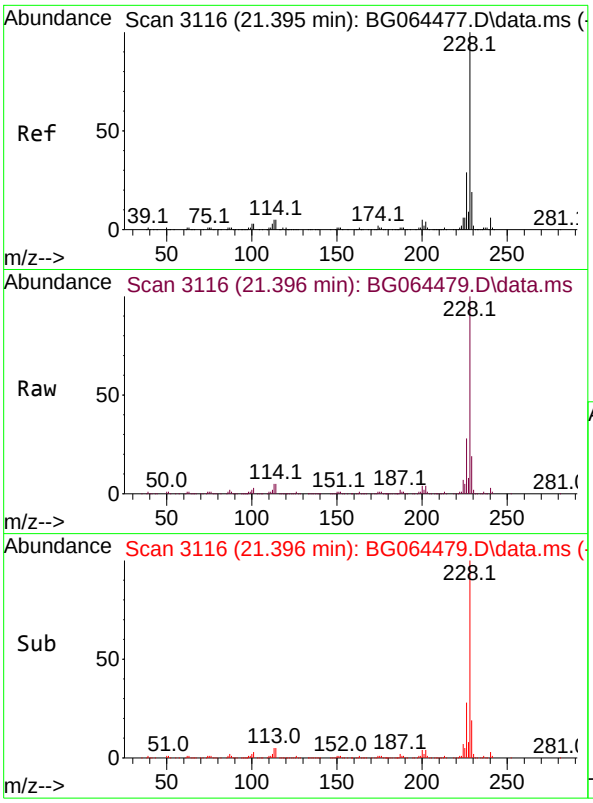


#80
Butylbenzylphthalate
Concen: 62.426 ng
RT: 20.497 min Scan# 2963
Delta R.T. -0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

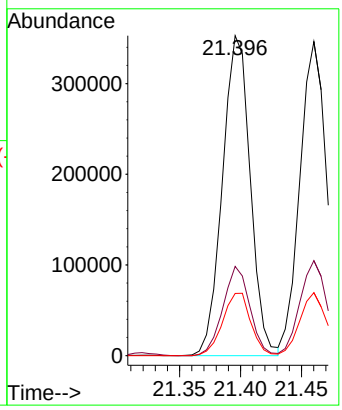




#81
Benzo(a)anthracene
Concen: 60.676 ng
RT: 21.396 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:228 Resp: 56145

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.8	34.2
229	19.4	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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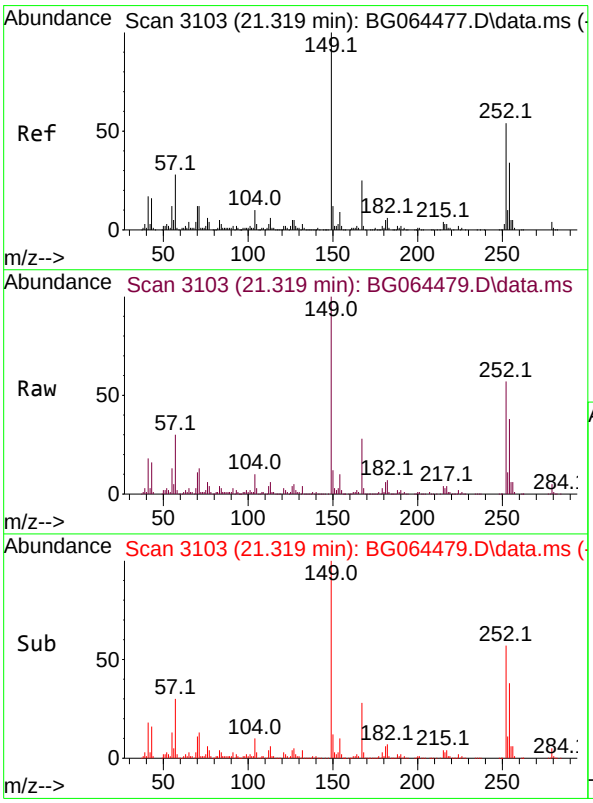
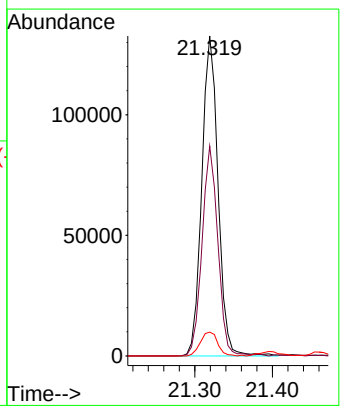
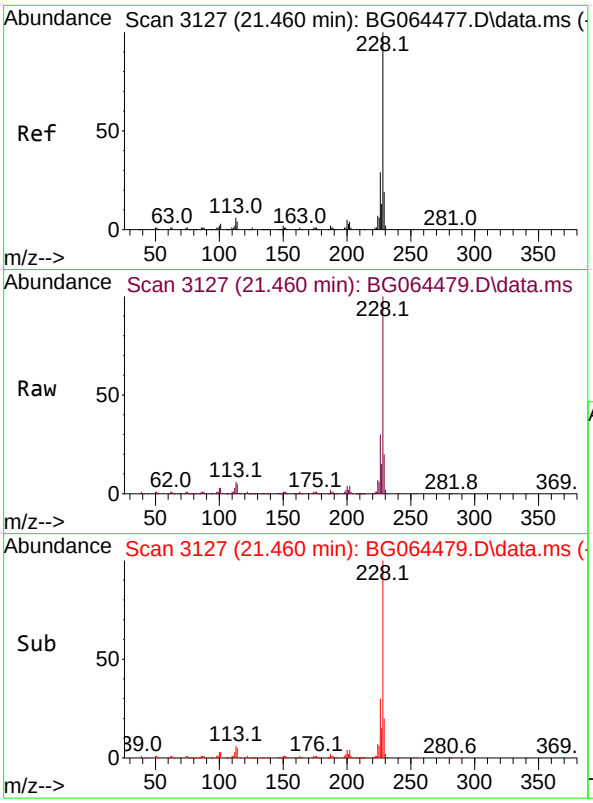


#82
3,3'-Dichlorobenzidine
Concen: 61.540 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

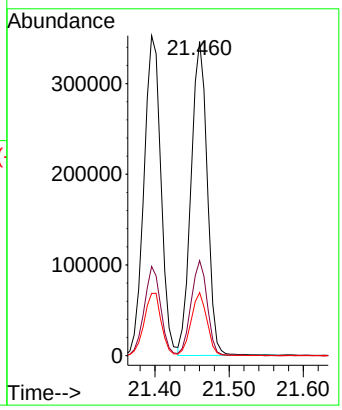




#83
Chrysene
Concen: 59.928 ng
RT: 21.460 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:228 Resp: 52589

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.8	34.2
229	20.0	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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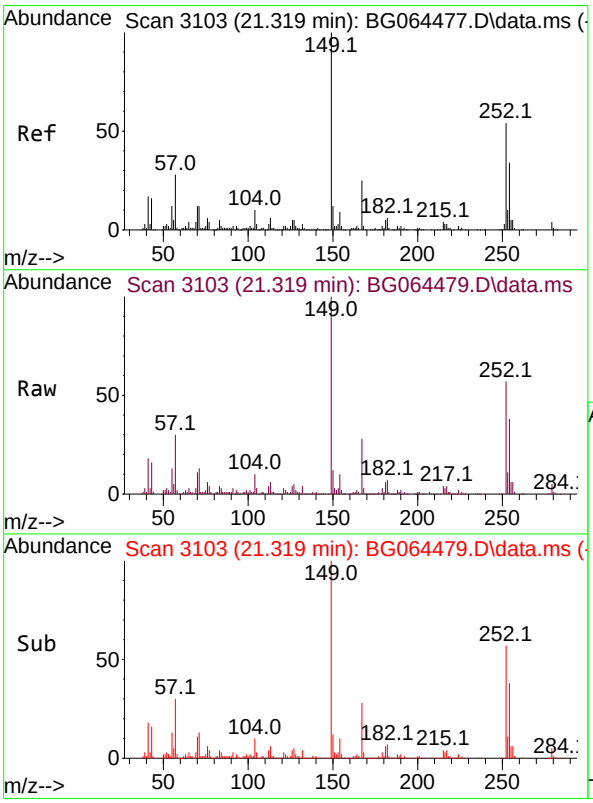
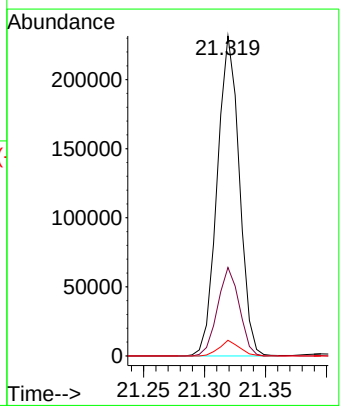
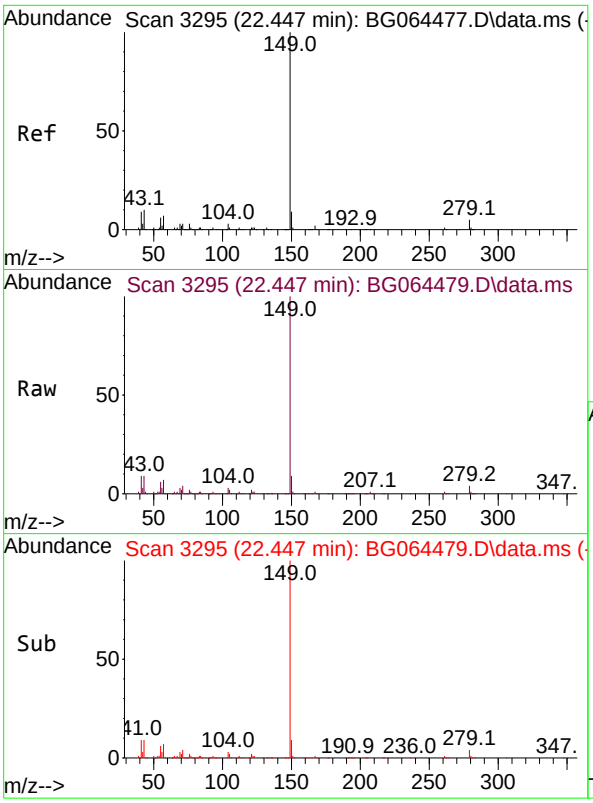


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.932 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

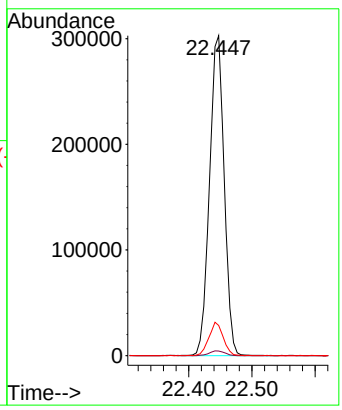




#85
Di-n-octyl phthalate
Concen: 61.881 ng
RT: 22.447 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:149 Resp: 48922

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	10.2	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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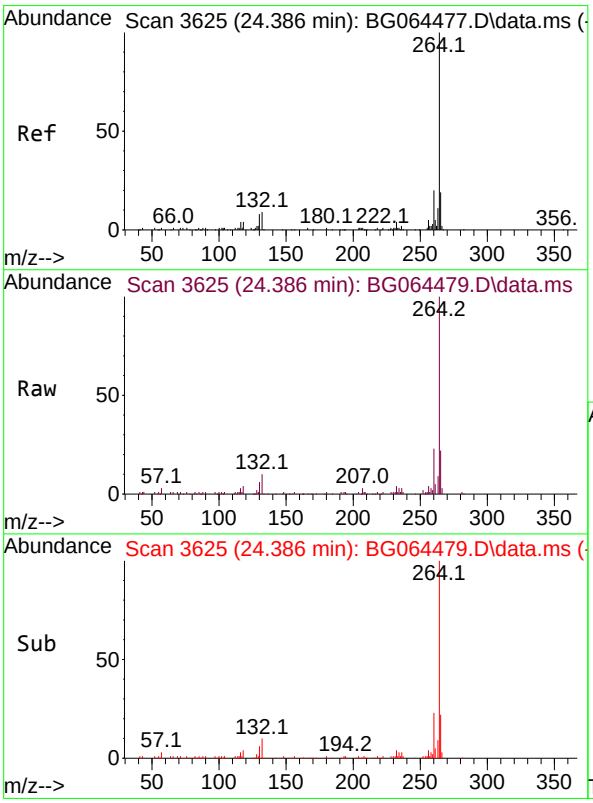
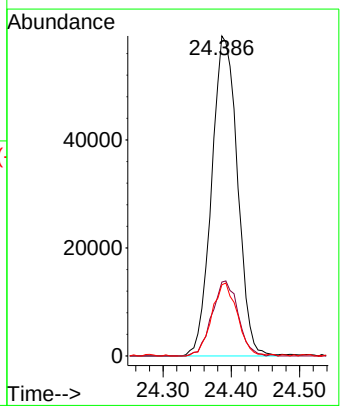
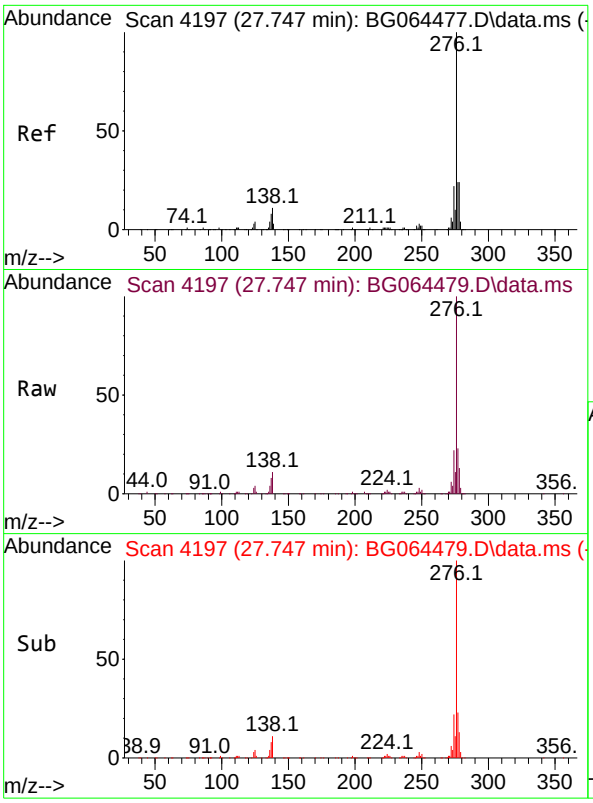


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.386 min Scan# 3625
Delta R.T. -0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

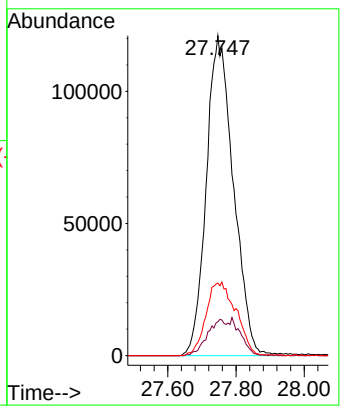




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.679 ng
RT: 27.747 min Scan# 41
Delta R.T. 0.015 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:276 Resp: 66557

Ion	Ratio	Lower	Upper
276	100		
138	7.6	10.8	16.2#
277	25.4	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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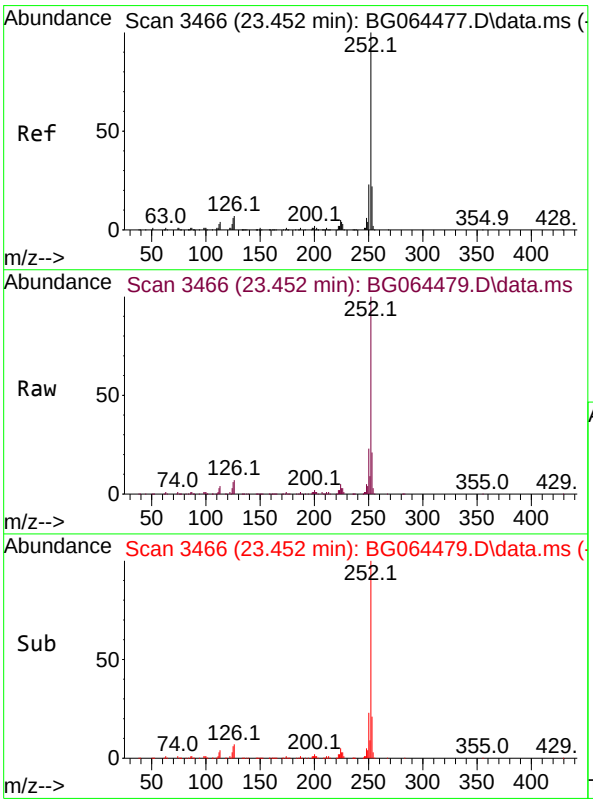
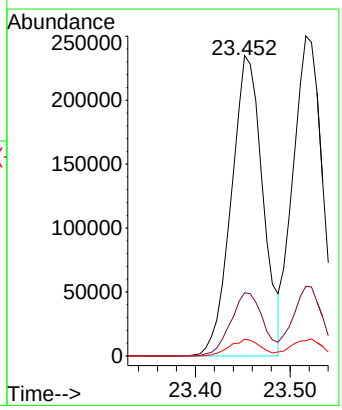
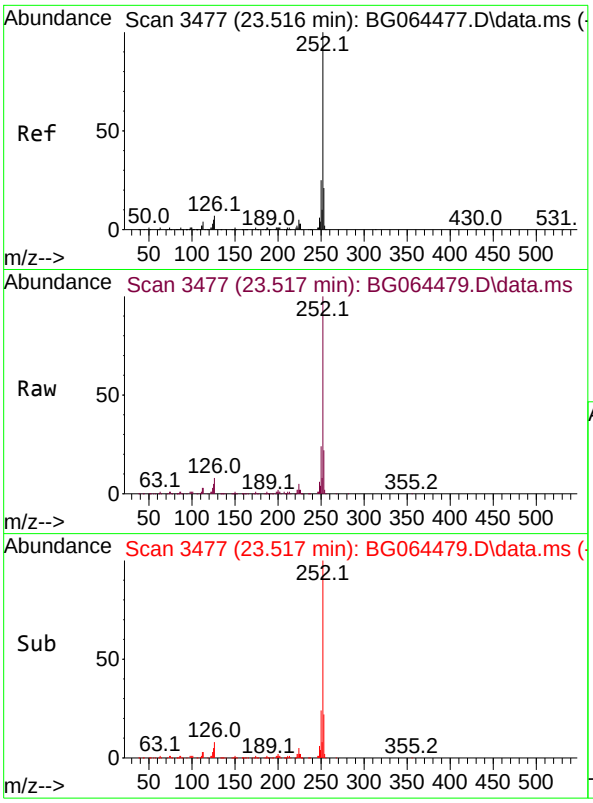


#88
Benzo(b)fluoranthene
Concen: 61.635 ng
RT: 23.452 min Scan# 3466
Delta R.T. 0.003 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

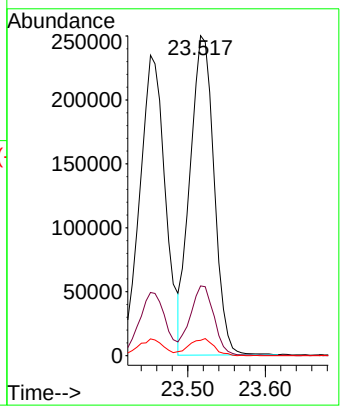




#89
Benzo(k)fluoranthene
Concen: 60.551 ng
RT: 23.517 min Scan# 34
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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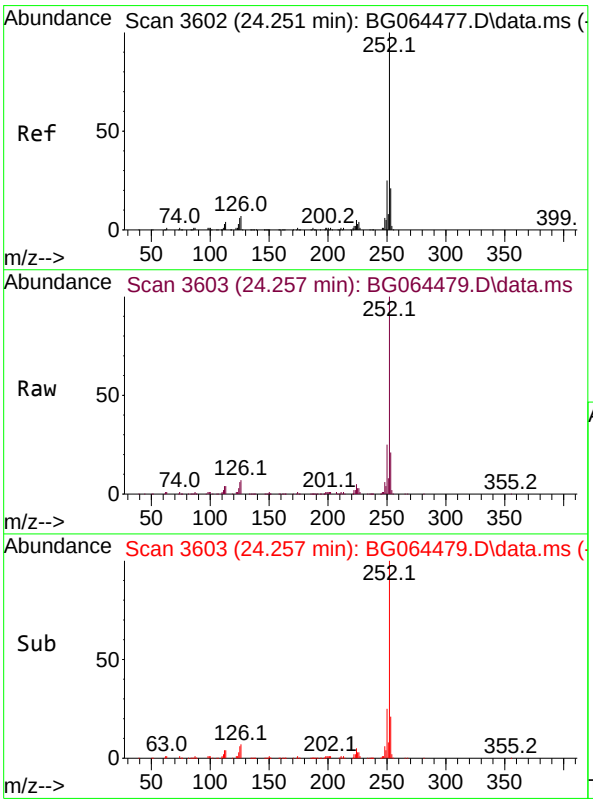
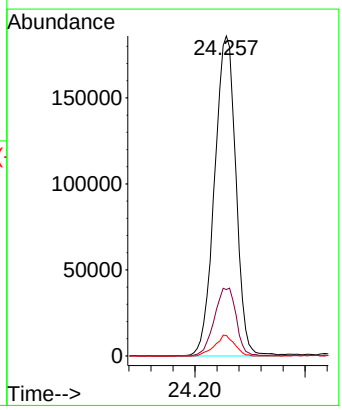
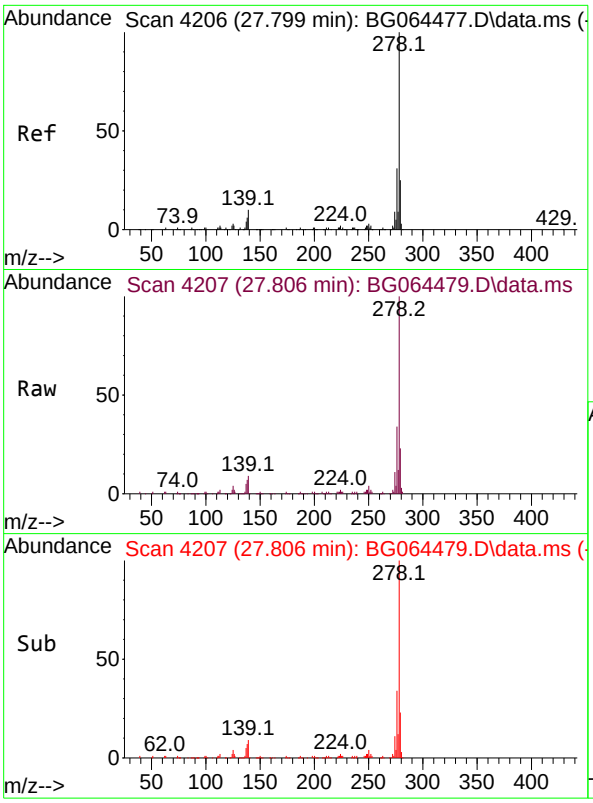


#90
Benzo(a)pyrene
Concen: 61.533 ng
RT: 24.257 min Scan# 3603
Delta R.T. 0.009 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

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

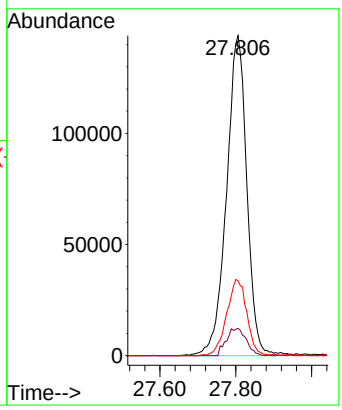




#91
Dibenzo(a,h)anthracene
Concen: 62.043 ng
RT: 27.806 min Scan# 4
Delta R.T. 0.026 min
Lab File: BG064479.D
Acq: 2 Oct 2025 13:35

Tgt Ion:278 Resp: 535408

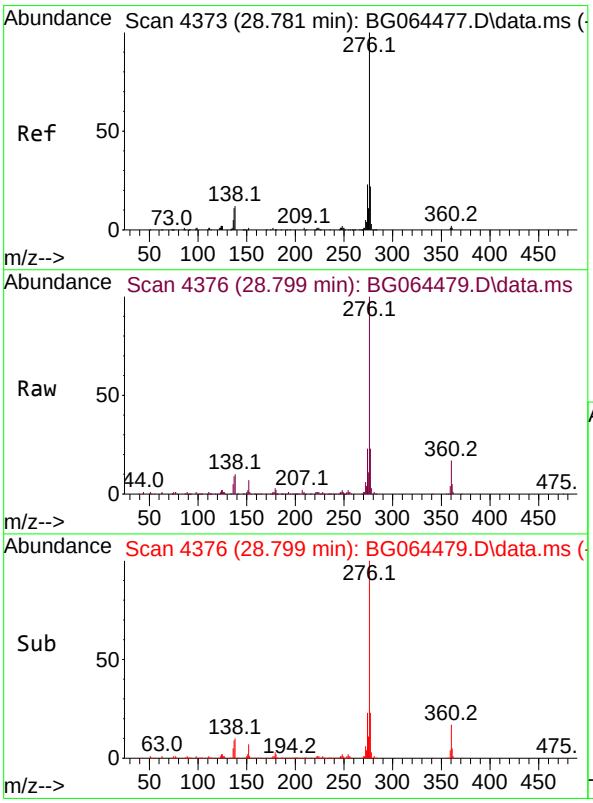
Ion	Ratio	Lower	Upper
278	100		
139	8.6	8.2	12.2
279	23.4	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

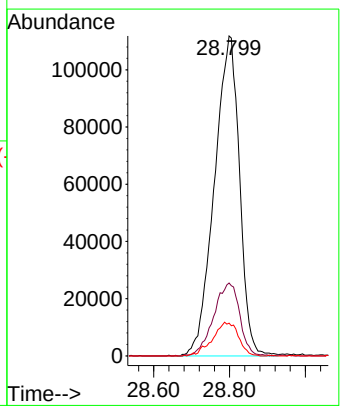
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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

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

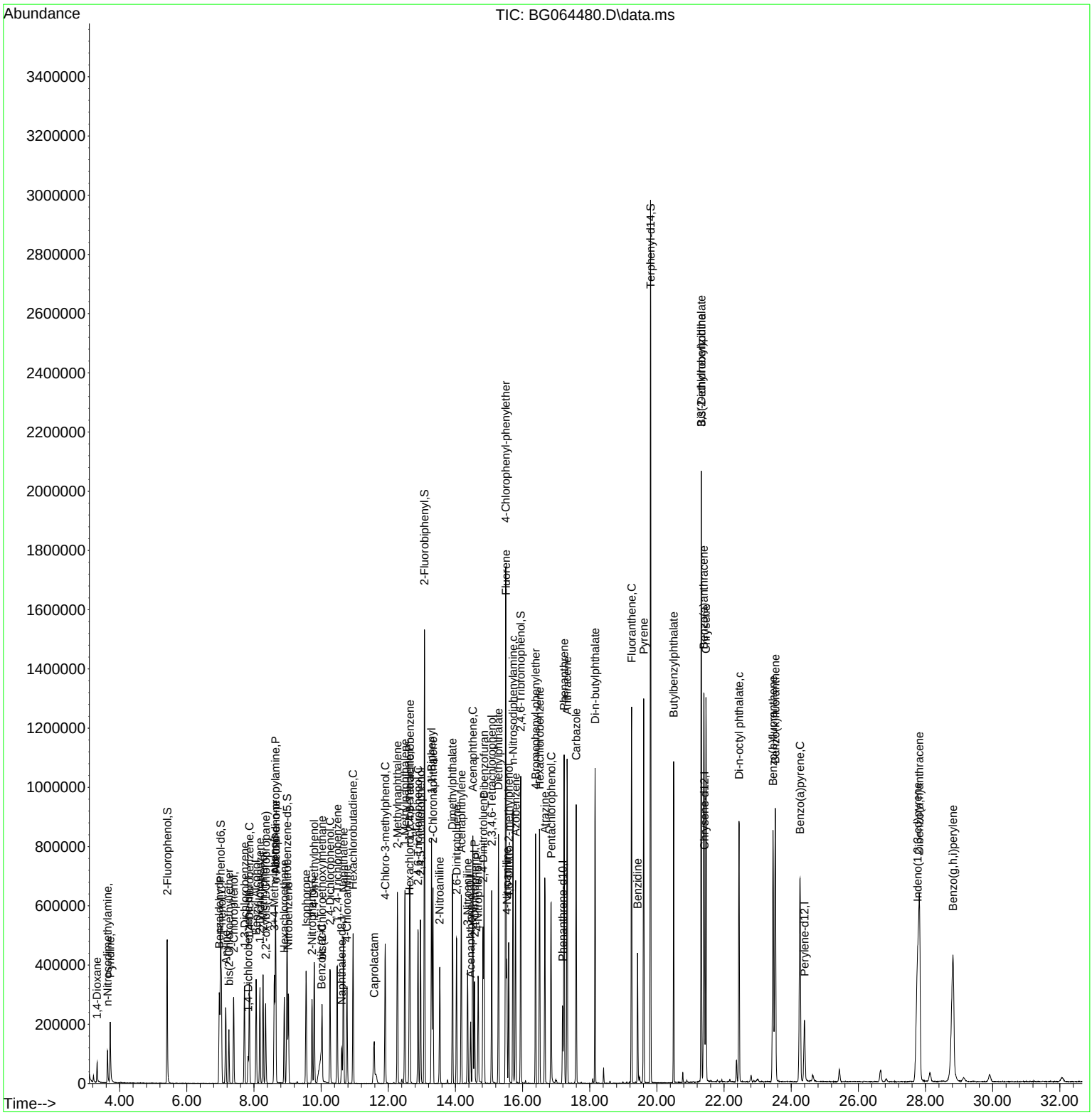
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064480.D
Acq On : 2 Oct 2025 14:16
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

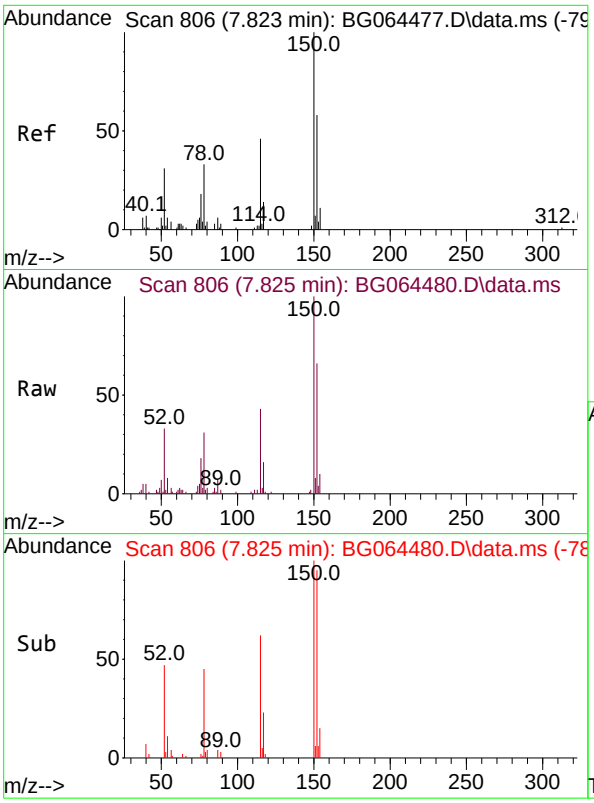
Quant Time: Oct 02 16:53:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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

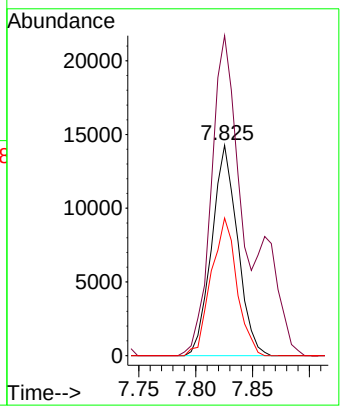




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.825 min Scan# 80
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:152 Resp: 2253

Ion	Ratio	Lower	Upper
152	100		
150	152.2	138.6	207.8
115	65.4	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
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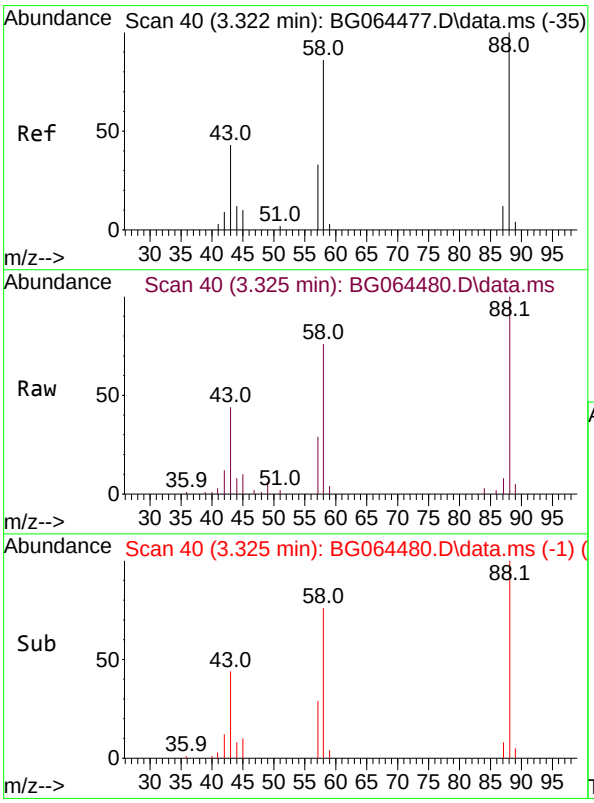
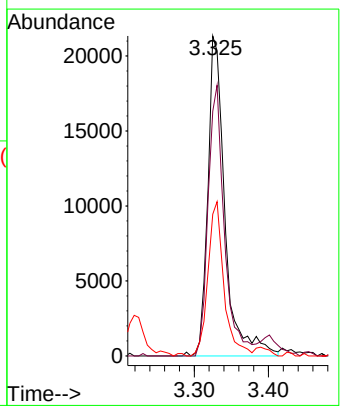
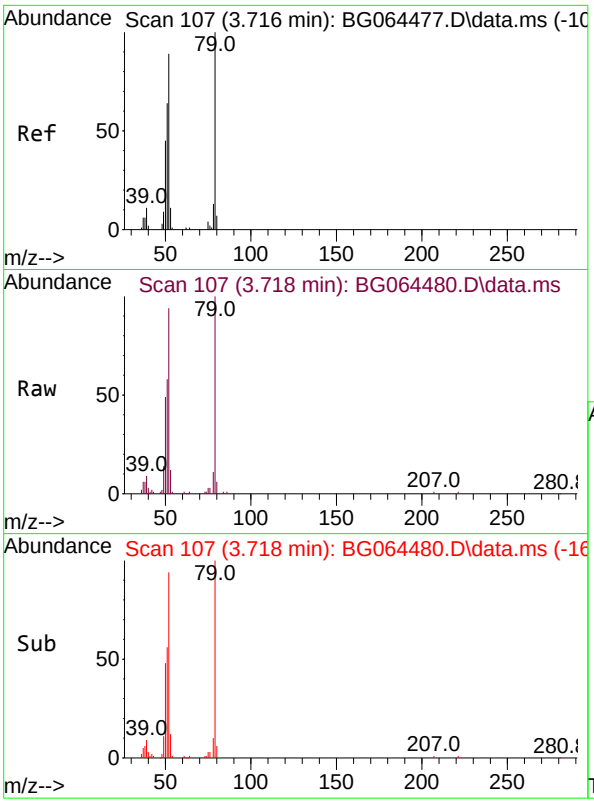


#2
1,4-Dioxane
Concen: 71.240 ng
RT: 3.325 min Scan# 40
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

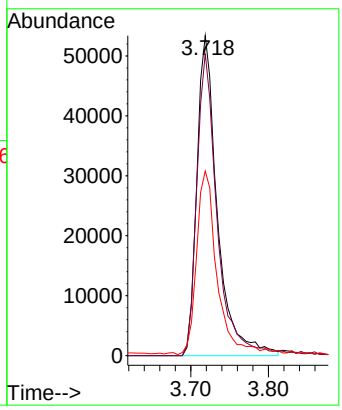




#3
Pyridine
Concen: 75.592 ng
RT: 3.718 min Scan# 10
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 79 Resp: 9784

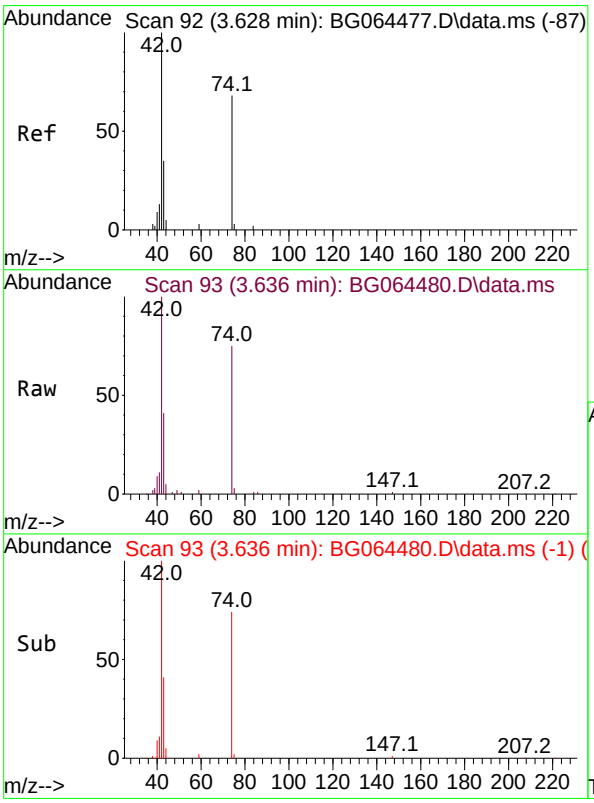
Ion	Ratio	Lower	Upper
79	100		
52	94.4	71.0	106.4
51	57.7	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

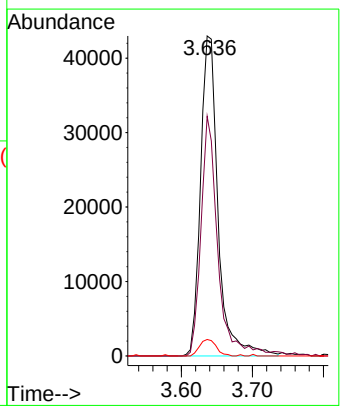
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

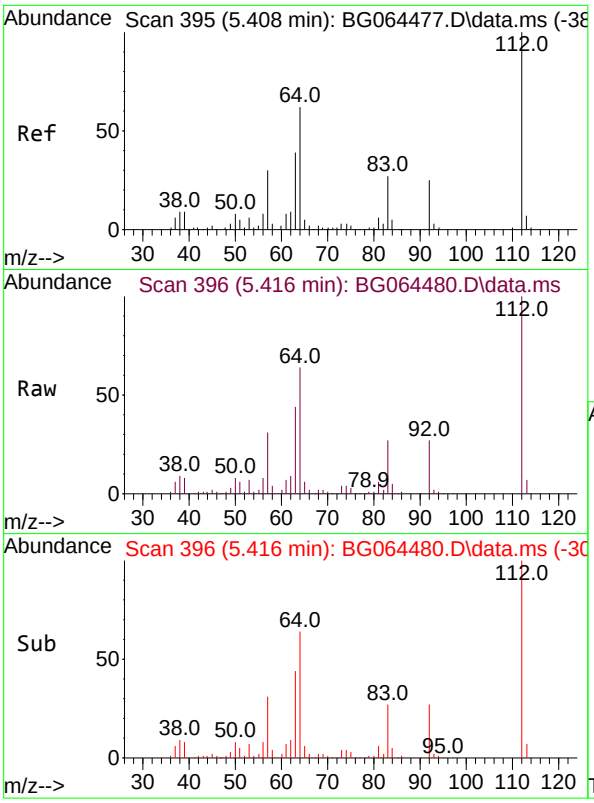


#4
n-Nitrosodimethylamine
Concen: 78.177 ng
RT: 3.636 min Scan# 93
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

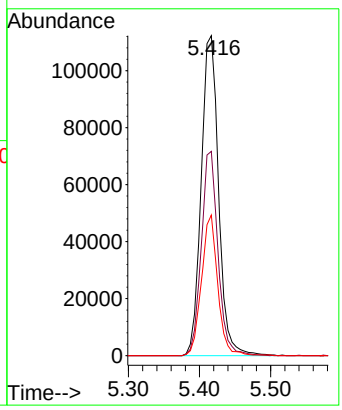




#5
2-Fluorophenol
Concen: 155.949 ng
RT: 5.416 min Scan# 39
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:112 Resp: 189884

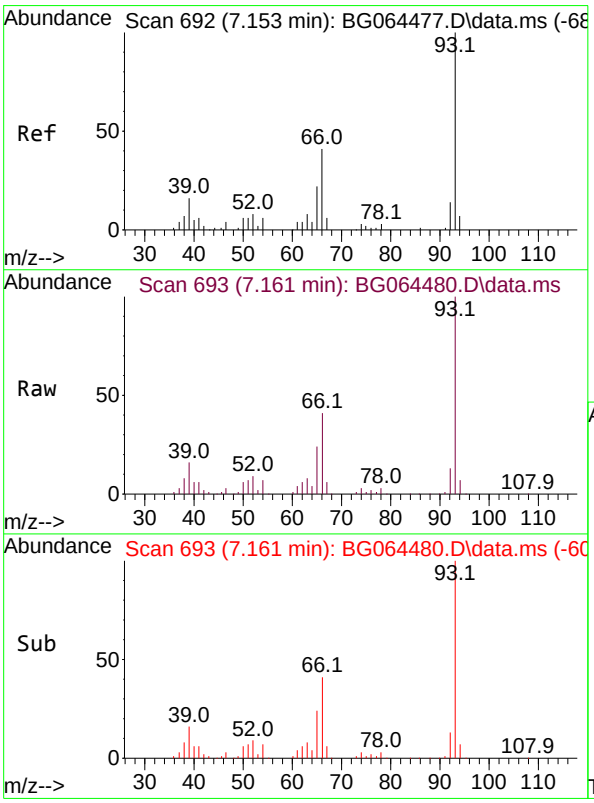
Ion	Ratio	Lower	Upper
112	100		
64	63.8	49.8	74.8
63	43.9	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

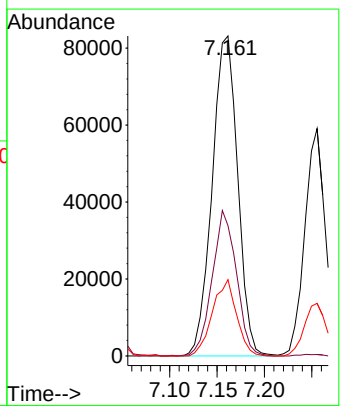
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

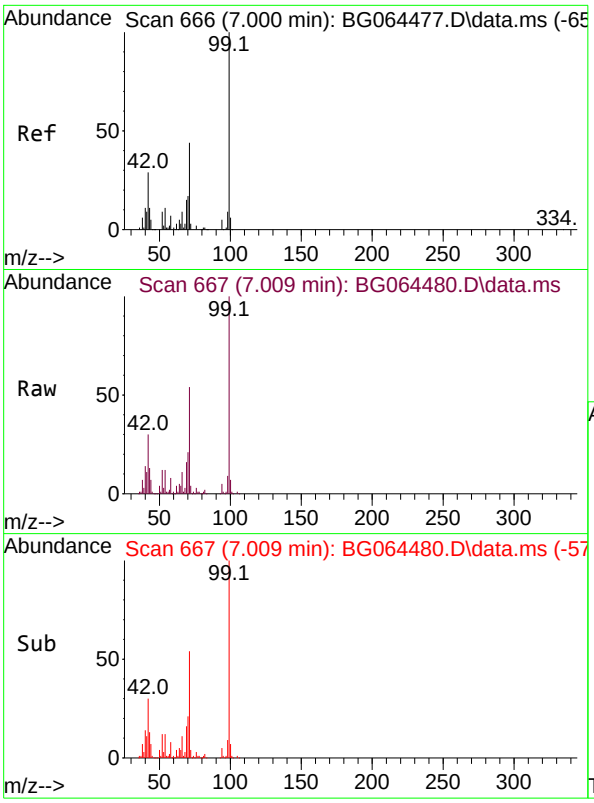


#6
Aniline
Concen: 75.518 ng
RT: 7.161 min Scan# 693
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

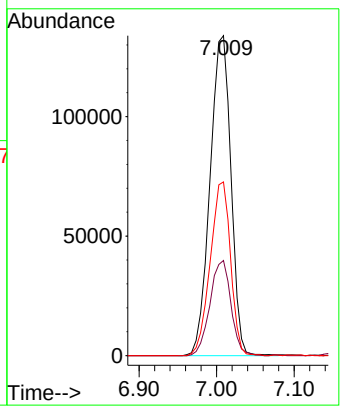




#7
Phenol-d6
Concen: 153.254 ng
RT: 7.009 min Scan# 6
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 99 Resp: 25076

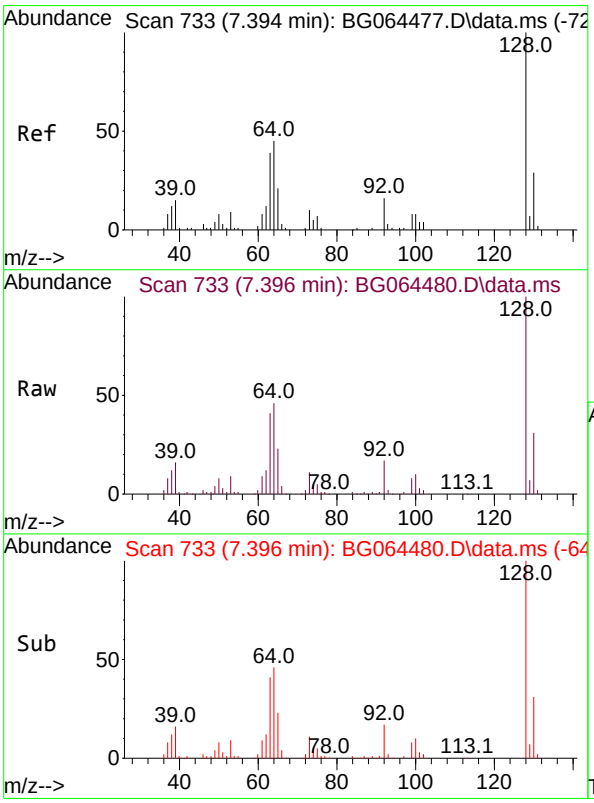
Ion	Ratio	Lower	Upper
99	100		
42	29.7	22.9	34.3
71	54.3	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

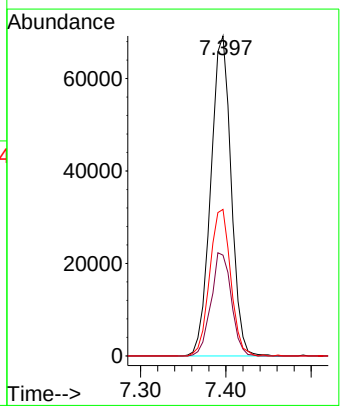
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

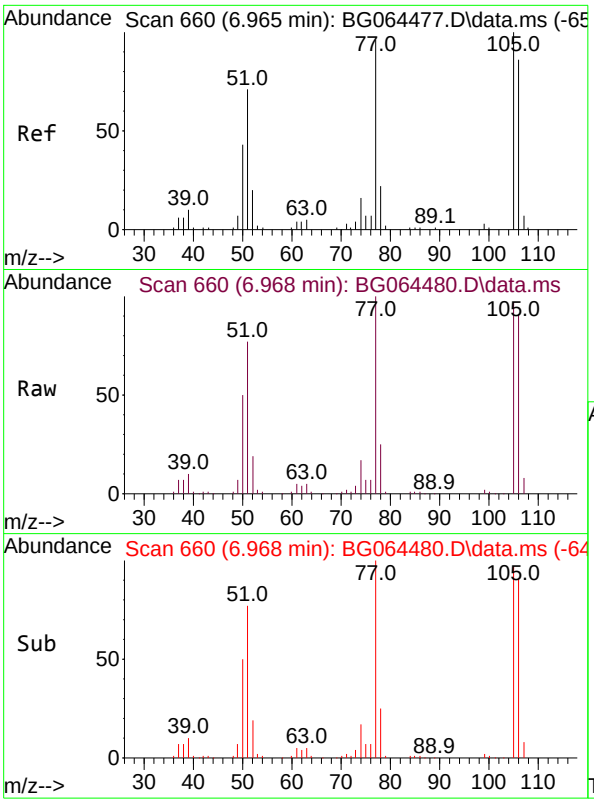


#8
2-Chlorophenol
Concen: 76.619 ng
RT: 7.396 min Scan# 733
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

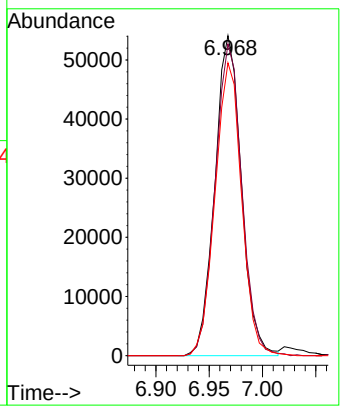




#9
Benzaldehyde
Concen: 64.370 ng
RT: 6.968 min Scan# 6
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 77 Resp: 9349

Ion	Ratio	Lower	Upper
77	100		
105	97.4	83.7	123.7
106	91.5	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
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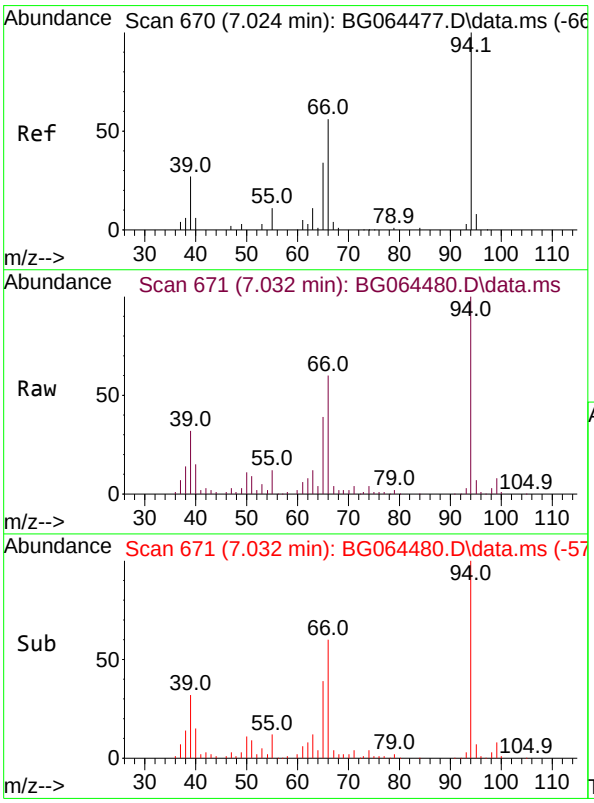
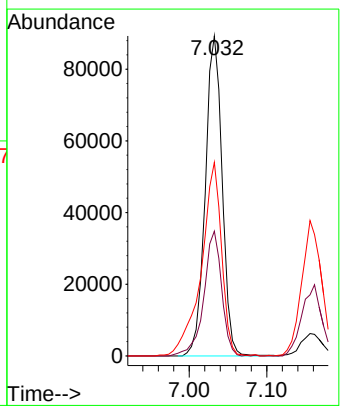
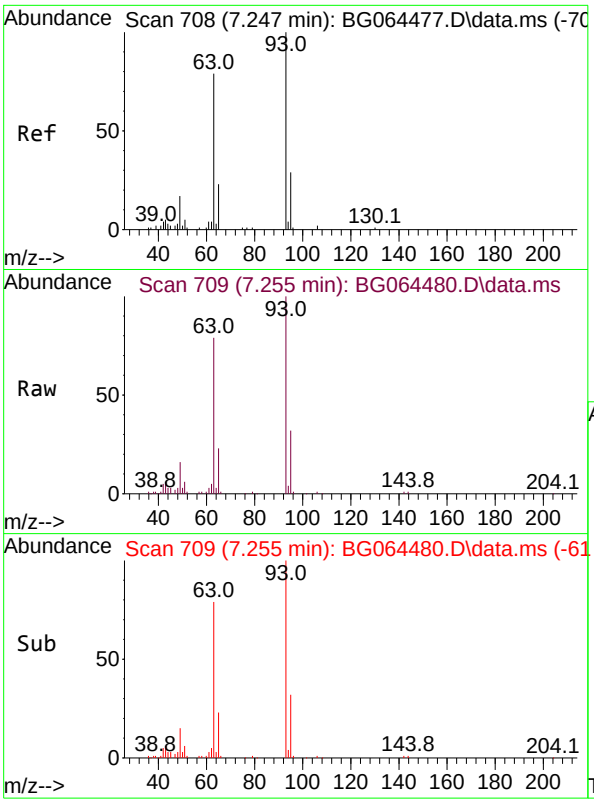


#10
Phenol
Concen: 78.138 ng
RT: 7.032 min Scan# 671
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

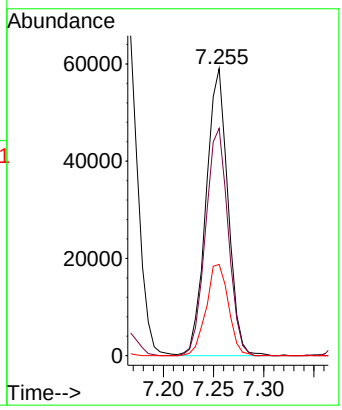




#11
bis(2-Chloroethyl)ether
Concen: 76.500 ng
RT: 7.255 min Scan# 7
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 93 Resp: 8942

Ion	Ratio	Lower	Upper
93	100		
63	79.2	59.5	99.5
95	31.7	8.8	48.8



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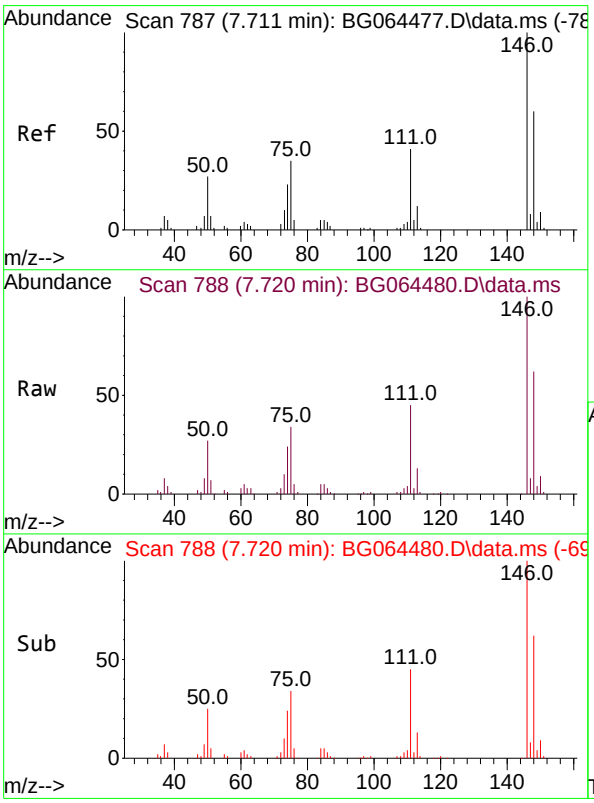
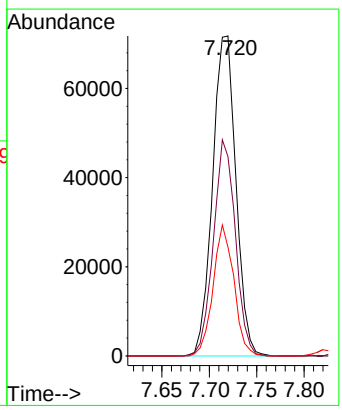
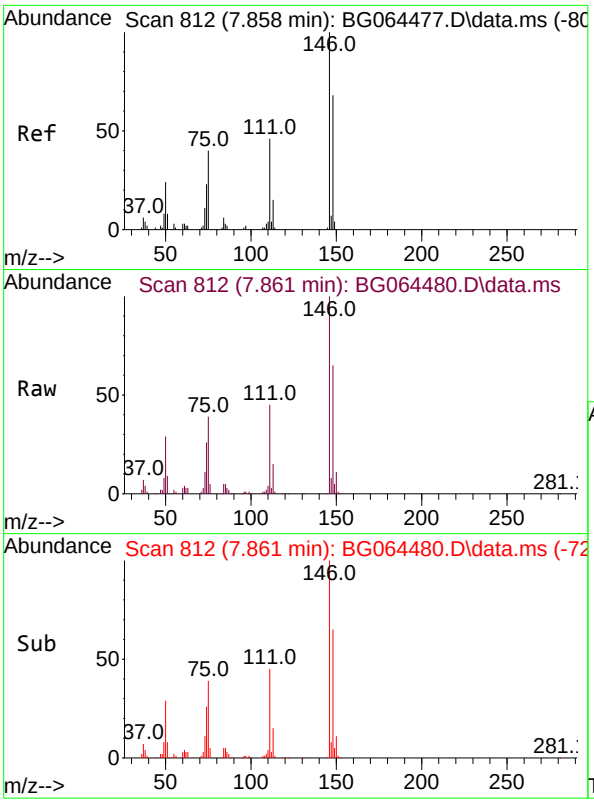


#12
1,3-Dichlorobenzene
Concen: 75.107 ng
RT: 7.720 min Scan# 788
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

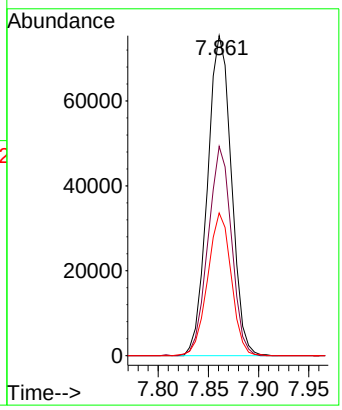




#13
1,4-Dichlorobenzene
Concen: 75.917 ng
RT: 7.861 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:146 Resp: 12461

Ion	Ratio	Lower	Upper
146	100		
148	65.4	54.4	81.6
111	44.6	36.5	54.7



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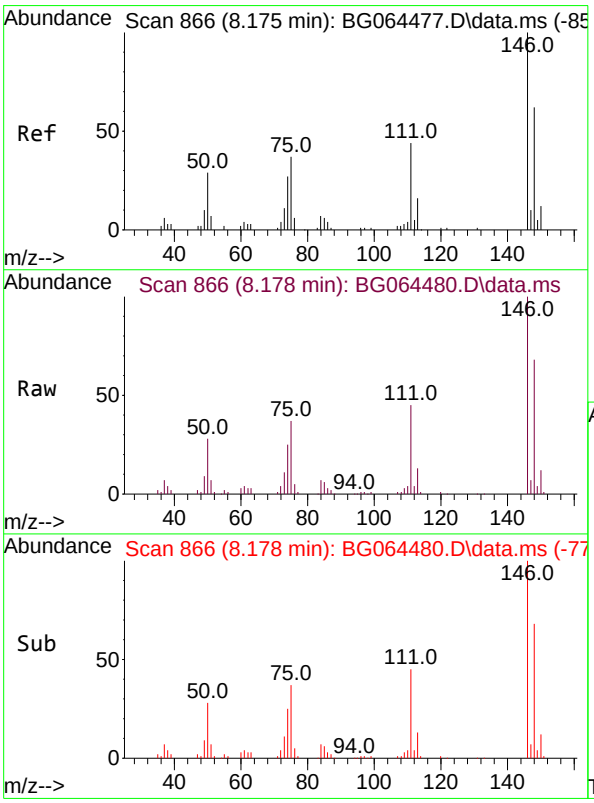
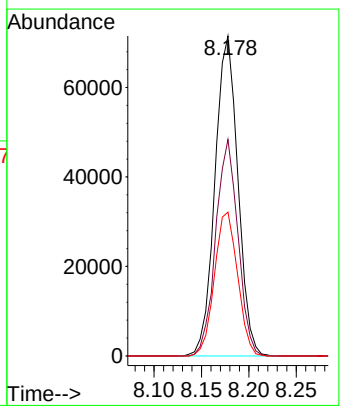
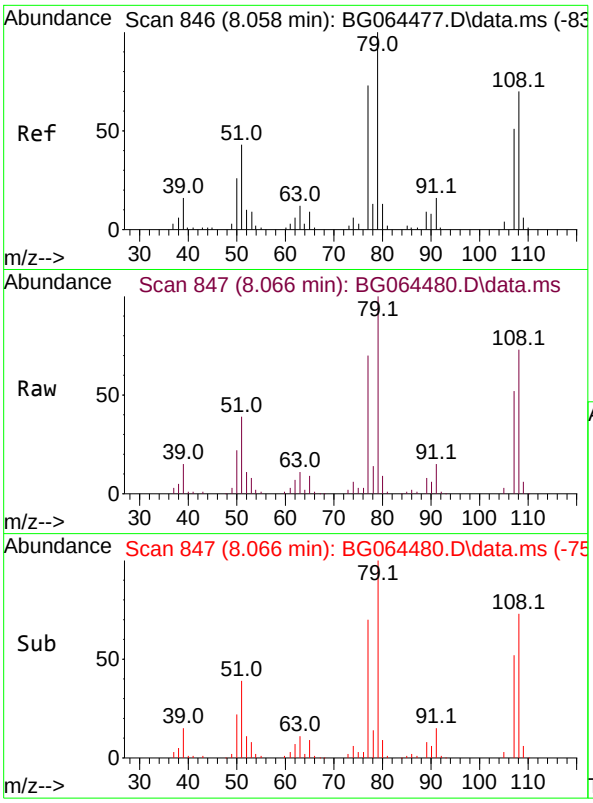


#14
1,2-Dichlorobenzene
Concen: 74.398 ng
RT: 8.178 min Scan# 866
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

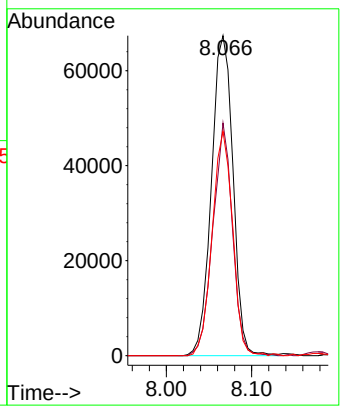




#15
Benzyl Alcohol
Concen: 78.483 ng
RT: 8.066 min Scan# 84
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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



Instrument :
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ClientSampleId :
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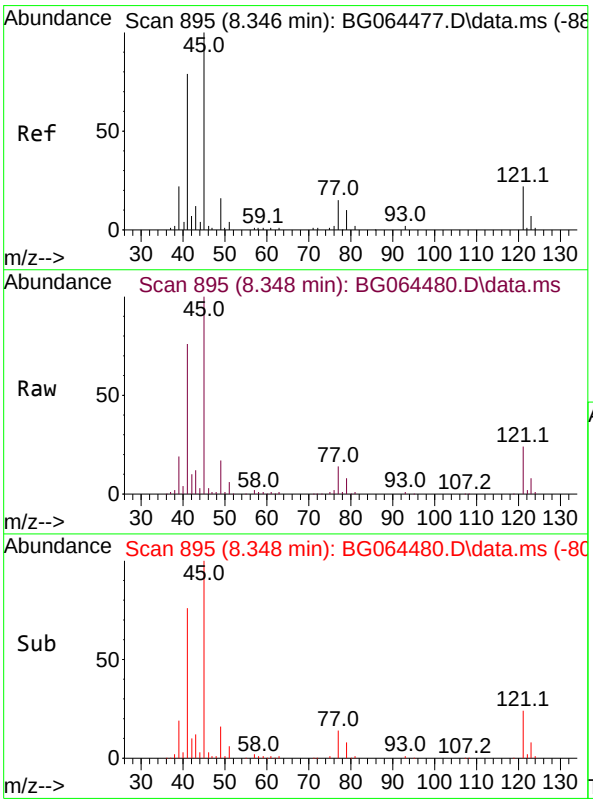
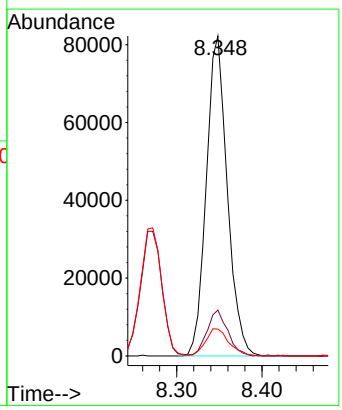
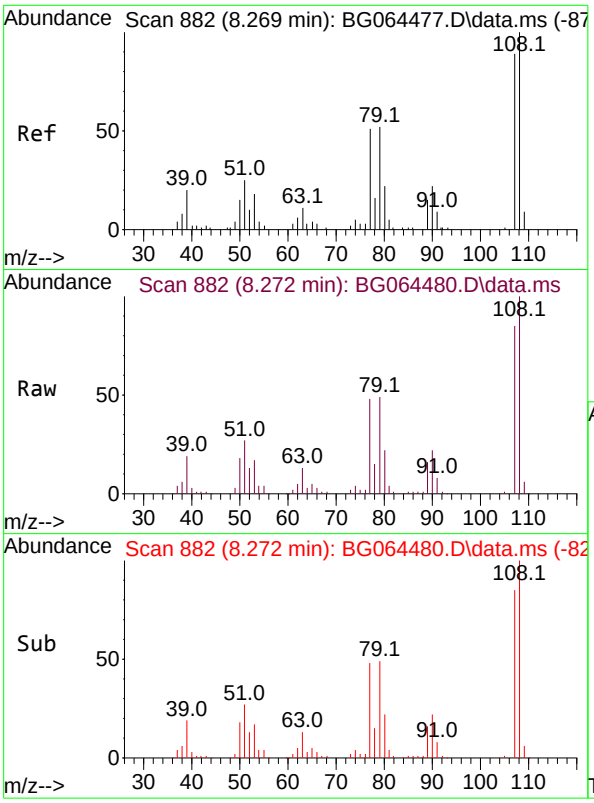


#16
2,2'-oxybis(1-Chloropropane)
Concen: 74.507 ng
RT: 8.348 min Scan# 895
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

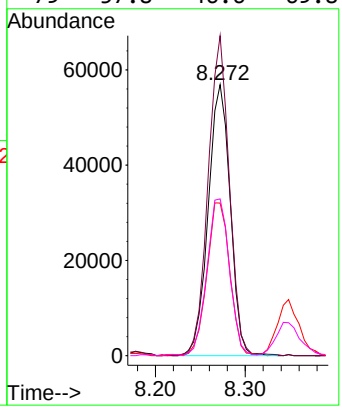




#17
2-Methylphenol
Concen: 77.657 ng
RT: 8.272 min Scan# 88
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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



Instrument :
BNA_G
ClientSampleId :
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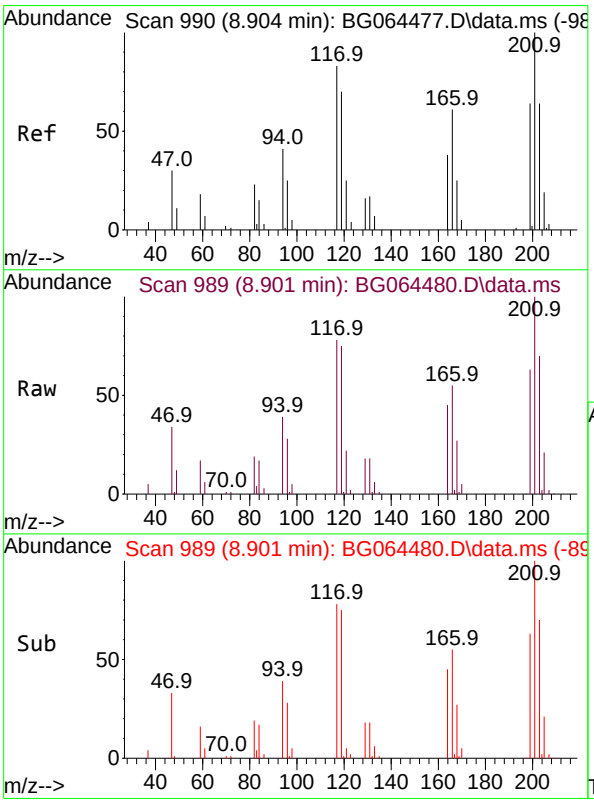
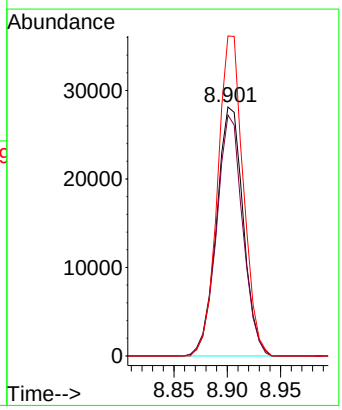
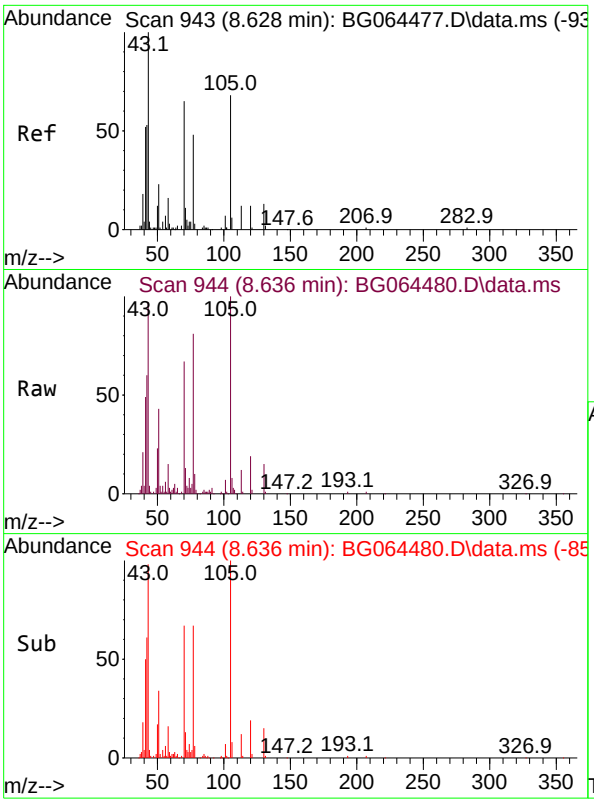


#18
Hexachloroethane
Concen: 75.666 ng
RT: 8.901 min Scan# 989
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

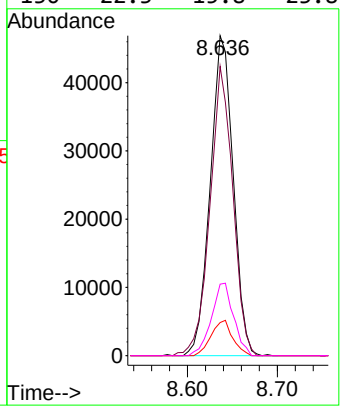




#19
n-Nitroso-di-n-propylamine
Concen: 76.290 ng
RT: 8.636 min Scan# 94
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 70 Resp: 8348

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



Instrument :
BNA_G
ClientSampleId :
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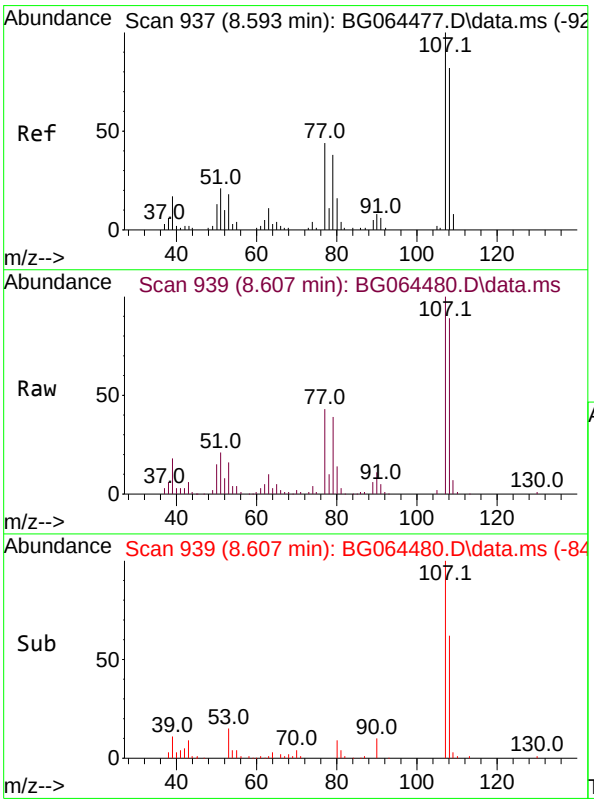
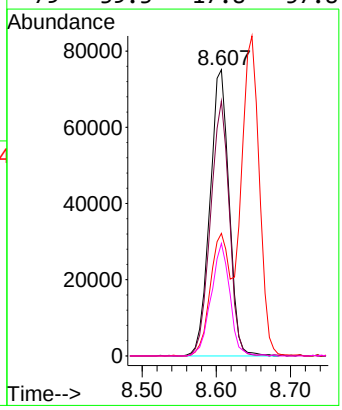
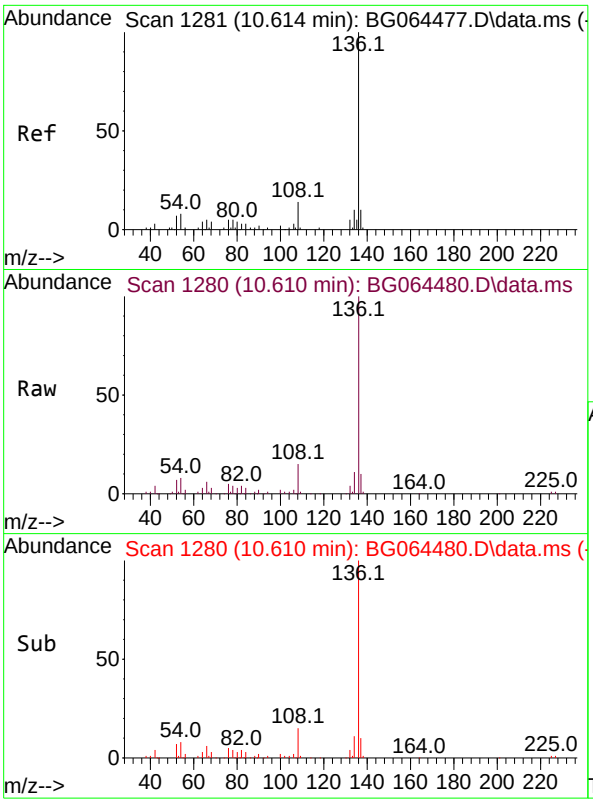


#20
3+4-Methylphenols
Concen: 77.191 ng
RT: 8.607 min Scan# 939
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

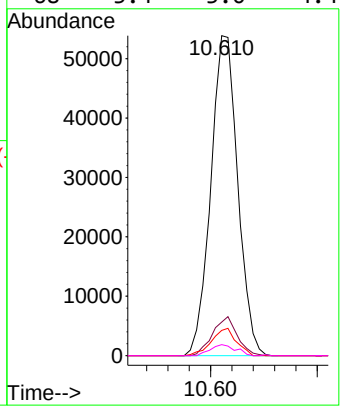




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:136 Resp: 9456

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



Instrument :
BNA_G
ClientSampleId :
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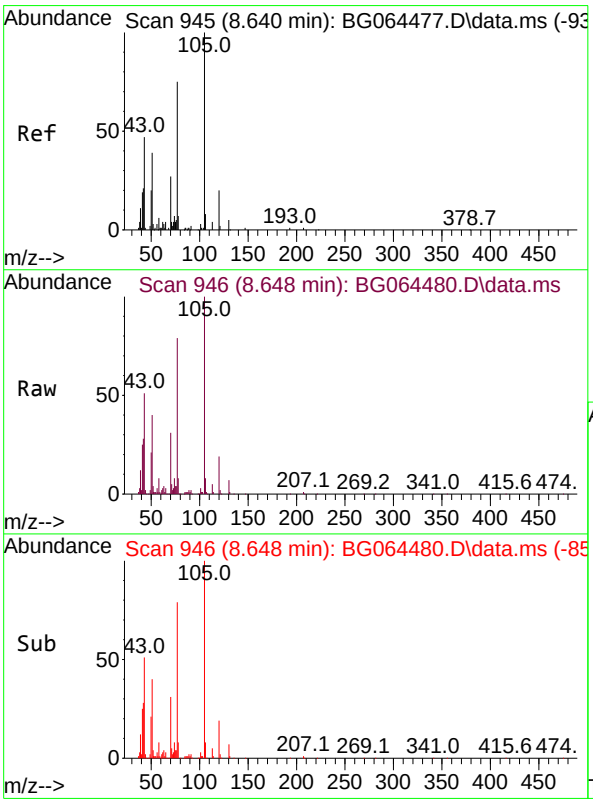
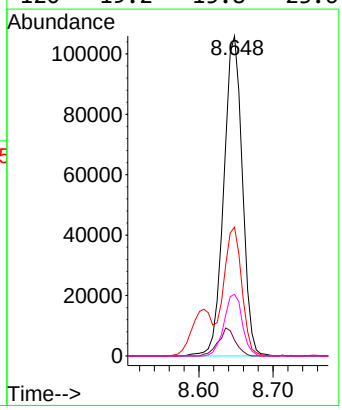
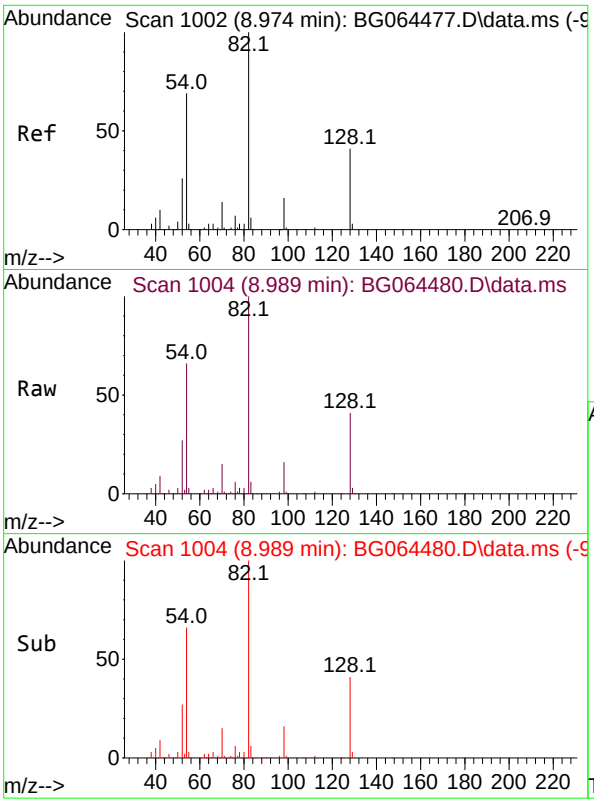


#22
Acetophenone
Concen: 80.227 ng
RT: 8.648 min Scan# 946
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

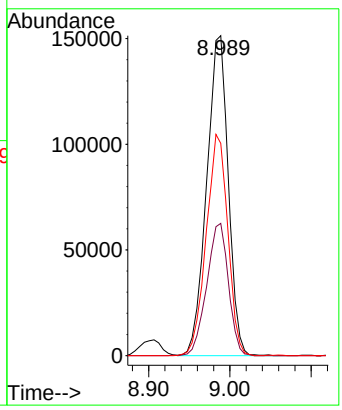




#23
Nitrobenzene-d5
Concen: 158.678 ng
RT: 8.989 min Scan# 10
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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



Instrument :
BNA_G
ClientSampleId :
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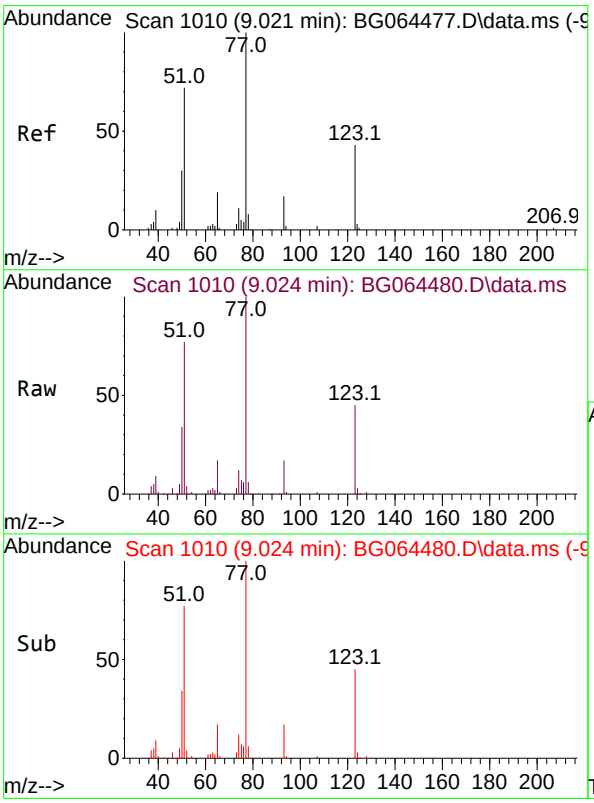
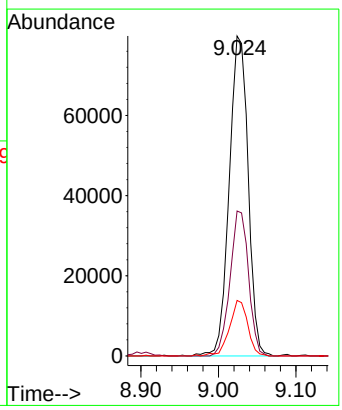
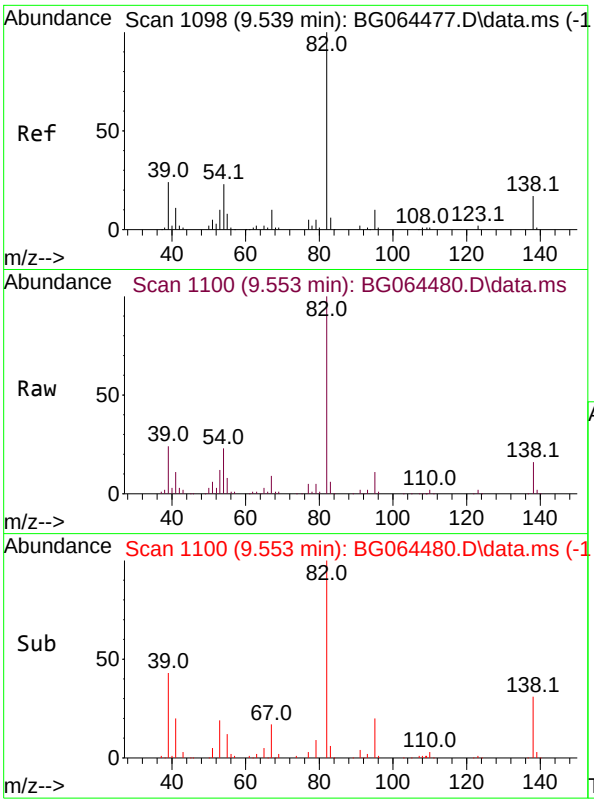


#24
Nitrobenzene
Concen: 77.123 ng
RT: 9.024 min Scan# 1010
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

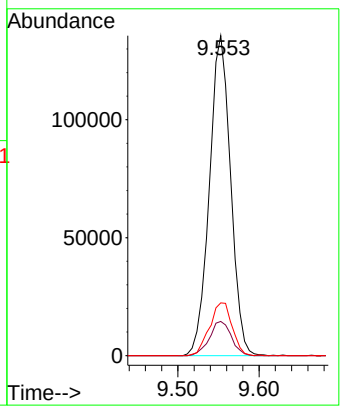




#25
Isophorone
Concen: 77.188 ng
RT: 9.553 min Scan# 11
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 82 Resp: 24593

Ion	Ratio	Lower	Upper
82	100		
95	10.7	7.8	11.8
138	16.5	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
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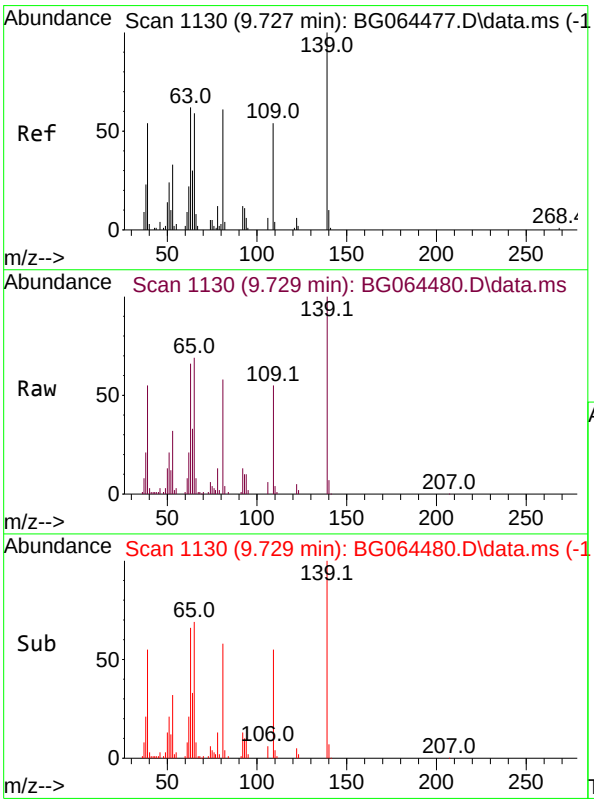
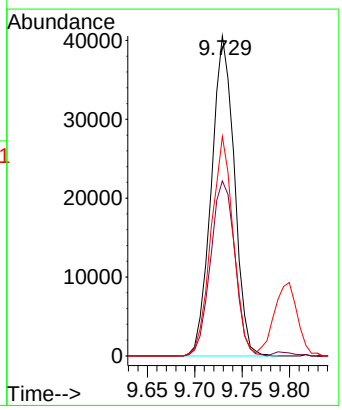
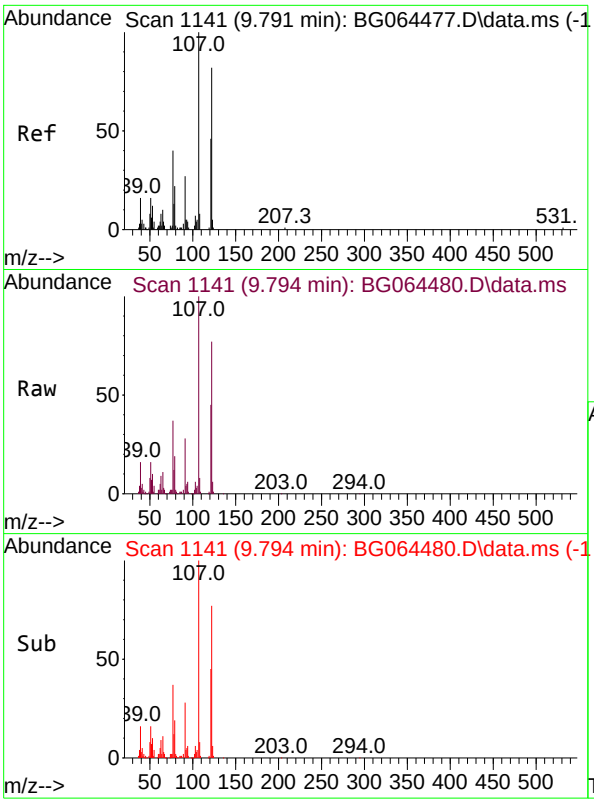


#26
2-Nitrophenol
Concen: 78.281 ng
RT: 9.729 min Scan# 1130
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

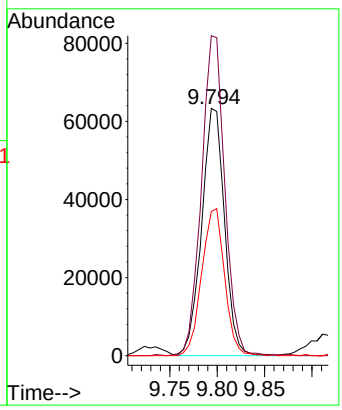




#27
2,4-Dimethylphenol
Concen: 79.619 ng
RT: 9.794 min Scan# 11
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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



Instrument :
BNA_G
ClientSampleId :
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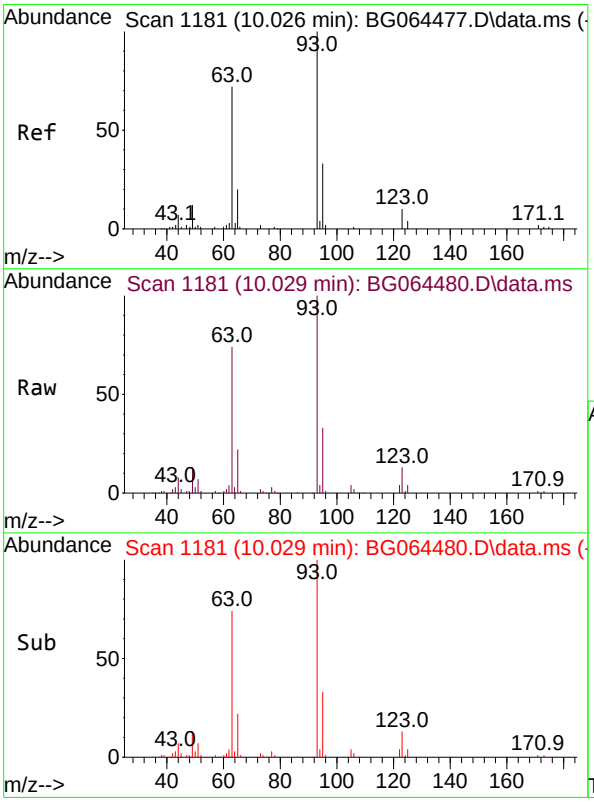
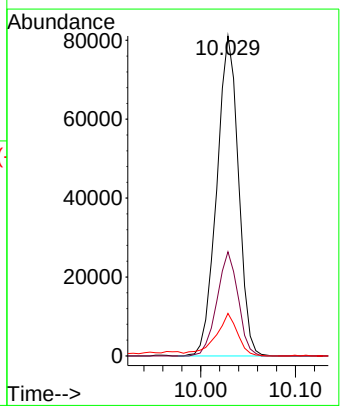
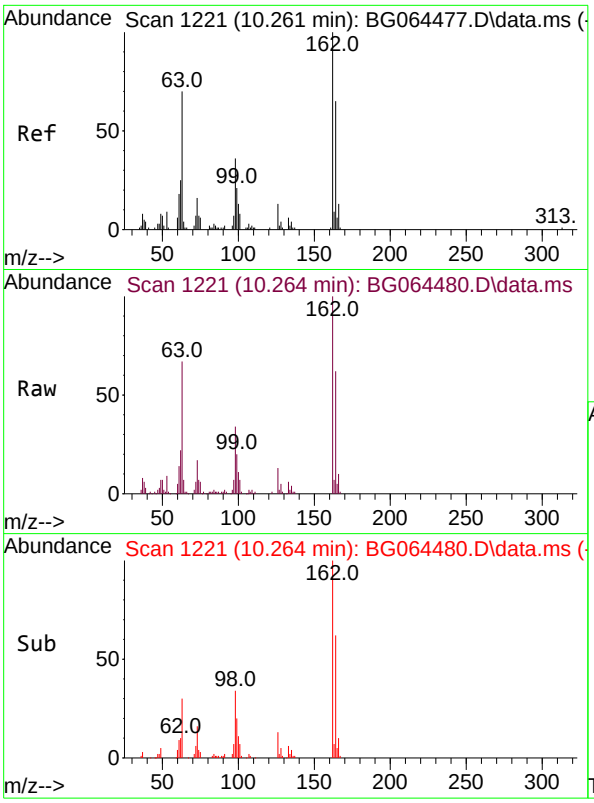


#28
bis(2-Chloroethoxy)methane
Concen: 79.313 ng
RT: 10.029 min Scan# 1181
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

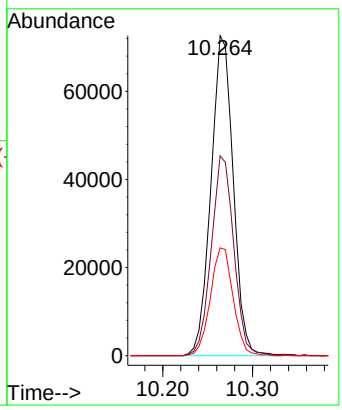




#29
2,4-Dichlorophenol
Concen: 81.436 ng
RT: 10.264 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:162 Resp: 12555

Ion	Ratio	Lower	Upper
162	100		
164	62.5	45.4	85.4
98	33.7	16.4	56.4



Instrument :
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ClientSampleId :
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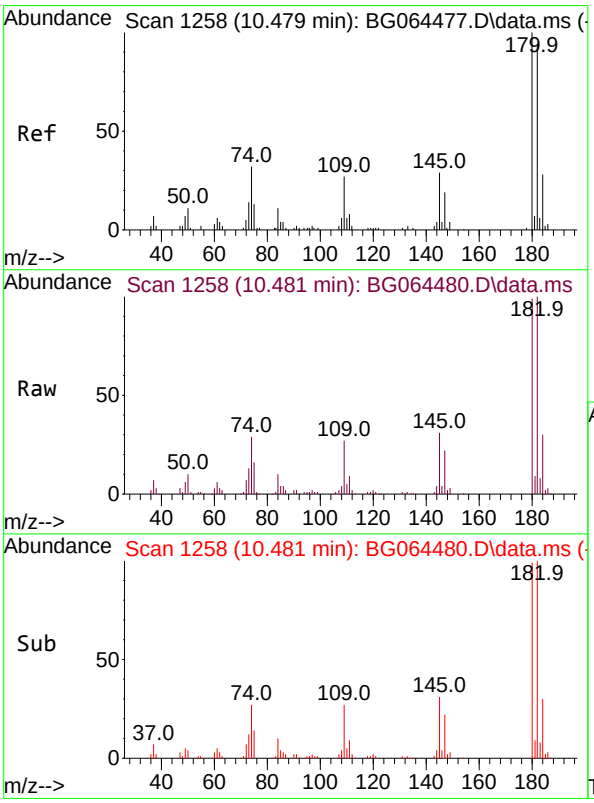
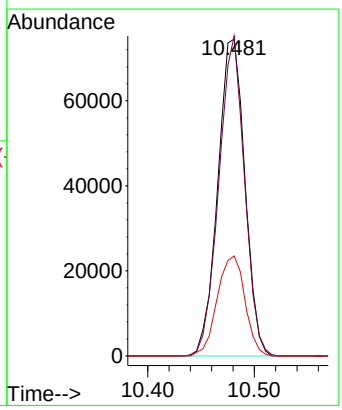
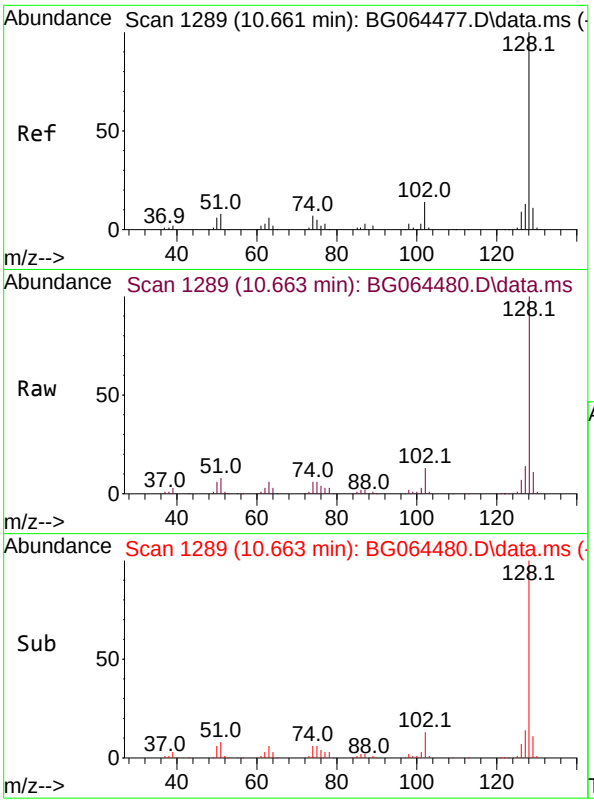


#30
1,2,4-Trichlorobenzene
Concen: 78.115 ng
RT: 10.481 min Scan# 1258
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

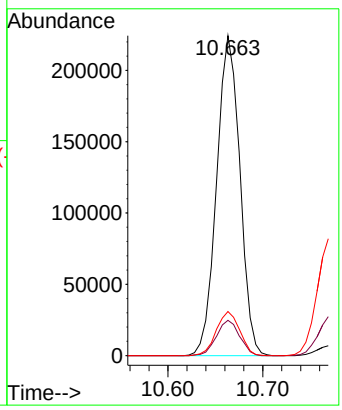




#31
Naphthalene
Concen: 78.560 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:128 Resp: 38257

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.8	10.2	15.2



Instrument :
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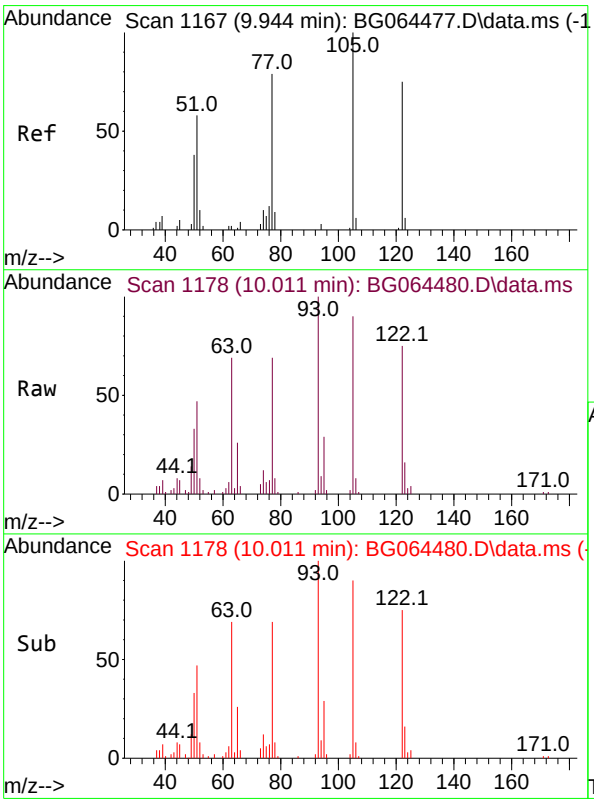
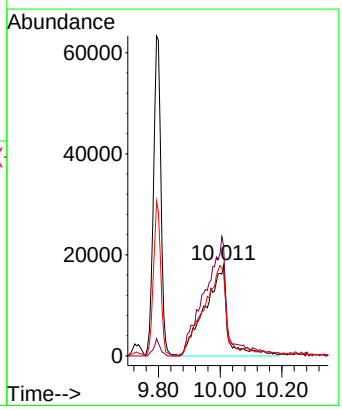
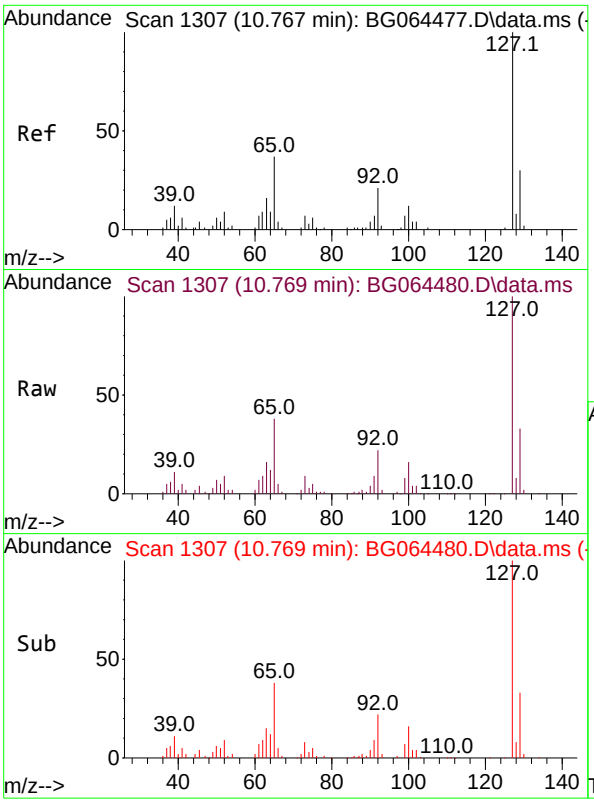


#32
Benzoic acid
Concen: 89.680 ng m
RT: 10.011 min Scan# 1178
Delta R.T. 0.122 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

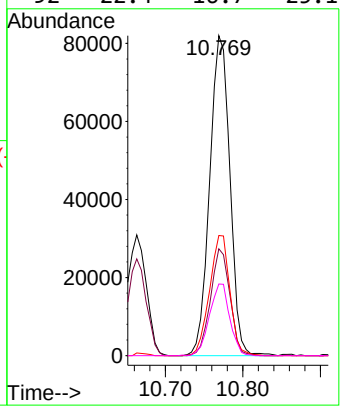




#33
4-Chloroaniline
Concen: 79.425 ng
RT: 10.769 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:127 Resp: 14842

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



Instrument :
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ClientSampleId :
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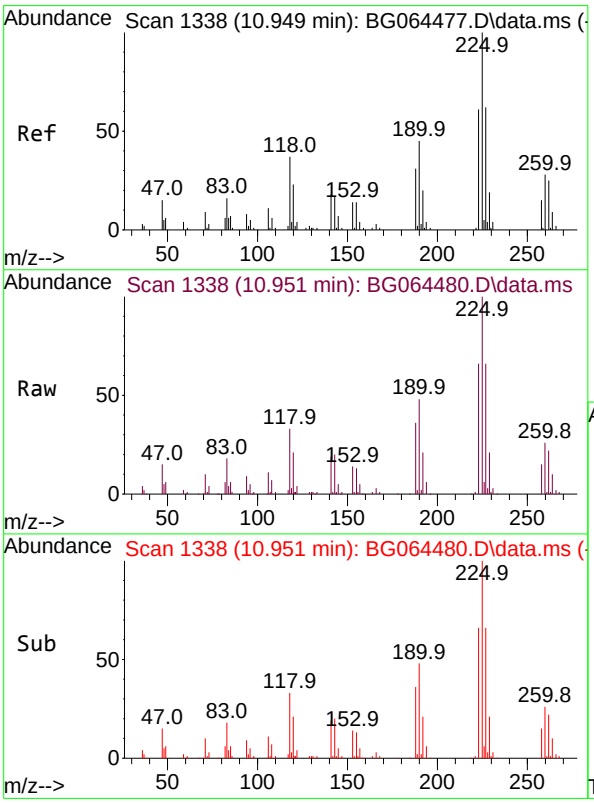
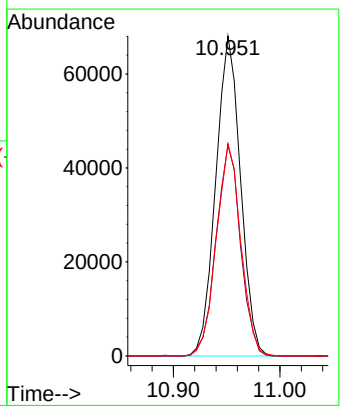
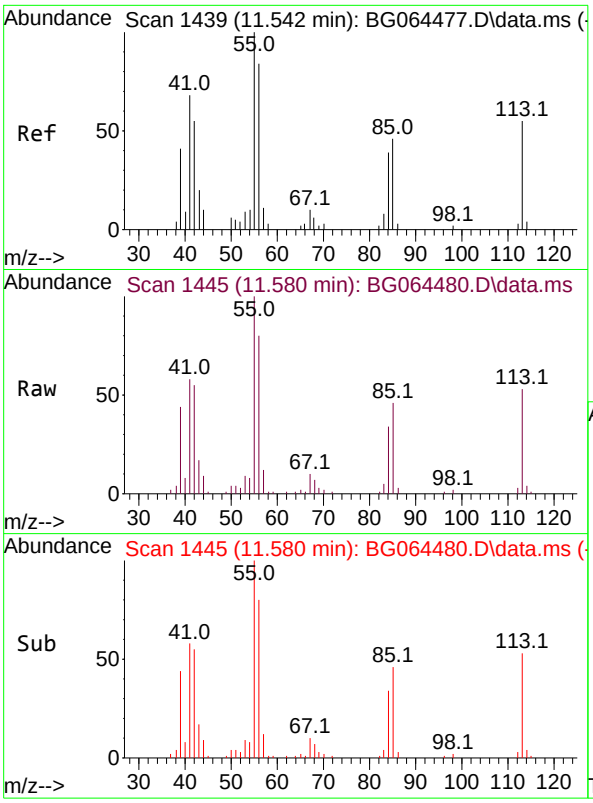


#34
Hexachlorobutadiene
Concen: 76.374 ng
RT: 10.951 min Scan# 1338
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

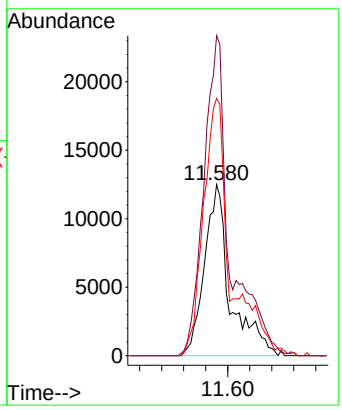




#35
Caprolactam
Concen: 76.417 ng
RT: 11.580 min Scan# 14
Delta R.T. 0.070 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:113 Resp: 4033

Ion	Ratio	Lower	Upper
113	100		
55	187.1	162.0	202.0
56	150.3	134.6	174.6



Instrument :
BNA_G
ClientSampleId :
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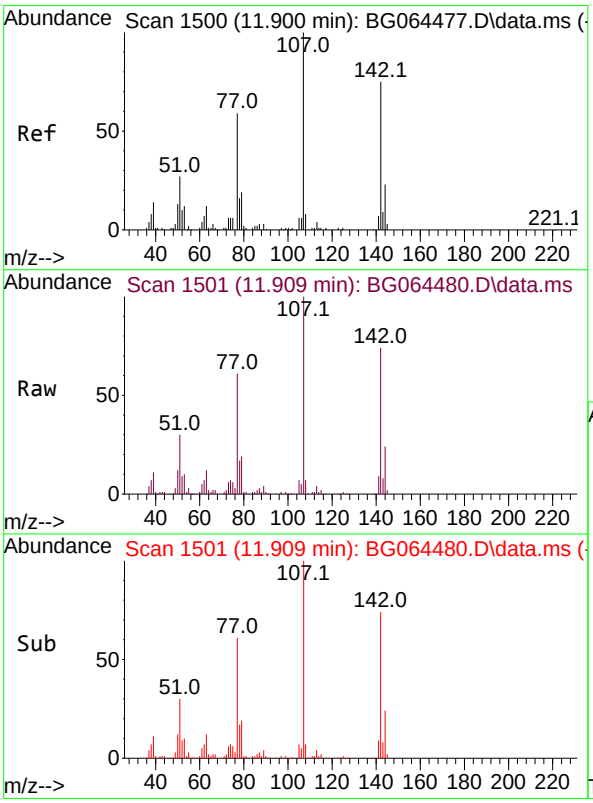
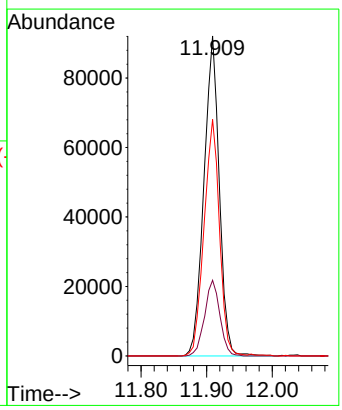
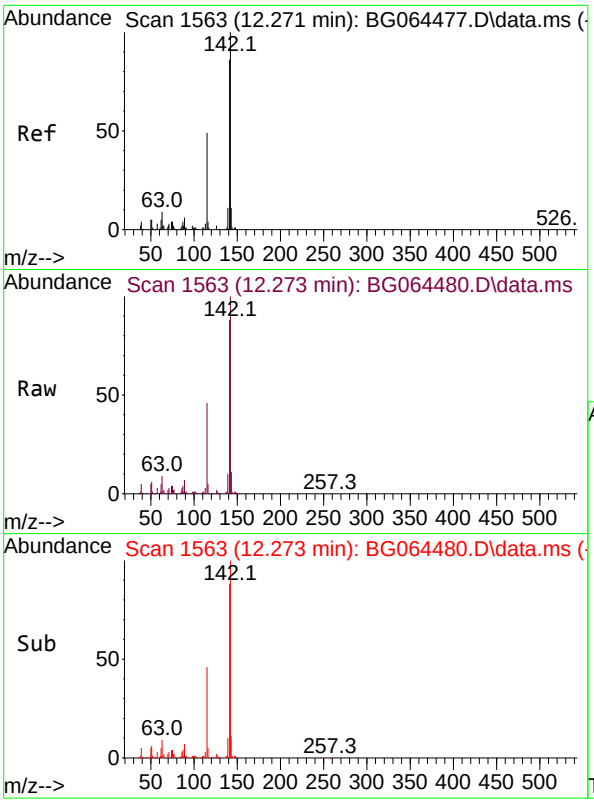


#36
4-Chloro-3-methylphenol
Concen: 79.618 ng
RT: 11.909 min Scan# 1501
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

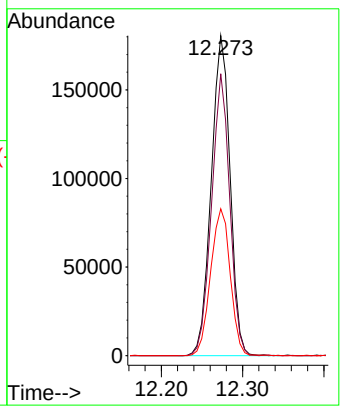




#37
2-Methylnaphthalene
Concen: 77.931 ng
RT: 12.273 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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



Instrument :
BNA_G
ClientSampleId :
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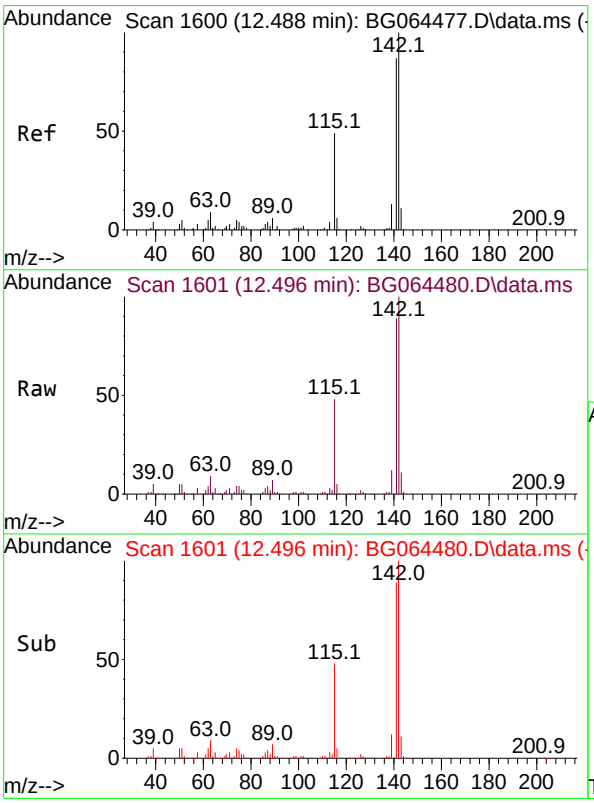
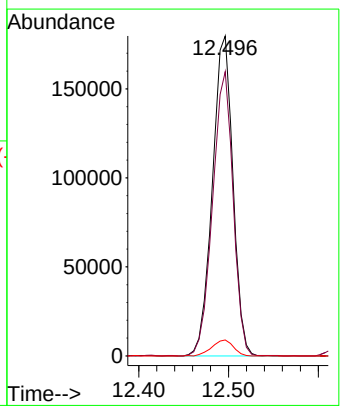
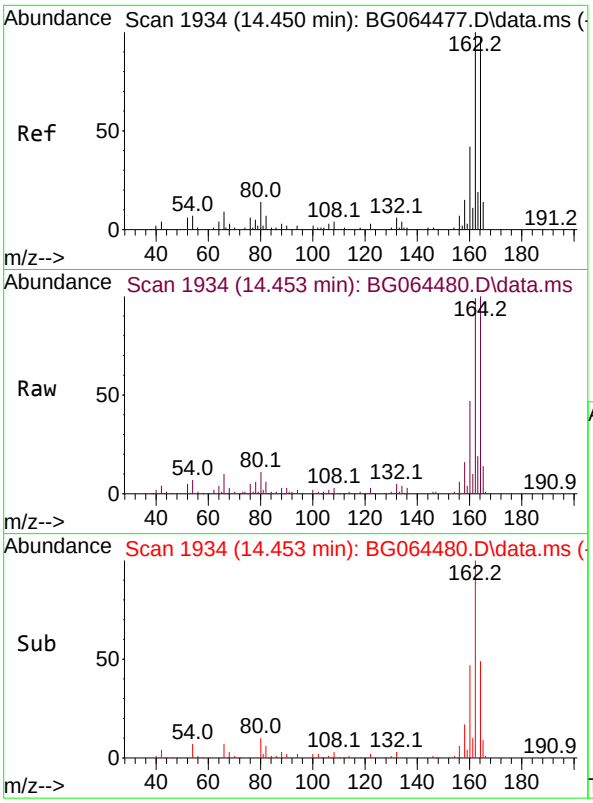


#38
1-Methylnaphthalene
Concen: 76.924 ng
RT: 12.496 min Scan# 1601
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

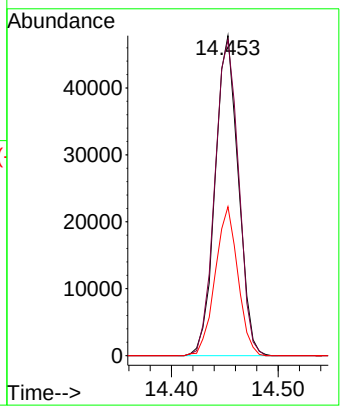




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.453 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:164 Resp: 7207

Ion	Ratio	Lower	Upper
164	100		
162	98.7	82.2	123.2
160	46.5	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
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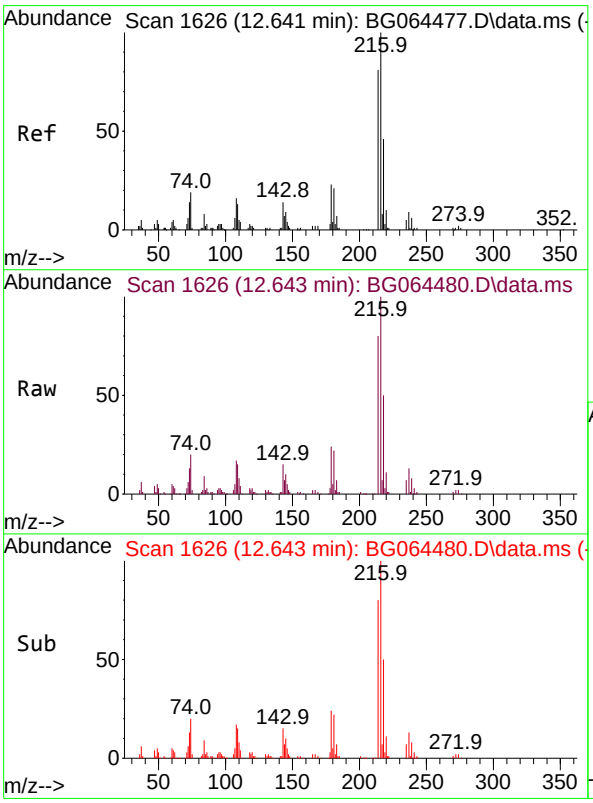
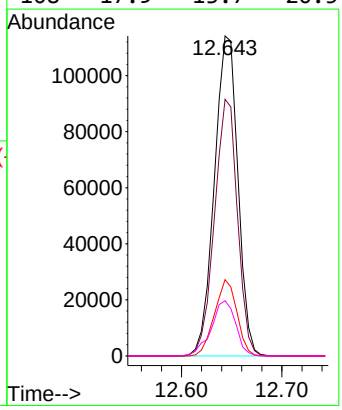
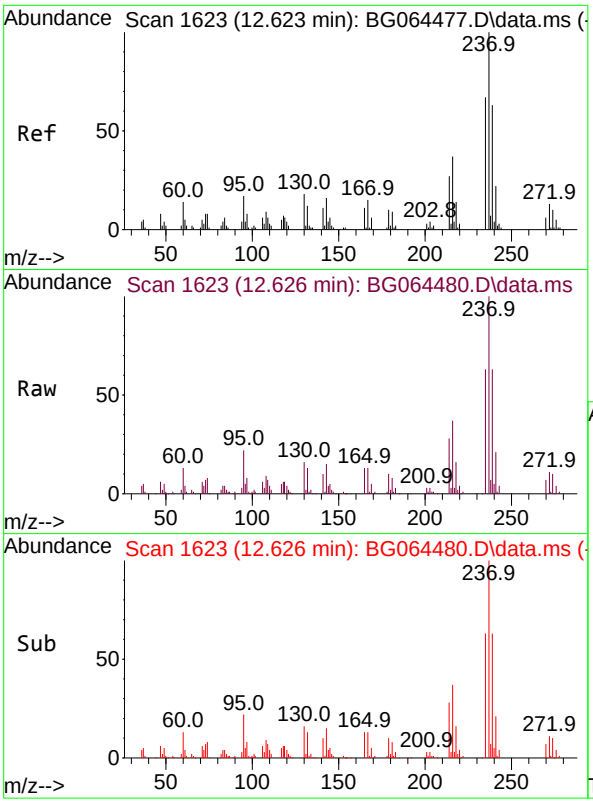


#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.056 ng
RT: 12.643 min Scan# 1626
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

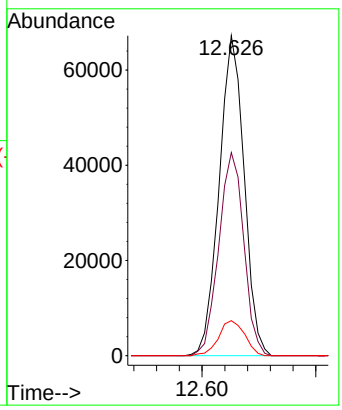




#41
Hexachlorocyclopentadiene
Concen: 84.207 ng
RT: 12.626 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:237 Resp: 10250

Ion	Ratio	Lower	Upper
237	100		
235	63.4	46.9	86.9
272	10.9	0.0	32.6



Instrument :
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ClientSampleId :
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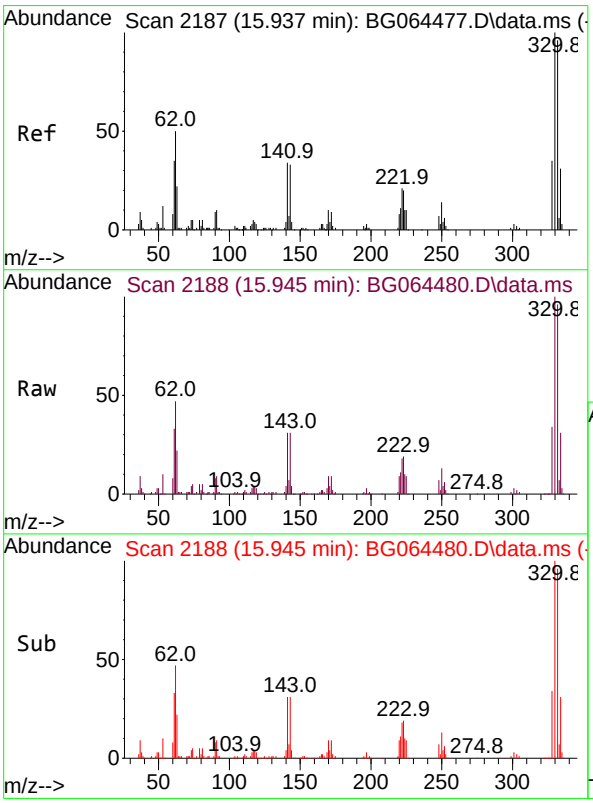
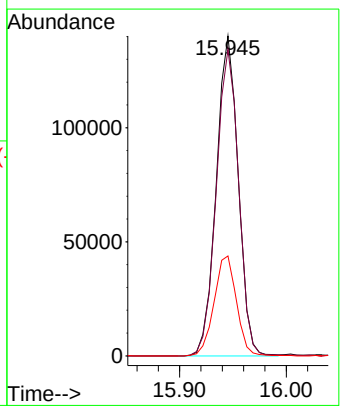
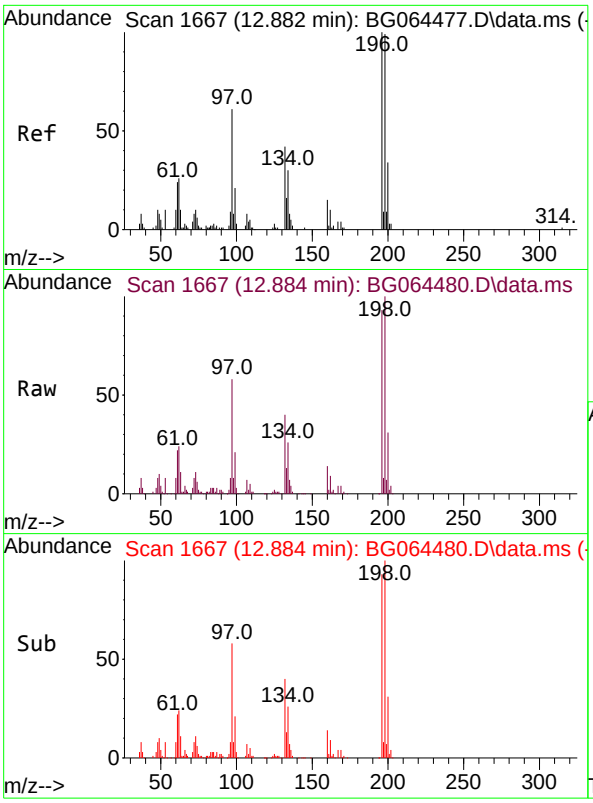


#42
2,4,6-Tribromophenol
Concen: 153.817 ng
RT: 15.945 min Scan# 2188
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

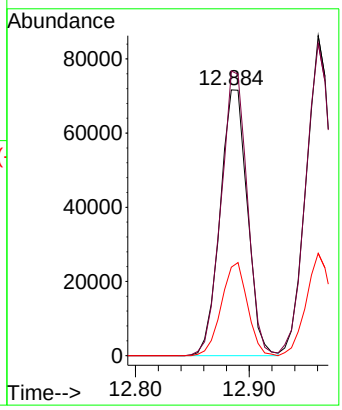




#43
2,4,6-Trichlorophenol
Concen: 80.265 ng
RT: 12.884 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:196 Resp: 11940

Ion	Ratio	Lower	Upper
196	100		
198	107.1	79.3	118.9
200	33.3	27.4	41.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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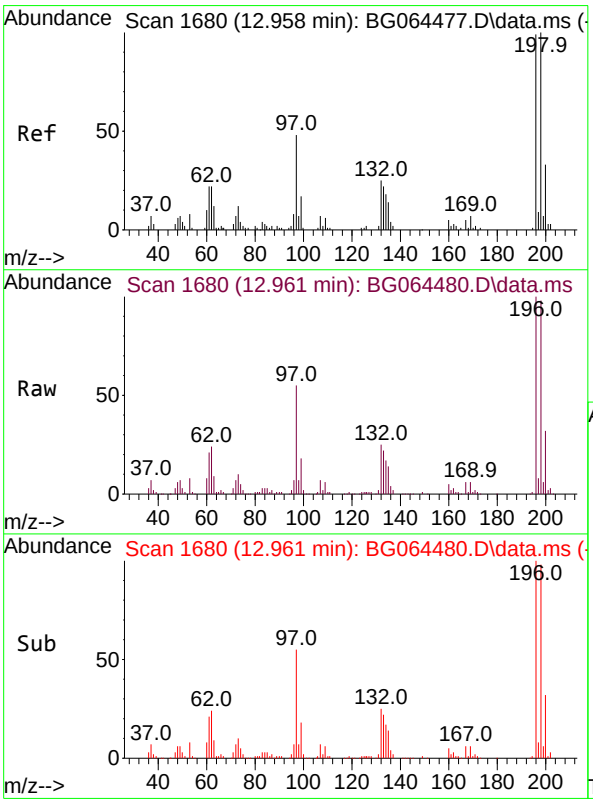
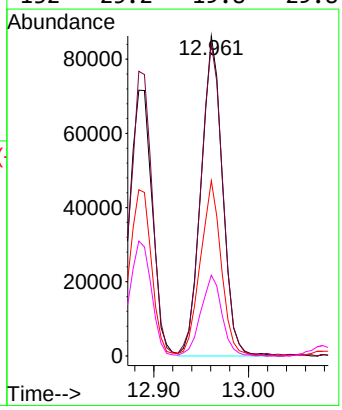
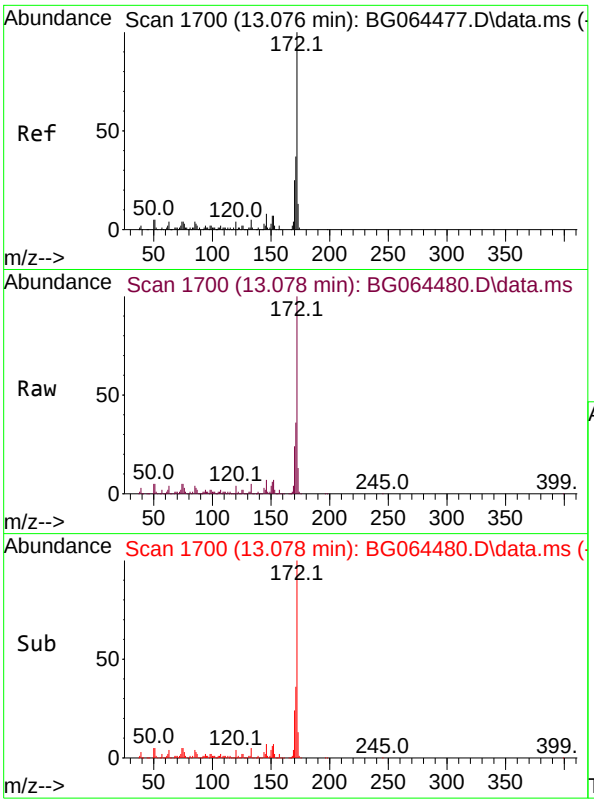


#44
2,4,5-Trichlorophenol
Concen: 81.602 ng
RT: 12.961 min Scan# 1680
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

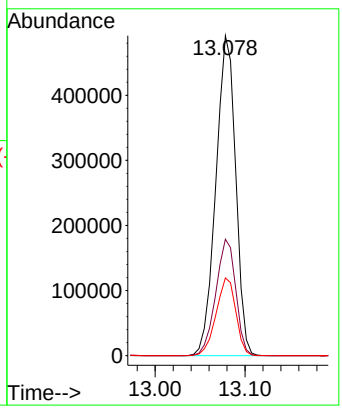




#45
2-Fluorobiphenyl
Concen: 154.518 ng
RT: 13.078 min Scan# 1
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:172 Resp: 75553

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.3	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
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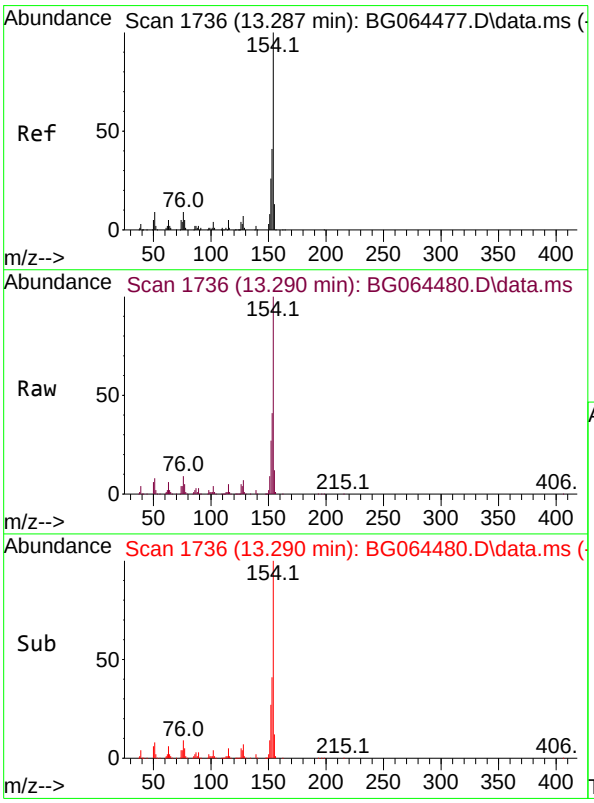
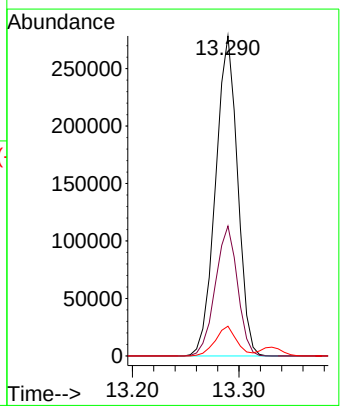
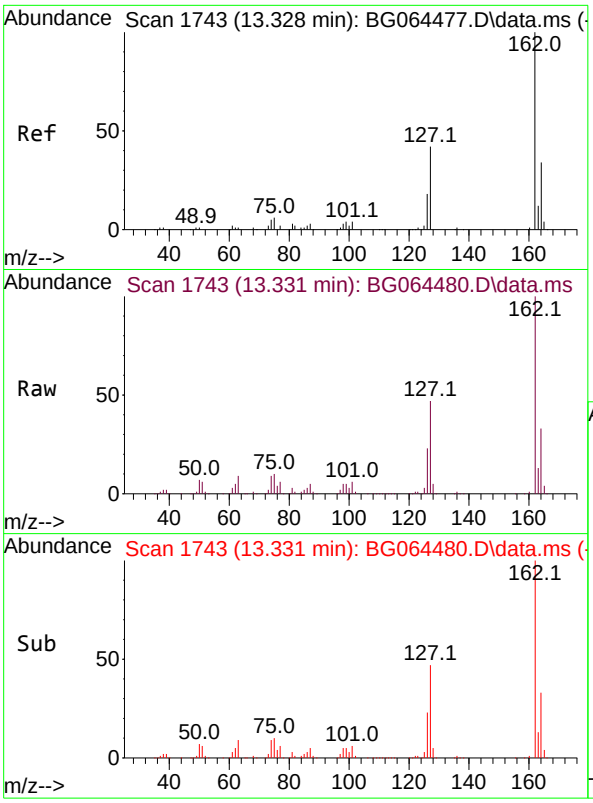


#46
1,1'-Biphenyl
Concen: 77.125 ng
RT: 13.290 min Scan# 1736
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

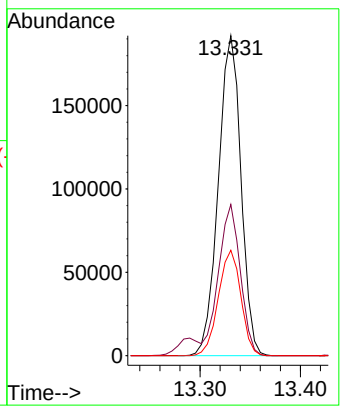




#47
2-Chloronaphthalene
Concen: 77.951 ng
RT: 13.331 min Scan# 1
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:162 Resp: 30169

Ion	Ratio	Lower	Upper
162	100		
127	47.2	35.8	53.8
164	32.9	27.2	40.8



Instrument :
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ClientSampleId :
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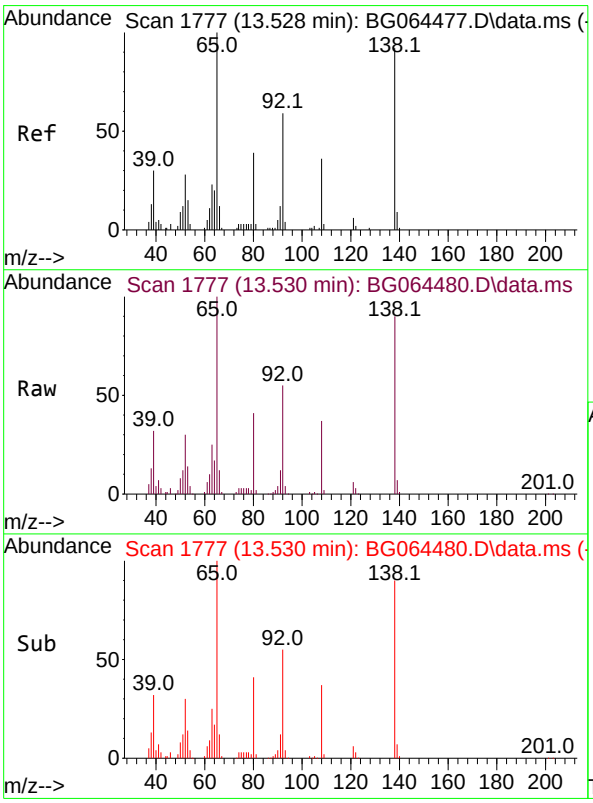
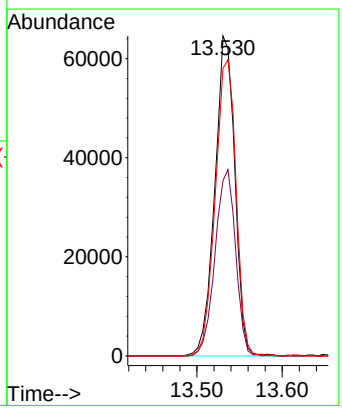
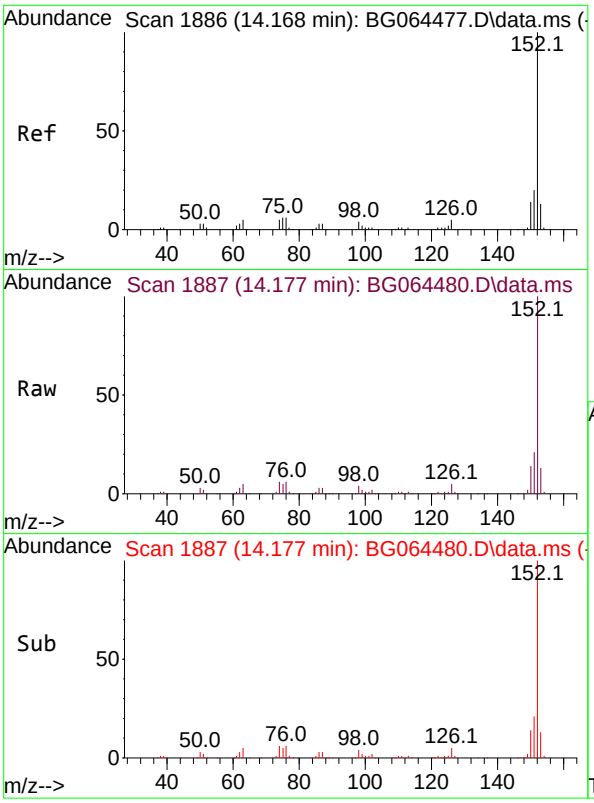


#48
2-Nitroaniline
Concen: 79.555 ng
RT: 13.530 min Scan# 1777
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

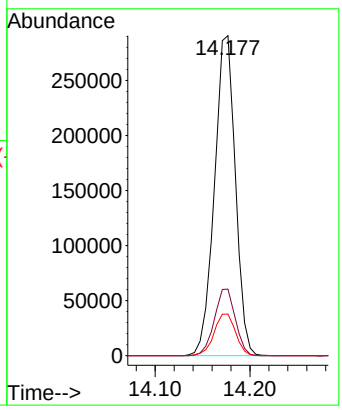




#49
Acenaphthylene
Concen: 77.600 ng
RT: 14.177 min Scan# 18
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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



Instrument :
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ClientSampleId :
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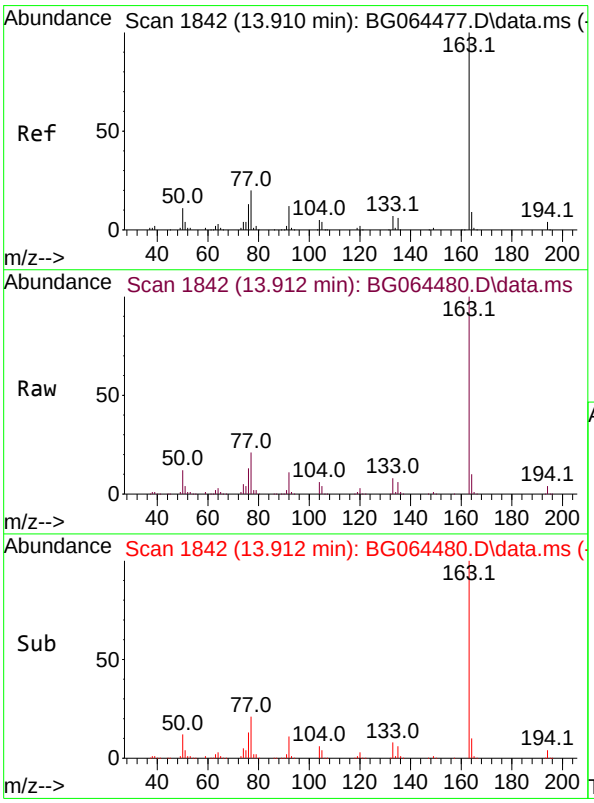
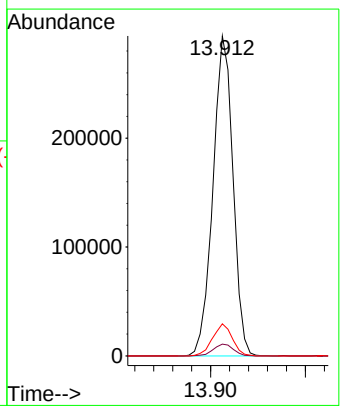
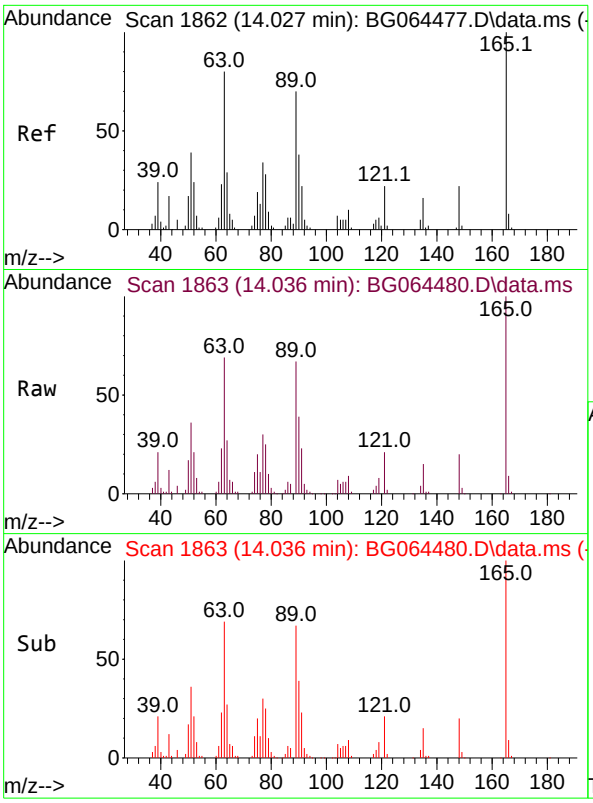


#50
Dimethylphthalate
Concen: 76.251 ng
RT: 13.912 min Scan# 1842
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

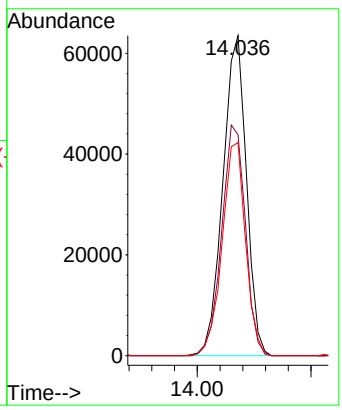




#51
2,6-Dinitrotoluene
Concen: 77.551 ng
RT: 14.036 min Scan# 18
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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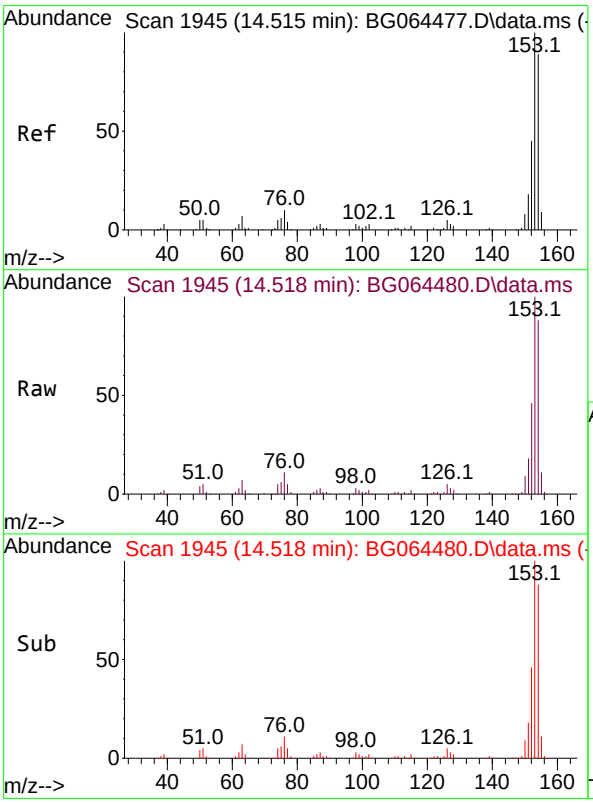
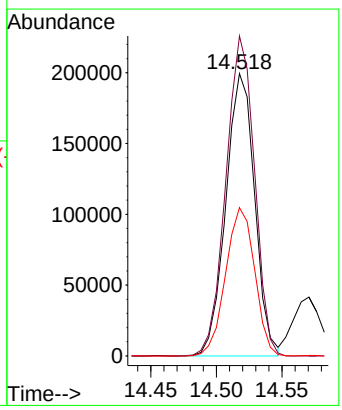
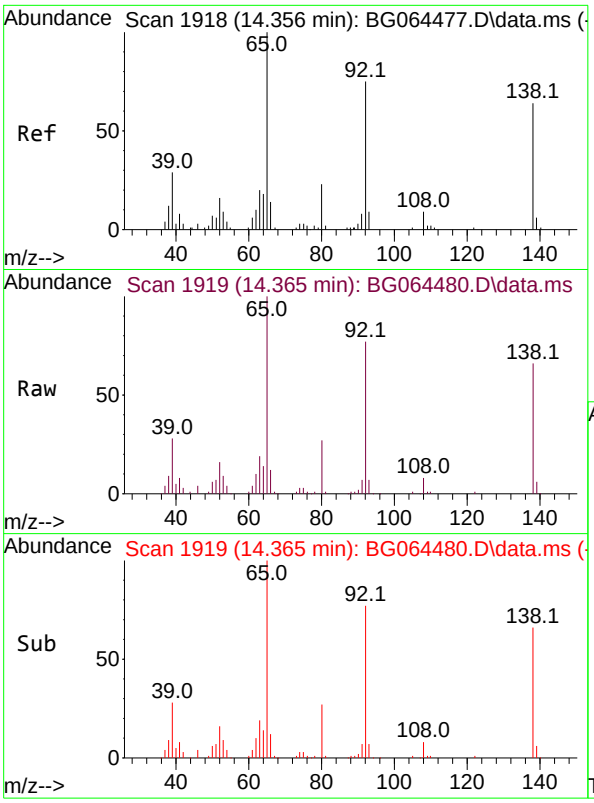


#52
Acenaphthene
Concen: 76.421 ng
RT: 14.518 min Scan# 1945
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

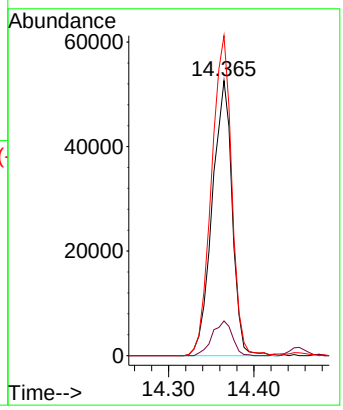




#53
3-Nitroaniline
Concen: 78.688 ng
RT: 14.365 min Scan# 19
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:138 Resp: 8533

Ion	Ratio	Lower	Upper
138	100		
108	12.6	10.6	15.8
92	116.4	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
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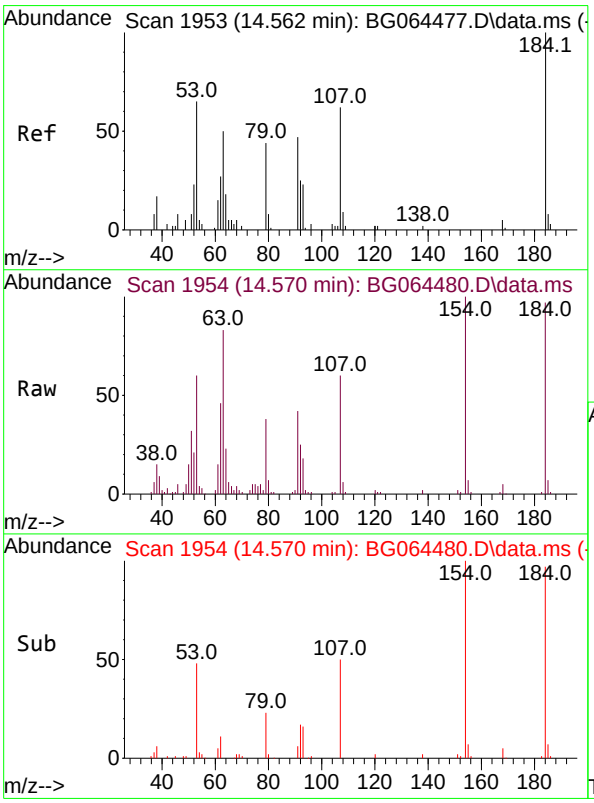
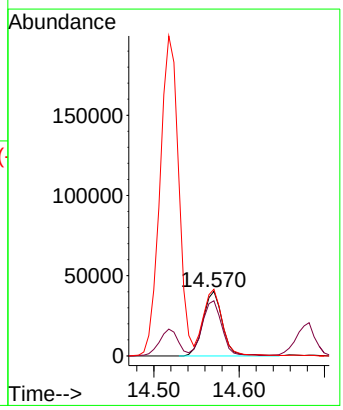
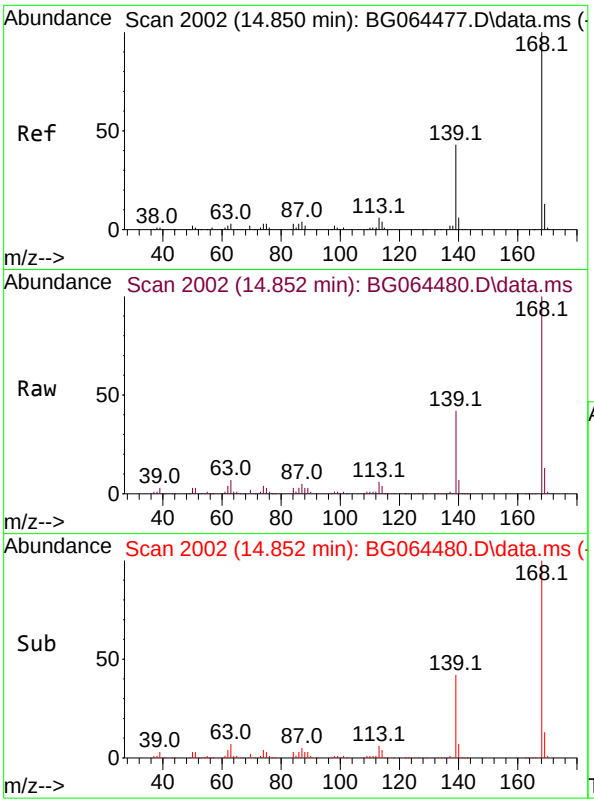


#54
2,4-Dinitrophenol
Concen: 74.326 ng
RT: 14.570 min Scan# 1954
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

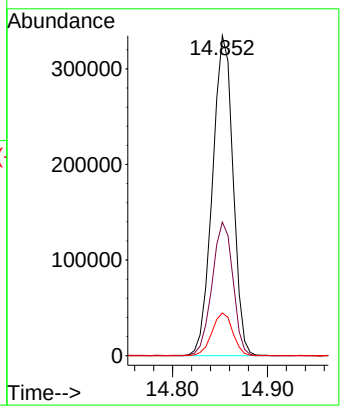




#55
Dibenzofuran
Concen: 76.684 ng
RT: 14.852 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:168 Resp: 50539

Ion	Ratio	Lower	Upper
168	100		
139	41.7	34.0	51.0
169	13.3	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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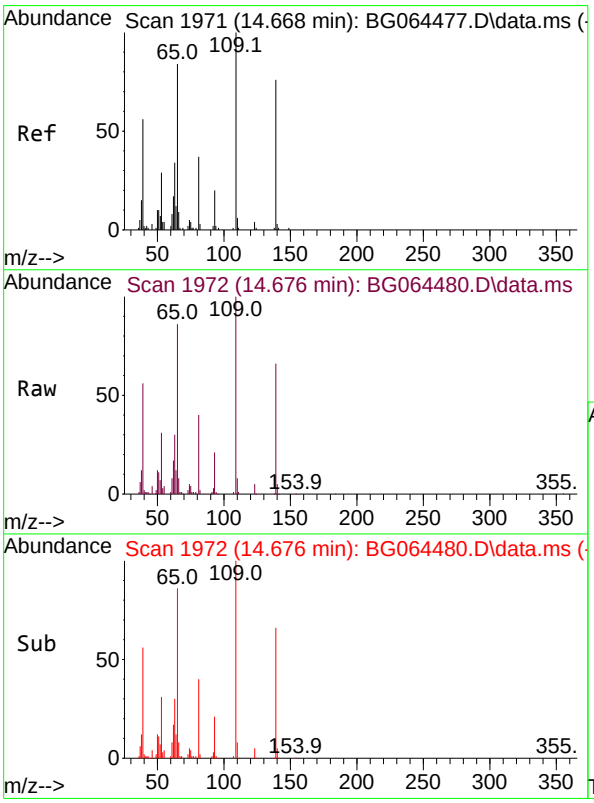
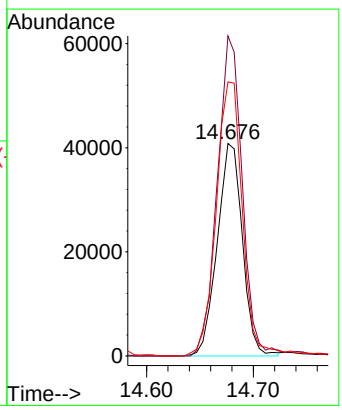
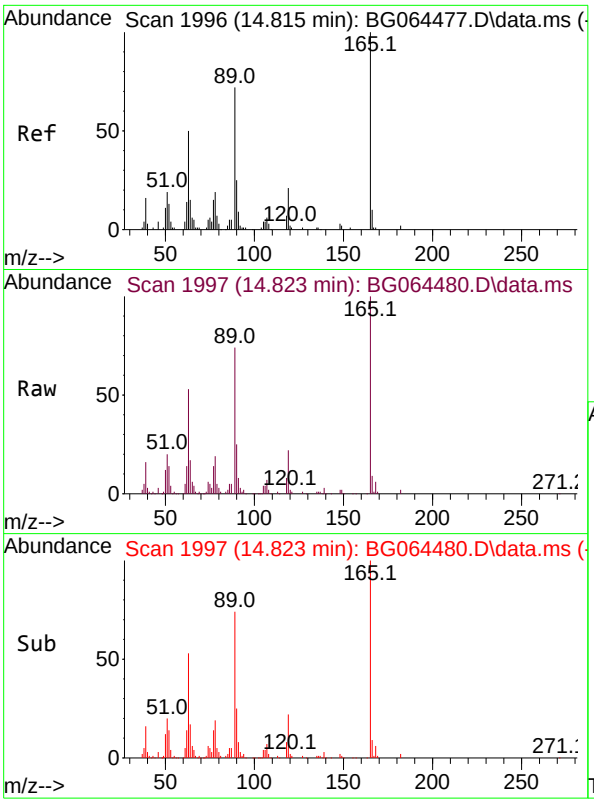


#56
4-Nitrophenol
Concen: 78.369 ng
RT: 14.676 min Scan# 1972
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

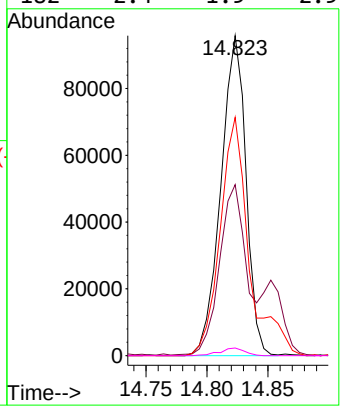




#57
2,4-Dinitrotoluene
Concen: 76.527 ng
RT: 14.823 min Scan# 19
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:165 Resp: 13756

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



Instrument :
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ClientSampleId :
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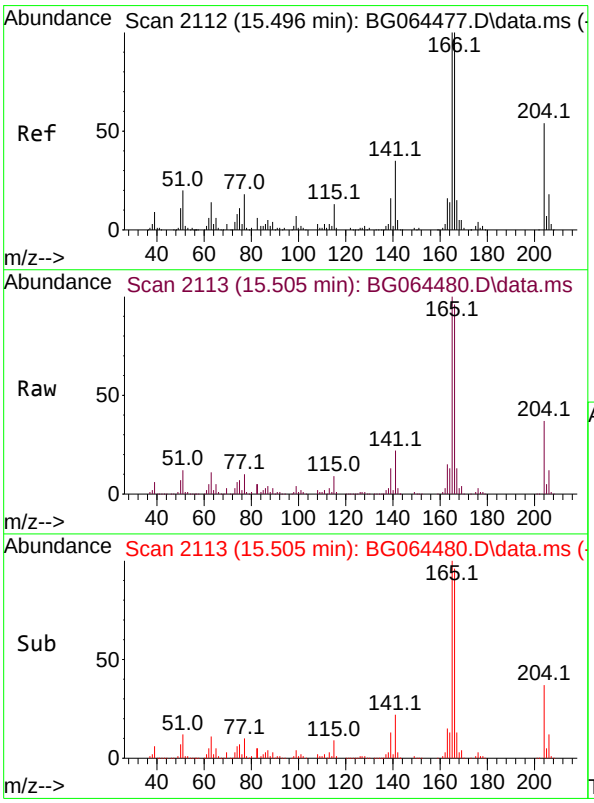
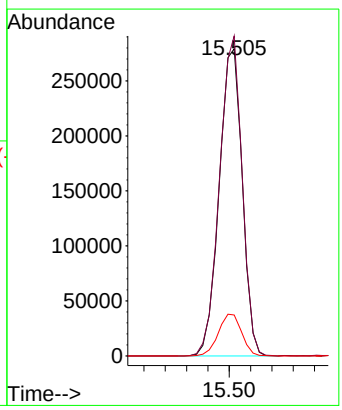
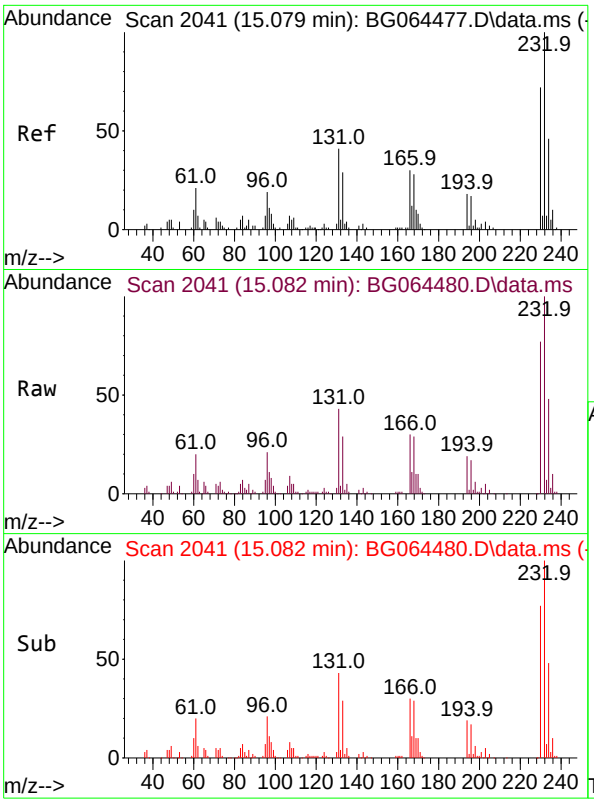


#58
Fluorene
Concen: 76.728 ng
RT: 15.505 min Scan# 2113
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

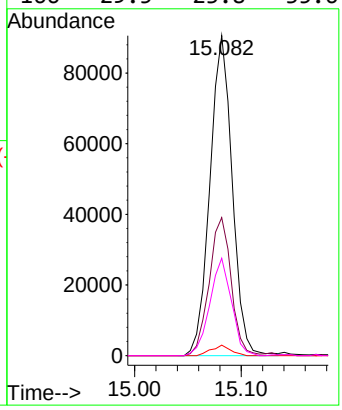




#59
2,3,4,6-Tetrachlorophenol
Concen: 77.799 ng
RT: 15.082 min Scan# 20
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:232 Resp: 13186

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



Instrument :
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ClientSampleId :
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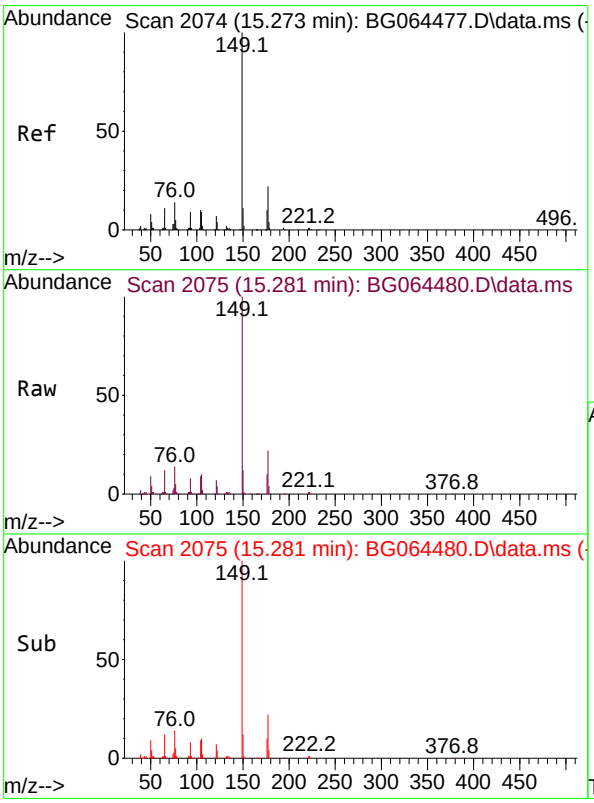
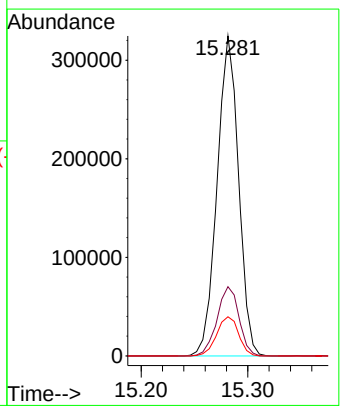
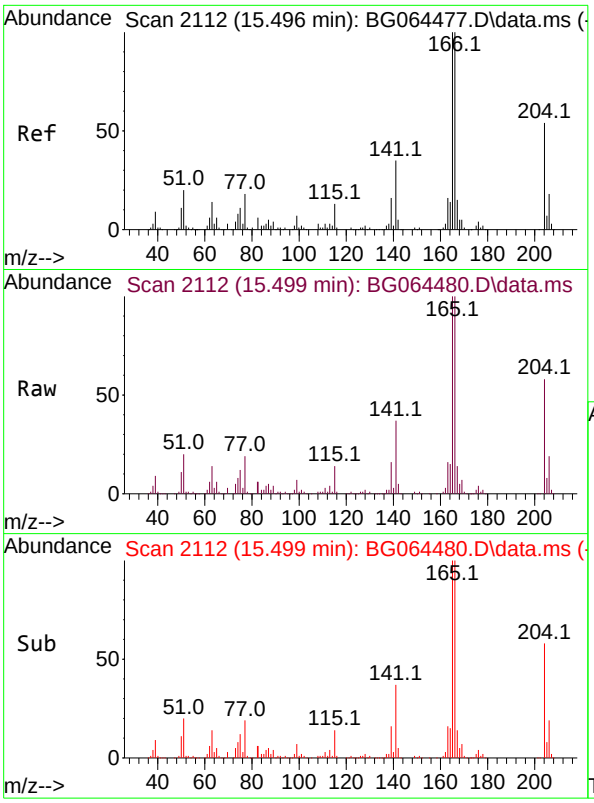


#60
Diethylphthalate
Concen: 75.126 ng
RT: 15.281 min Scan# 2075
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

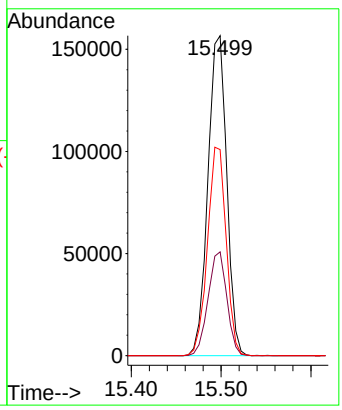




#61
4-Chlorophenyl-phenylether
Concen: 76.517 ng
RT: 15.499 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:204 Resp: 22888

Ion	Ratio	Lower	Upper
204	100		
206	32.5	27.1	40.7
141	64.4	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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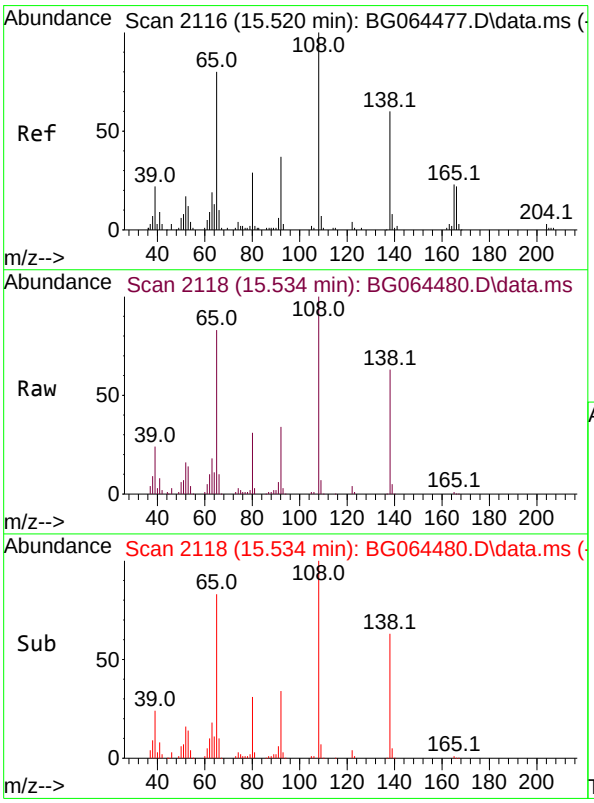
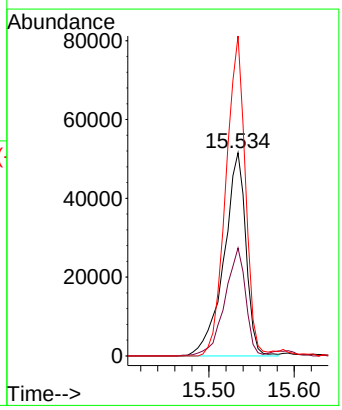
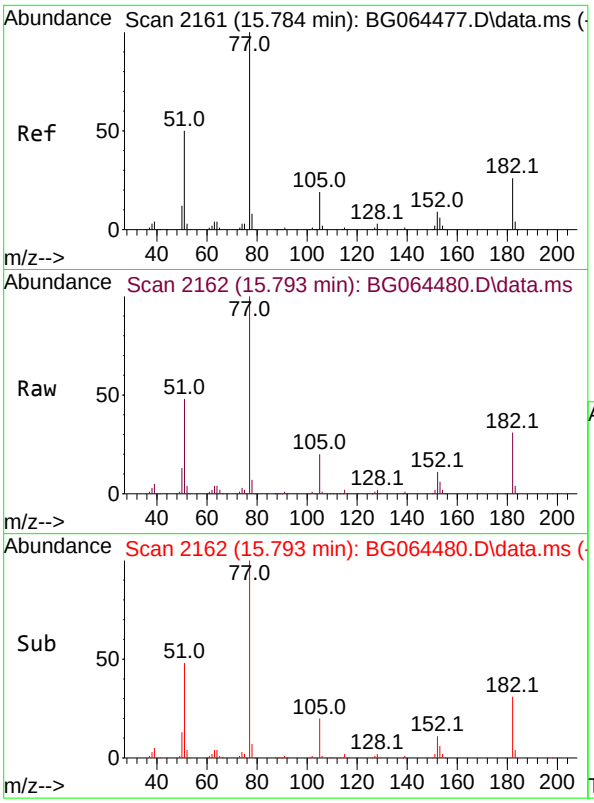


#62
4-Nitroaniline
Concen: 81.579 ng
RT: 15.534 min Scan# 2118
Delta R.T. 0.023 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

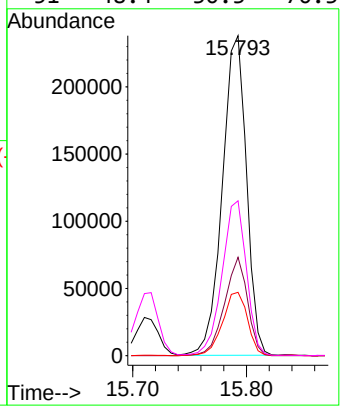




#63
Azobenzene
Concen: 74.723 ng
RT: 15.793 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion: 77 Resp: 35043

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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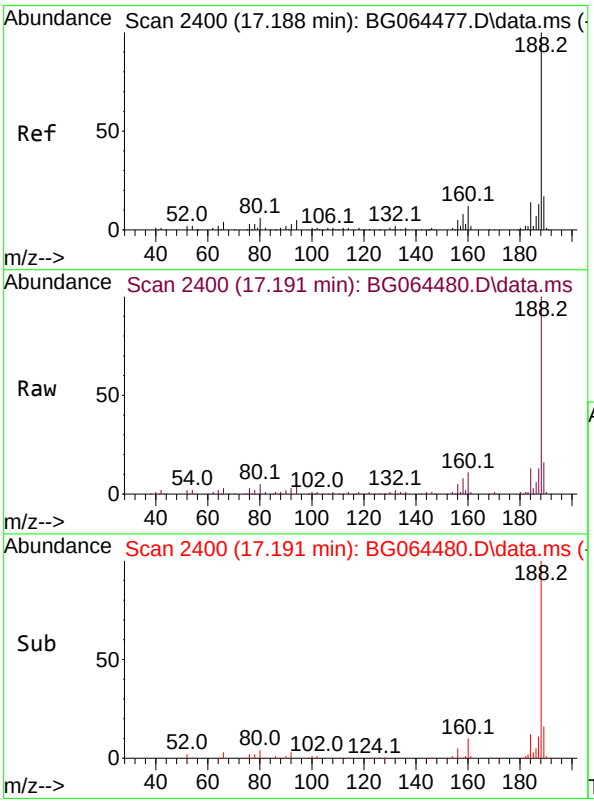
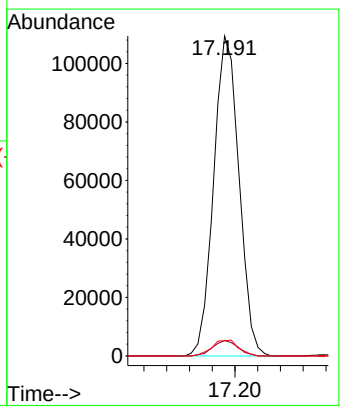
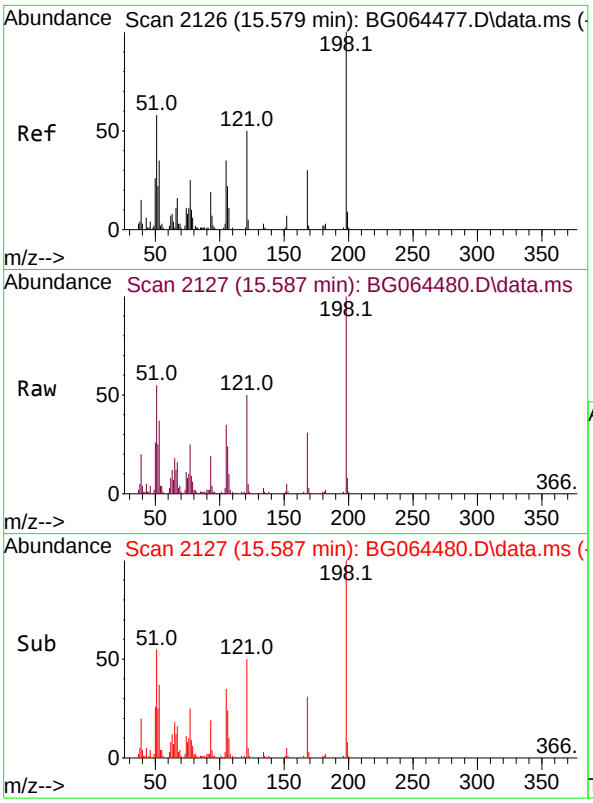


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.191 min Scan# 2400
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

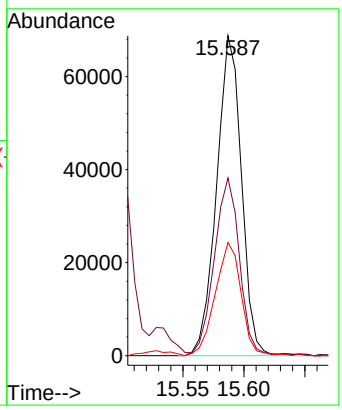




#65
4,6-Dinitro-2-methylphenol
Concen: 82.760 ng
RT: 15.587 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:198 Resp: 9730

Ion	Ratio	Lower	Upper
198	100		
51	55.5	39.0	79.0
105	35.3	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
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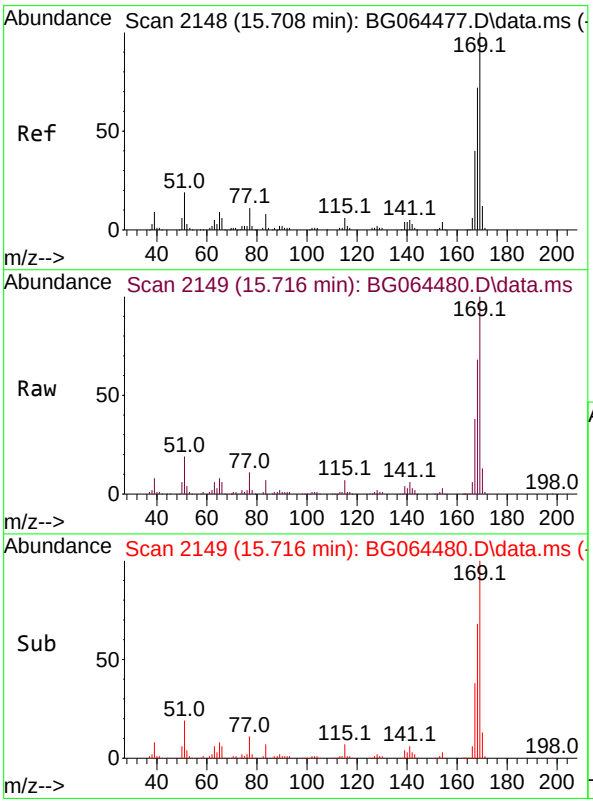
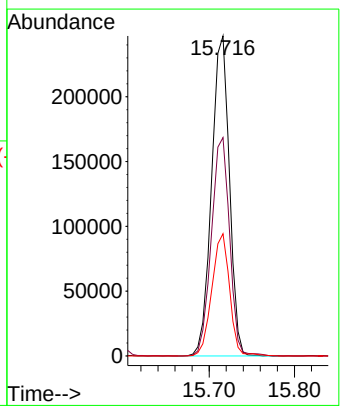
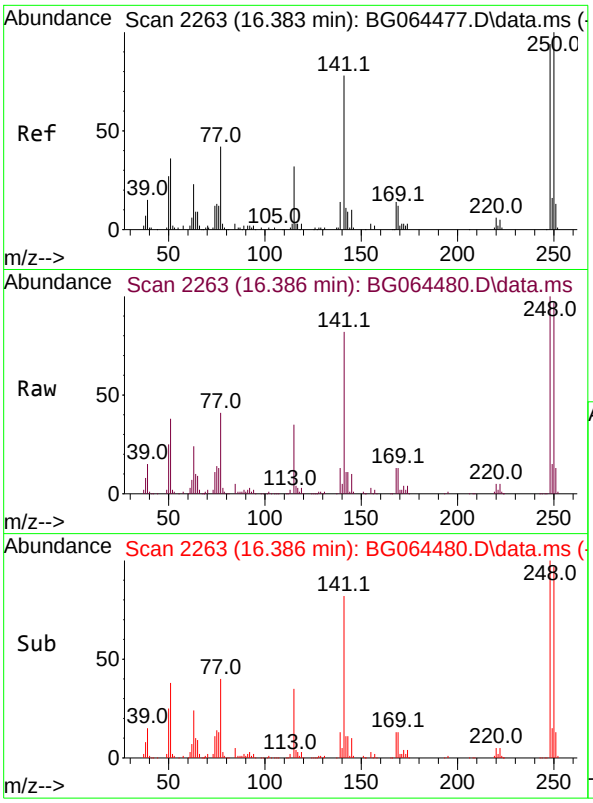


#66
n-Nitrosodiphenylamine
Concen: 79.230 ng
RT: 15.716 min Scan# 2149
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

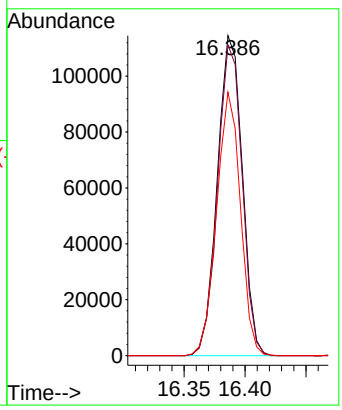




#67
4-Bromophenyl-phenylether
Concen: 81.997 ng
RT: 16.386 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:248 Resp: 16293

Ion	Ratio	Lower	Upper
248	100		
250	97.1	85.3	127.9
141	82.3	66.2	99.2



Instrument :
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ClientSampleId :
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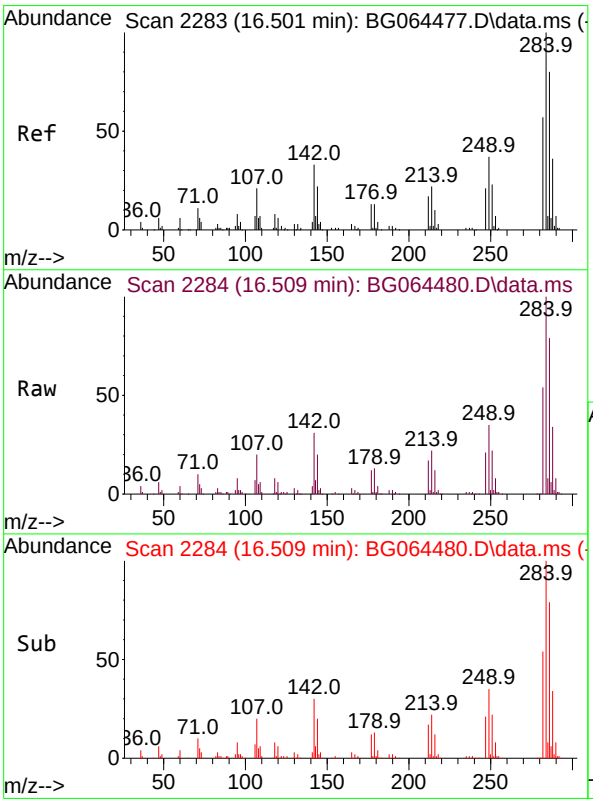
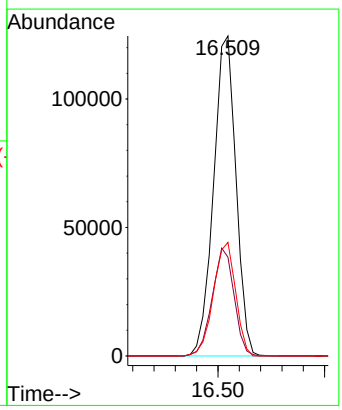
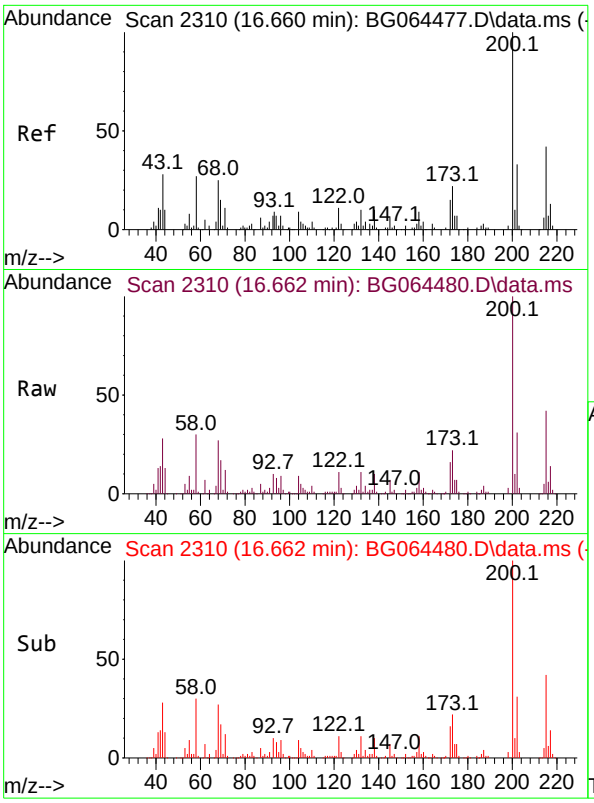


#68
Hexachlorobenzene
Concen: 80.068 ng
RT: 16.509 min Scan# 2284
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

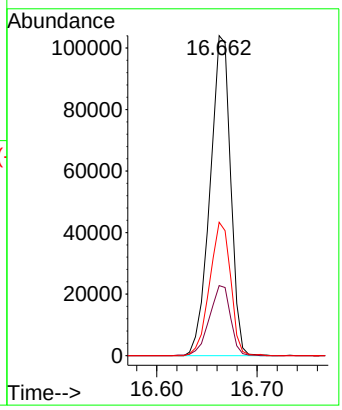




#69
Atrazine
Concen: 73.799 ng
RT: 16.662 min Scan# 2
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:200 Resp: 14805

Ion	Ratio	Lower	Upper
200	100		
173	21.9	2.5	42.5
215	41.7	21.5	61.5



Instrument :
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ClientSampleId :
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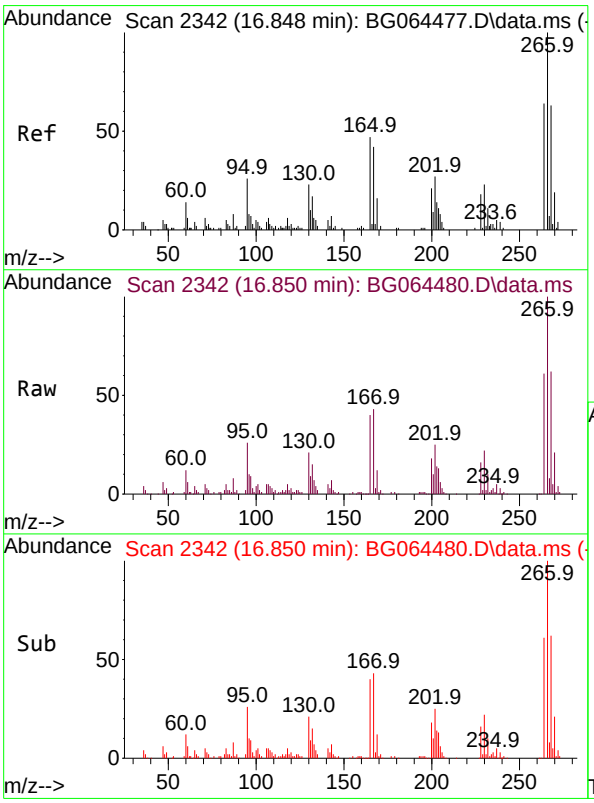
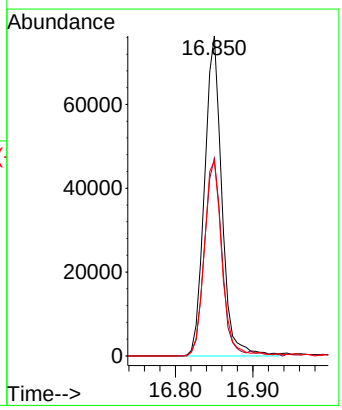
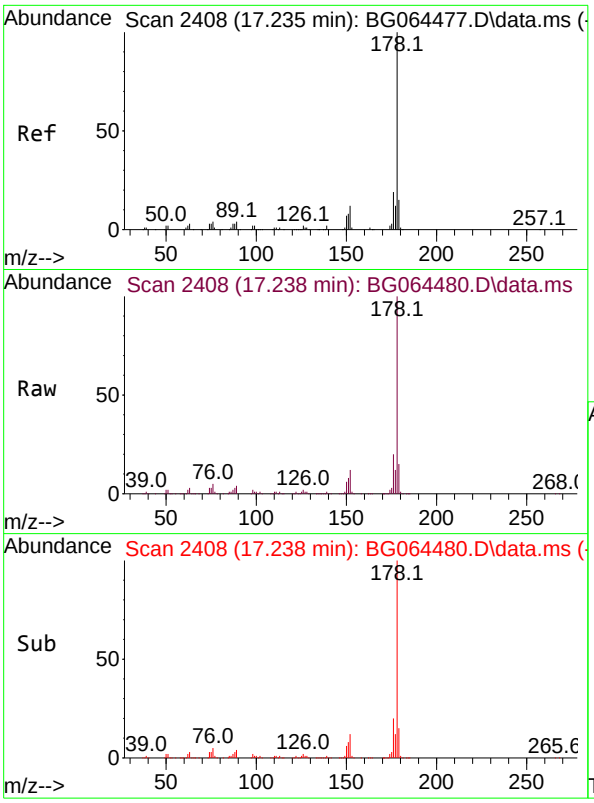


#70
Pentachlorophenol
Concen: 88.752 ng
RT: 16.850 min Scan# 2342
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

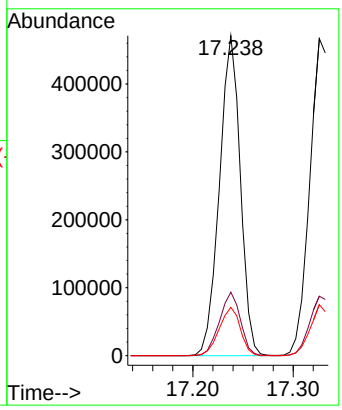




#71
Phenanthrene
Concen: 77.283 ng
RT: 17.238 min Scan# 24
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:178 Resp: 68244

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.2	22.8
179	15.1	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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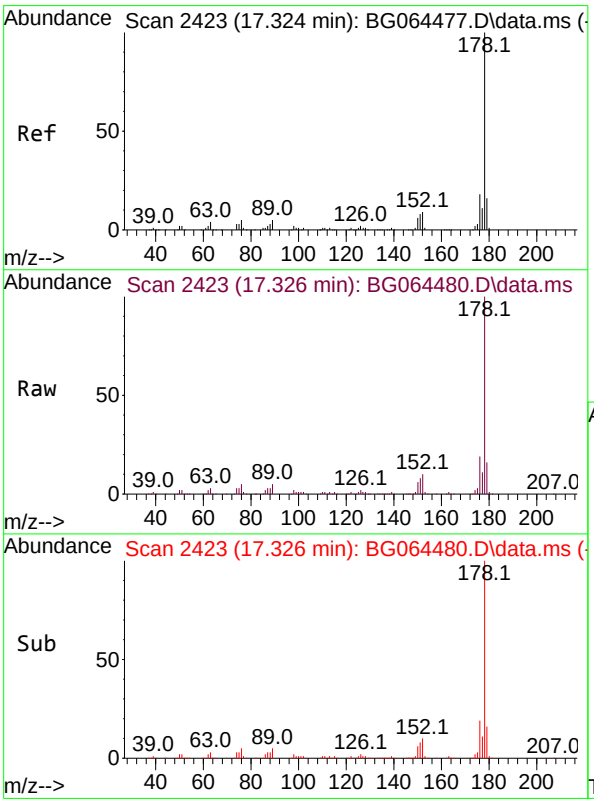
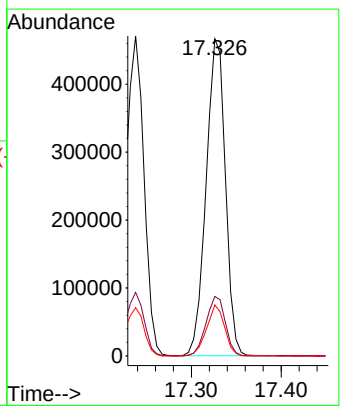
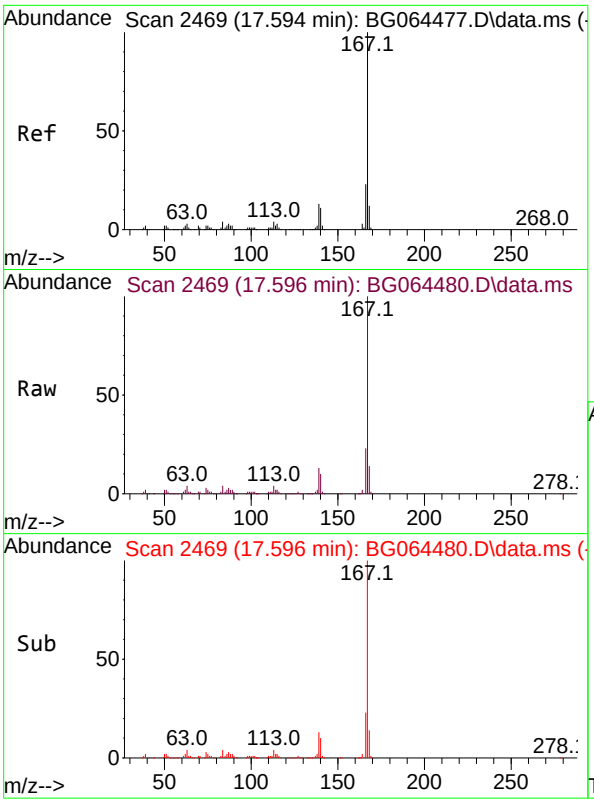


#72
Anthracene
Concen: 78.433 ng
RT: 17.326 min Scan# 2423
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

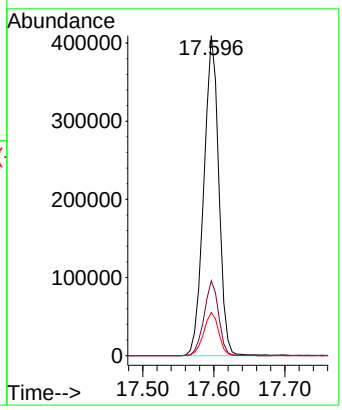




#73
Carbazole
Concen: 77.661 ng
RT: 17.596 min Scan# 24
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:167 Resp: 59466

Ion	Ratio	Lower	Upper
167	100		
166	23.4	18.6	27.8
139	13.5	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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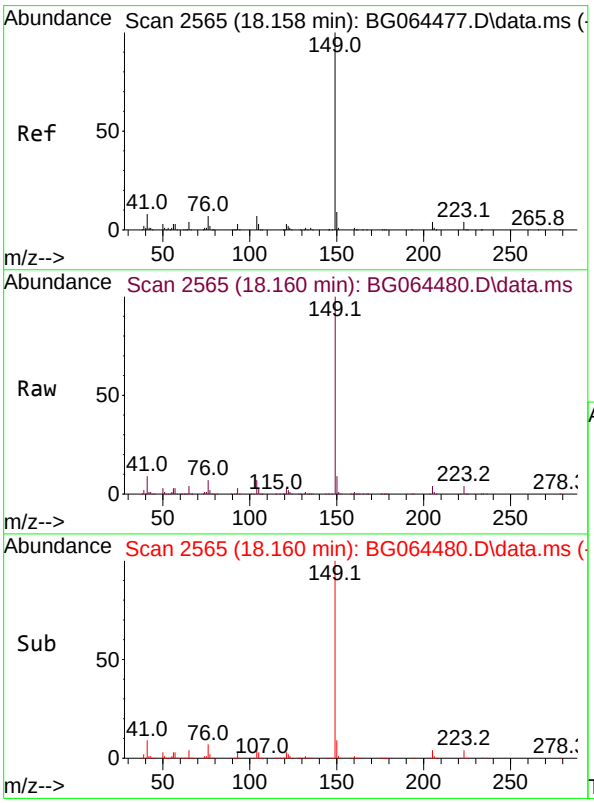
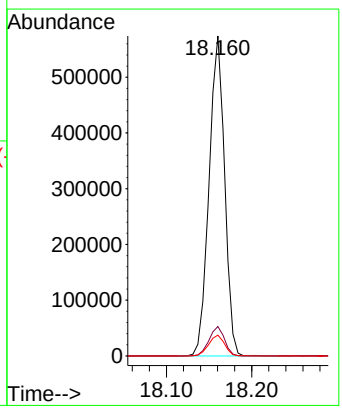
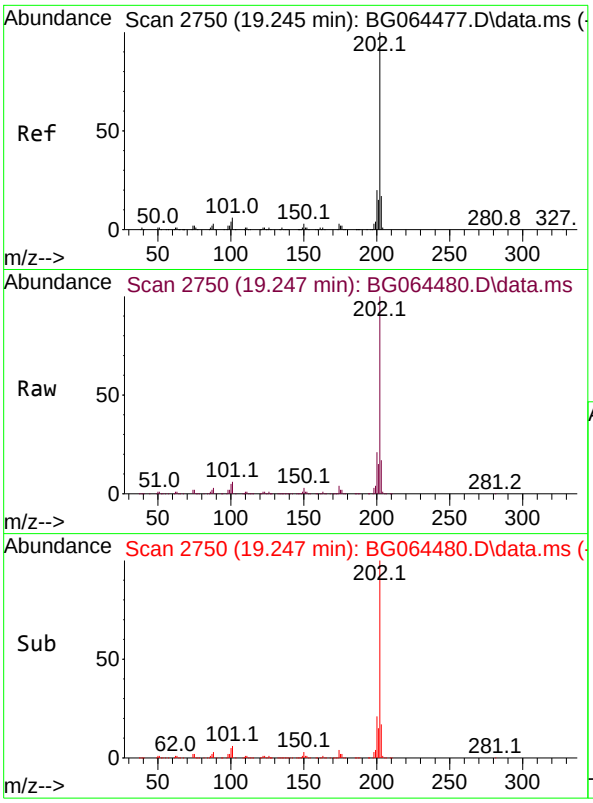


#74
Di-n-butylphthalate
Concen: 77.727 ng
RT: 18.160 min Scan# 2565
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

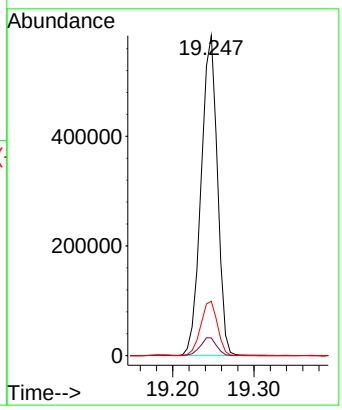




#75
Fluoranthene
Concen: 77.060 ng
RT: 19.247 min Scan# 2
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:202 Resp: 81292

Ion	Ratio	Lower	Upper
202	100		
101	5.5	0.0	25.7
203	17.0	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
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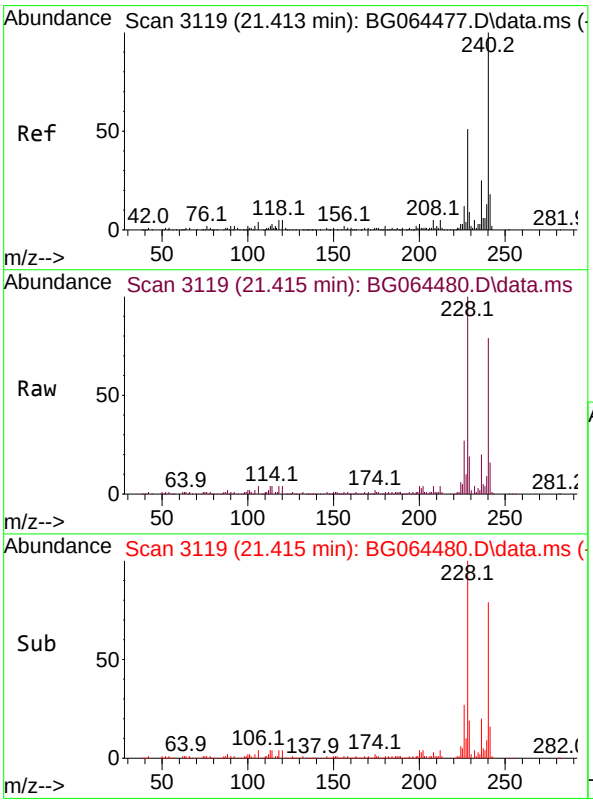
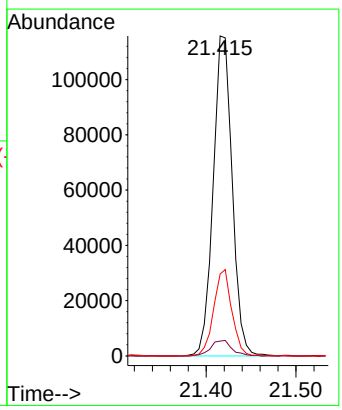
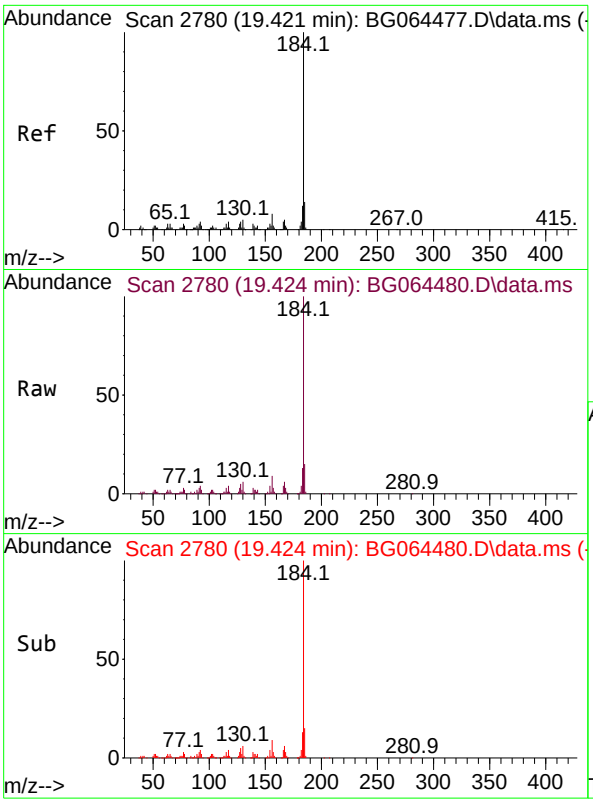


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3119
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

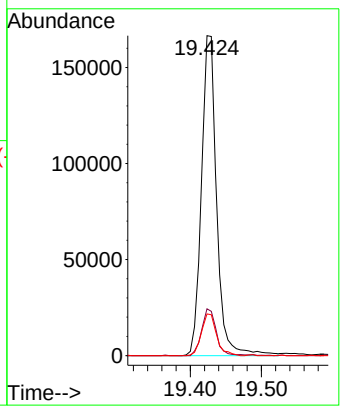




#77
Benzidine
Concen: 57.755 ng
RT: 19.424 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:184 Resp: 24646

Ion	Ratio	Lower	Upper
184	100		
185	14.6	10.9	16.3
183	13.0	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
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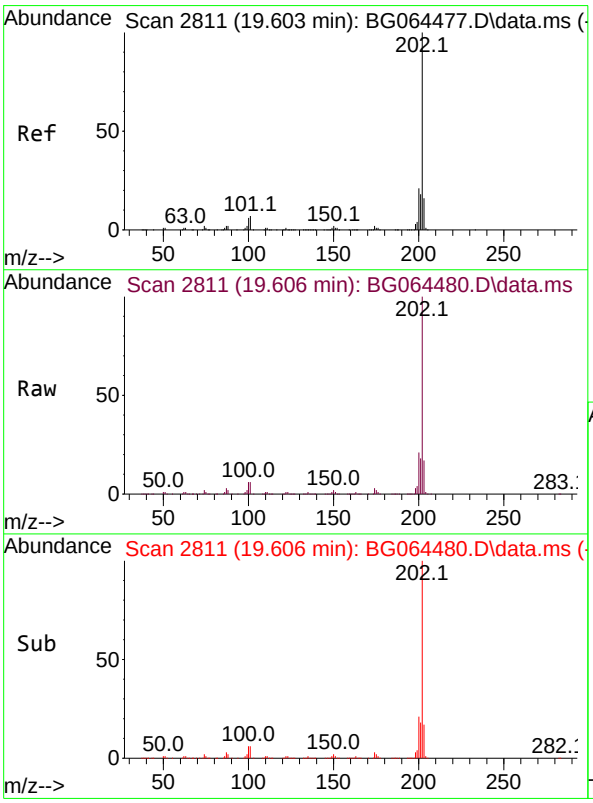
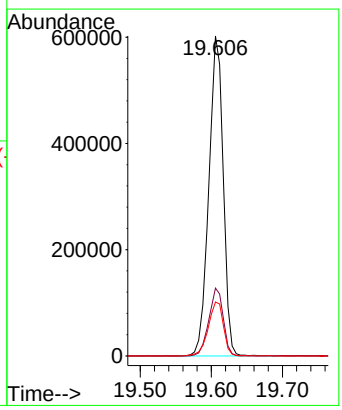
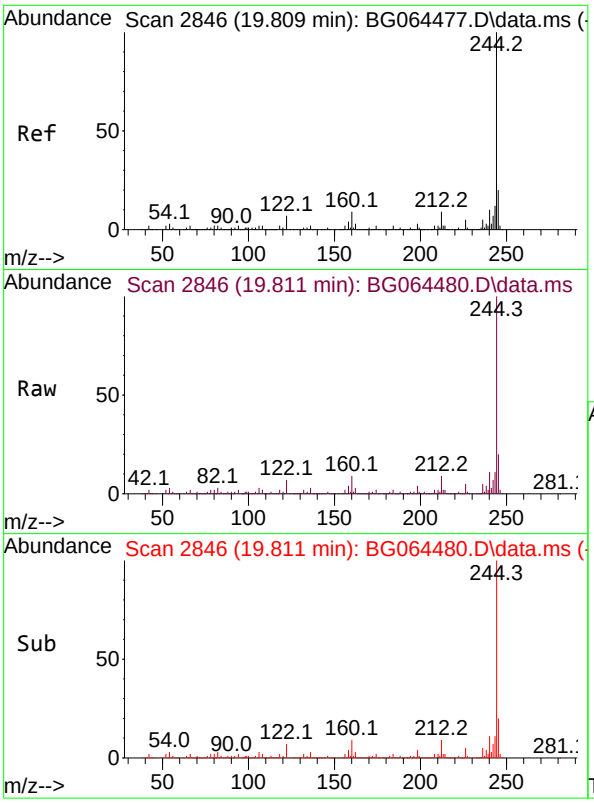


#78
Pyrene
Concen: 75.840 ng
RT: 19.606 min Scan# 2811
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

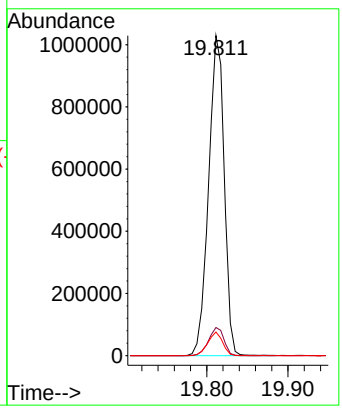




#79
Terphenyl-d14
Concen: 151.833 ng
RT: 19.811 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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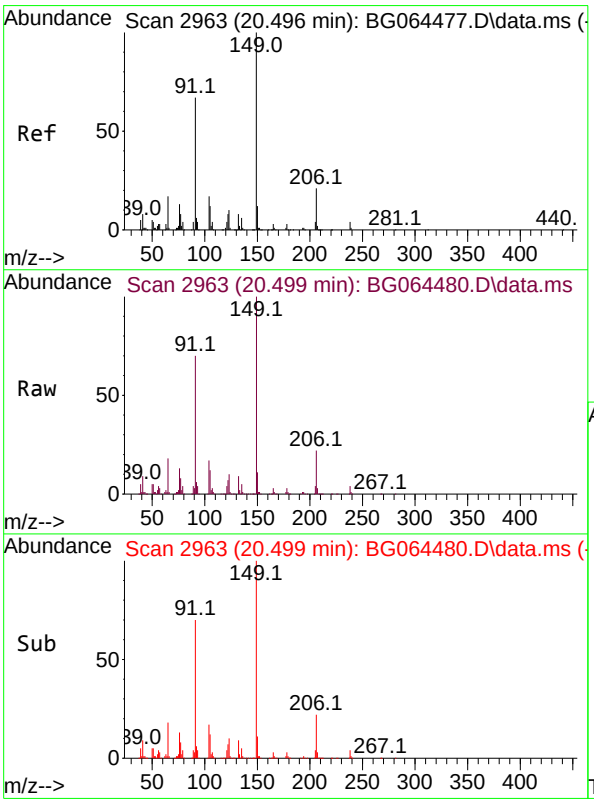
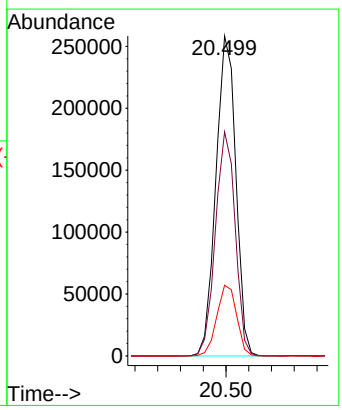
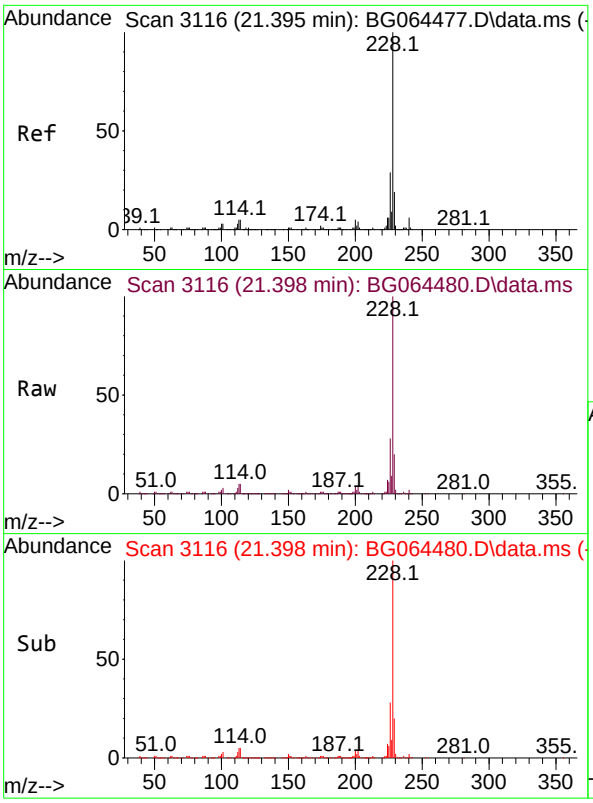


#80
Butylbenzylphthalate
Concen: 79.710 ng
RT: 20.499 min Scan# 2963
Delta R.T. -0.001 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

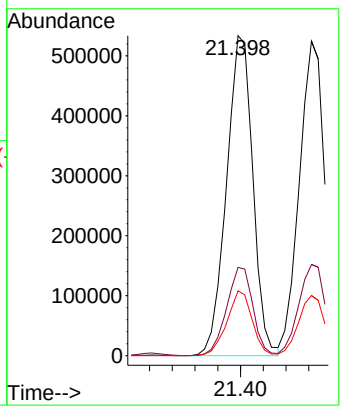




#81
Benzo(a)anthracene
Concen: 78.497 ng
RT: 21.398 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:228 Resp: 85955

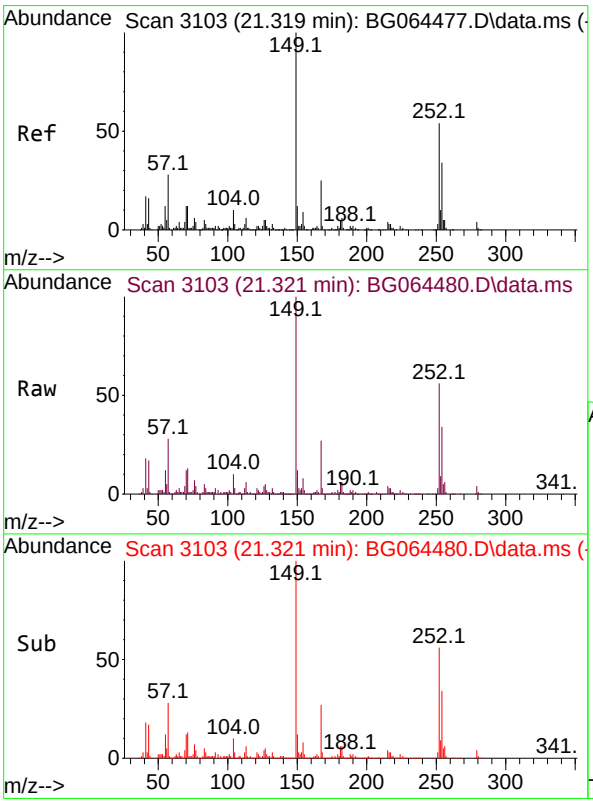
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.8	34.2
229	20.2	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

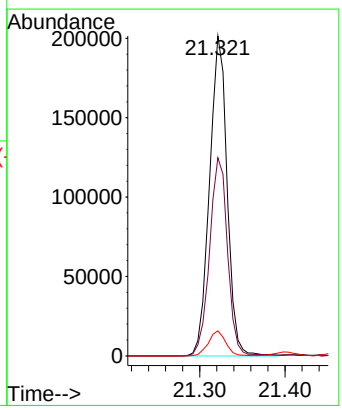
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

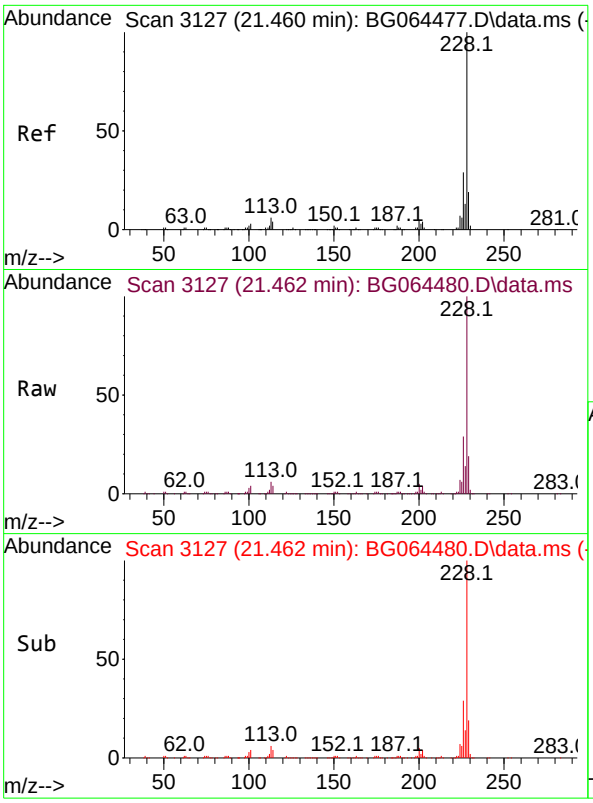


#82
3,3'-Dichlorobenzidine
Concen: 77.829 ng
RT: 21.321 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

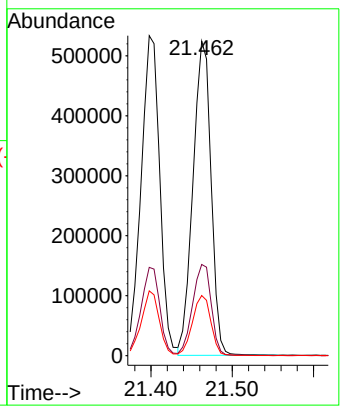




#83
Chrysene
Concen: 77.803 ng
RT: 21.462 min Scan# 3
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:228 Resp: 80796

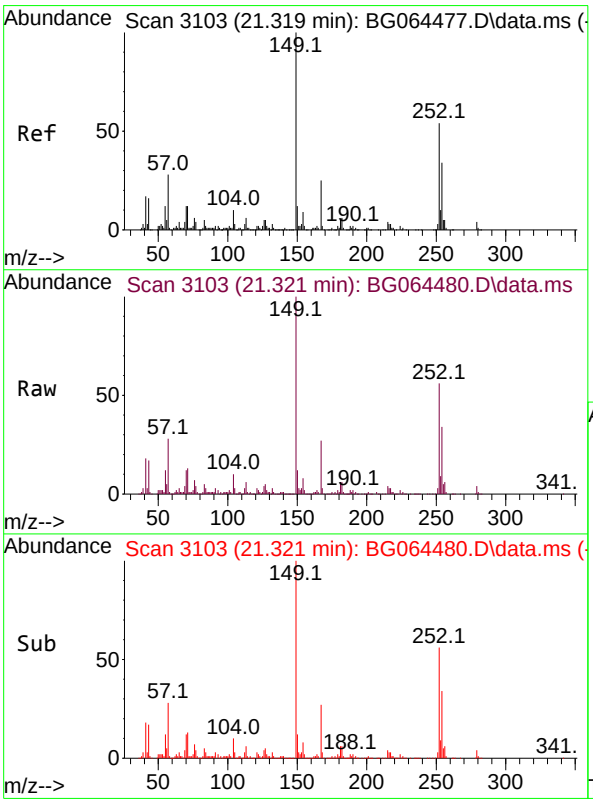
Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.8	34.2
229	19.1	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

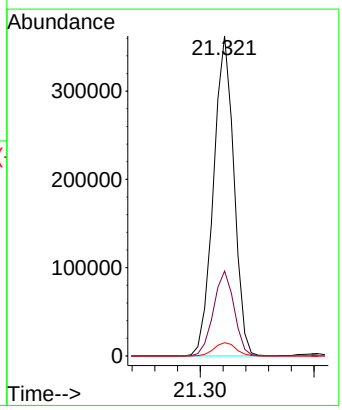
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

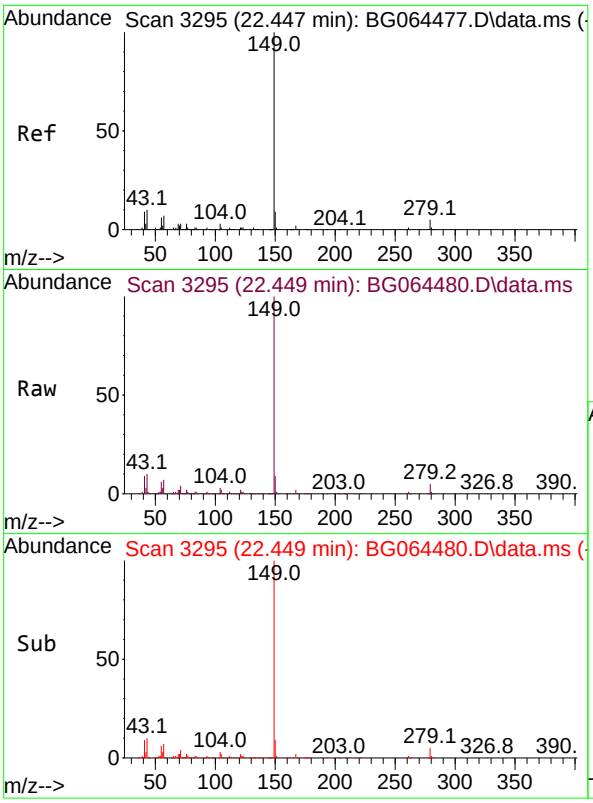


#84
Bis(2-ethylhexyl)phthalate
Concen: 81.044 ng
RT: 21.321 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

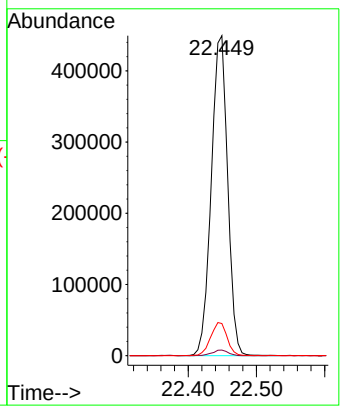




#85
Di-n-octyl phthalate
Concen: 79.877 ng
RT: 22.449 min Scan# 3
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:149 Resp: 74730

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	10.4	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
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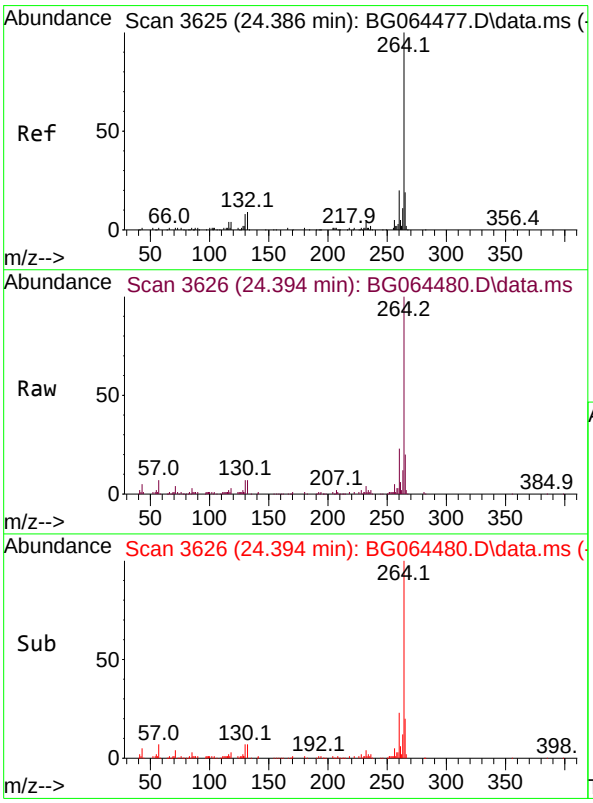
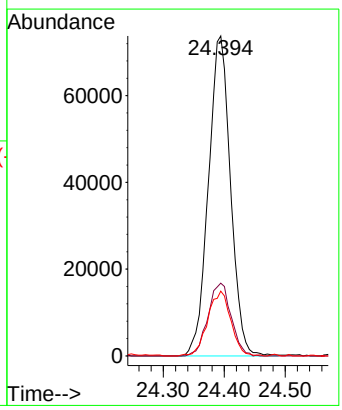
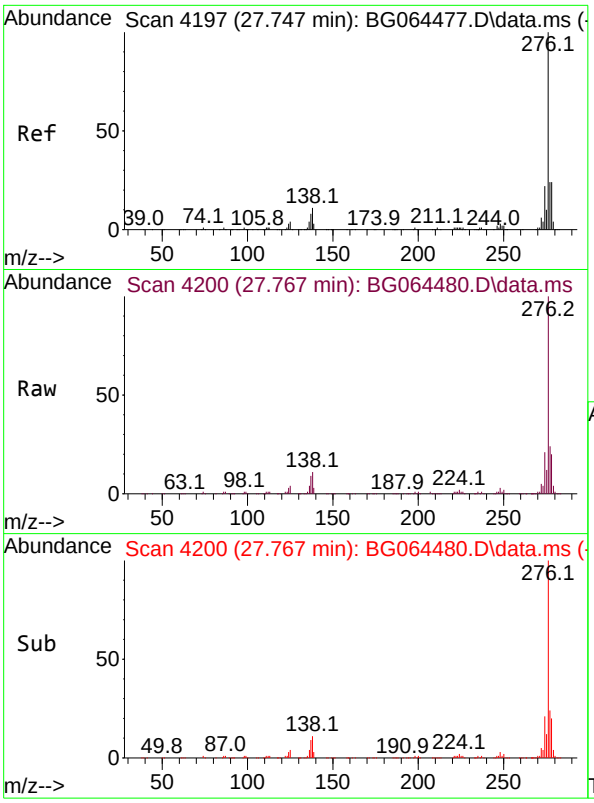


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.394 min Scan# 3626
Delta R.T. 0.005 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

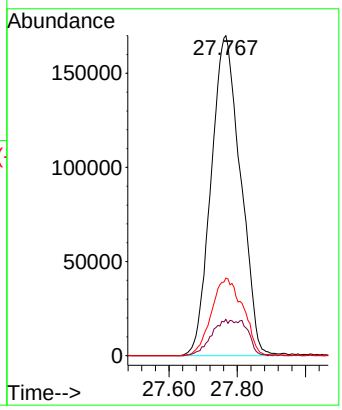




#87
Indeno(1,2,3-cd)pyrene
Concen: 78.621 ng
RT: 27.767 min Scan# 4
Delta R.T. 0.034 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:276 Resp: 101730

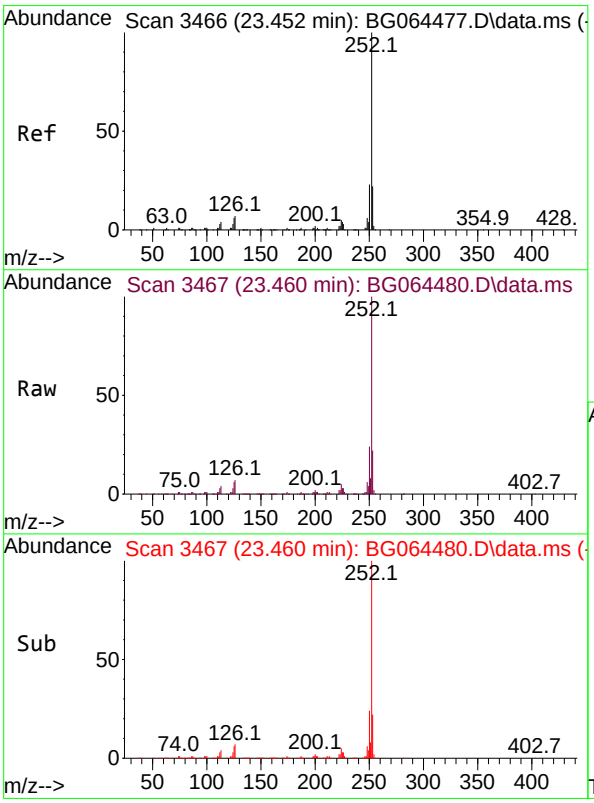
Ion	Ratio	Lower	Upper
276	100		
138	6.5	10.8	16.2#
277	26.0	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

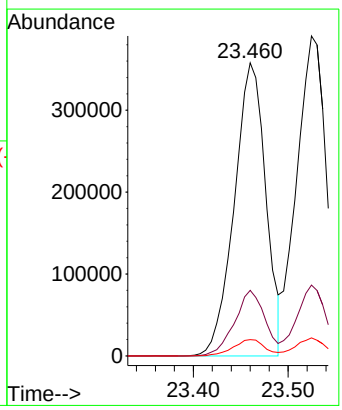
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

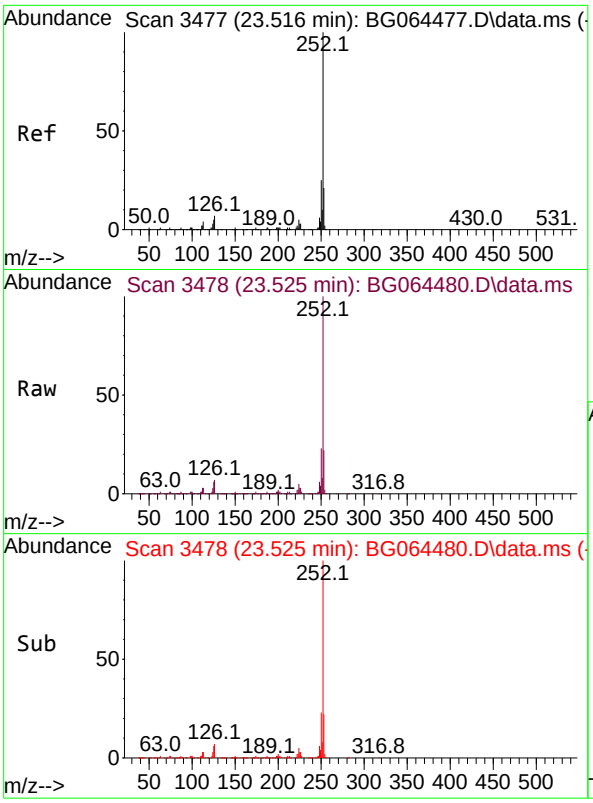


#88
Benzo(b)fluoranthene
Concen: 78.008 ng
RT: 23.460 min Scan# 3467
Delta R.T. 0.011 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

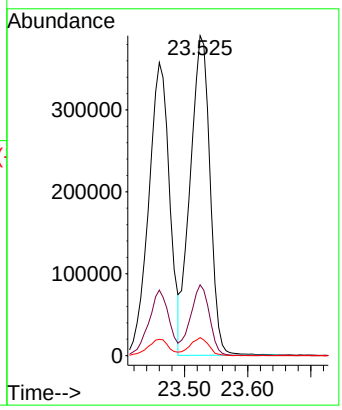




#89
Benzo(k)fluoranthene
Concen: 79.738 ng
RT: 23.525 min Scan# 34
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:252 Resp: 84930

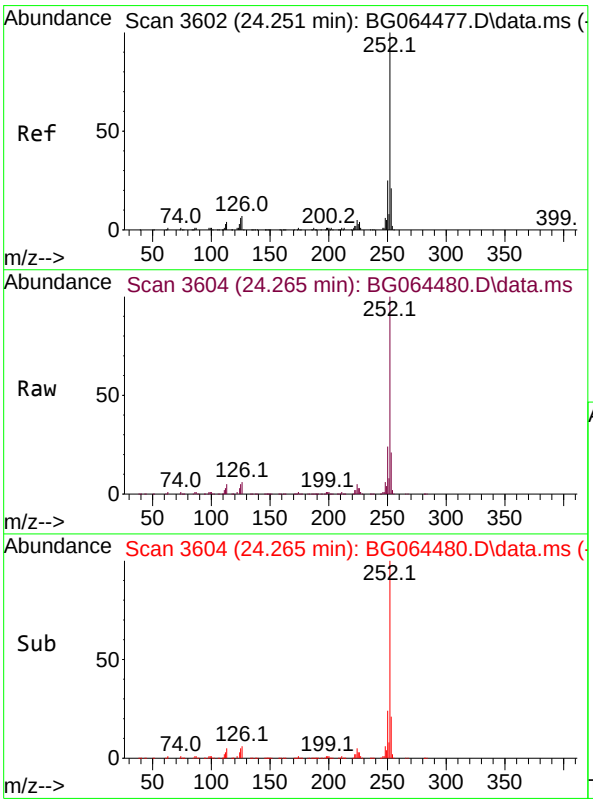
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	5.7	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

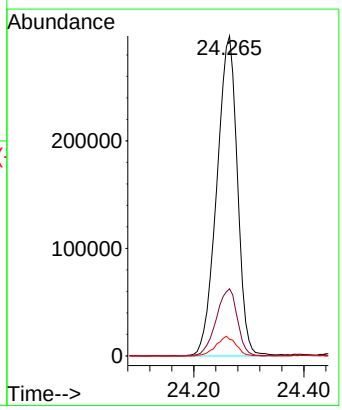
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

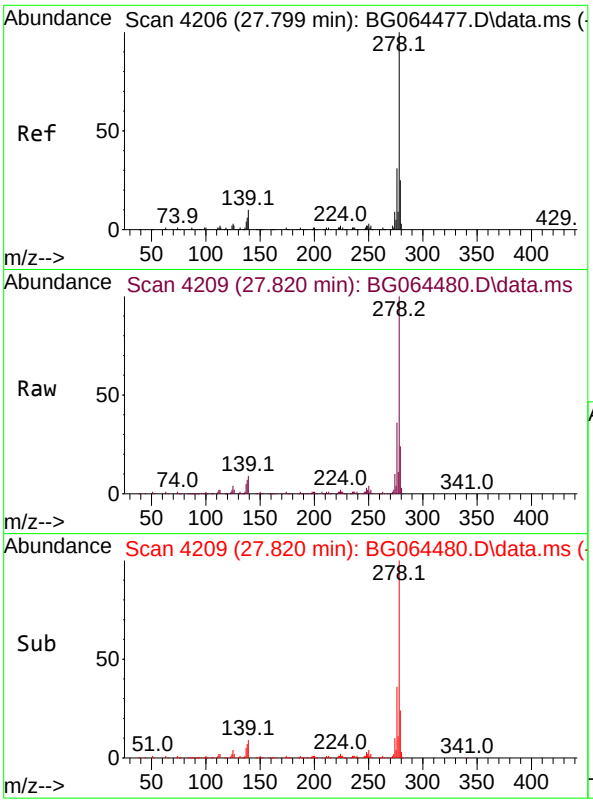


#90
Benzo(a)pyrene
Concen: 79.130 ng
RT: 24.265 min Scan# 3604
Delta R.T. 0.017 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

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

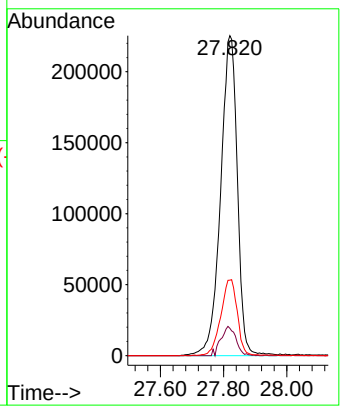




#91
Dibenzo(a,h)anthracene
Concen: 80.178 ng
RT: 27.820 min Scan# 4
Delta R.T. 0.040 min
Lab File: BG064480.D
Acq: 2 Oct 2025 14:16

Tgt Ion:278 Resp: 82966

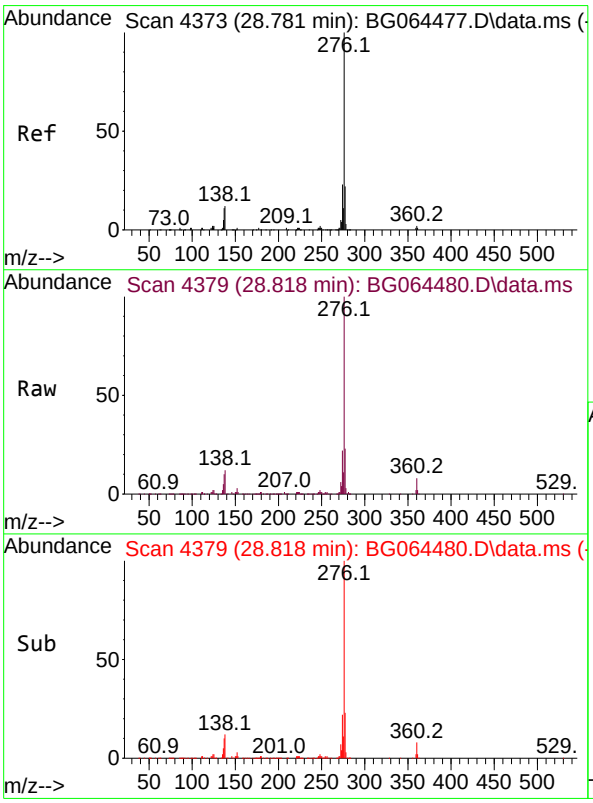
Ion	Ratio	Lower	Upper
278	100		
139	8.5	8.2	12.2
279	23.6	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

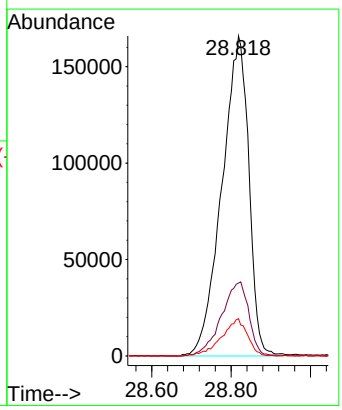
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#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 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

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

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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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

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

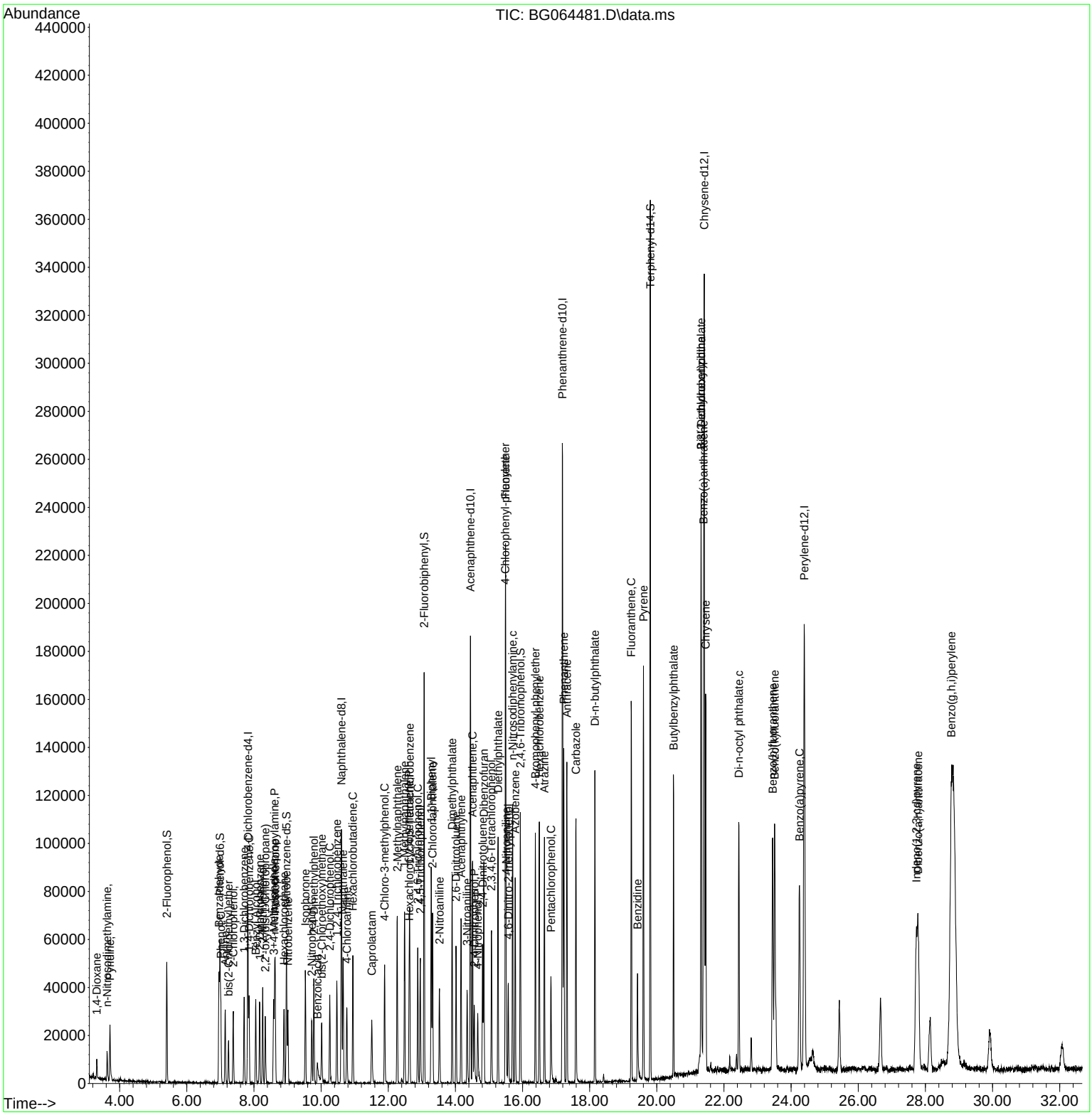
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064481.D
Acq On : 2 Oct 2025 15:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 10 Sample Multiplier: 1

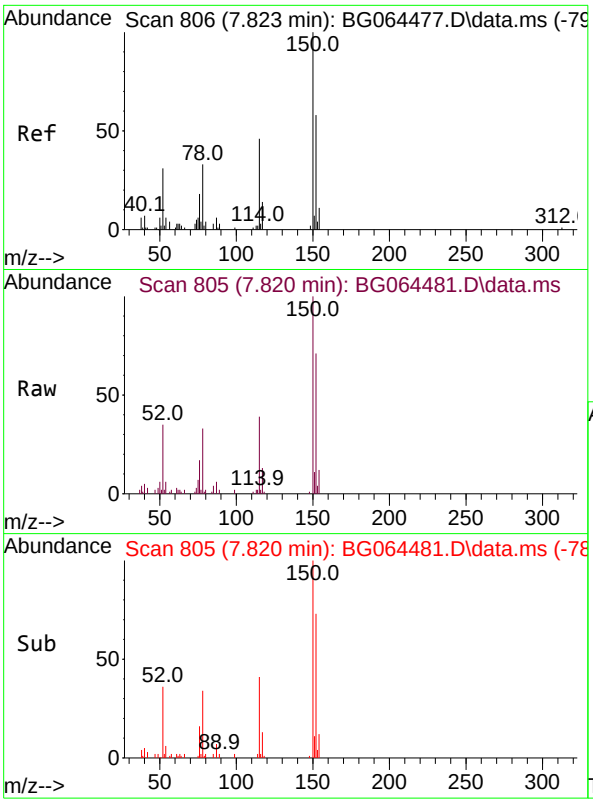
Quant Time: Oct 02 17:12:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

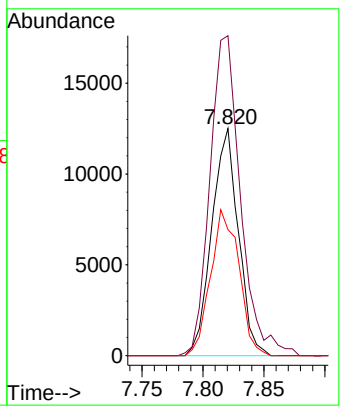




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.820 min Scan# 80
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:152 Resp: 1897

Ion	Ratio	Lower	Upper
152	100		
150	140.9	138.6	207.8
115	55.5	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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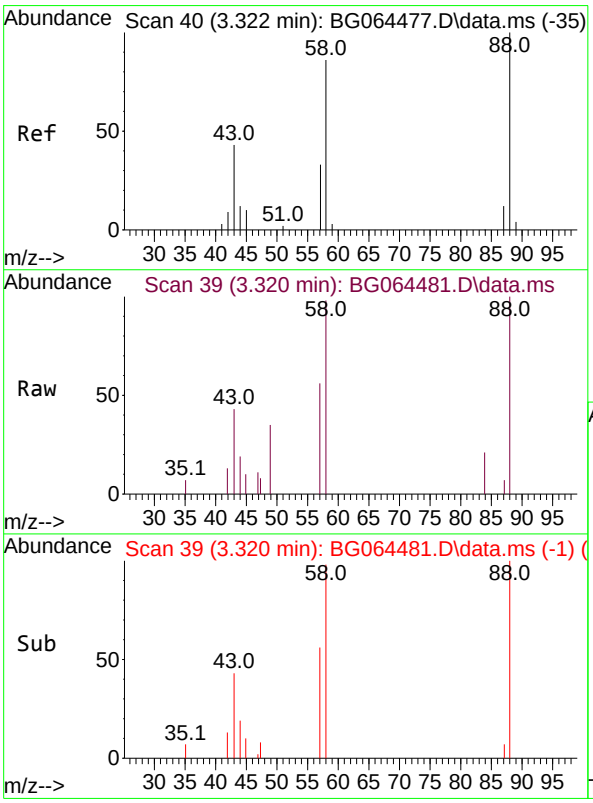
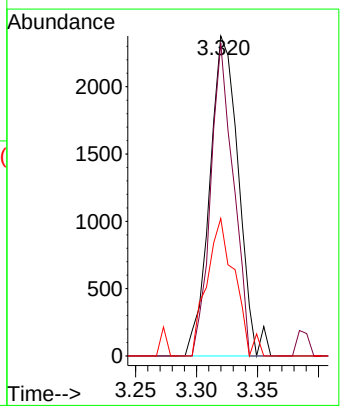
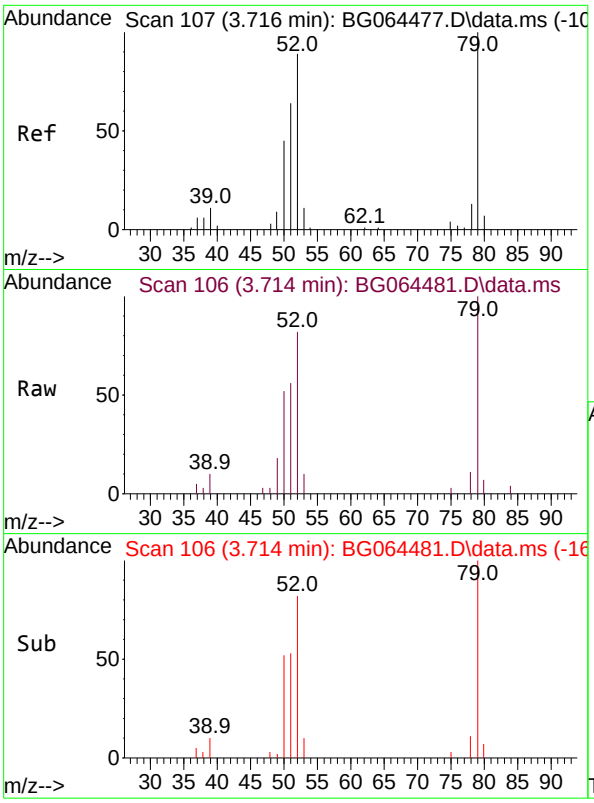


#2
1,4-Dioxane
Concen: 9.636 ng
RT: 3.320 min Scan# 39
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

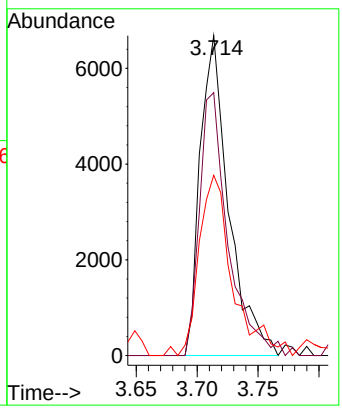




#3
Pyridine
Concen: 10.016 ng
RT: 3.714 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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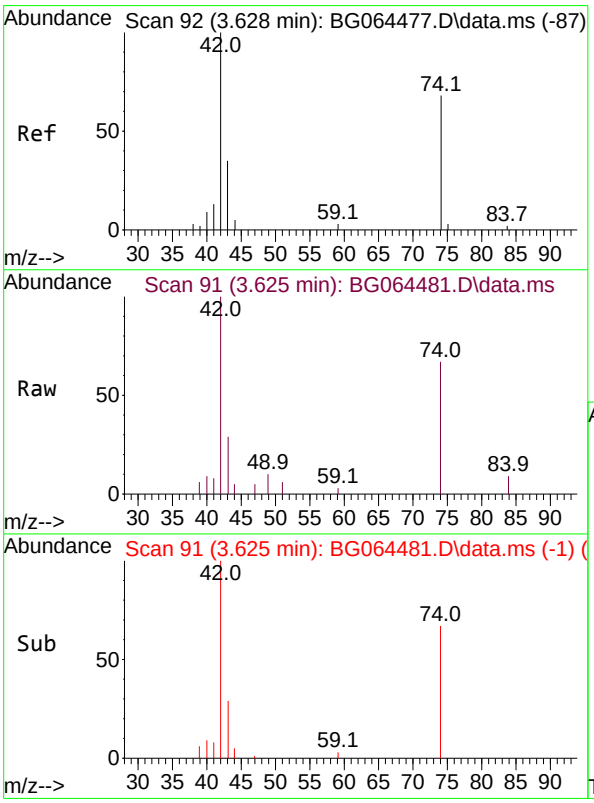
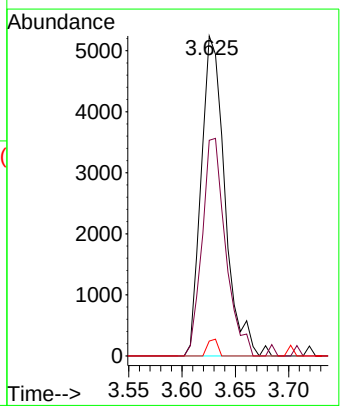
Supervised By :Jagrut Upadhyay 10/03/2025

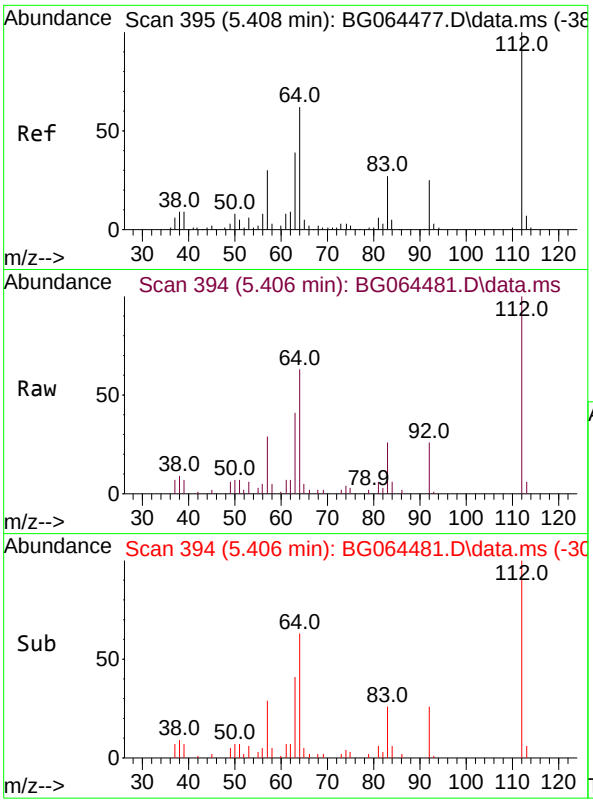


#4
n-Nitrosodimethylamine
Concen: 10.250 ng
RT: 3.625 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

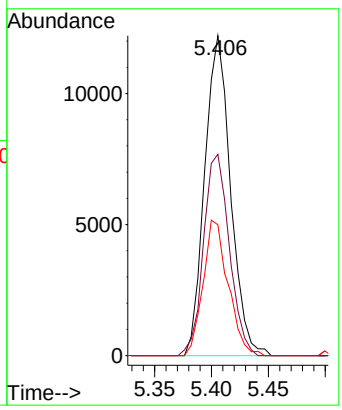




#5
2-Fluorophenol
Concen: 18.845 ng
RT: 5.406 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:112 Resp: 1931

Ion	Ratio	Lower	Upper
112	100		
64	62.9	49.8	74.8
63	40.9	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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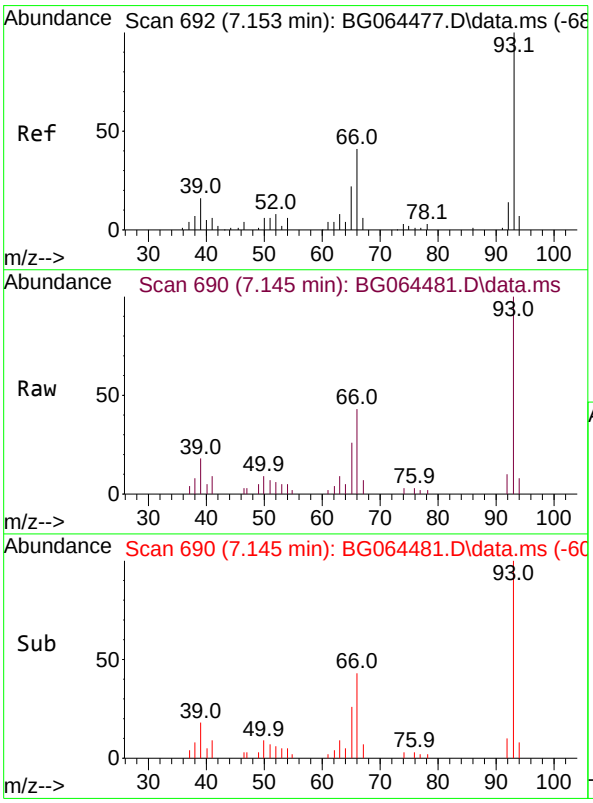
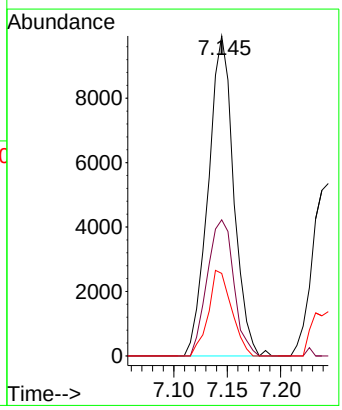
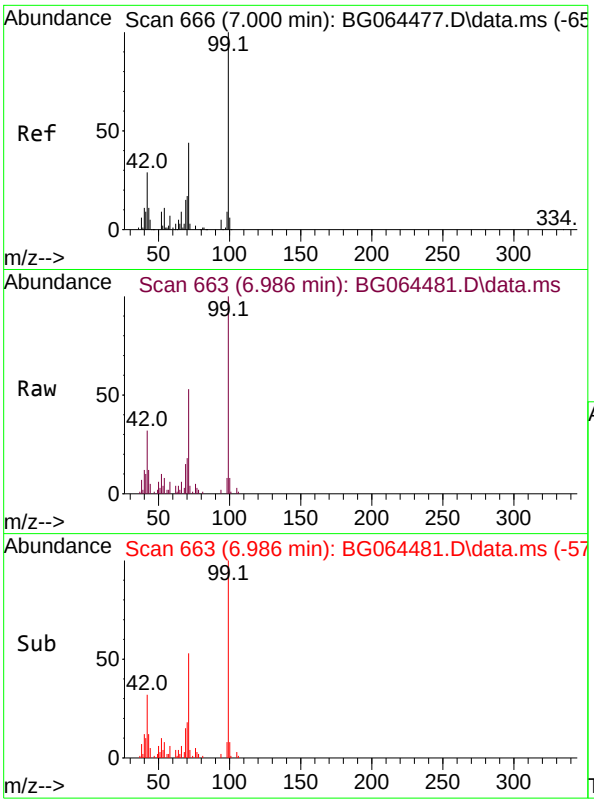


#6
Aniline
Concen: 9.490 ng
RT: 7.145 min Scan# 690
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

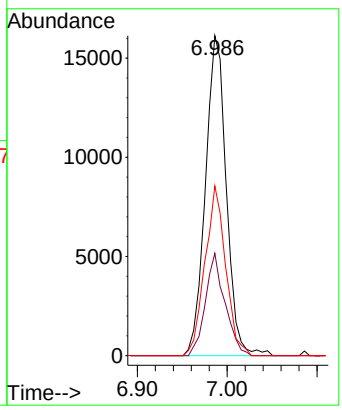




#7
Phenol-d6
Concen: 18.914 ng
RT: 6.986 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 99 Resp: 2605

Ion	Ratio	Lower	Upper
99	100		
42	32.0	22.9	34.3
71	53.0	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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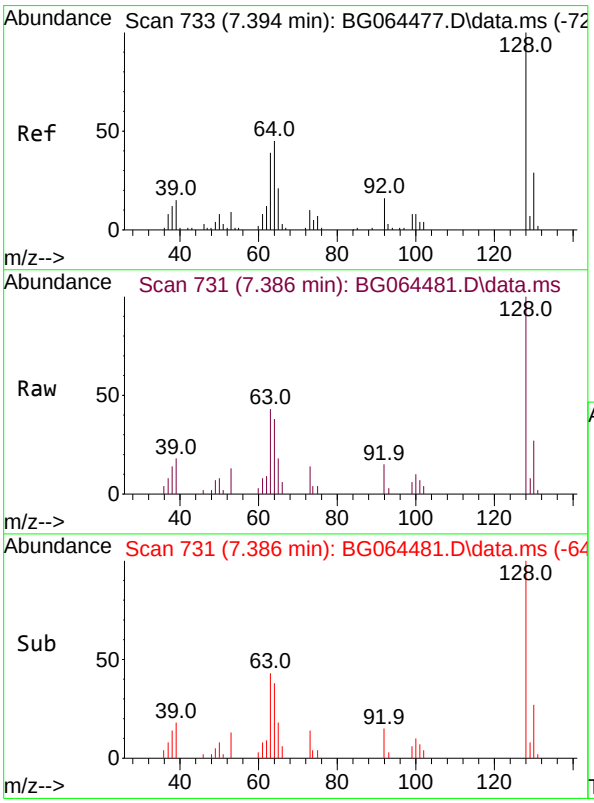
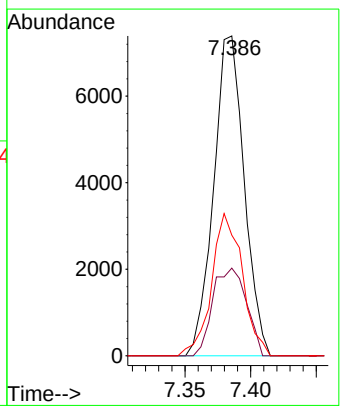
Supervised By :Jagrut Upadhyay 10/03/2025

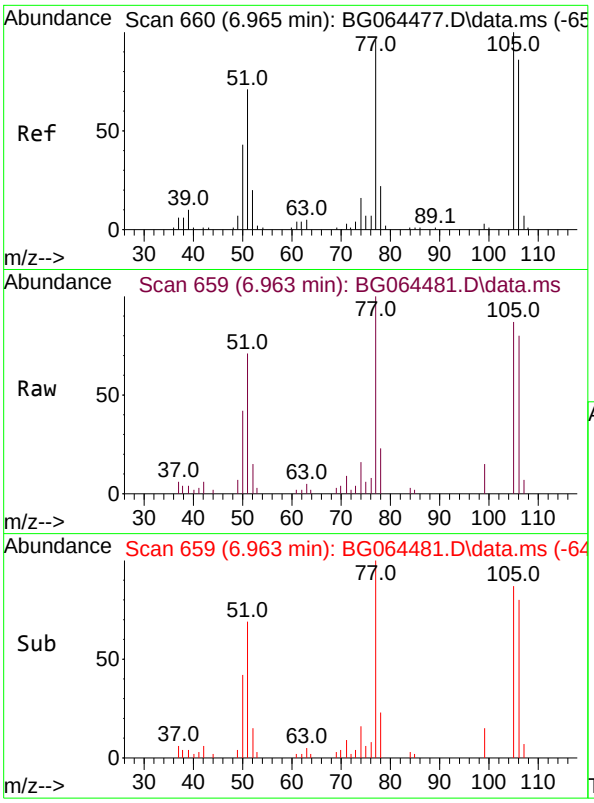


#8
2-Chlorophenol
Concen: 9.524 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:128 Resp: 11988

Ion	Ratio	Lower	Upper
128	100		
130	27.4	9.2	49.2
64	37.7	25.5	65.5

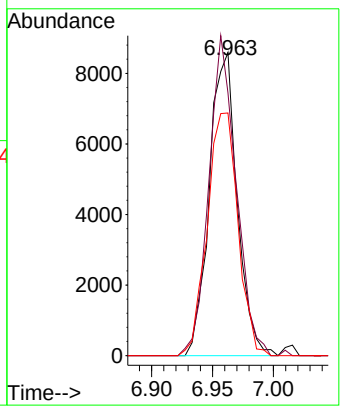




#9
Benzaldehyde
Concen: 11.149 ng
RT: 6.963 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 77 Resp: 1363

Ion	Ratio	Lower	Upper
77	100		
105	86.7	83.7	123.7
106	80.0	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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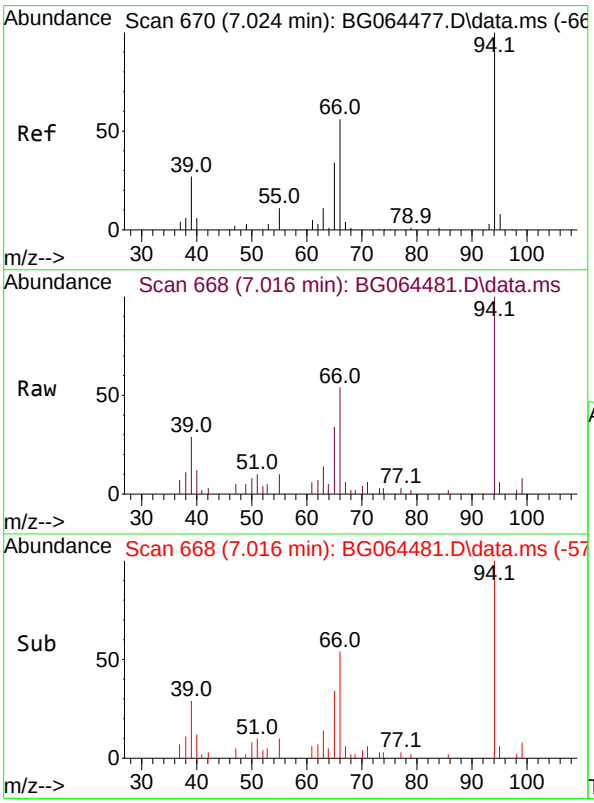
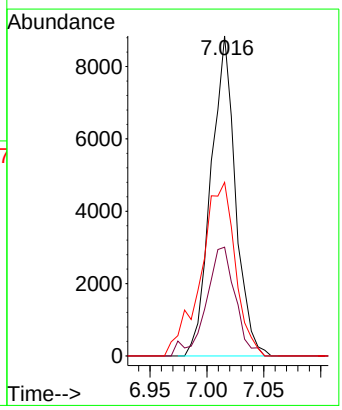
Supervised By :Jagrut Upadhyay 10/03/2025

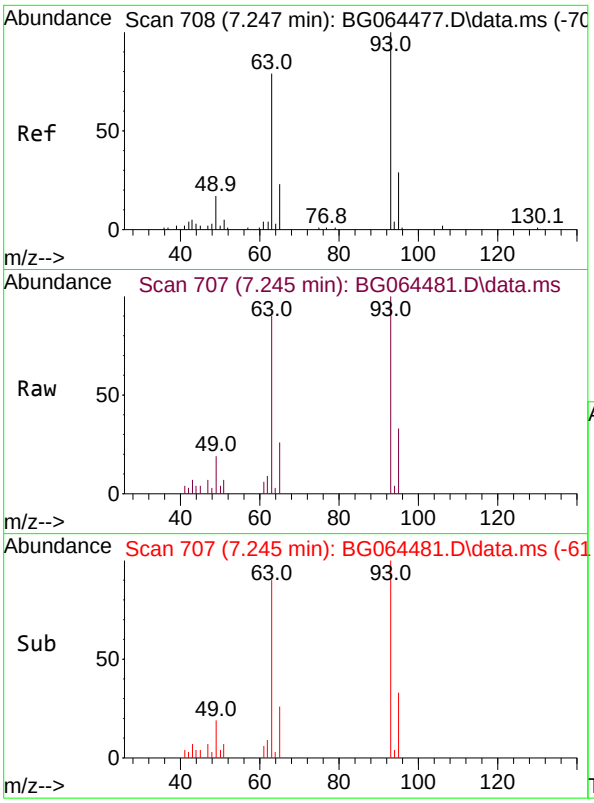


#10
Phenol
Concen: 9.120 ng
RT: 7.016 min Scan# 668
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

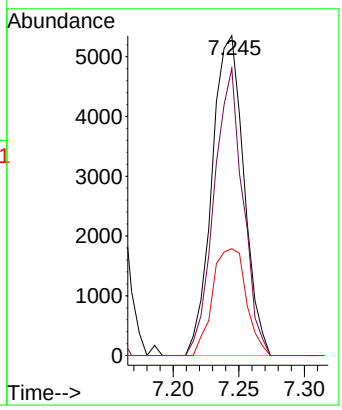




#11
bis(2-Chloroethyl)ether
Concen: 9.186 ng
RT: 7.245 min Scan# 70
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 93 Resp: 904

Ion	Ratio	Lower	Upper
93	100		
63	89.8	59.5	99.5
95	33.4	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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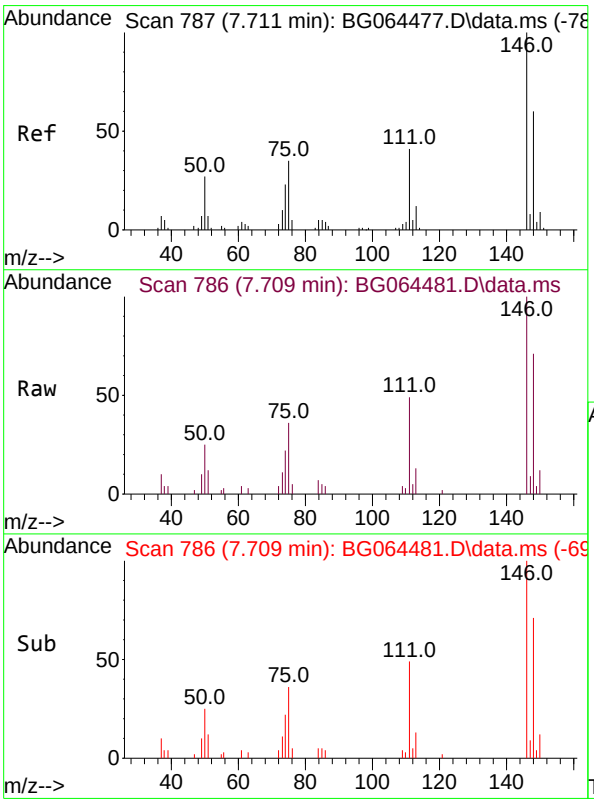
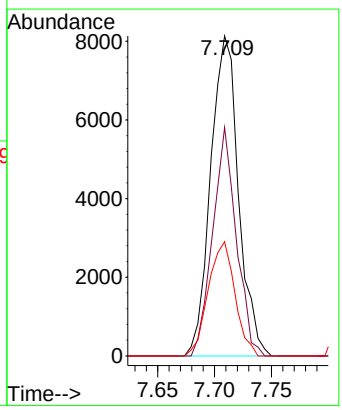
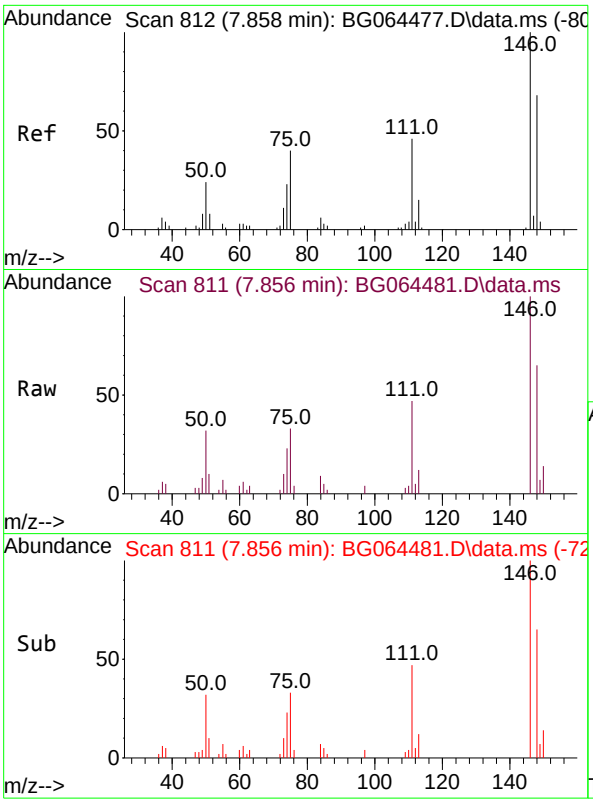


#12
1,3-Dichlorobenzene
Concen: 10.054 ng
RT: 7.709 min Scan# 786
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

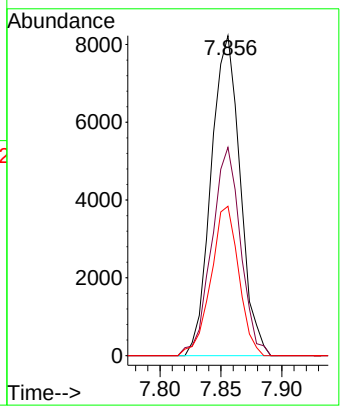




#13
1,4-Dichlorobenzene
Concen: 9.847 ng
RT: 7.856 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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



Instrument :
BNA_G
ClientSampleId :
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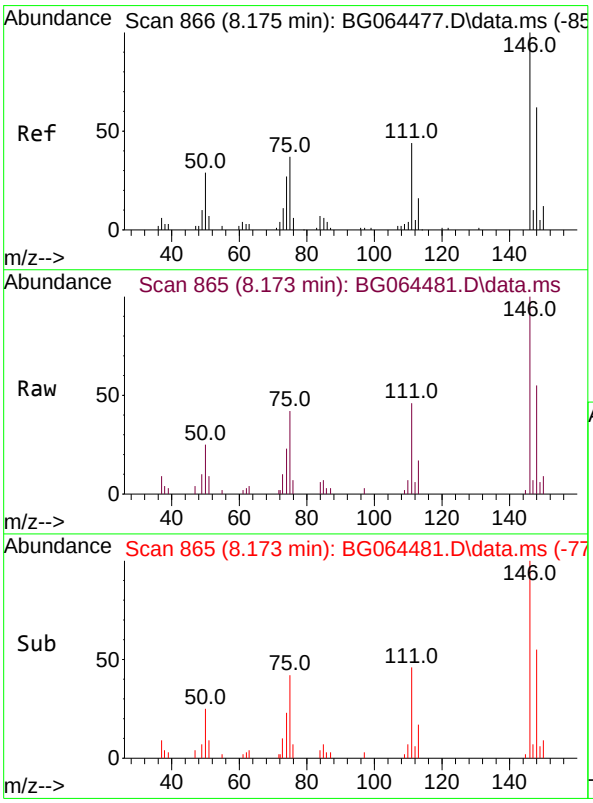
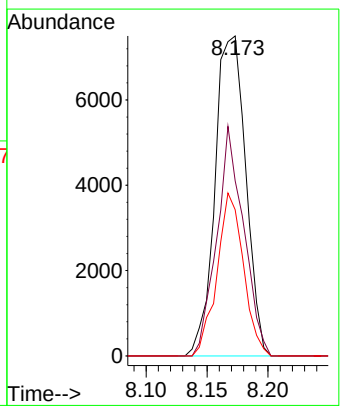
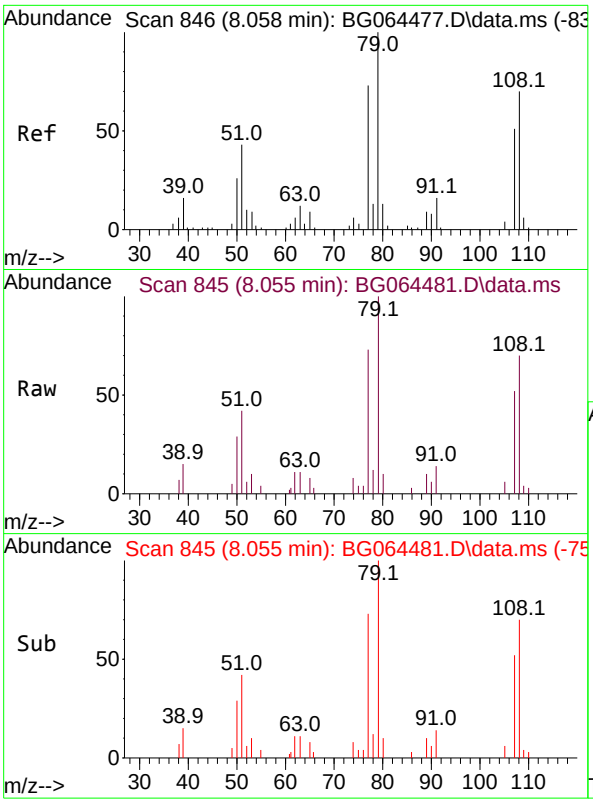


#14
1,2-Dichlorobenzene
Concen: 9.674 ng
RT: 8.173 min Scan# 865
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

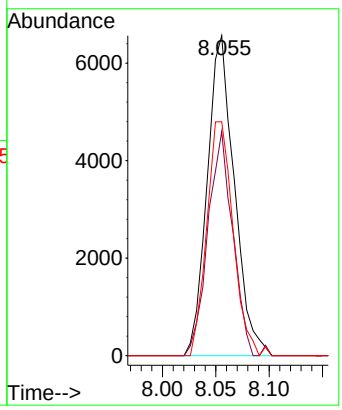




#15
Benzyl Alcohol
Concen: 9.151 ng
RT: 8.055 min Scan# 84
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 79 Resp: 1160

Ion	Ratio	Lower	Upper
79	100		
108	70.0	56.4	84.6
77	73.1	58.3	87.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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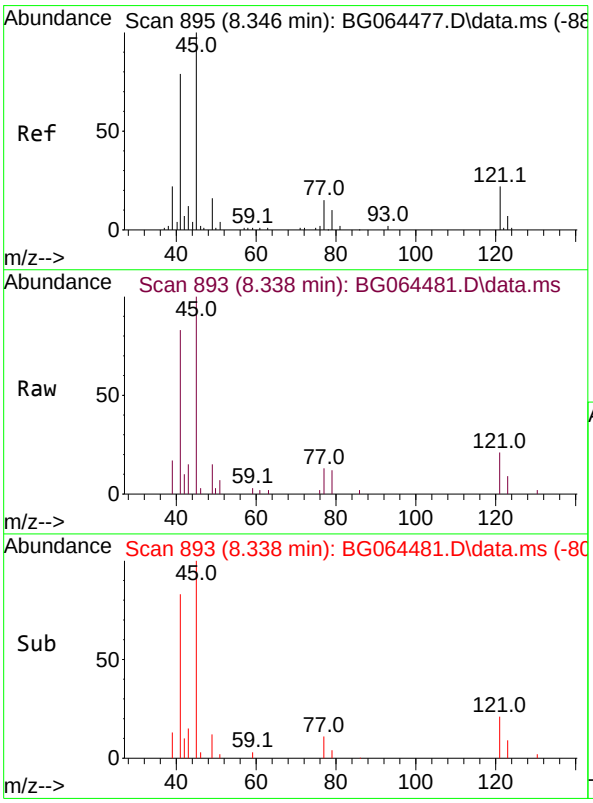
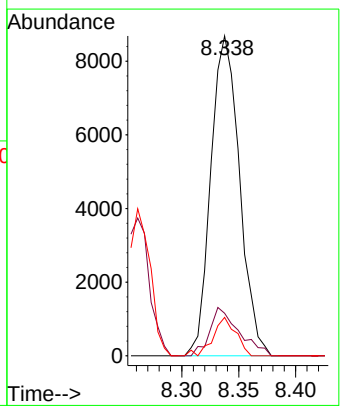
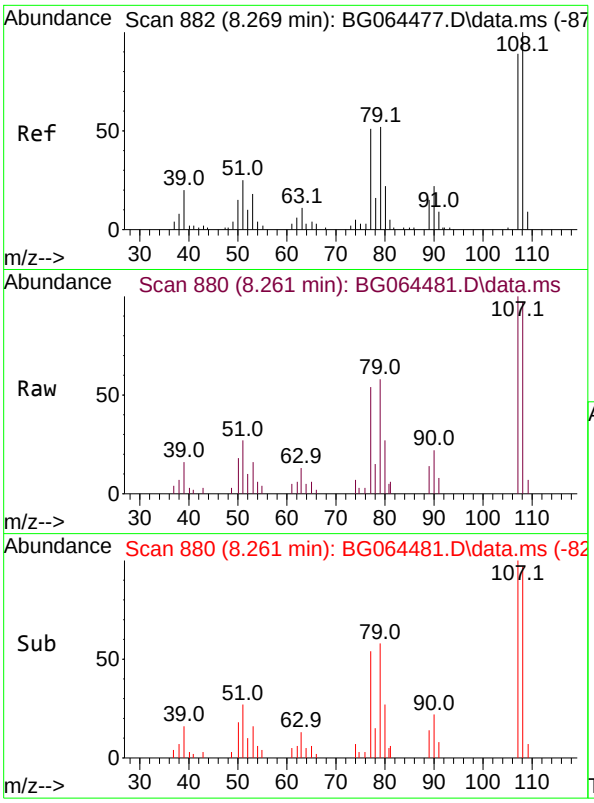


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.625 ng
RT: 8.338 min Scan# 893
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

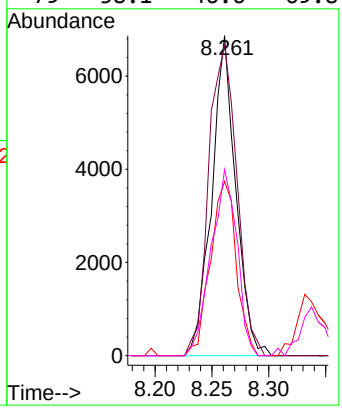




#17
2-Methylphenol
Concen: 9.584 ng
RT: 8.261 min Scan# 88
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:107 Resp: 1008

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



Instrument :
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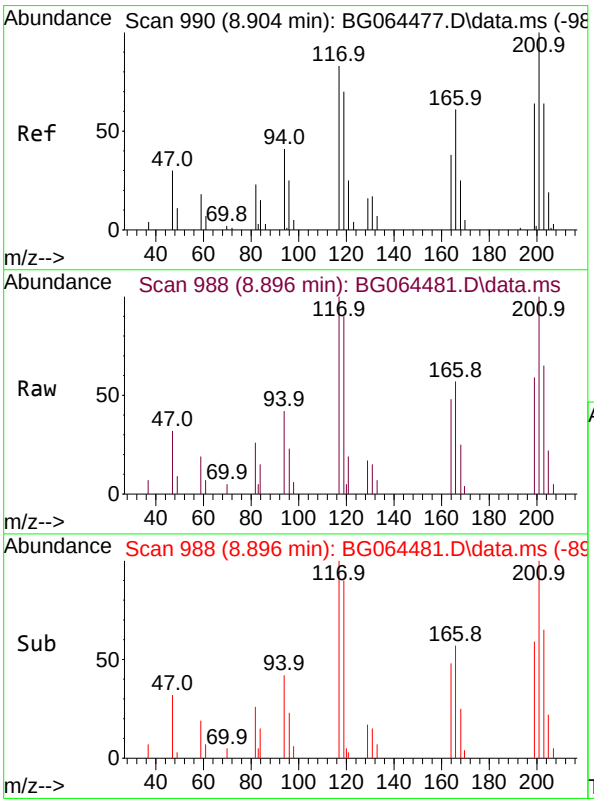
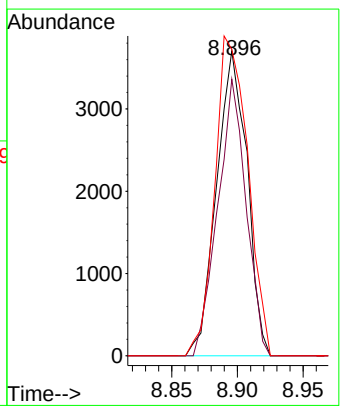
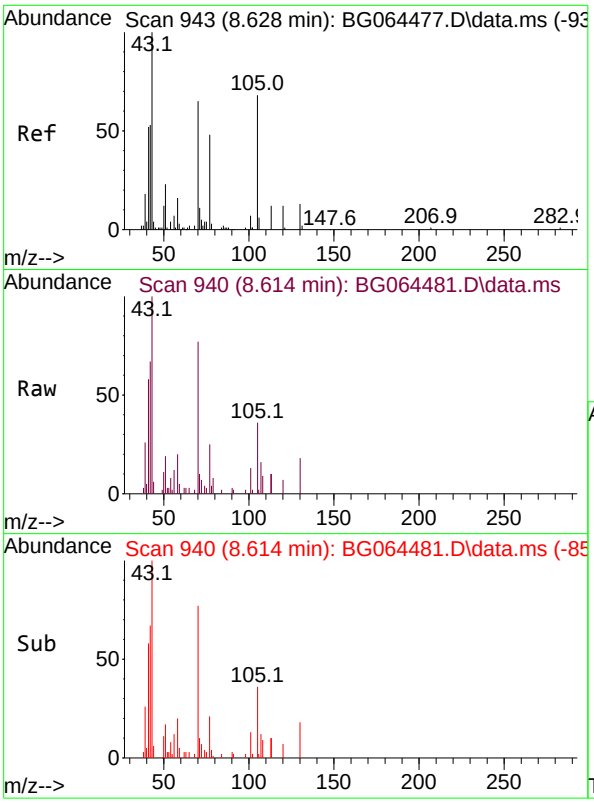


#18
Hexachloroethane
Concen: 10.956 ng
RT: 8.896 min Scan# 988
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

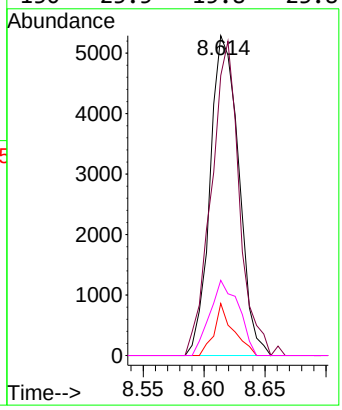




#19
n-Nitroso-di-n-propylamine
Concen: 9.398 ng
RT: 8.614 min Scan# 94
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 70 Resp: 865

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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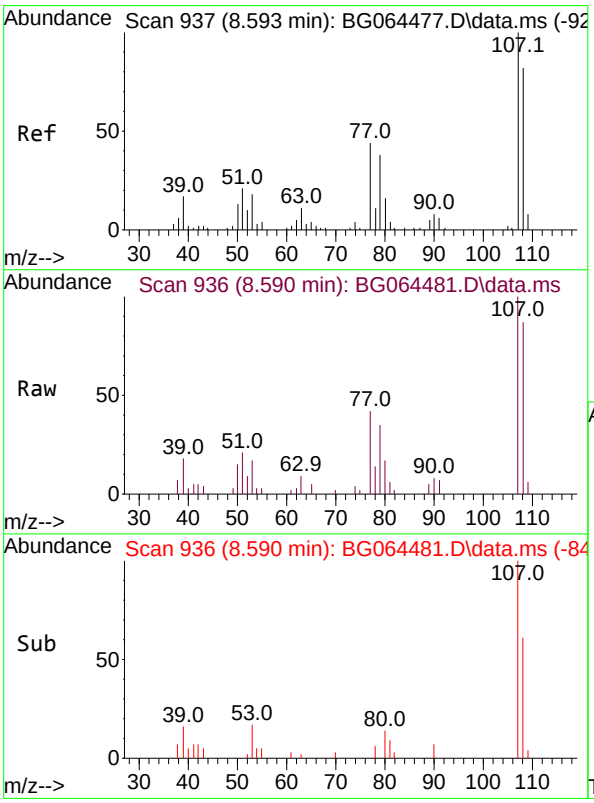
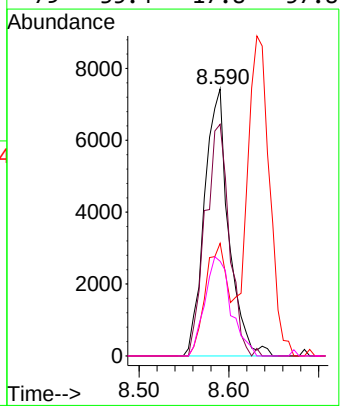
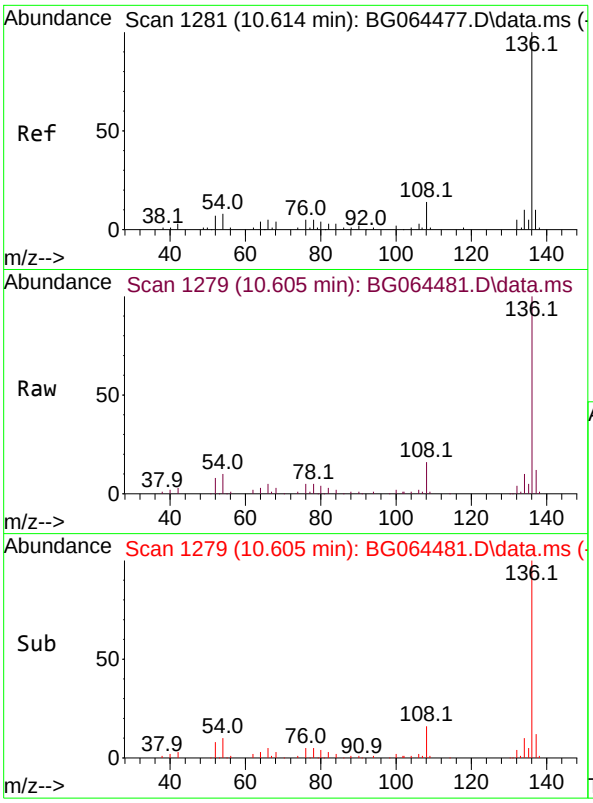


#20
3+4-Methylphenols
Concen: 9.508 ng
RT: 8.590 min Scan# 936
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

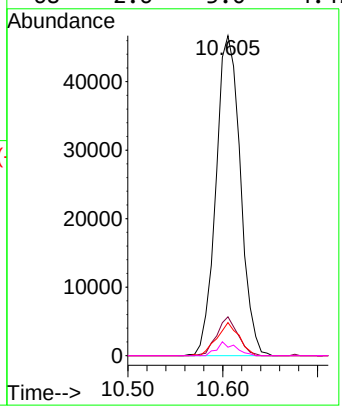




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:136 Resp: 8340

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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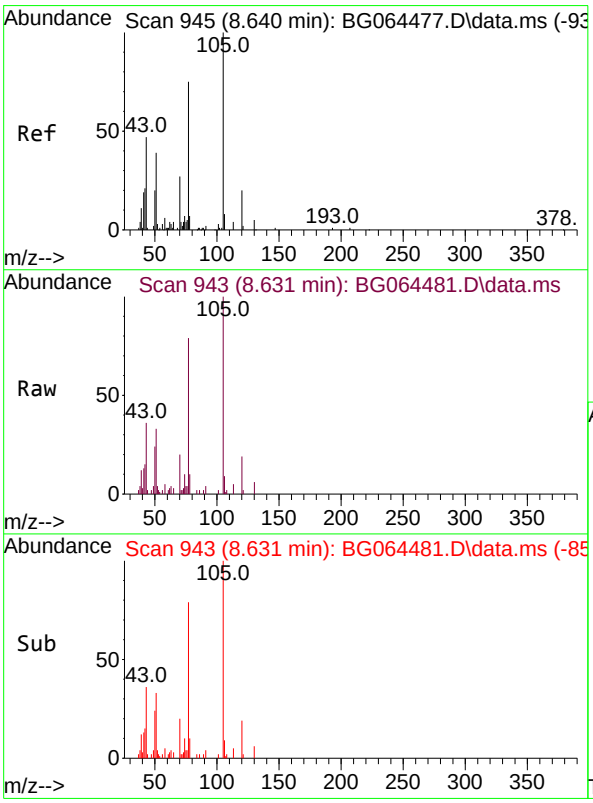
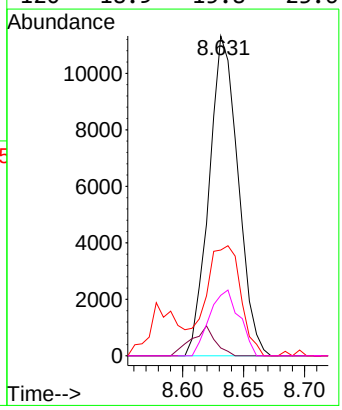
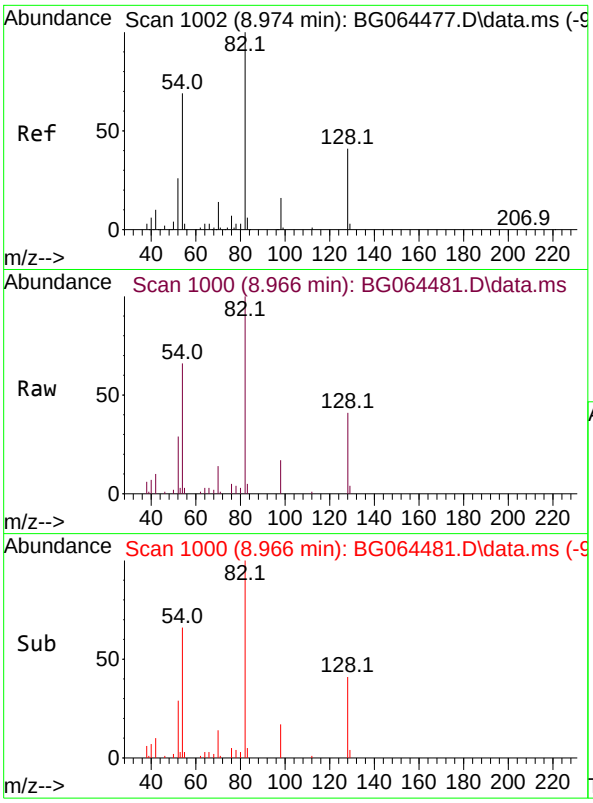


#22
Acetophenone
Concen: 9.286 ng
RT: 8.631 min Scan# 943
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

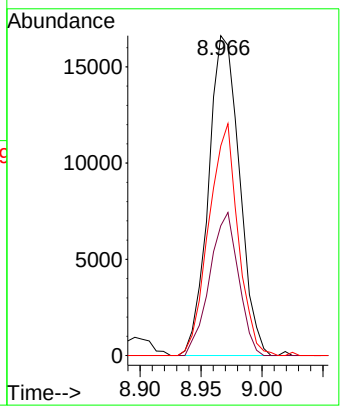




#23
Nitrobenzene-d5
Concen: 18.926 ng
RT: 8.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 82 Resp: 2935

Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.1	49.7
54	65.5	55.4	83.2



Instrument :
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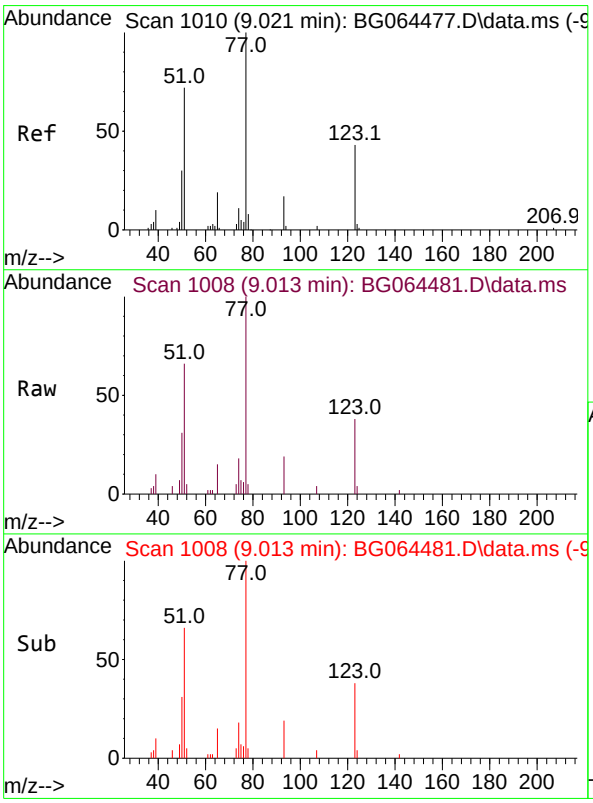
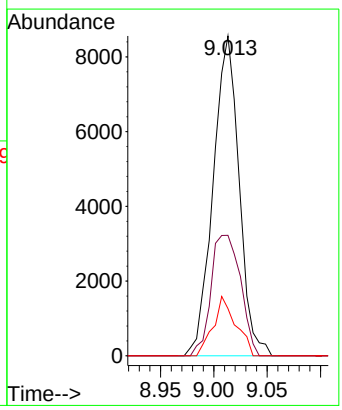
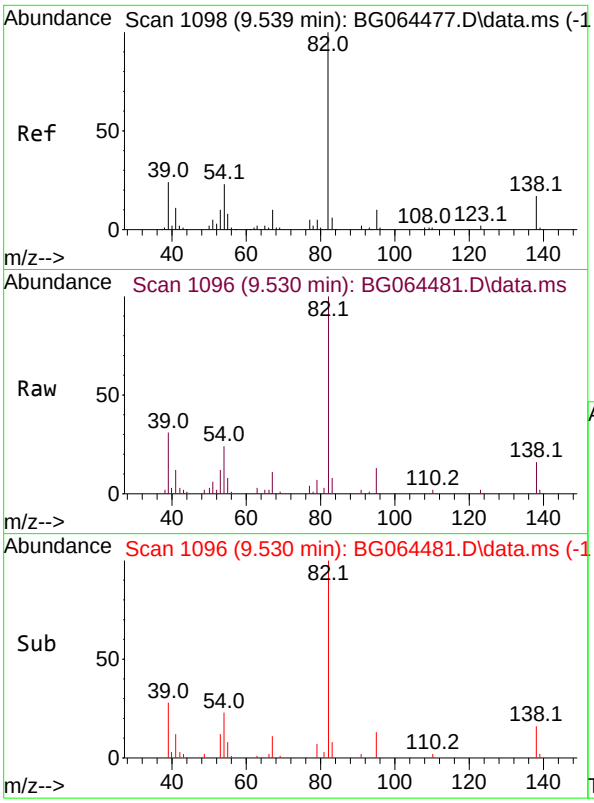


#24
Nitrobenzene
Concen: 9.386 ng
RT: 9.013 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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#

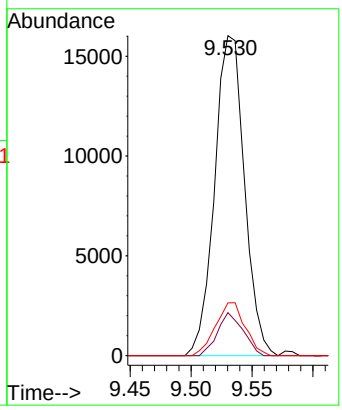




#25
Isophorone
Concen: 9.712 ng
RT: 9.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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



Instrument :
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ClientSampleId :
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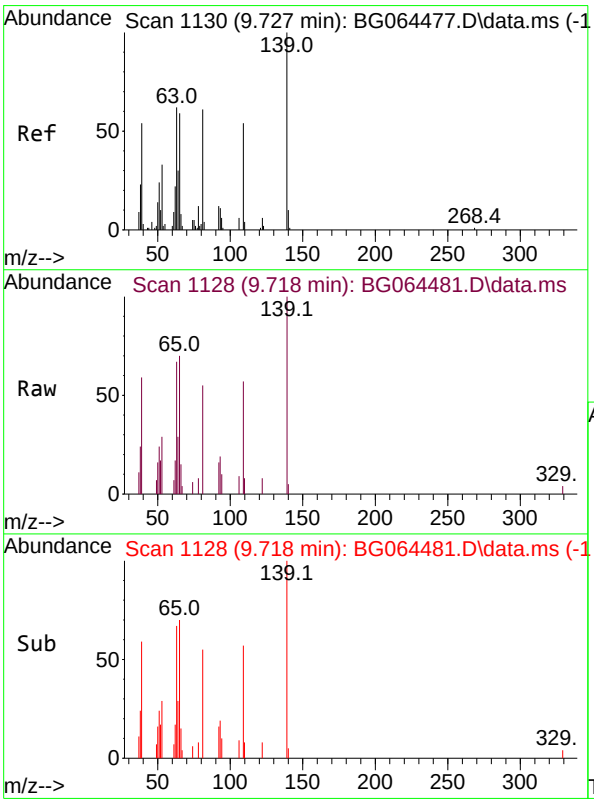
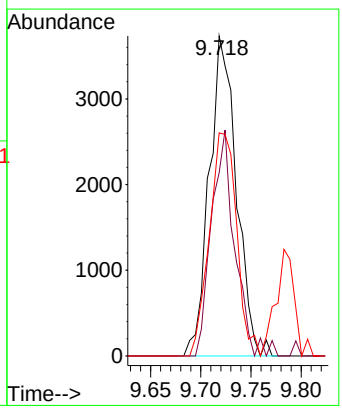
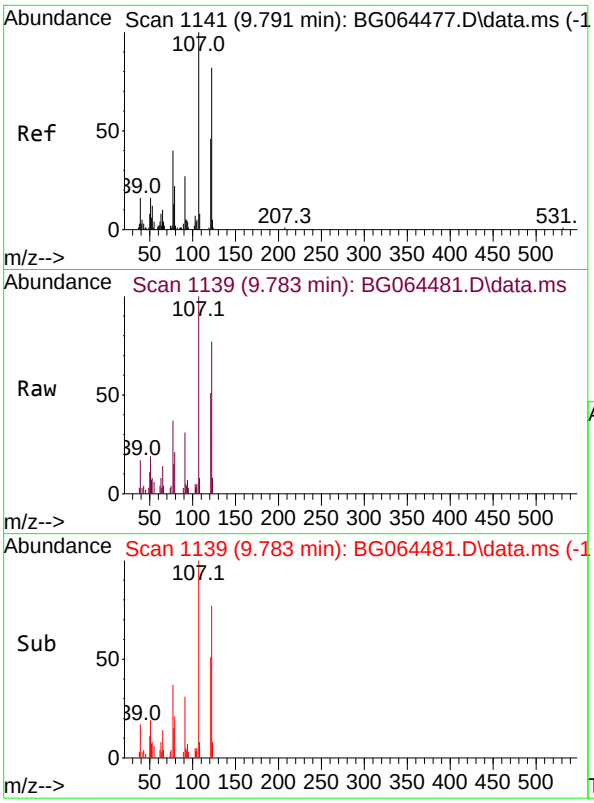


#26
2-Nitrophenol
Concen: 9.130 ng
RT: 9.718 min Scan# 1128
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

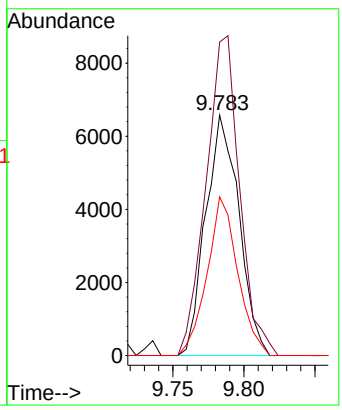




#27
2,4-Dimethylphenol
Concen: 9.122 ng
RT: 9.783 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:122 Resp: 1072

Ion	Ratio	Lower	Upper
122	100		
107	130.3	98.3	147.5
121	66.0	44.7	67.1



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ClientSampleId :
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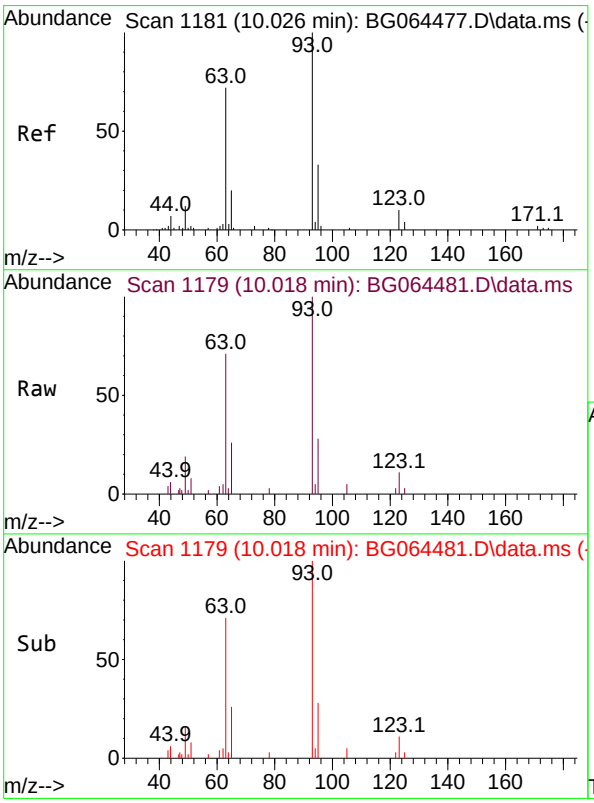
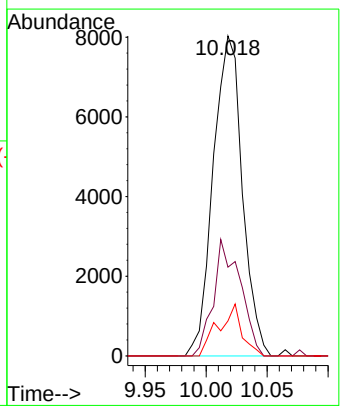
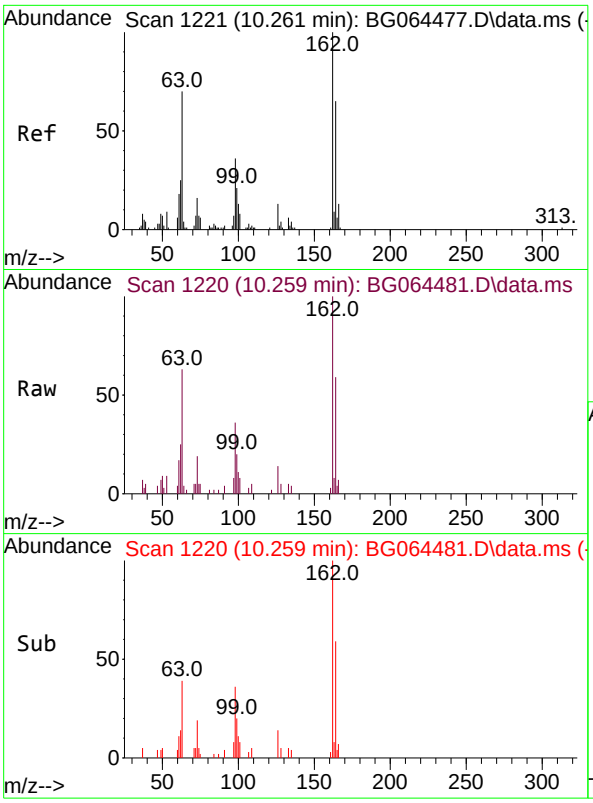


#28
bis(2-Chloroethoxy)methane
Concen: 9.323 ng
RT: 10.018 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

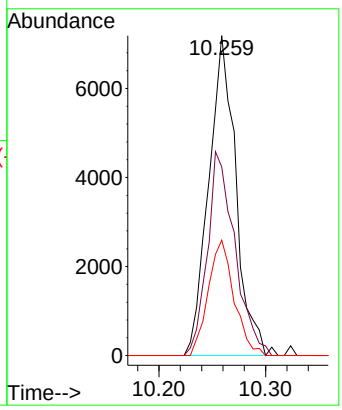




#29
2,4-Dichlorophenol
Concen: 9.349 ng
RT: 10.259 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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



Instrument :
BNA_G
ClientSampleId :
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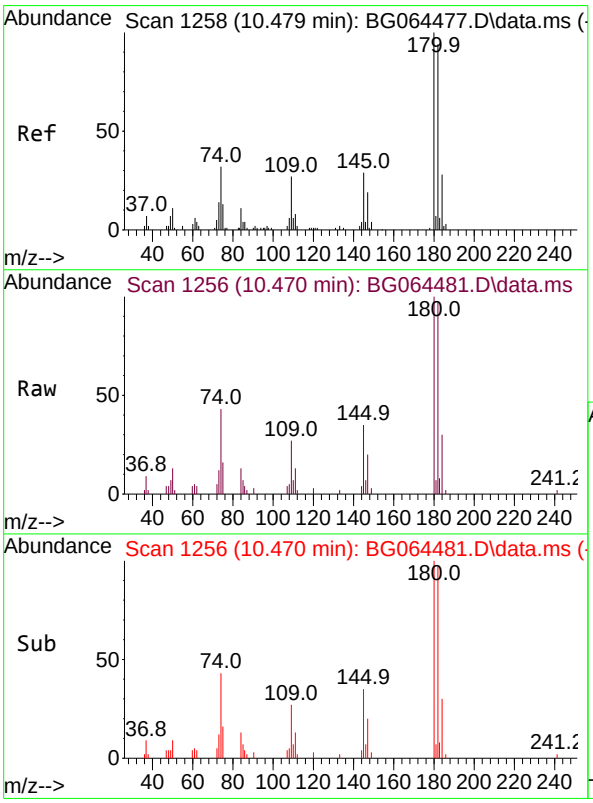
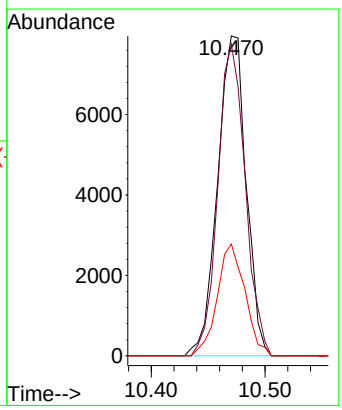
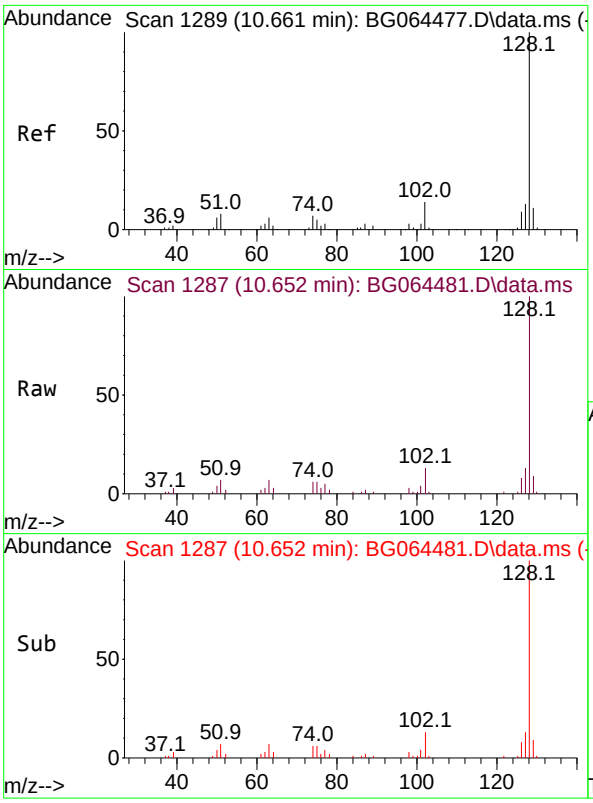


#30
1,2,4-Trichlorobenzene
Concen: 9.366 ng
RT: 10.470 min Scan# 1256
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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#

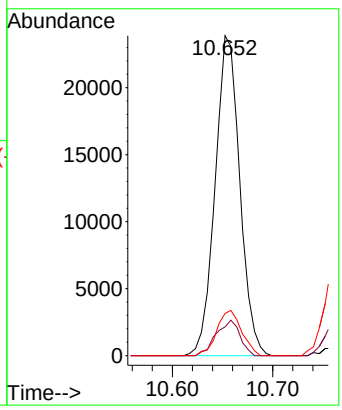




#31
Naphthalene
Concen: 9.512 ng
RT: 10.652 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:128 Resp: 4085

Ion	Ratio	Lower	Upper
128	100		
129	9.0	8.7	13.1
127	13.2	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
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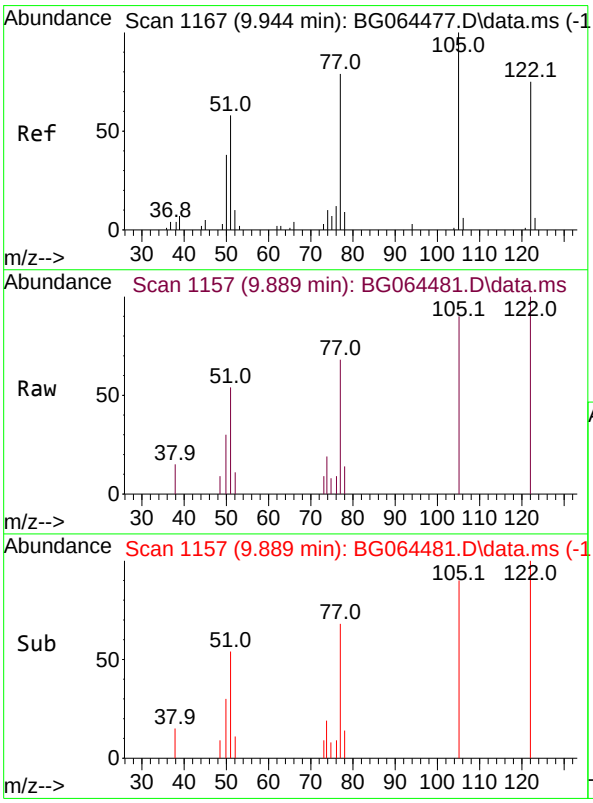
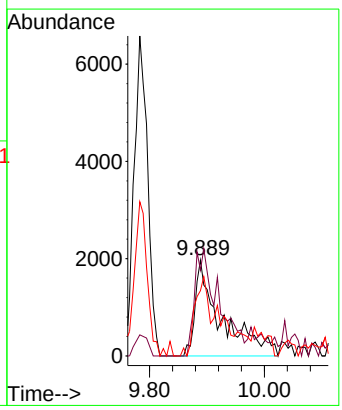
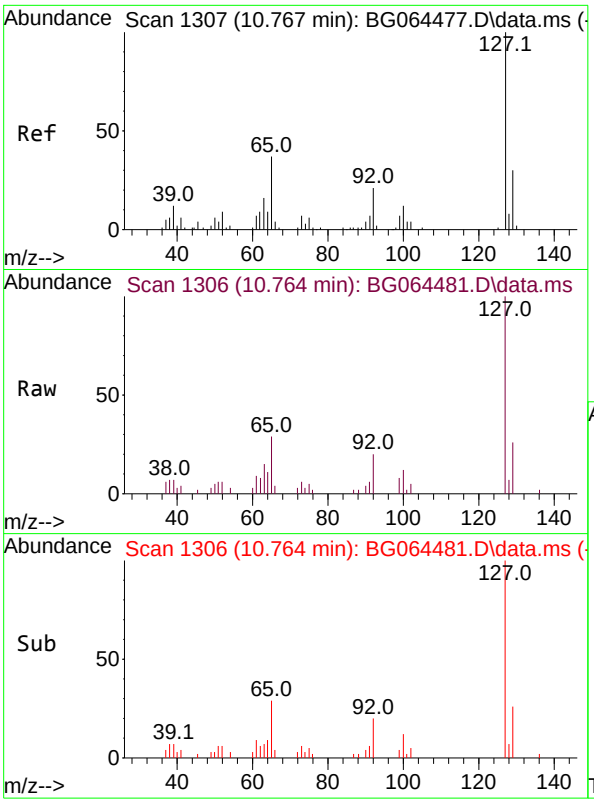


#32
Benzoic acid
Concen: 6.894 ng m
RT: 9.889 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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#

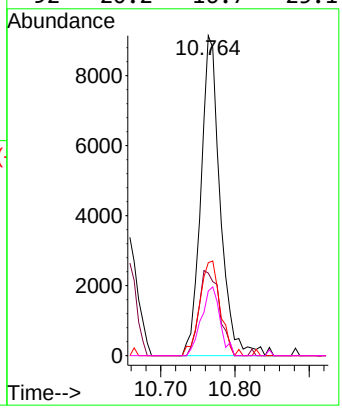




#33
4-Chloroaniline
Concen: 10.065 ng
RT: 10.764 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:127 Resp: 1658

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



Instrument :
BNA_G
ClientSampleId :
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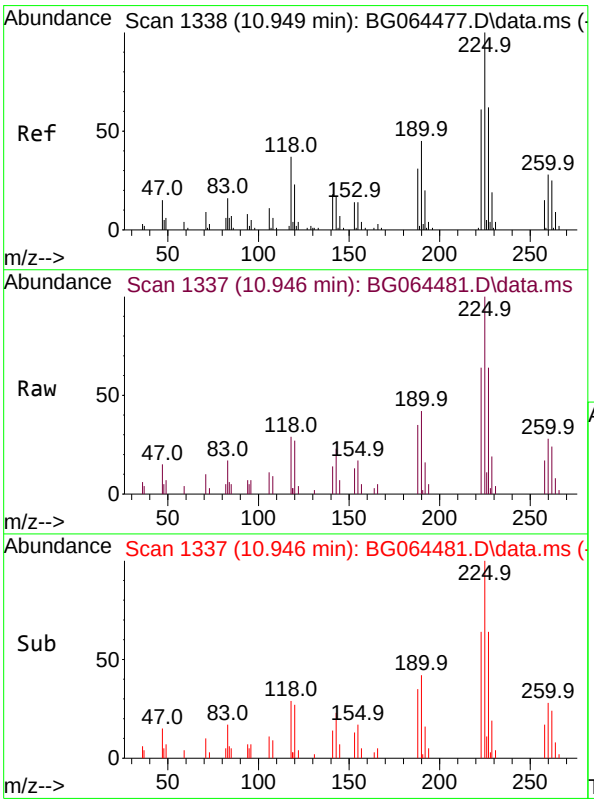
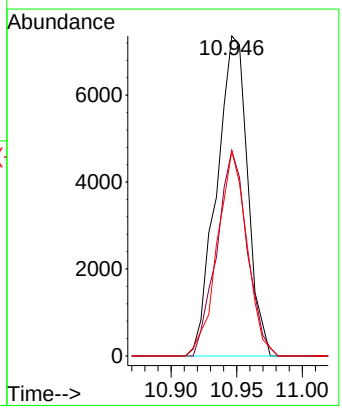
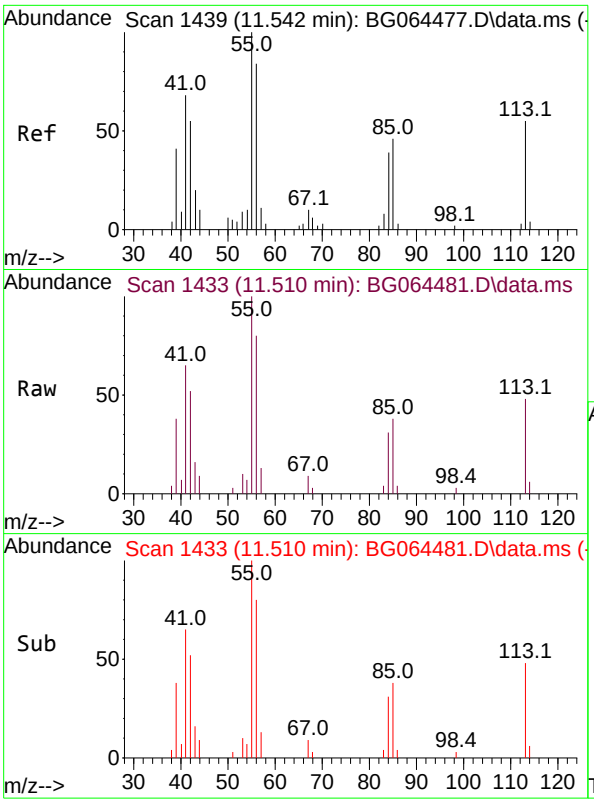


#34
Hexachlorobutadiene
Concen: 9.503 ng
RT: 10.946 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

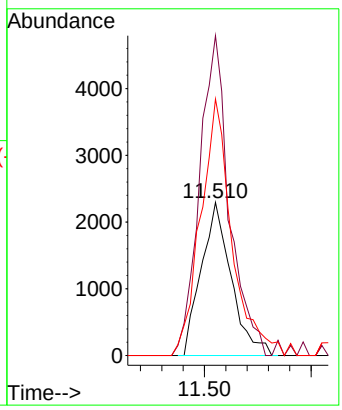




#35
Caprolactam
Concen: 9.648 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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



Instrument :
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ClientSampleId :
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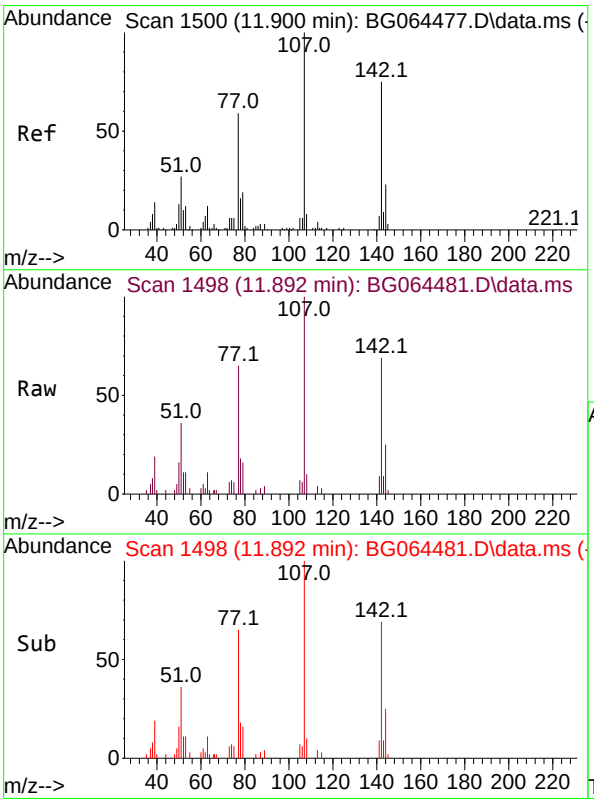
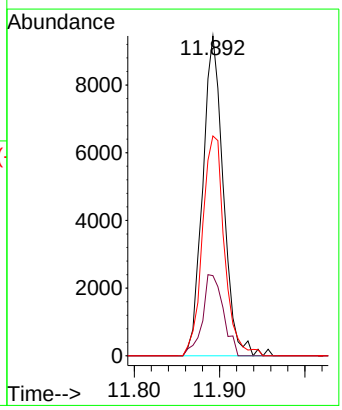
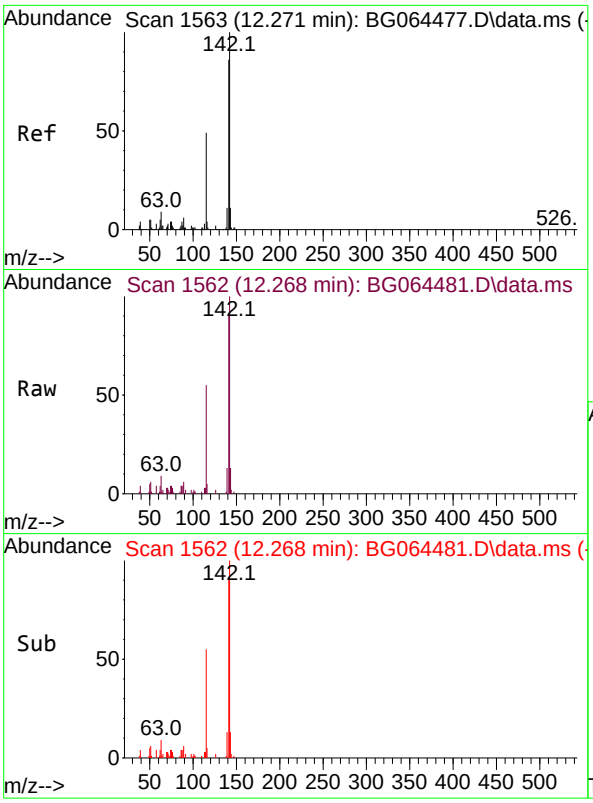


#36
4-Chloro-3-methylphenol
Concen: 9.597 ng
RT: 11.892 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

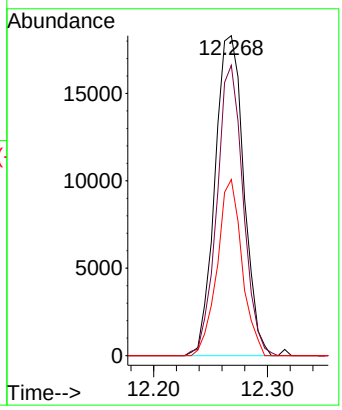




#37
2-Methylnaphthalene
Concen: 9.749 ng
RT: 12.268 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:142 Resp: 3214

Ion	Ratio	Lower	Upper
142	100		
141	90.7	68.7	103.1
115	55.0	39.3	58.9



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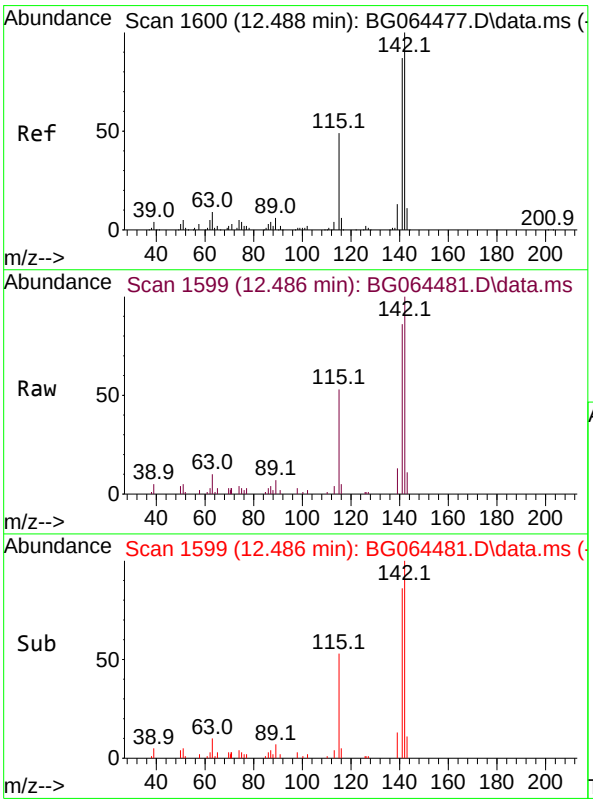
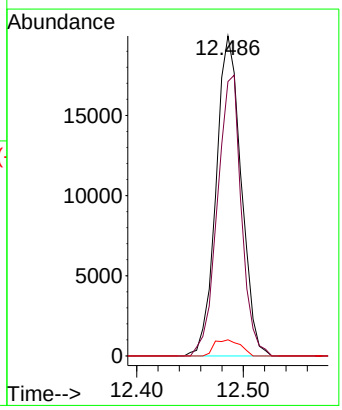
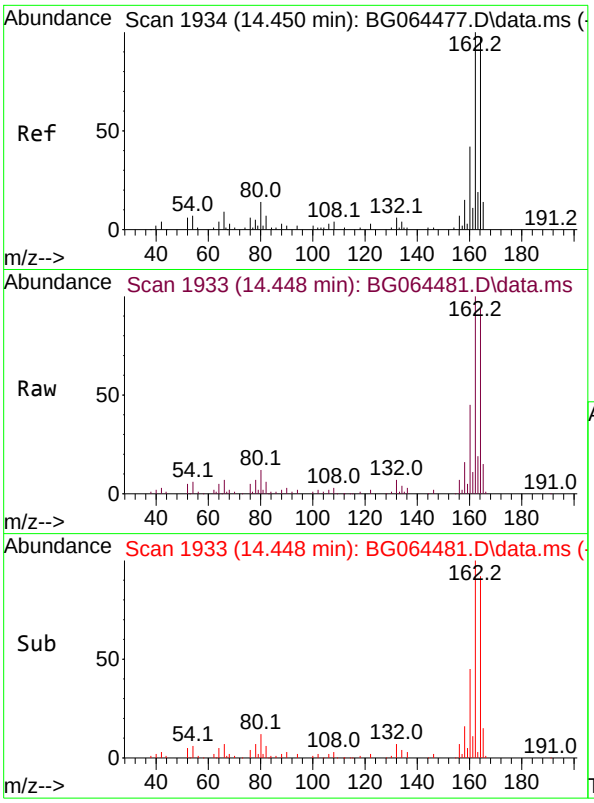


#38
1-Methylnaphthalene
Concen: 9.921 ng
RT: 12.486 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:142 Resp: 32614

Ion	Ratio	Lower	Upper
142	100		
141	85.7	69.8	104.8
116	5.1	4.6	6.8

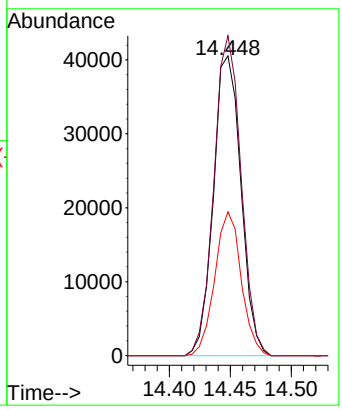




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.448 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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



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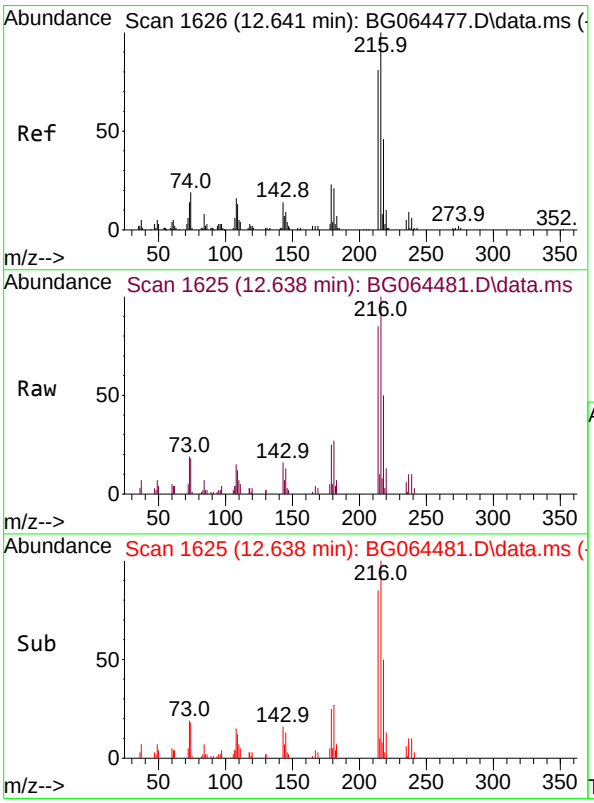
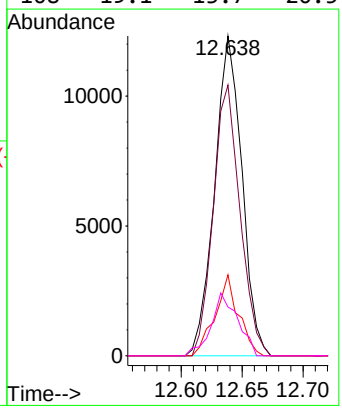
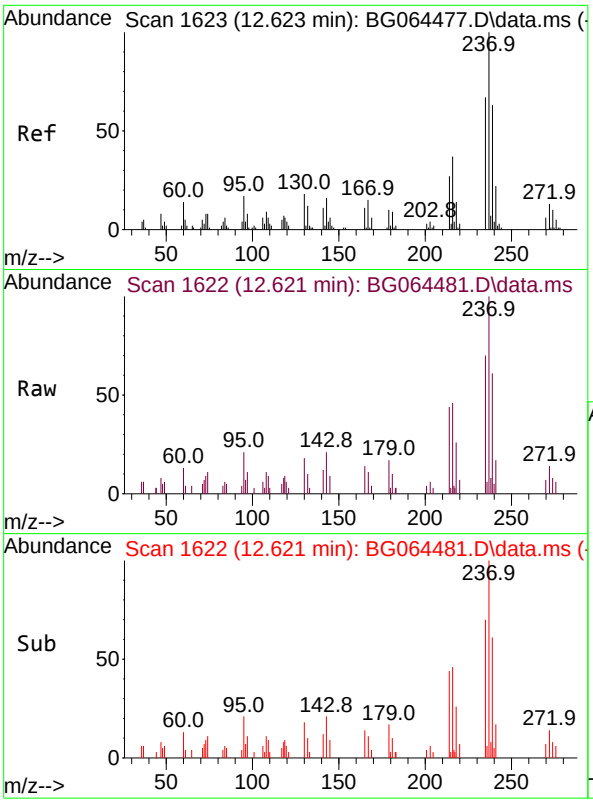


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.354 ng
RT: 12.638 min Scan# 1625
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

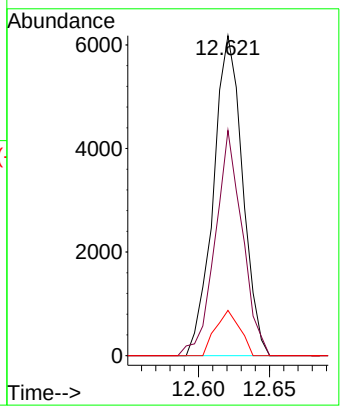




#41
Hexachlorocyclopentadiene
Concen: 8.249 ng
RT: 12.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:237 Resp: 884

Ion	Ratio	Lower	Upper
237	100		
235	70.4	46.9	86.9
272	14.1	0.0	32.6



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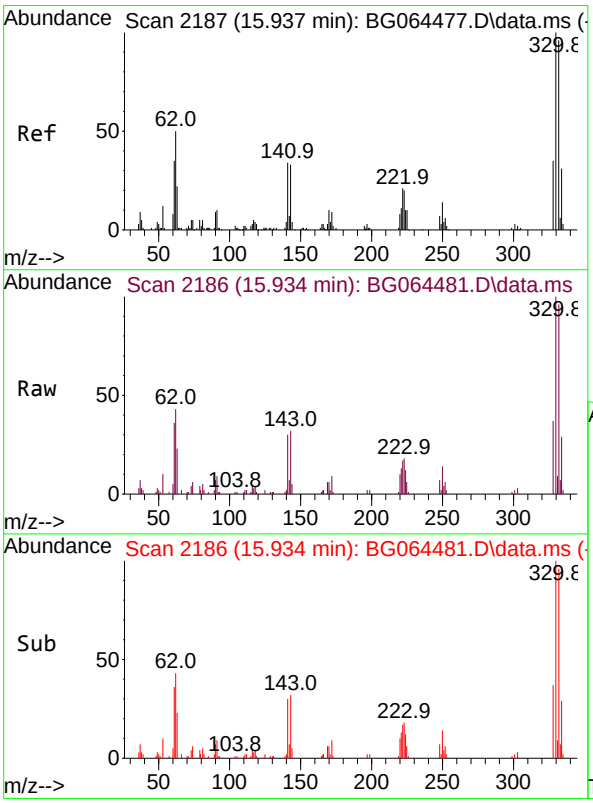
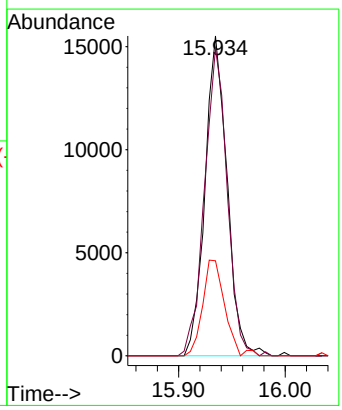
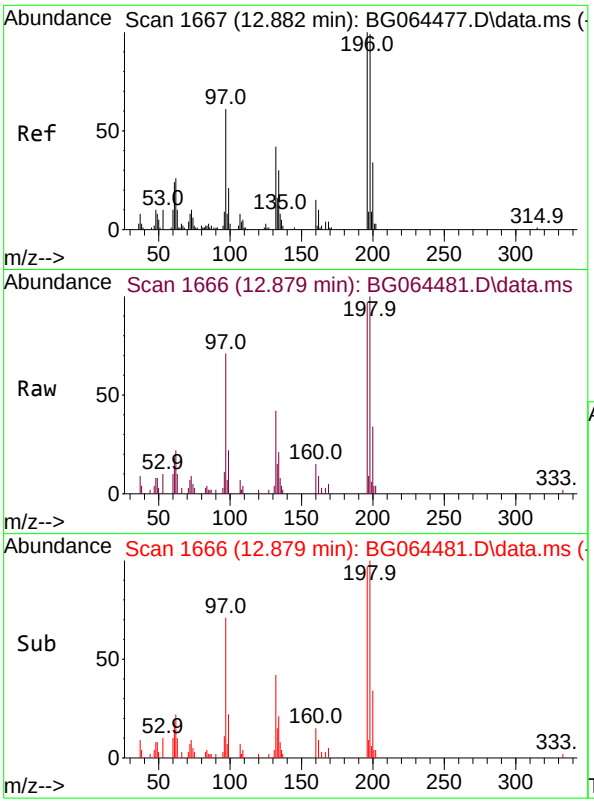


#42
2,4,6-Tribromophenol
Concen: 19.423 ng
RT: 15.934 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

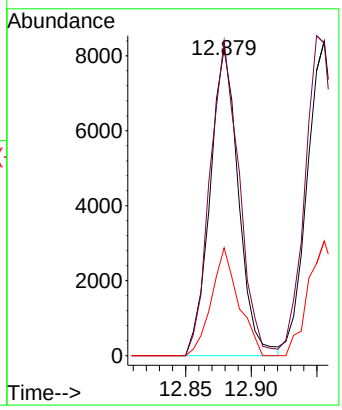




#43
2,4,6-Trichlorophenol
Concen: 9.457 ng
RT: 12.879 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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



Instrument :
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ClientSampleId :
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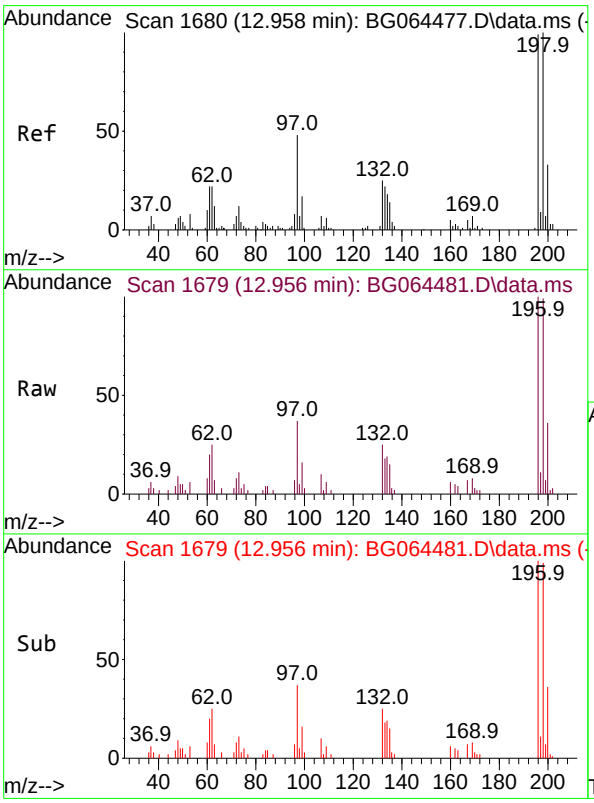
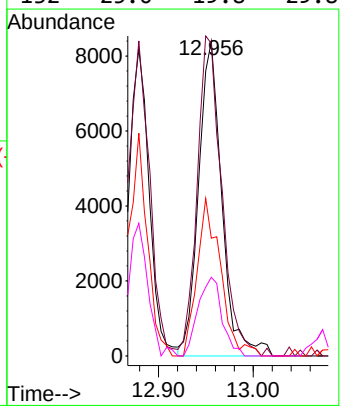
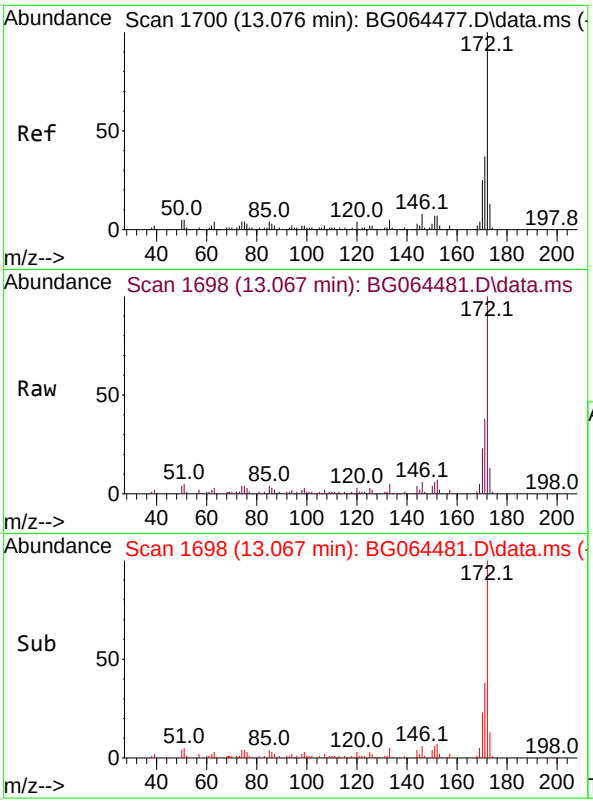


#44
2,4,5-Trichlorophenol
Concen: 9.806 ng
RT: 12.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:172 Resp: 8492

Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.6	44.4
170	22.9	20.2	30.2

Instrument :
BNA_G
ClientSampleId :
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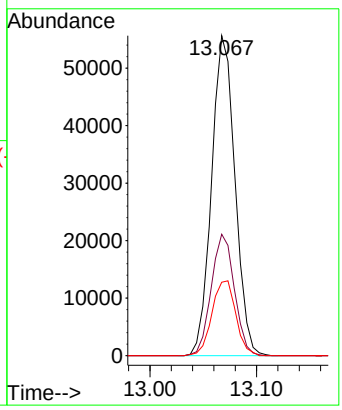
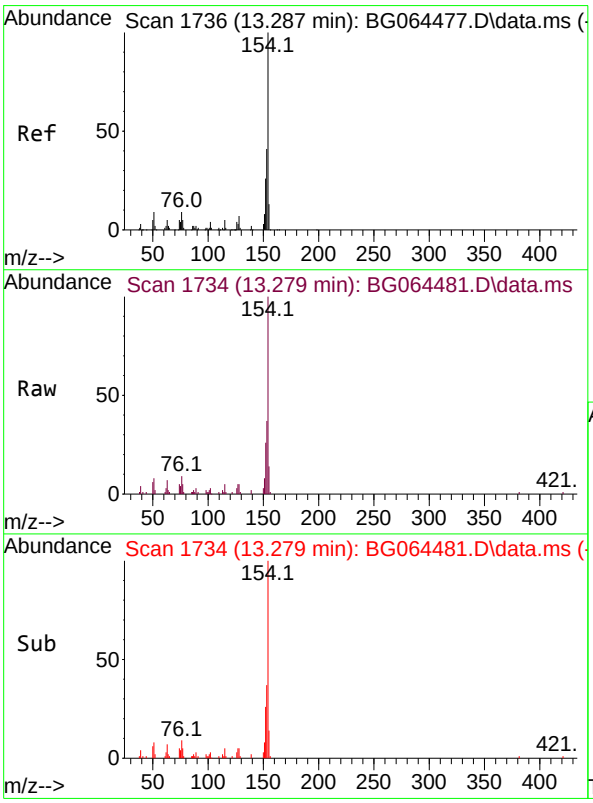
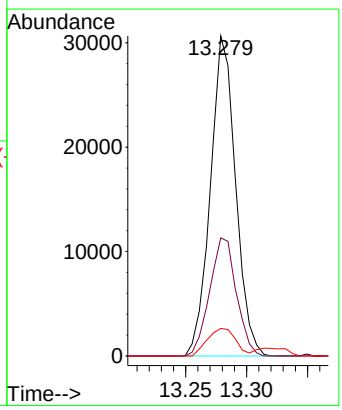


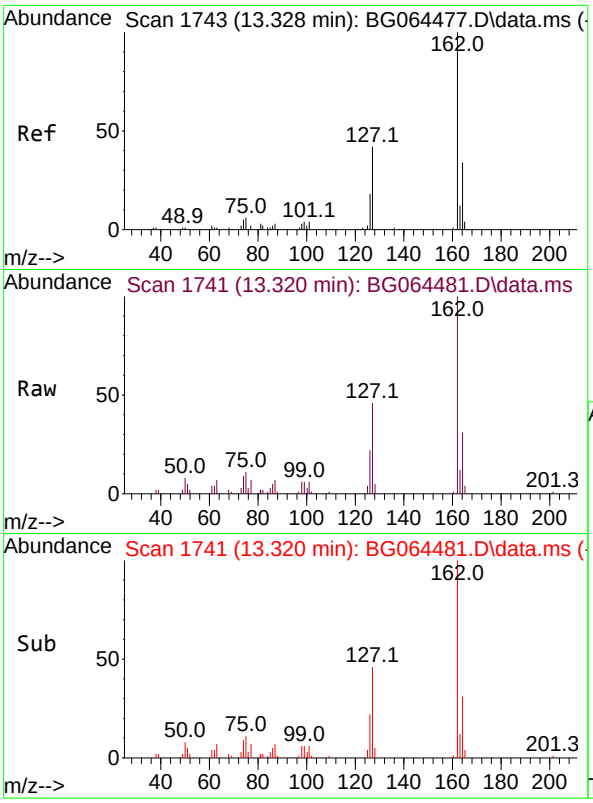


#46
1,1'-Biphenyl
Concen: 9.648 ng
RT: 13.279 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

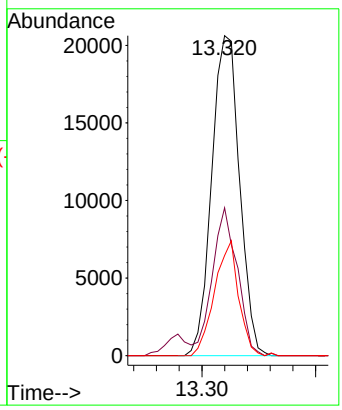




#47
2-Chloronaphthalene
Concen: 10.281 ng
RT: 13.320 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:162 Resp: 3505

Ion	Ratio	Lower	Upper
162	100		
127	46.2	35.8	53.8
164	31.3	27.2	40.8



Instrument :
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ClientSampleId :
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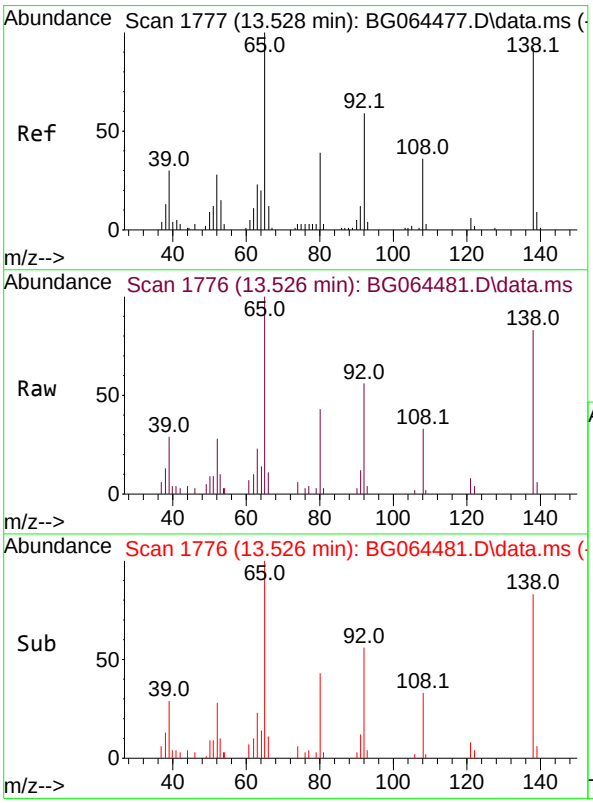
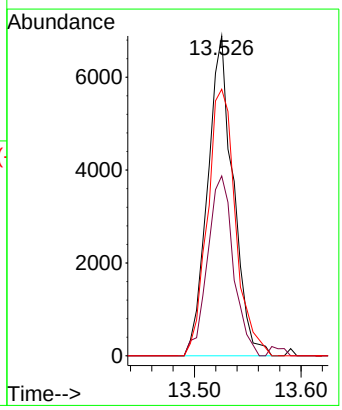
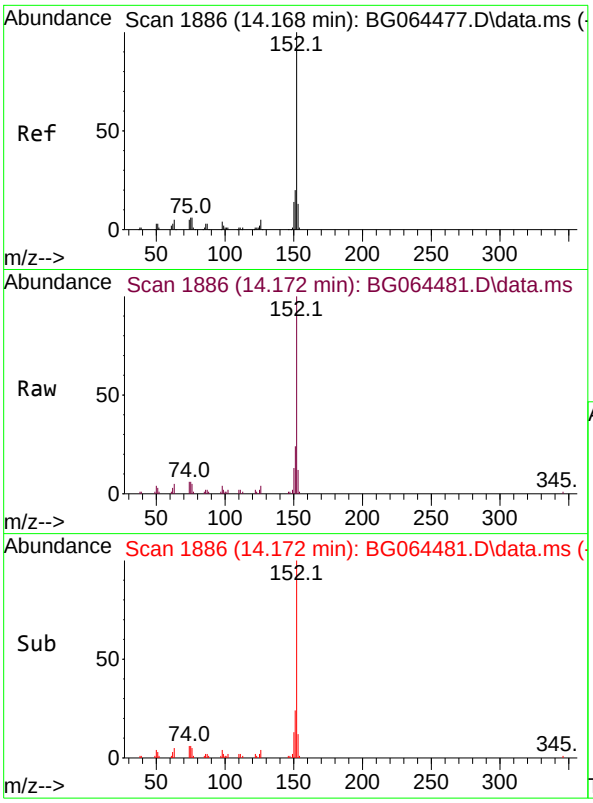


#48
2-Nitroaniline
Concen: 9.868 ng
RT: 13.526 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

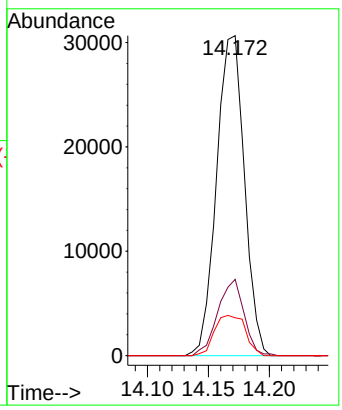




#49
Acenaphthylene
Concen: 9.624 ng
RT: 14.172 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:152 Resp: 4870

Ion	Ratio	Lower	Upper
152	100		
151	23.8	15.8	23.6
153	11.8	10.6	15.8



Instrument :
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ClientSampleId :
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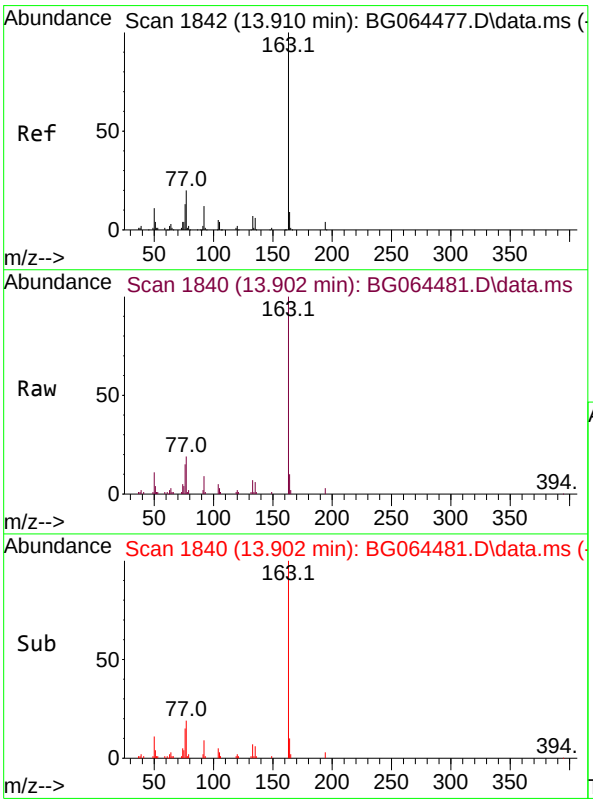
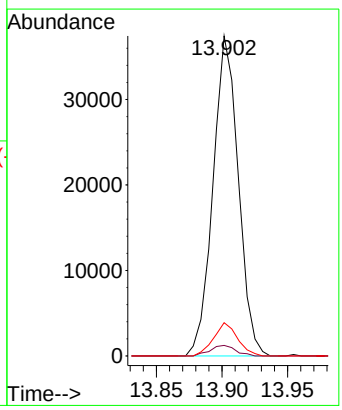
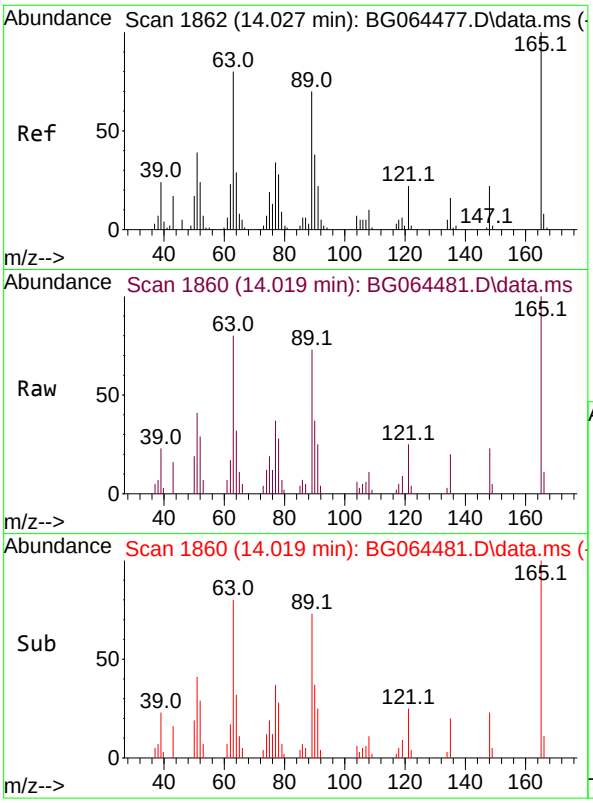


#50
Dimethylphthalate
Concen: 10.110 ng
RT: 13.902 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

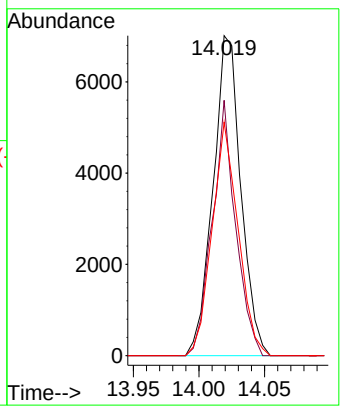




#51
2,6-Dinitrotoluene
Concen: 9.980 ng
RT: 14.019 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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



Instrument :
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ClientSampleId :
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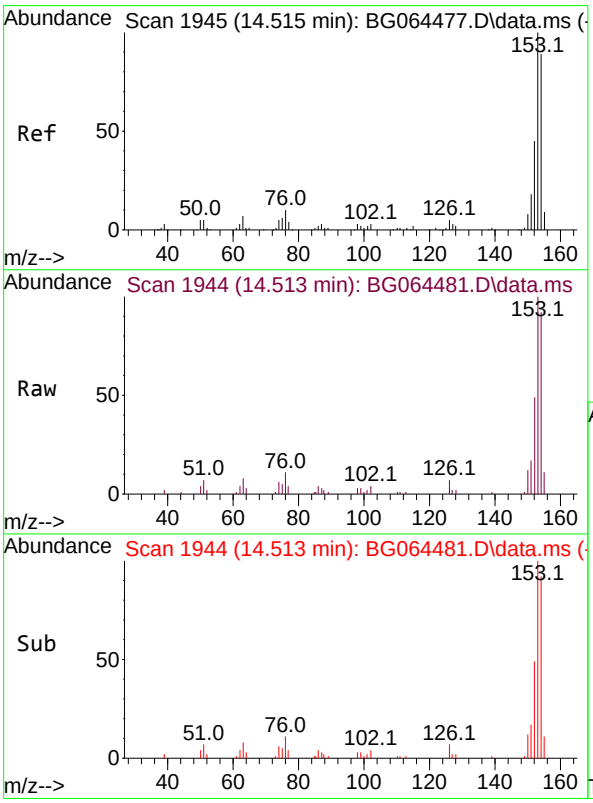
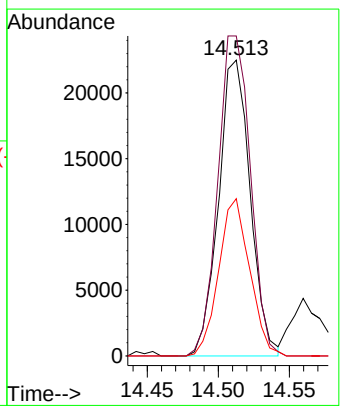
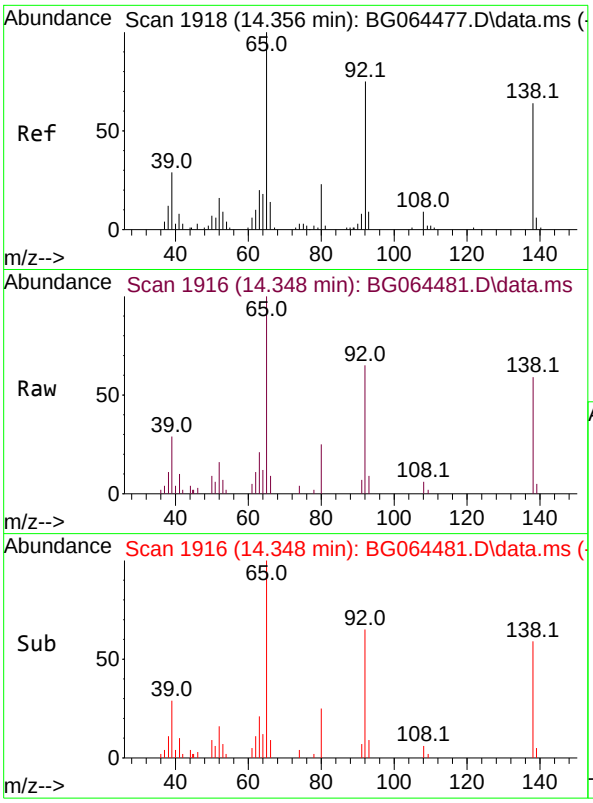


#52
Acenaphthene
Concen: 9.922 ng
RT: 14.513 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

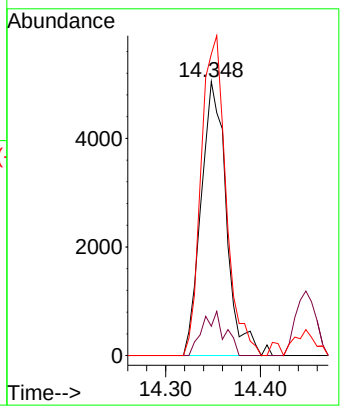




#53
3-Nitroaniline
Concen: 9.780 ng
RT: 14.348 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:138 Resp: 934

Ion	Ratio	Lower	Upper
138	100		
108	10.7	10.6	15.8
92	110.1	93.2	139.8



Instrument :
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ClientSampleId :
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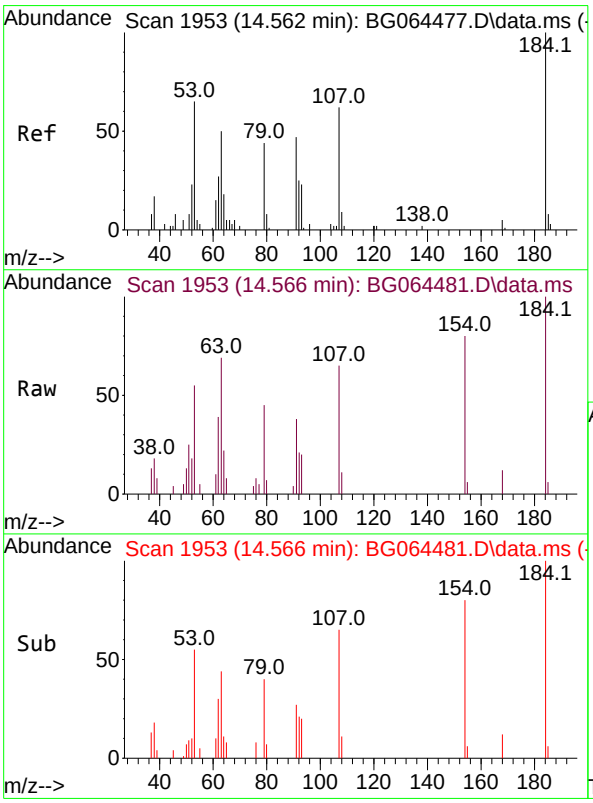
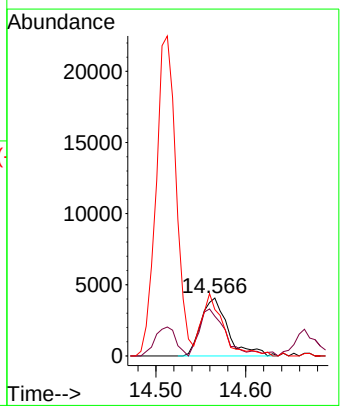
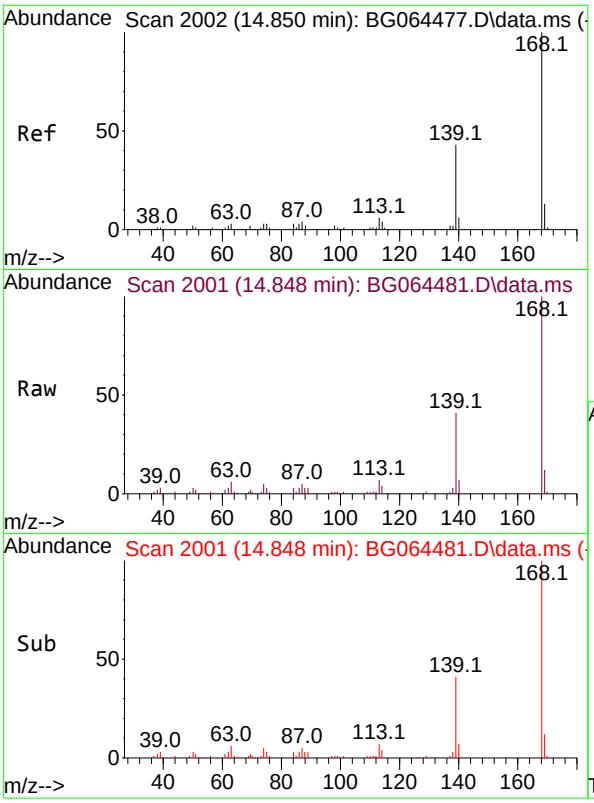


#54
2,4-Dinitrophenol
Concen: 11.216 ng
RT: 14.566 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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#

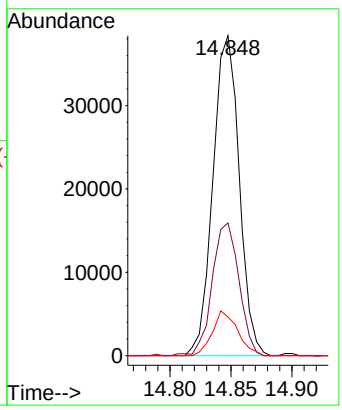




#55
Dibenzofuran
Concen: 9.897 ng
RT: 14.848 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:168 Resp: 5745

Ion	Ratio	Lower	Upper
168	100		
139	41.5	34.0	51.0
169	12.1	10.2	15.2



Instrument :
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ClientSampleId :
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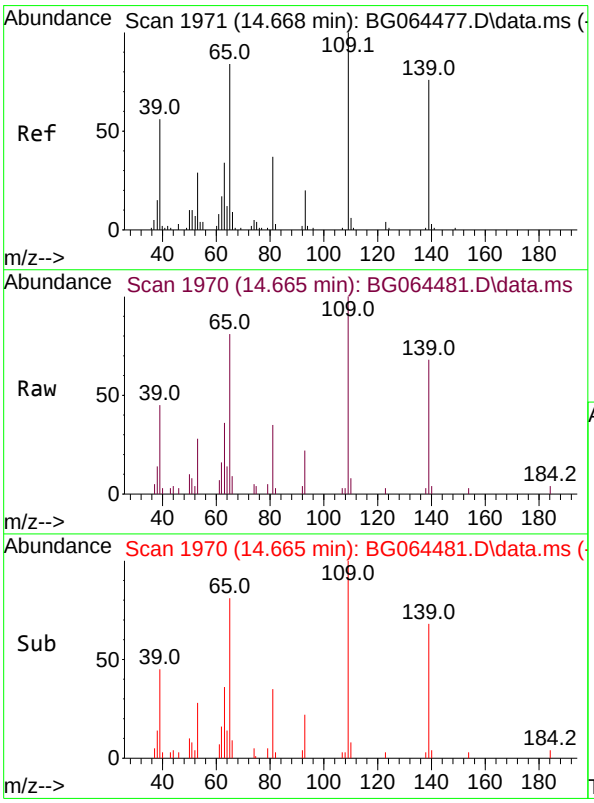
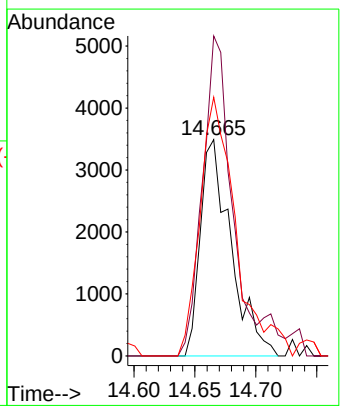
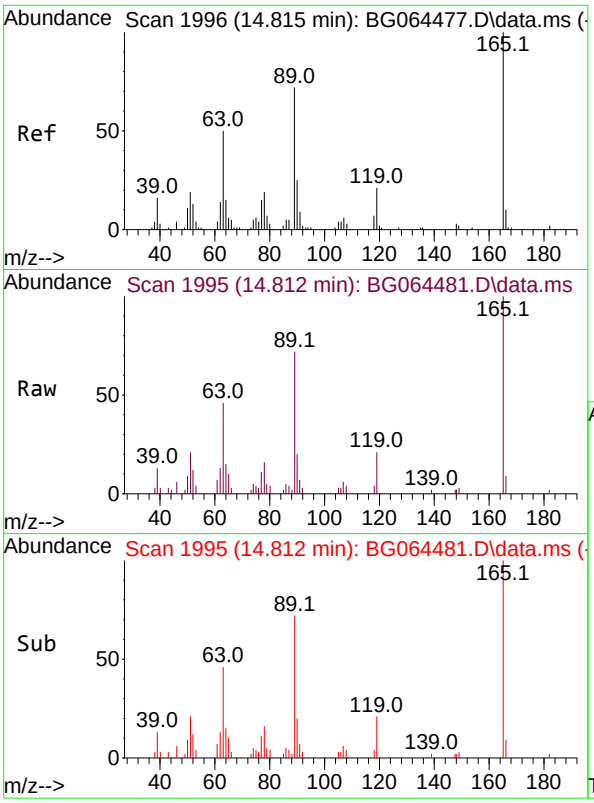


#56
4-Nitrophenol
Concen: 8.116 ng
RT: 14.665 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

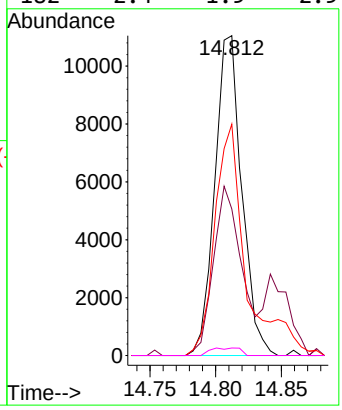




#57
2,4-Dinitrotoluene
Concen: 10.006 ng
RT: 14.812 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:165 Resp: 1584

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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ClientSampleId :
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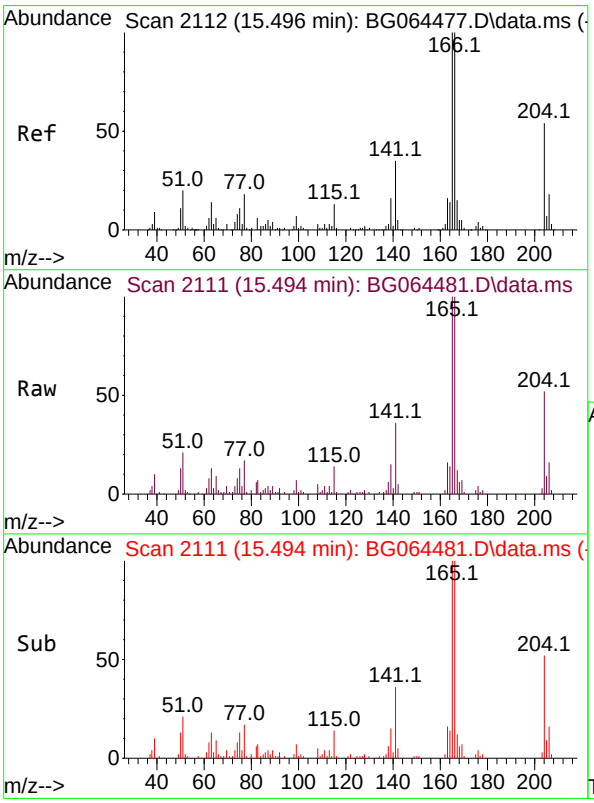
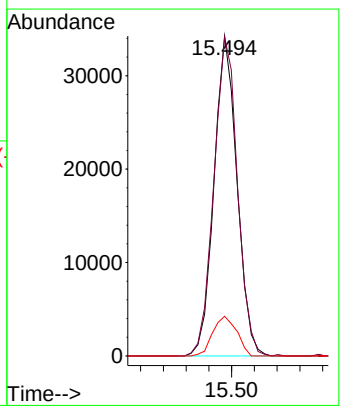
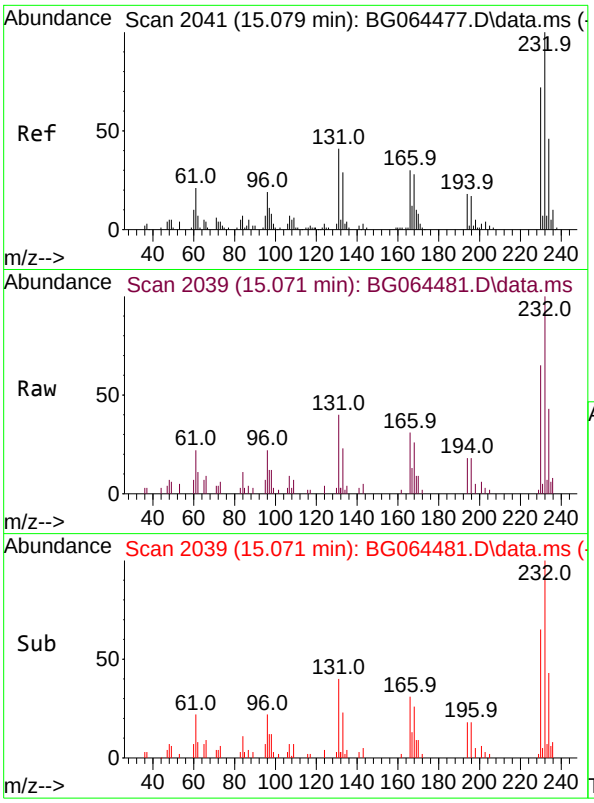


#58
Fluorene
Concen: 9.937 ng
RT: 15.494 min Scan# 2111
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

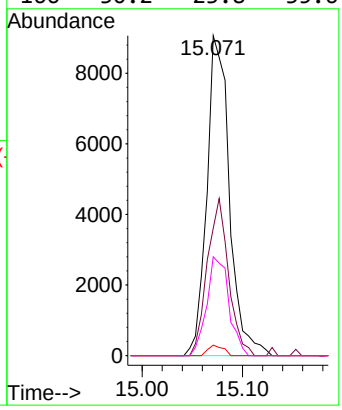




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.514 ng
RT: 15.071 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:232 Resp: 1420

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



Instrument :
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ClientSampleId :
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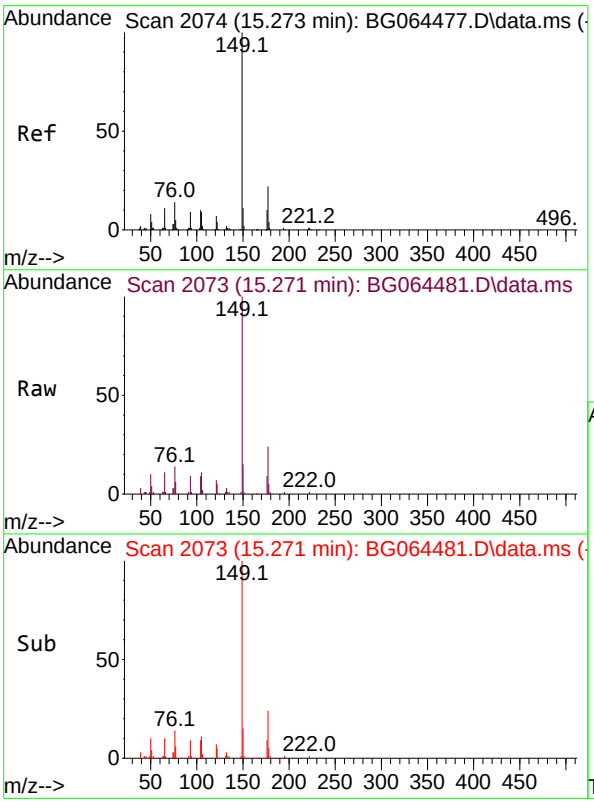
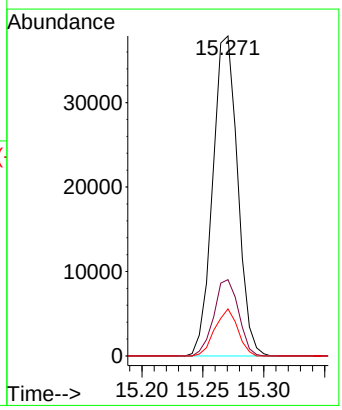
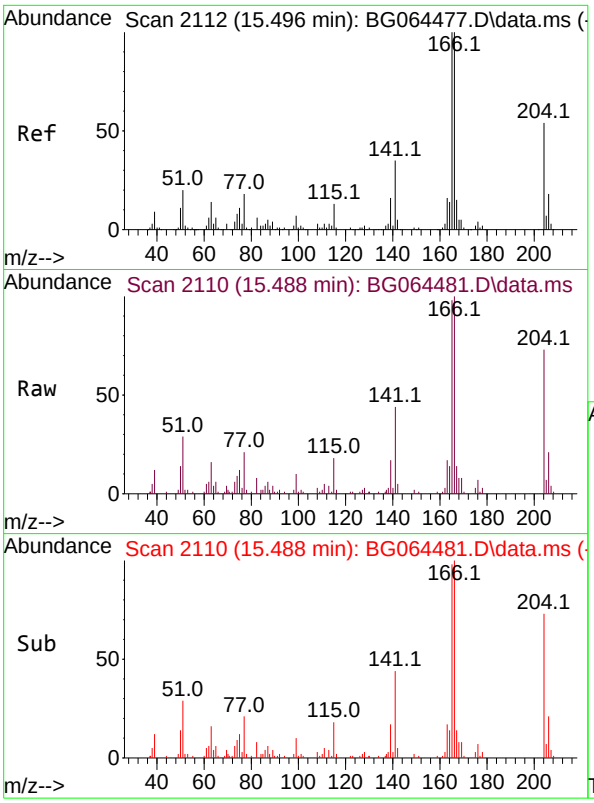


#60
Diethylphthalate
Concen: 10.066 ng
RT: 15.271 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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#

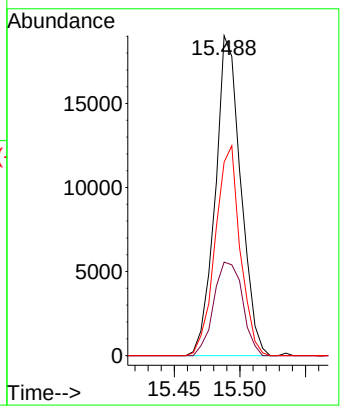




#61
4-Chlorophenyl-phenylether
Concen: 9.742 ng
RT: 15.488 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:204 Resp: 2566

Ion	Ratio	Lower	Upper
204	100		
206	29.2	27.1	40.7
141	60.5	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
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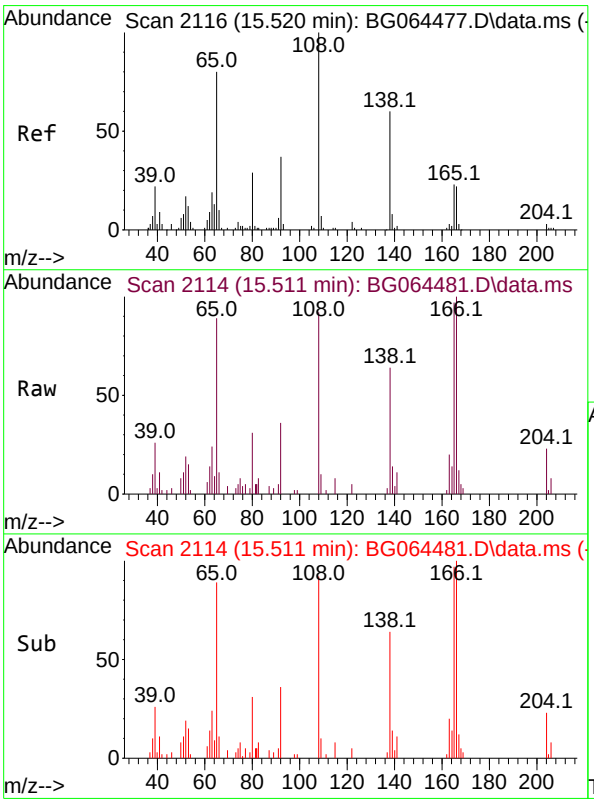
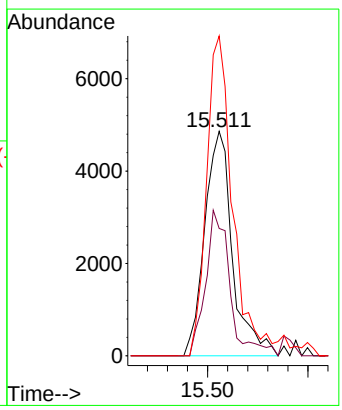
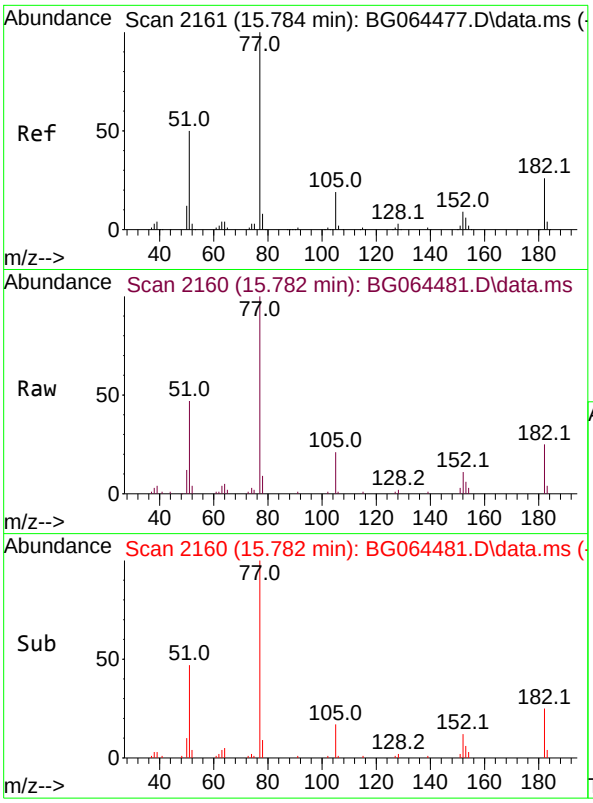


#62
4-Nitroaniline
Concen: 9.431 ng
RT: 15.511 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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#

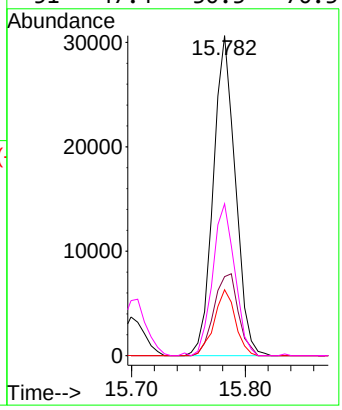




#63
Azobenzene
Concen: 9.982 ng
RT: 15.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion: 77 Resp: 4123

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



Instrument :
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ClientSampleId :
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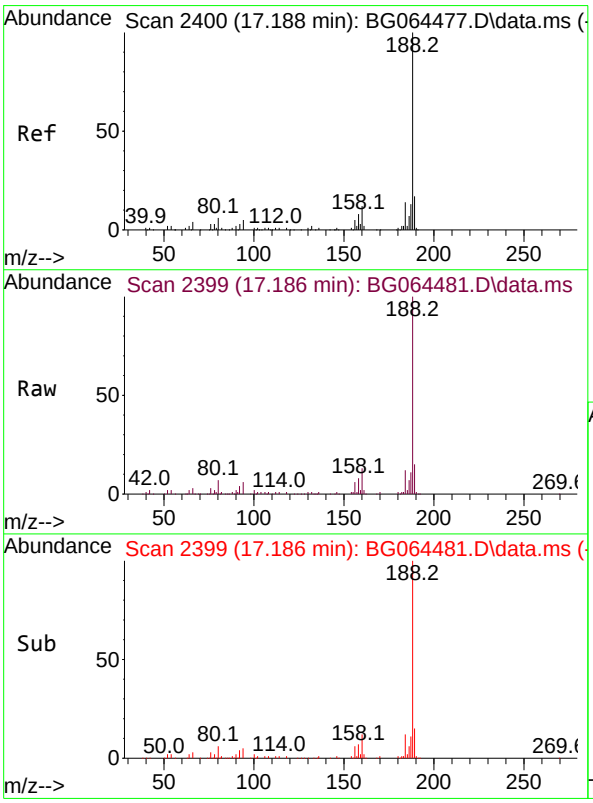
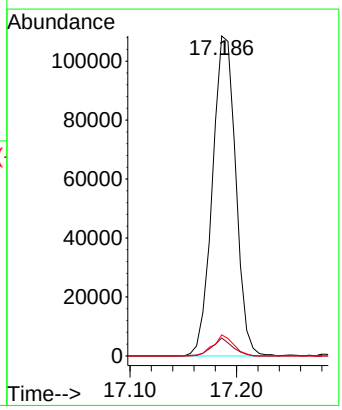
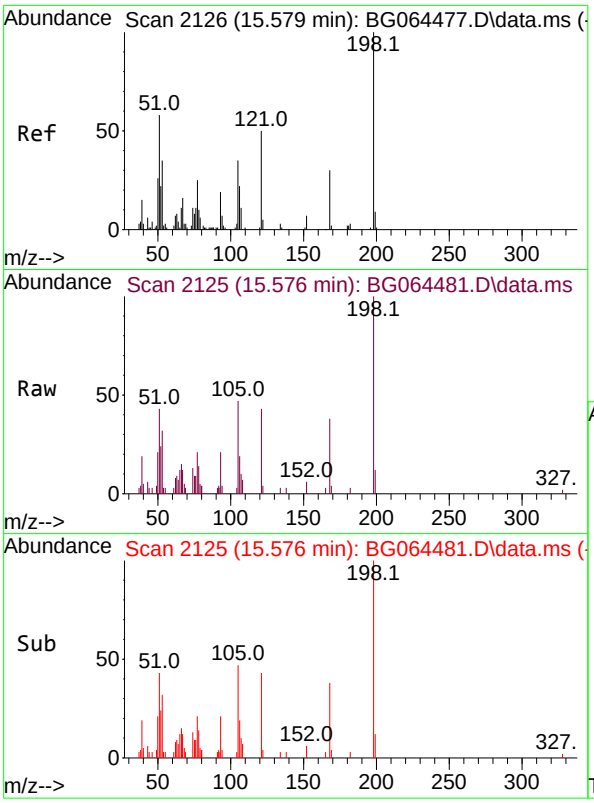


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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# 21
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:198 Resp: 1031

Ion	Ratio	Lower	Upper
198	100		
51	42.9	39.0	79.0
105	47.4	15.8	55.8

Instrument :
BNA_G
ClientSampleId :
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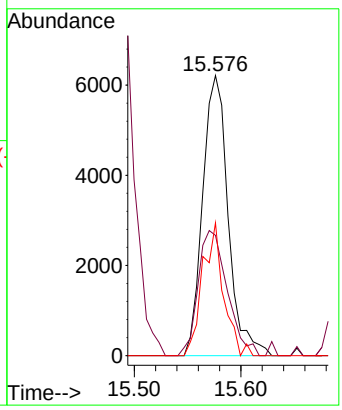
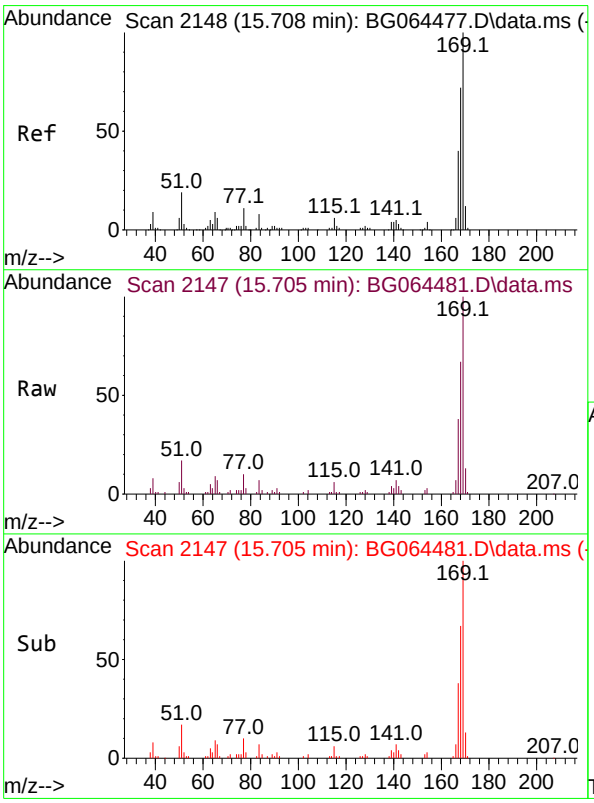
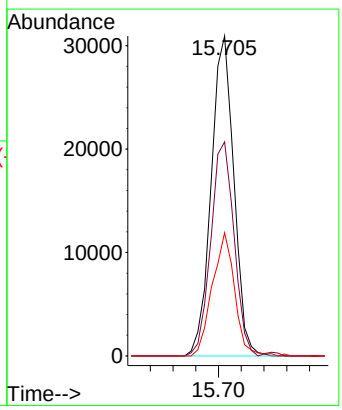


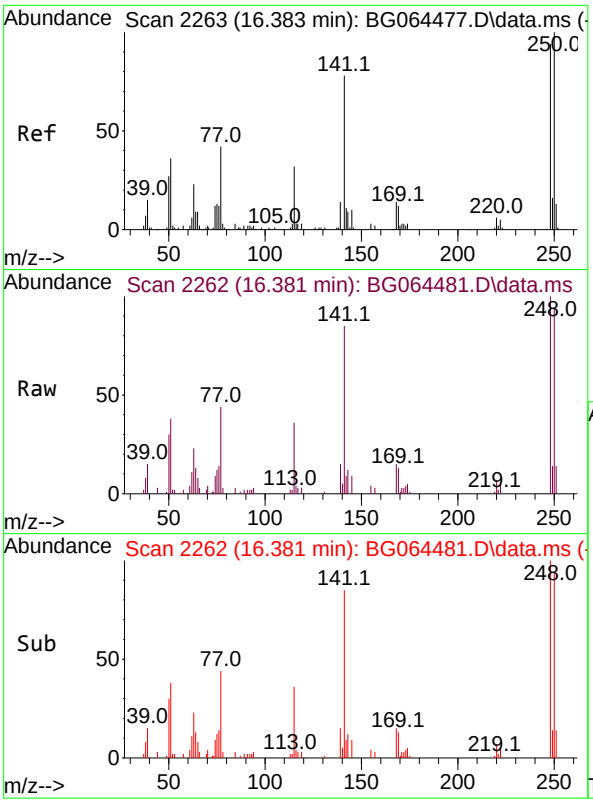


#66
n-Nitrosodiphenylamine
Concen: 9.712 ng
RT: 15.705 min Scan# 2147
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

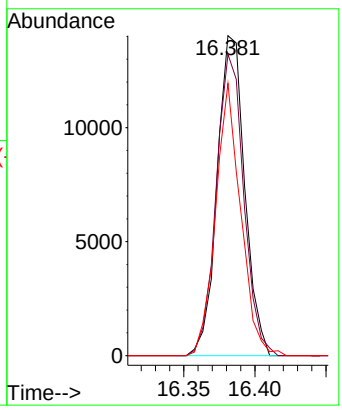




#67
4-Bromophenyl-phenylether
Concen: 9.731 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:248 Resp: 1893

Ion	Ratio	Lower	Upper
248	100		
250	94.2	85.3	127.9
141	85.1	66.2	99.2



Instrument :
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ClientSampleId :
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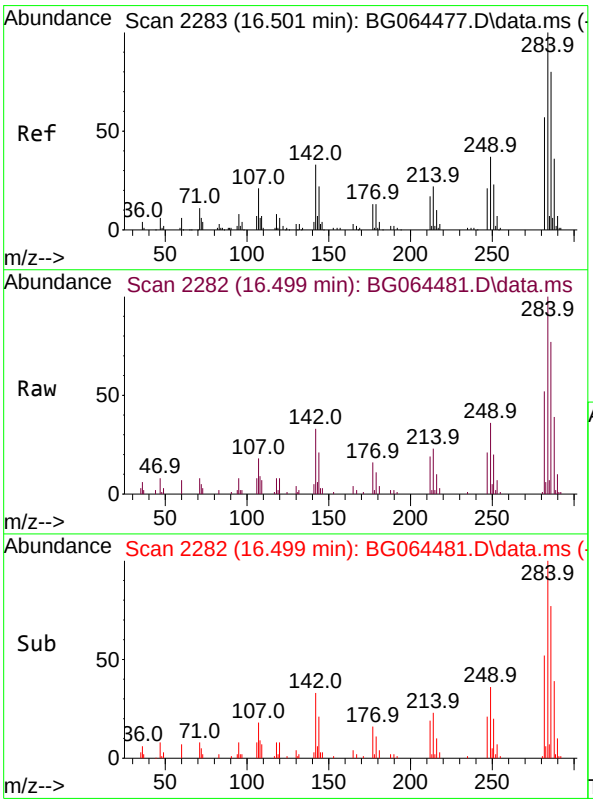
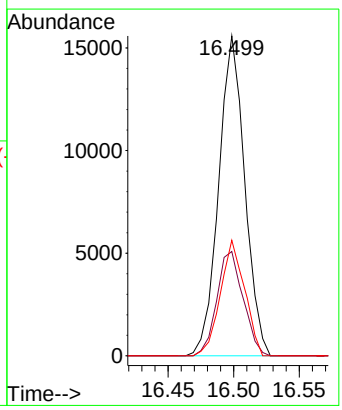
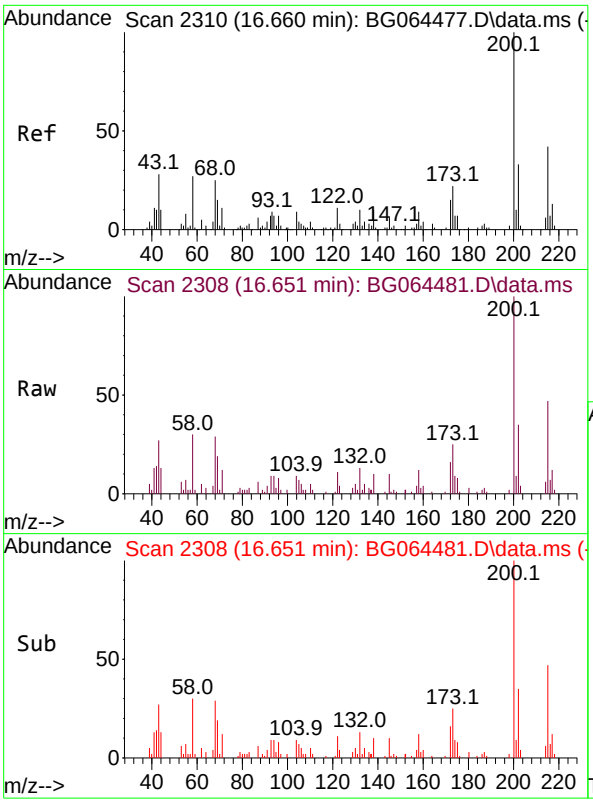


#68
Hexachlorobenzene
Concen: 9.676 ng
RT: 16.499 min Scan# 2282
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

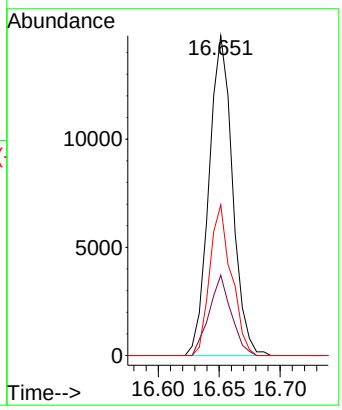




#69
Atrazine
Concen: 10.119 ng
RT: 16.651 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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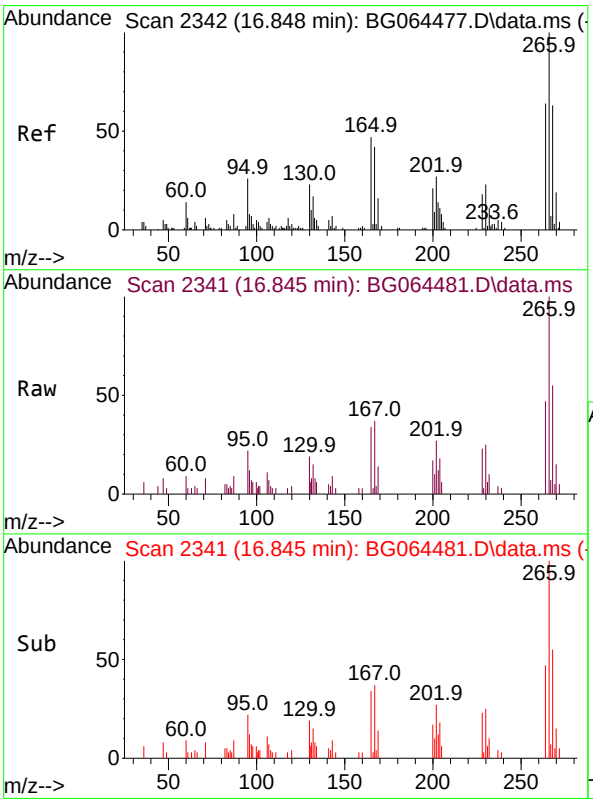
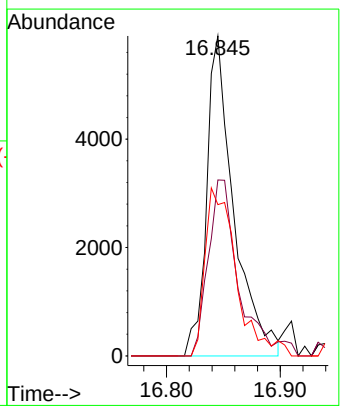
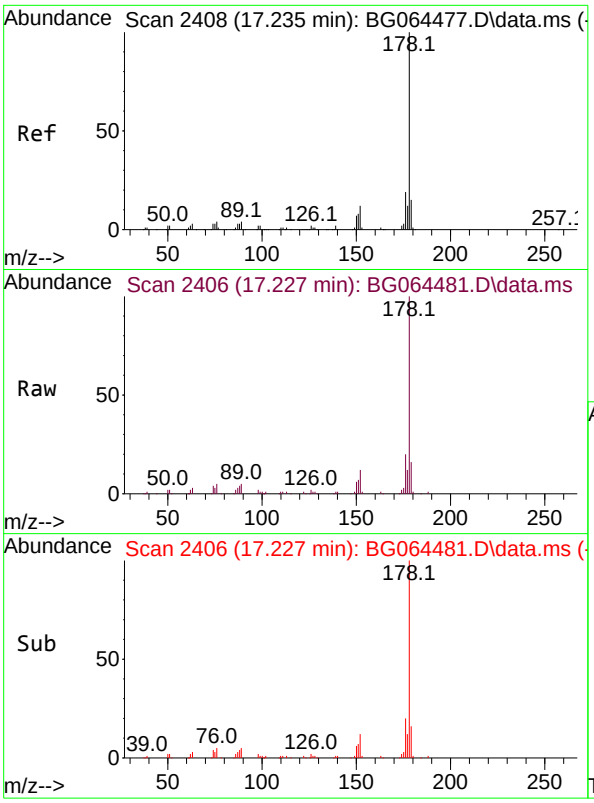


#70
Pentachlorophenol
Concen: 7.520 ng
RT: 16.845 min Scan# 2341
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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#

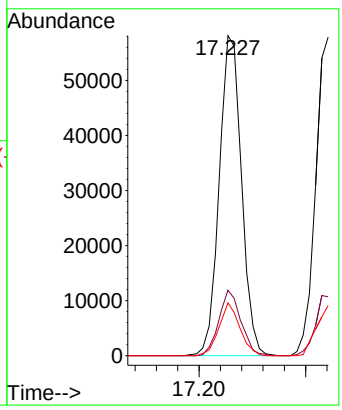




#71
Phenanthrene
Concen: 9.770 ng
RT: 17.227 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:178 Resp: 8447

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.2	22.8
179	16.5	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
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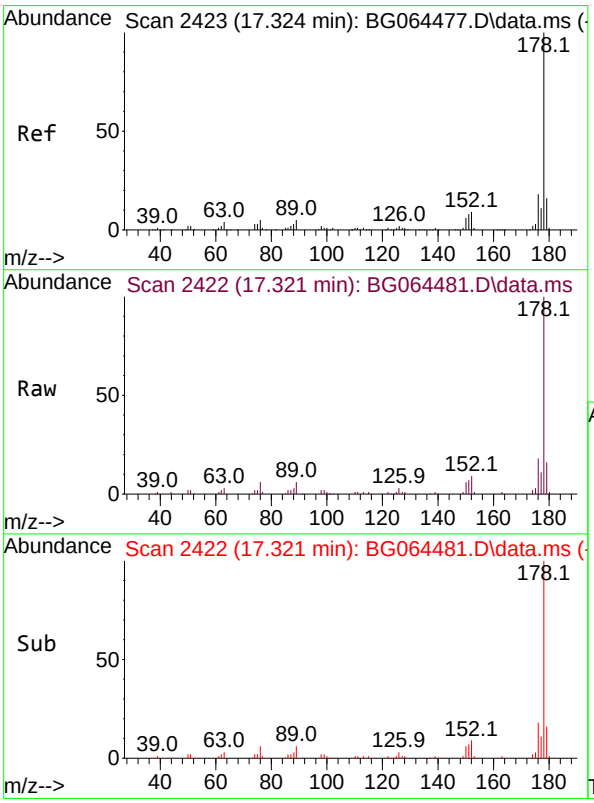
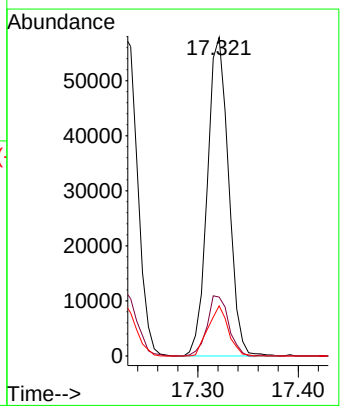
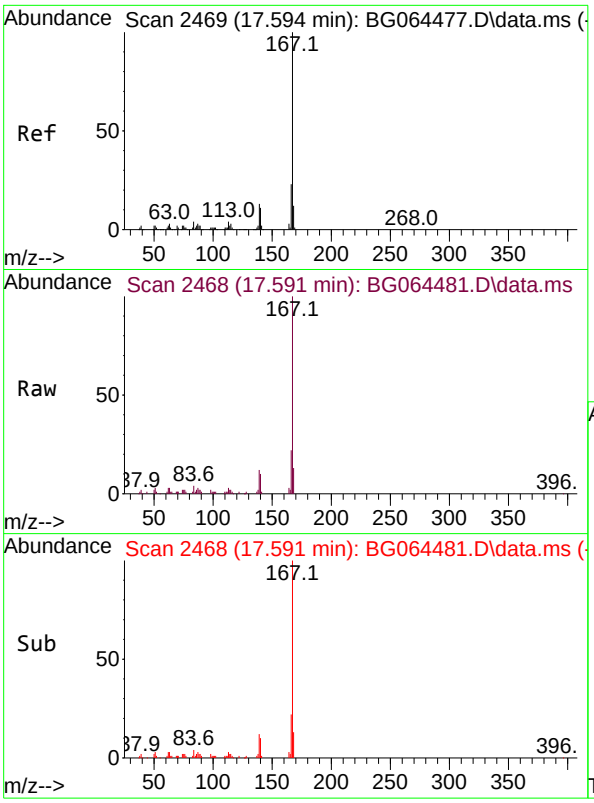


#72
Anthracene
Concen: 9.797 ng
RT: 17.321 min Scan# 2422
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

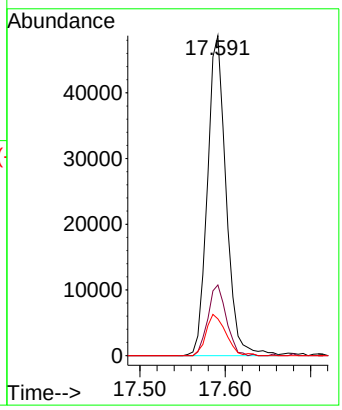




#73
Carbazole
Concen: 9.869 ng
RT: 17.591 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:167 Resp: 7399

Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.6	27.8
139	11.5	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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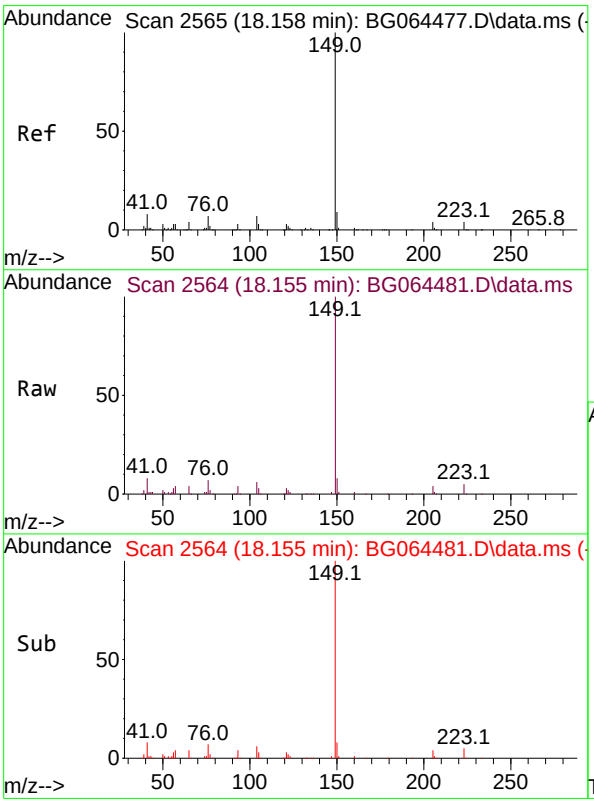
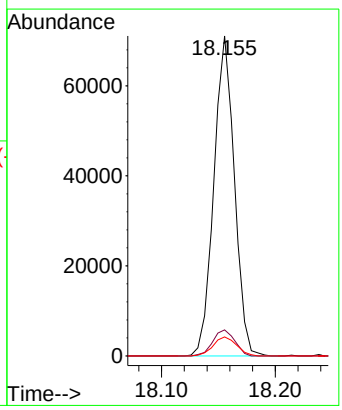
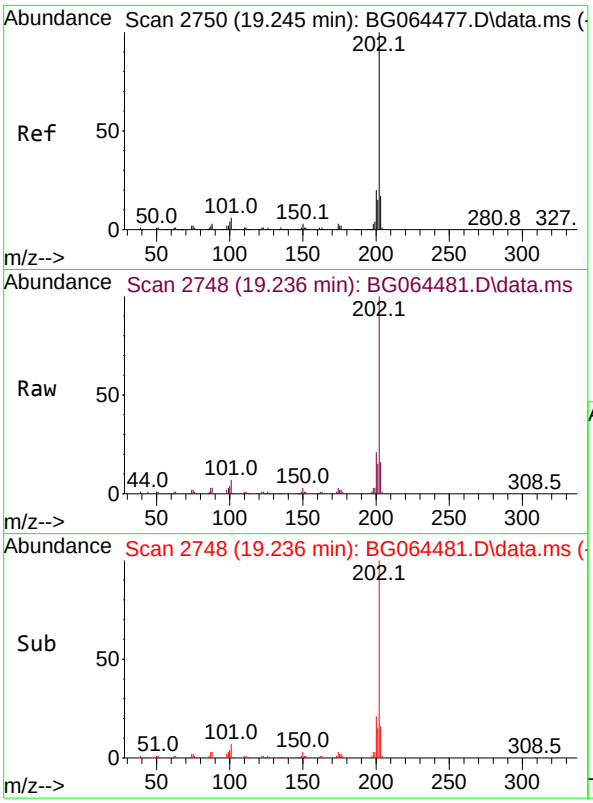


#74
Di-n-butylphthalate
Concen: 9.742 ng
RT: 18.155 min Scan# 2564
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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# 2
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:202 Resp: 10136

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	25.7
203	16.0	0.0	36.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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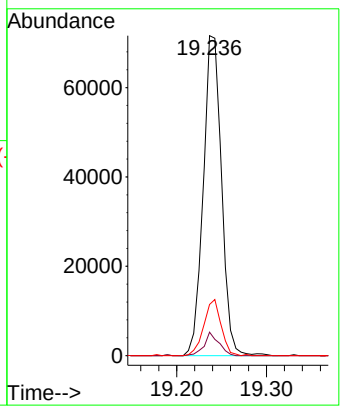
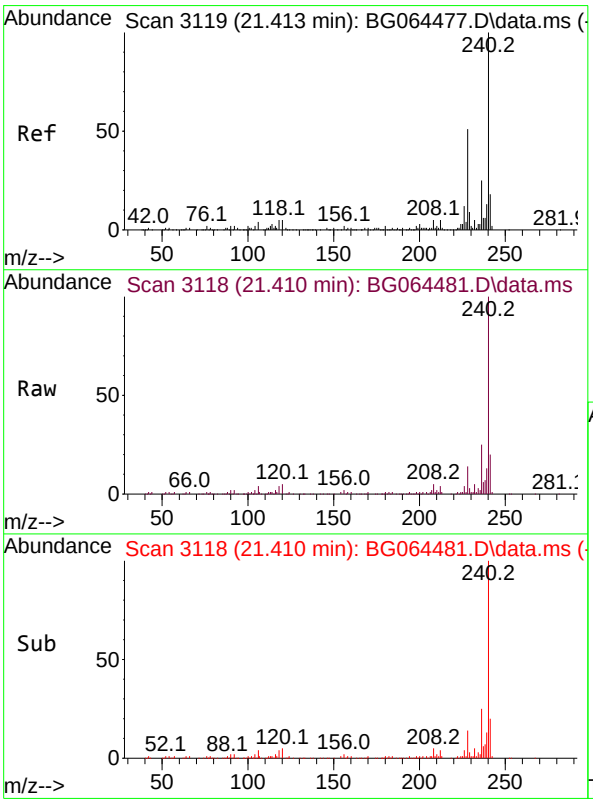
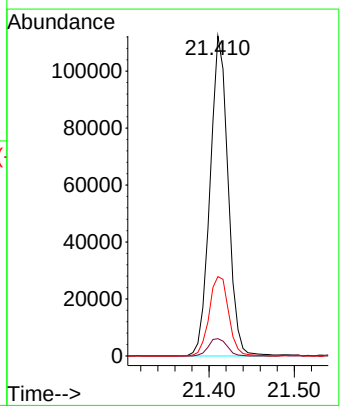


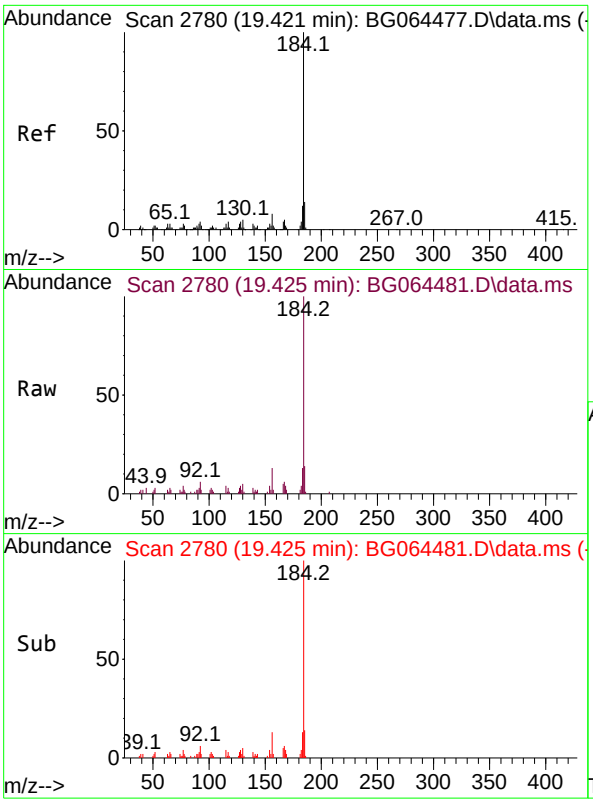


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

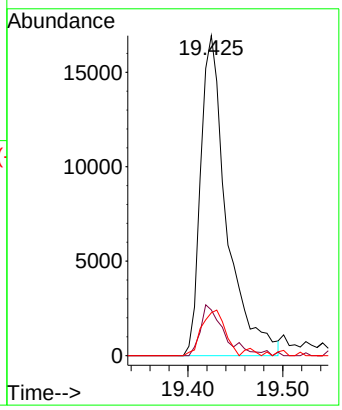




#77
Benzidine
Concen: 7.894 ng
RT: 19.425 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:184 Resp: 3238

Ion	Ratio	Lower	Upper
184	100		
185	14.3	10.9	16.3
183	13.4	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
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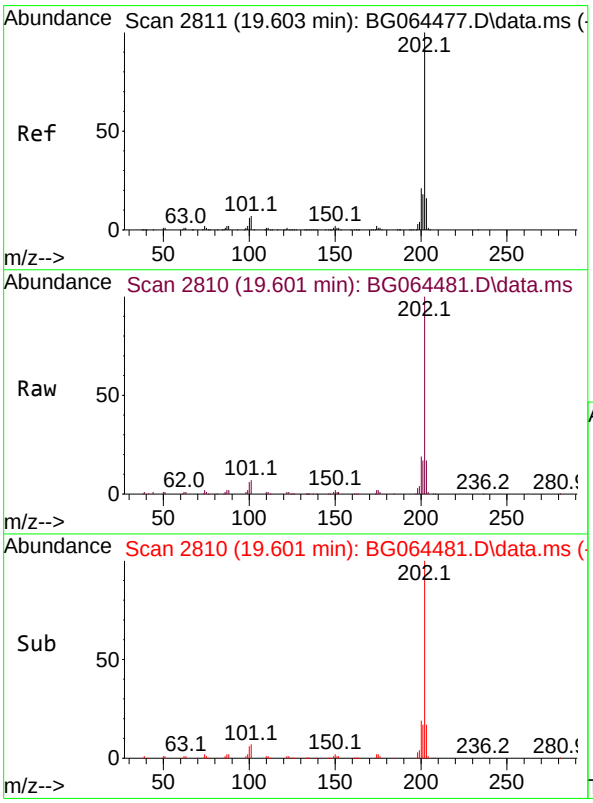
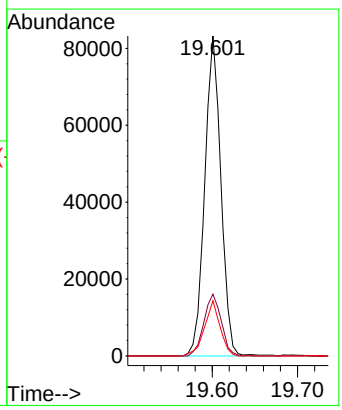
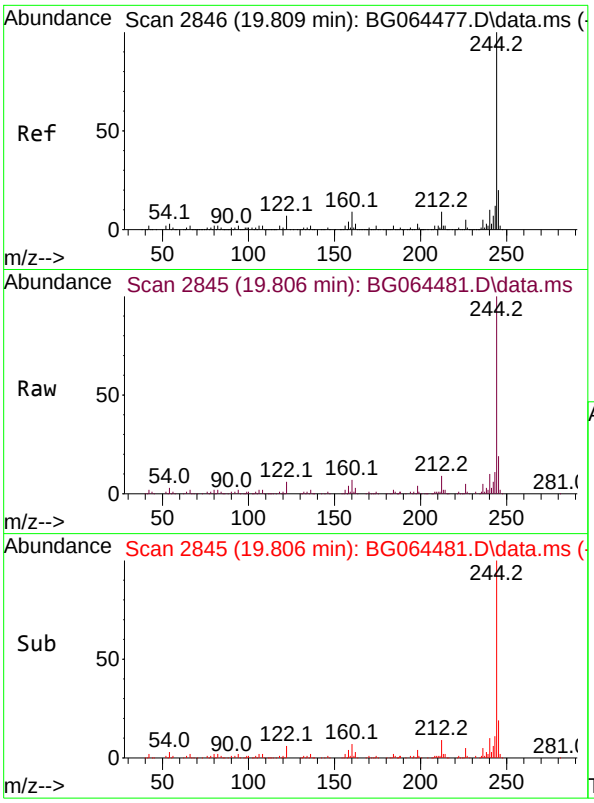


#78
Pyrene
Concen: 10.242 ng
RT: 19.601 min Scan# 2810
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

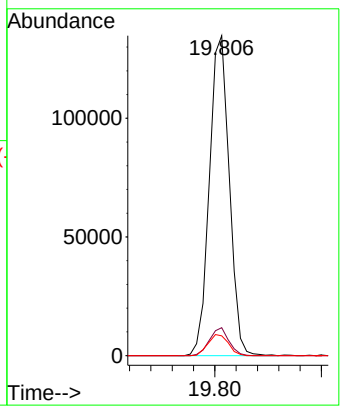




#79
Terphenyl-d14
Concen: 20.088 ng
RT: 19.806 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:244 Resp: 17497

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.0	10.6
122	6.2	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
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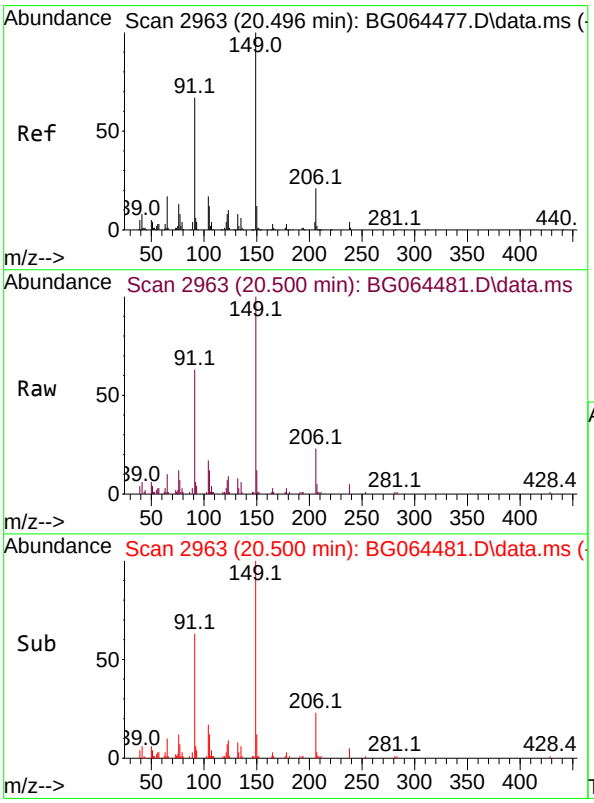
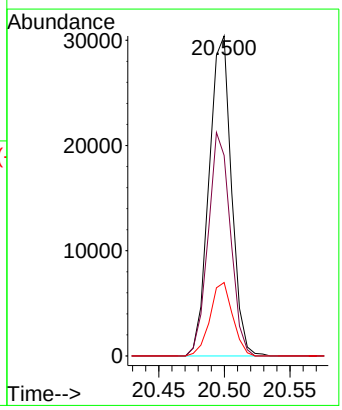
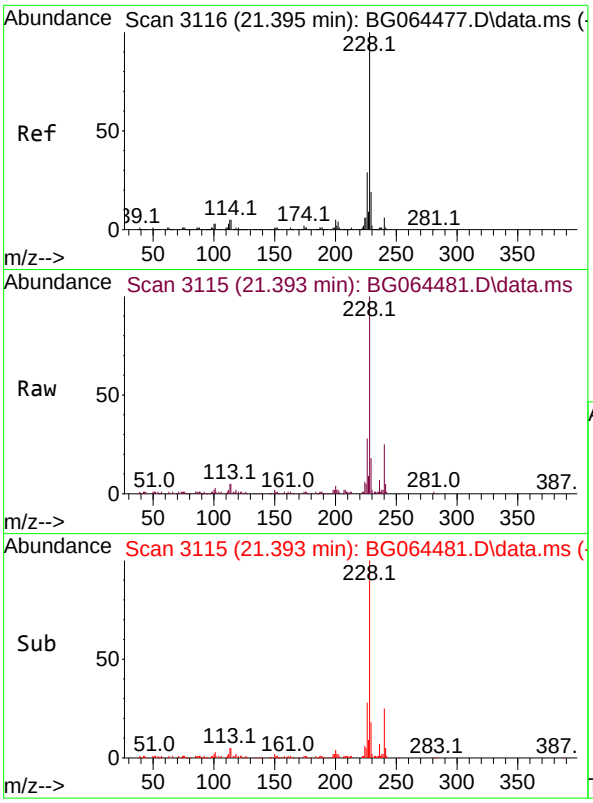


#80
Butylbenzylphthalate
Concen: 9.522 ng
RT: 20.500 min Scan# 2963
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

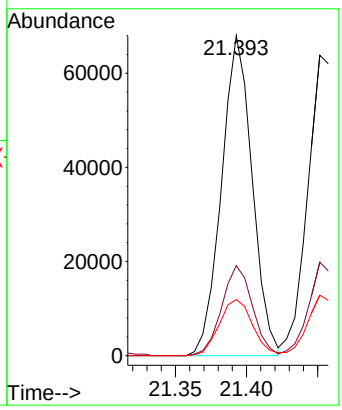




#81
Benzo(a)anthracene
Concen: 9.700 ng
RT: 21.393 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:228 Resp: 10209

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.8	34.2
229	17.5	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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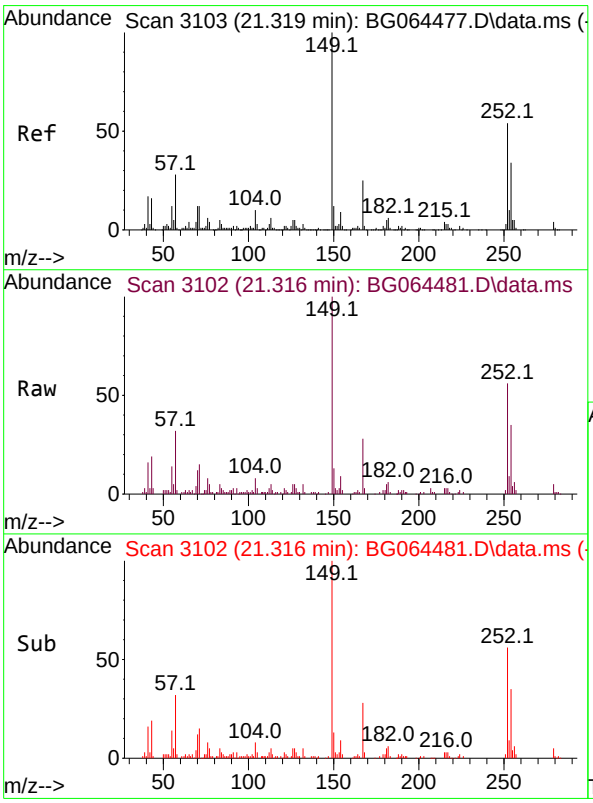
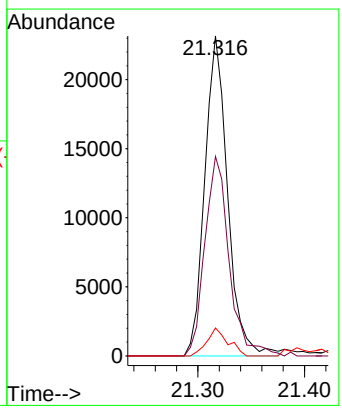
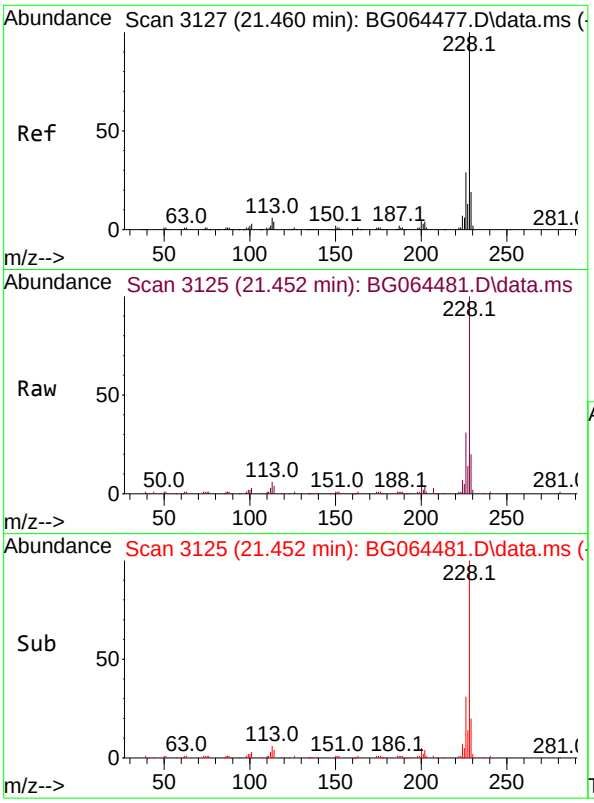


#82
3,3'-Dichlorobenzidine
Concen: 9.670 ng
RT: 21.316 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

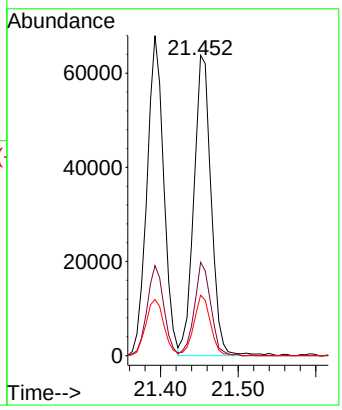




#83
Chrysene
Concen: 9.908 ng
RT: 21.452 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:228 Resp: 9889

Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.8	34.2
229	20.1	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
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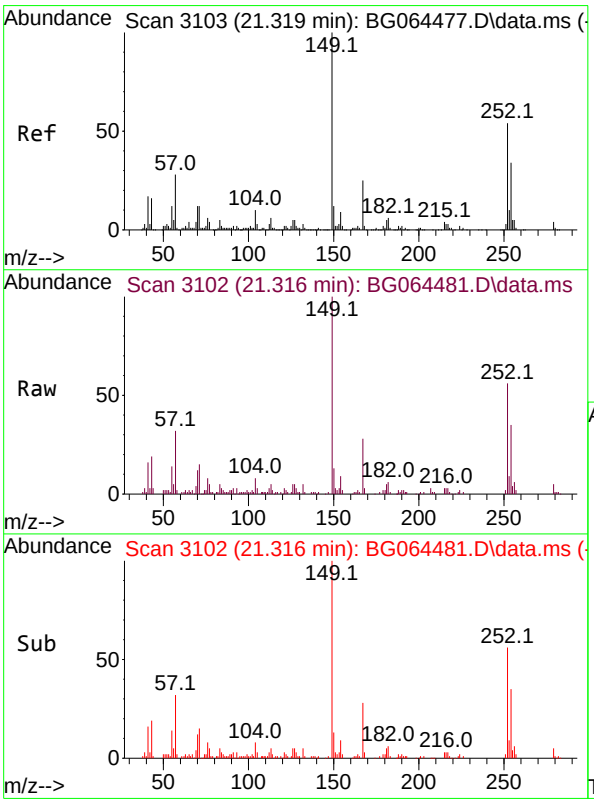
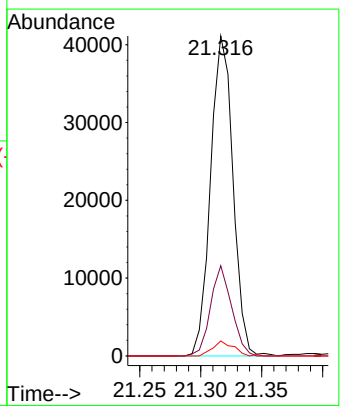
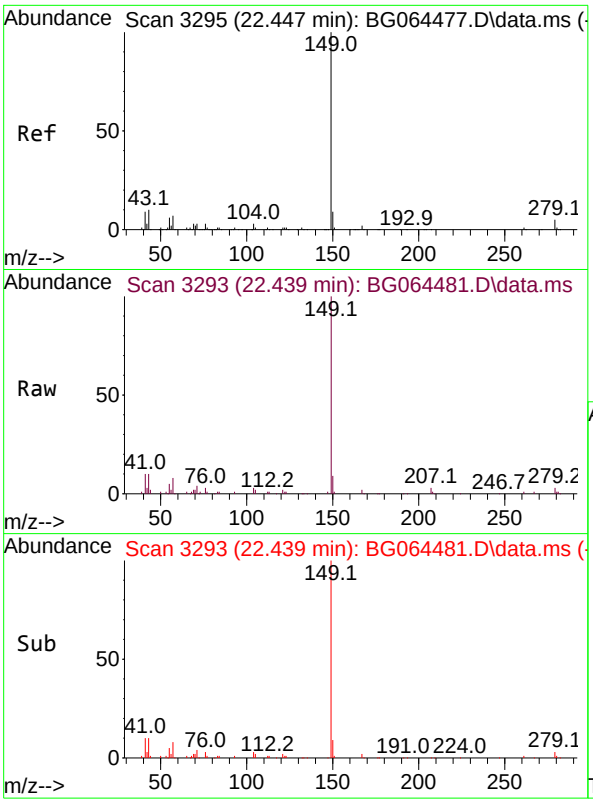


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.814 ng
RT: 21.316 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:149 Resp: 52514

Ion	Ratio	Lower	Upper
149	100		
167	28.2	19.7	29.5
279	4.7	3.4	5.2

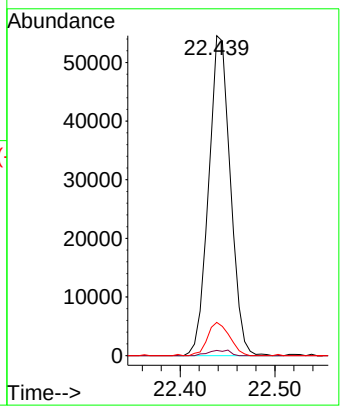




#85
Di-n-octyl phthalate
Concen: 9.673 ng
RT: 22.439 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:149 Resp: 8698

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	10.5	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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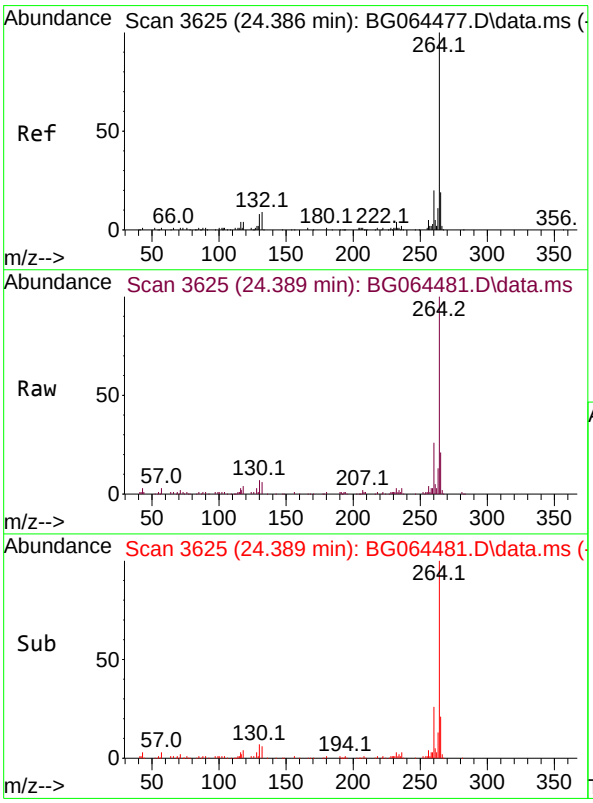
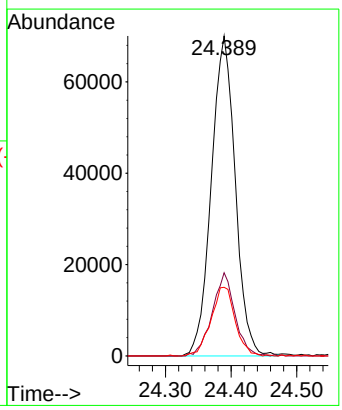
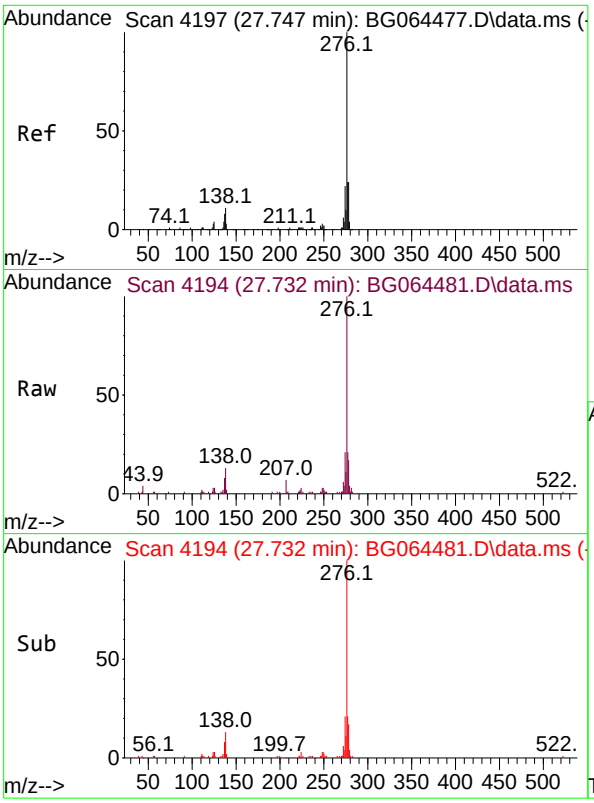


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.389 min Scan# 3625
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

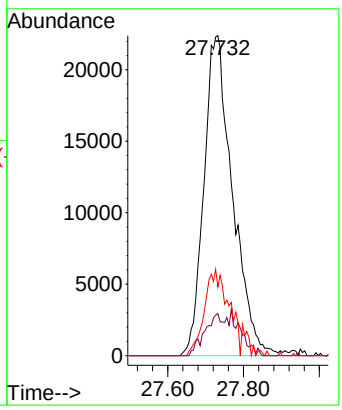




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.480 ng
RT: 27.732 min Scan# 41
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:276 Resp: 11730

Ion	Ratio	Lower	Upper
276	100		
138	8.5	10.8	16.2#
277	9.6	20.3	30.5#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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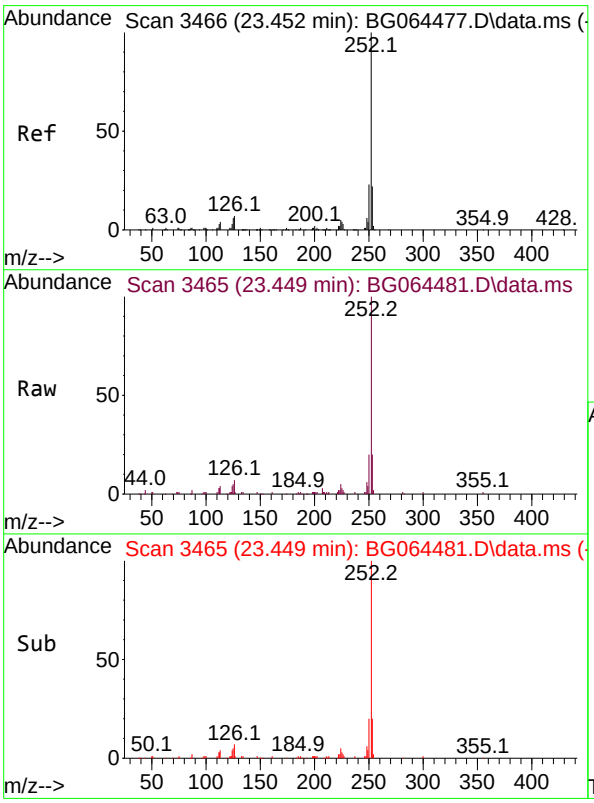
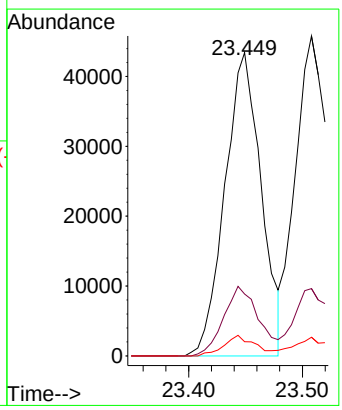
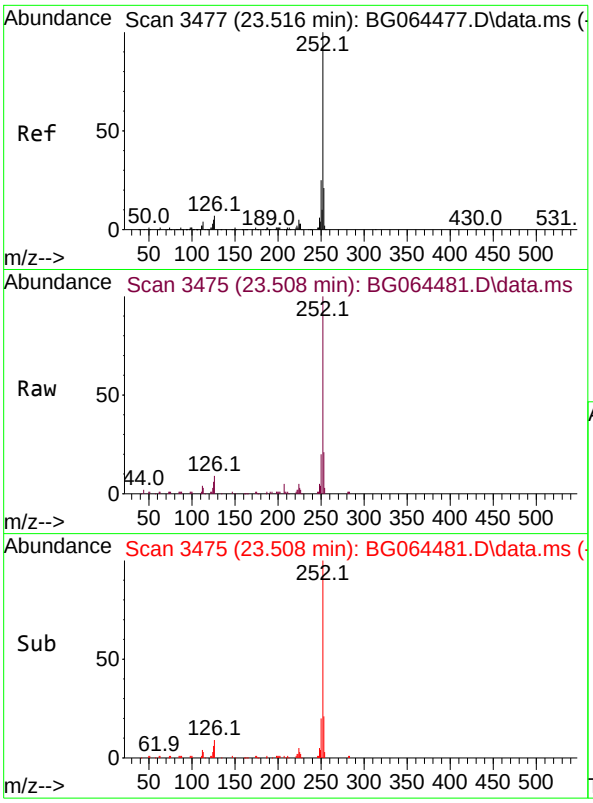


#88
Benzo(b)fluoranthene
Concen: 9.525 ng
RT: 23.449 min Scan# 3465
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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

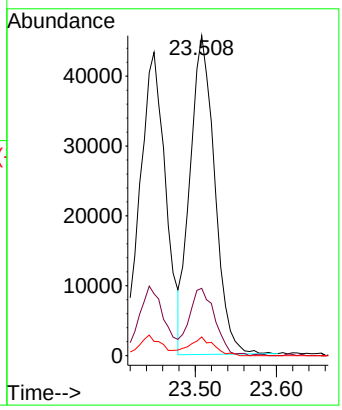




#89
Benzo(k)fluoranthene
Concen: 9.442 ng
RT: 23.508 min Scan# 34
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:252 Resp: 9617

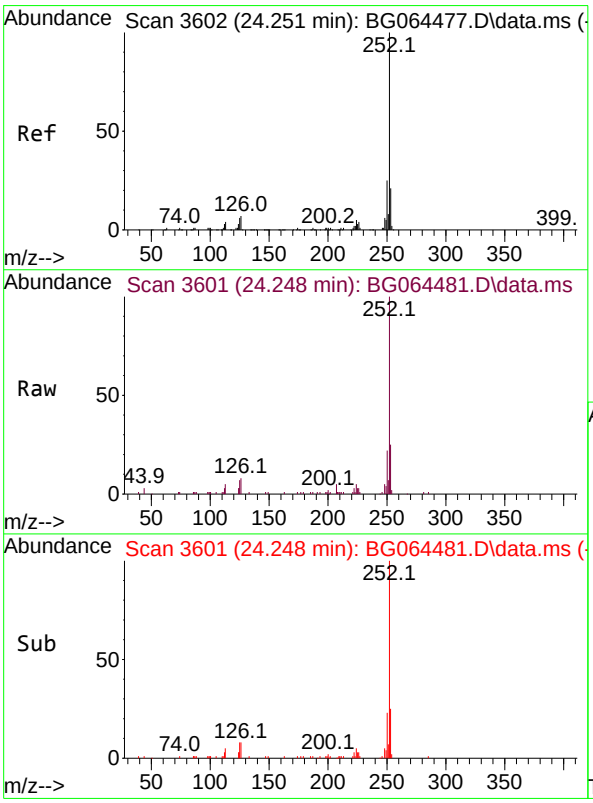
Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.2
125	5.8	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

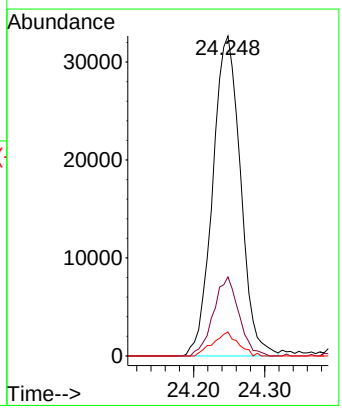
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

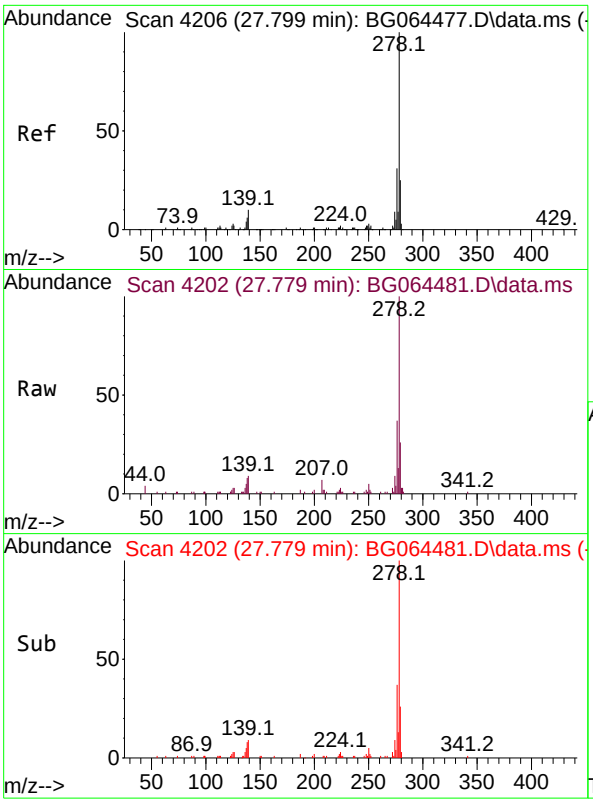


#90
Benzo(a)pyrene
Concen: 9.529 ng
RT: 24.248 min Scan# 3601
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

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#

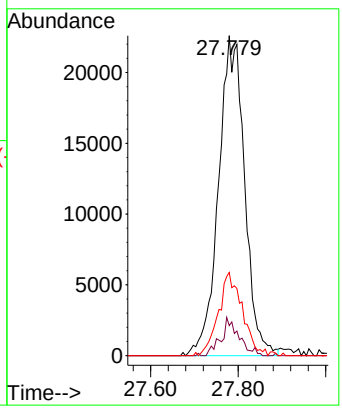




#91
Dibenzo(a,h)anthracene
Concen: 9.457 ng
RT: 27.779 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064481.D
Acq: 2 Oct 2025 15:49

Tgt Ion:278 Resp: 9358

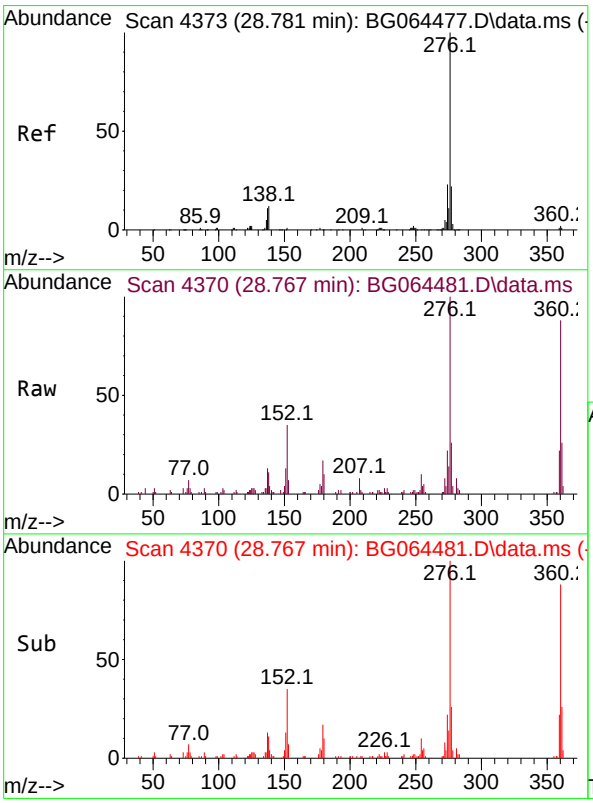
Ion	Ratio	Lower	Upper
278	100		
139	9.4	8.2	12.2
279	26.0	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

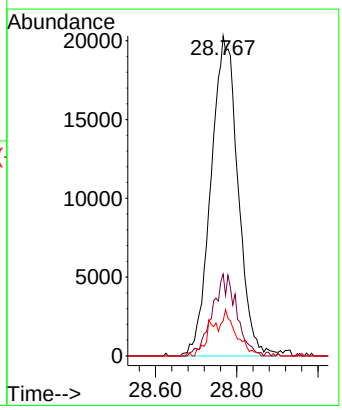
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#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

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

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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

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

ICAL Form

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

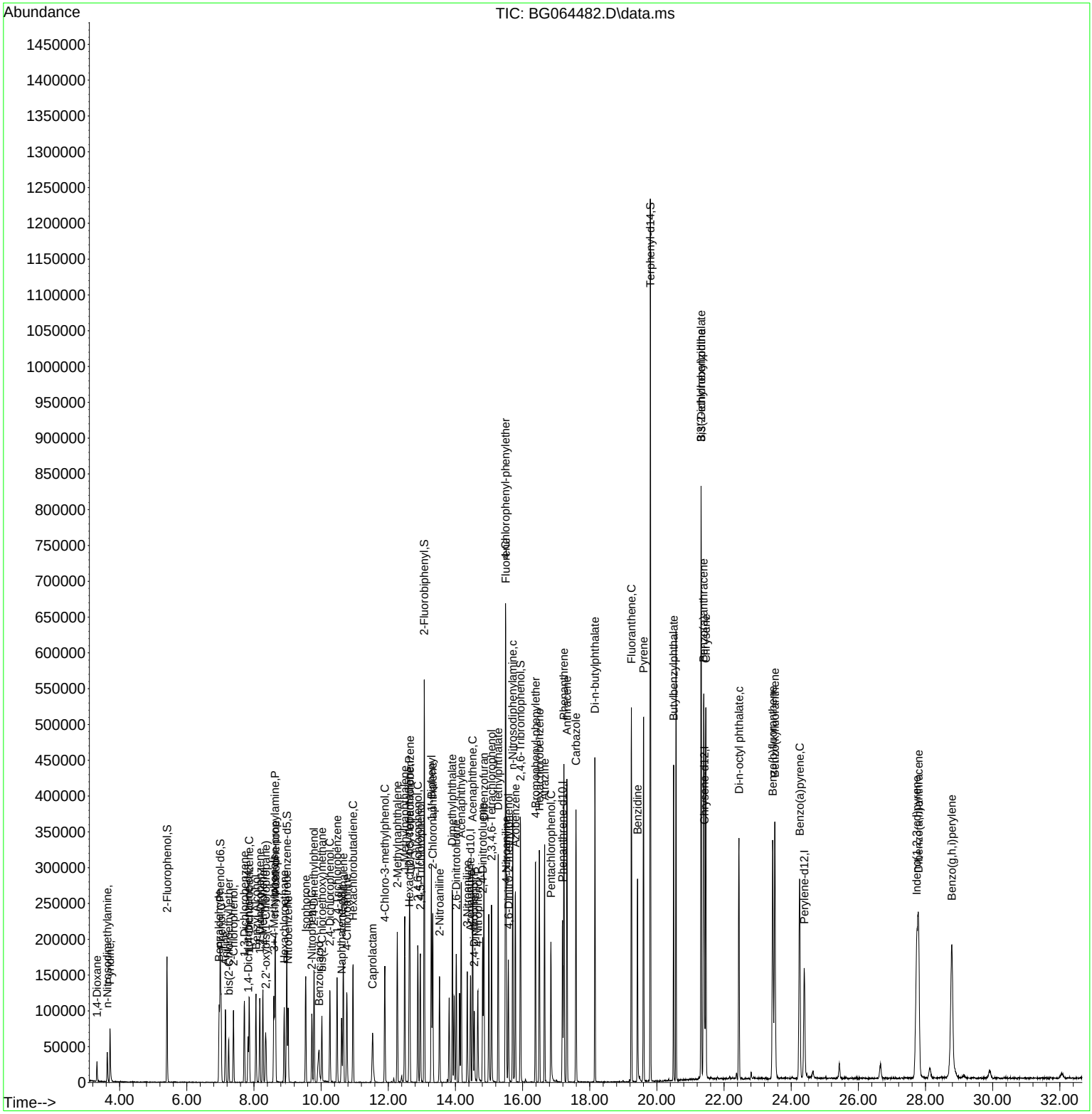
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064482.D
Acq On : 2 Oct 2025 18:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

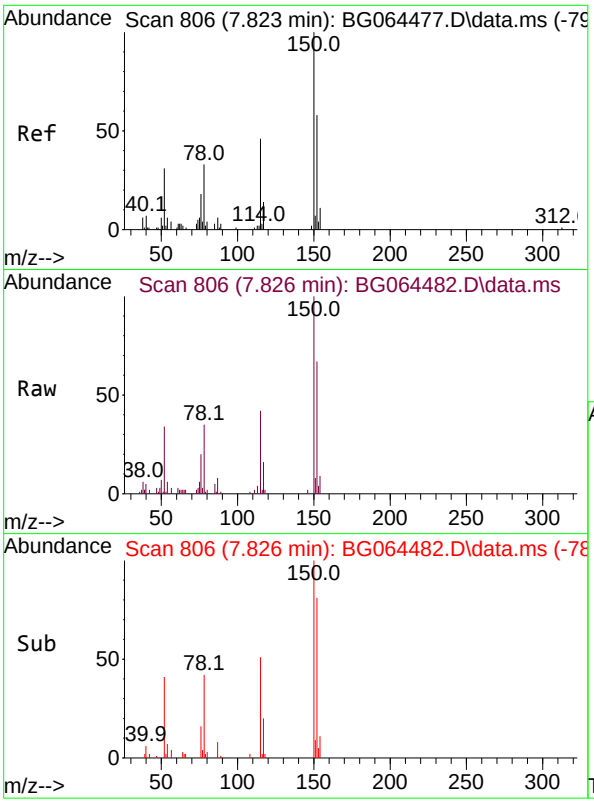
Quant Time: Oct 02 18:56:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

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

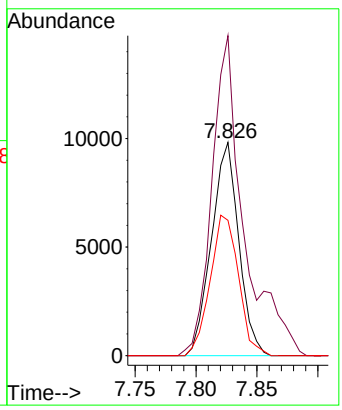




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.826 min Scan# 80
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
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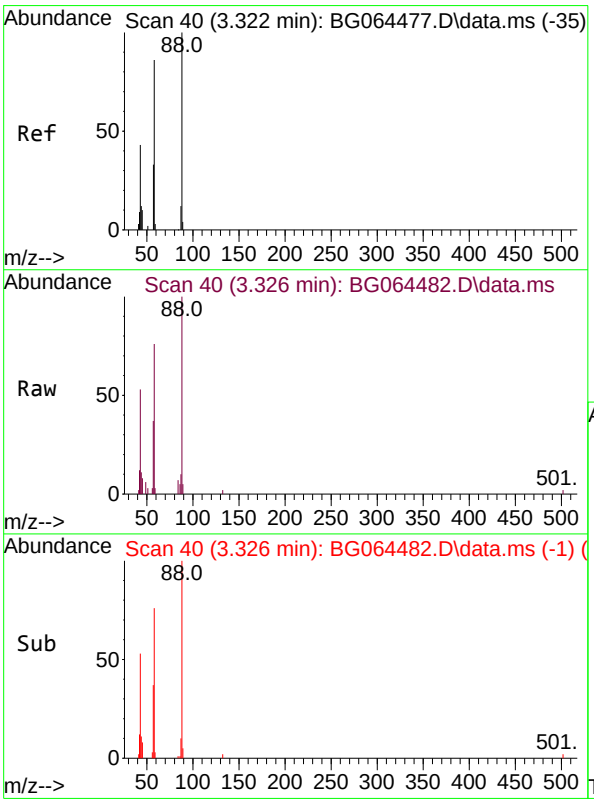
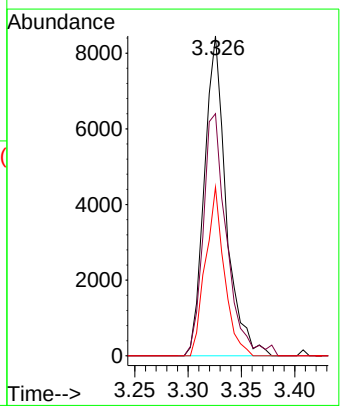
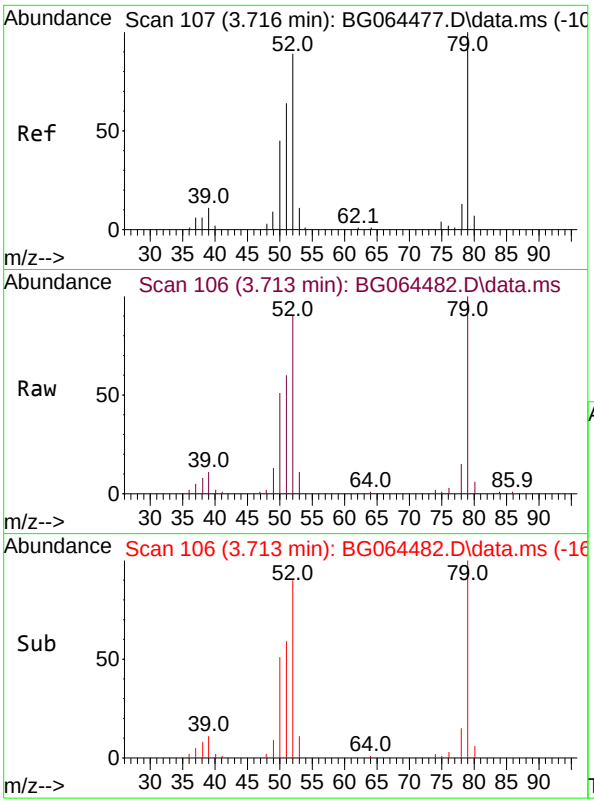


#2
1,4-Dioxane
Concen: 36.657 ng
RT: 3.326 min Scan# 40
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

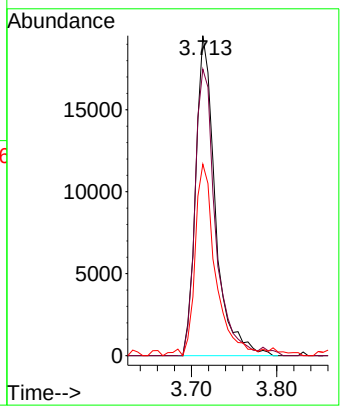




#3
Pyridine
Concen: 35.418 ng
RT: 3.713 min Scan# 10
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 79 Resp: 3116

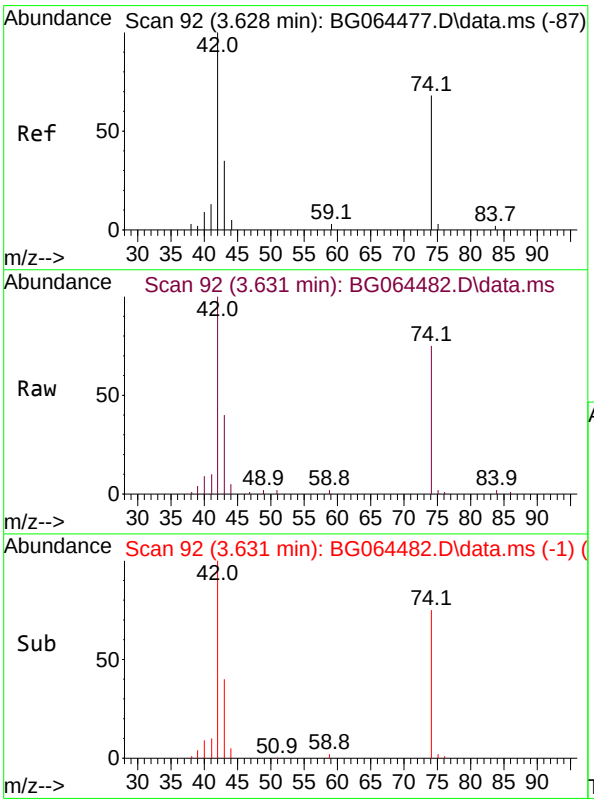
Ion	Ratio	Lower	Upper
79	100		
52	89.5	71.0	106.4
51	59.8	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

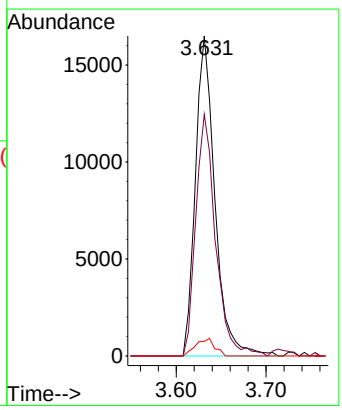
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

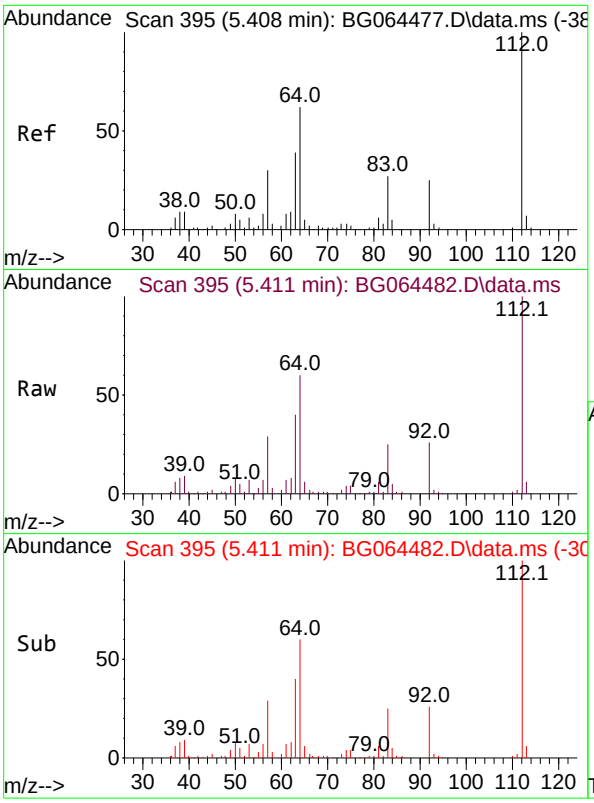


#4
n-Nitrosodimethylamine
Concen: 39.031 ng
RT: 3.631 min Scan# 92
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

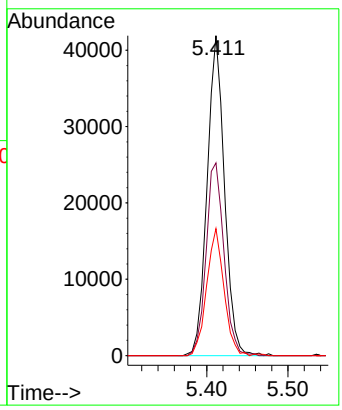




#5
2-Fluorophenol
Concen: 75.359 ng
RT: 5.411 min Scan# 39
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:112 Resp: 6237

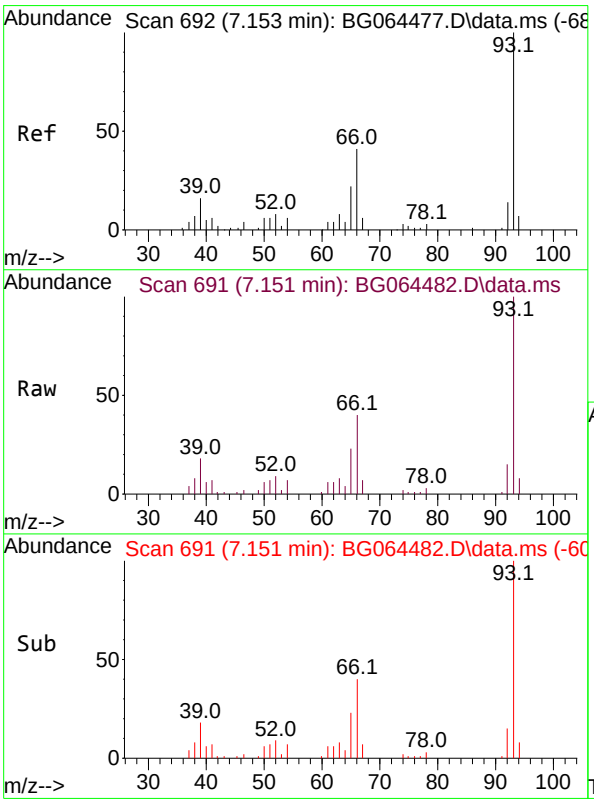
Ion	Ratio	Lower	Upper
112	100		
64	60.2	49.8	74.8
63	39.7	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

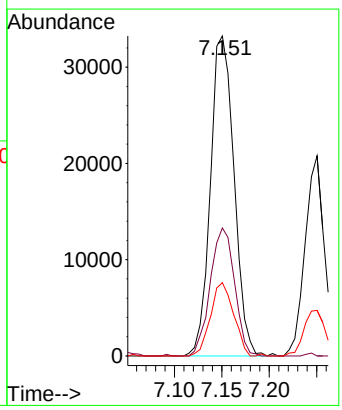
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

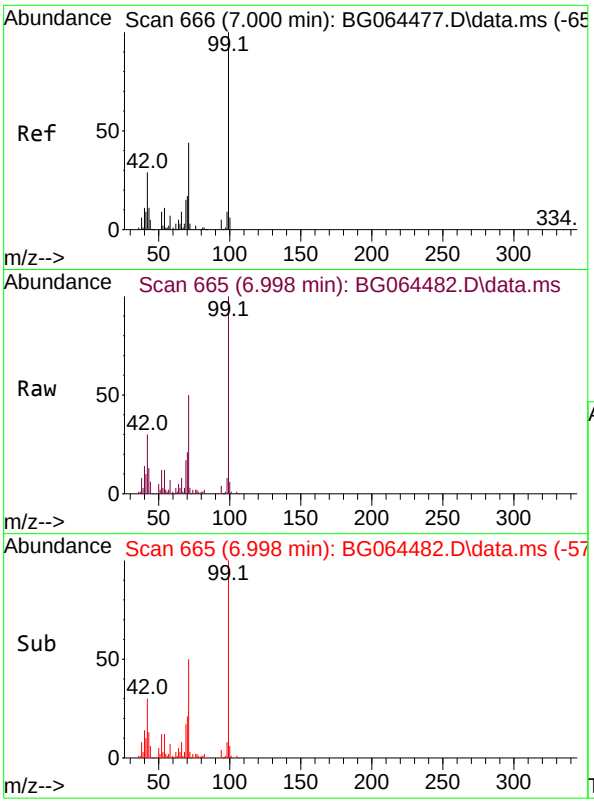


#6
Aniline
Concen: 41.109 ng
RT: 7.151 min Scan# 691
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

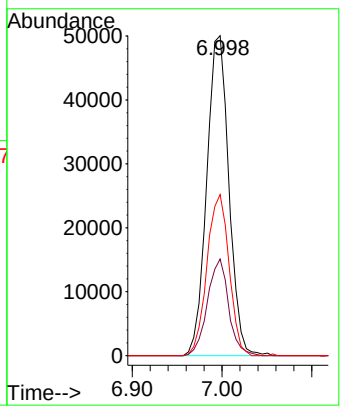




#7
Phenol-d6
Concen: 77.494 ng
RT: 6.998 min Scan# 6
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 99 Resp: 8619

Ion	Ratio	Lower	Upper
99	100		
42	30.2	22.9	34.3
71	50.3	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
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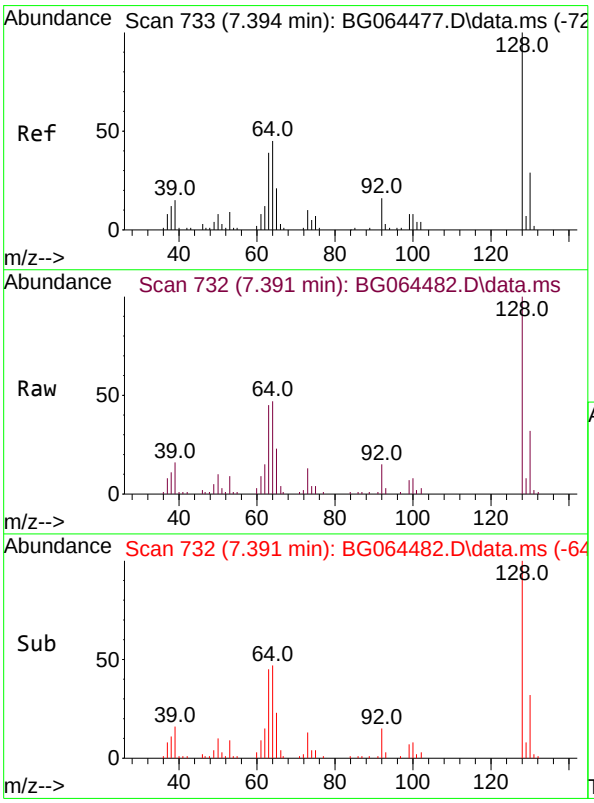
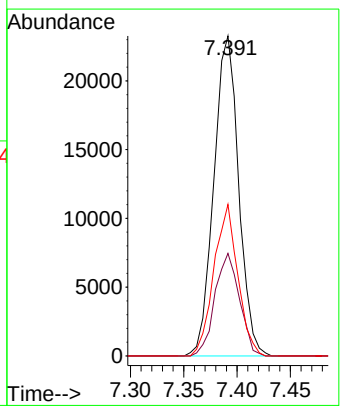
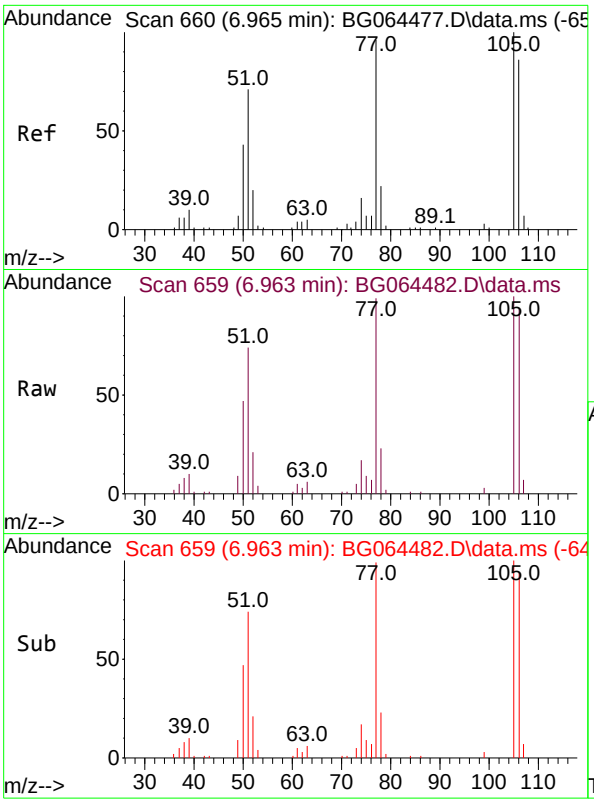


#8
2-Chlorophenol
Concen: 37.094 ng
RT: 7.391 min Scan# 732
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

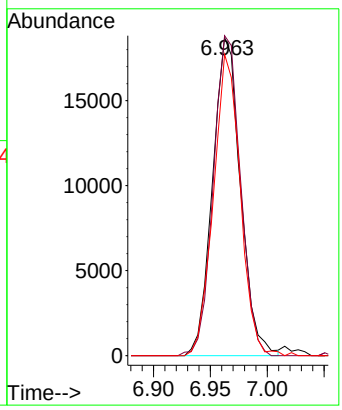




#9
Benzaldehyde
Concen: 32.268 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 77 Resp: 3186

Ion	Ratio	Lower	Upper
77	100		
105	100.6	83.7	123.7
106	94.7	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
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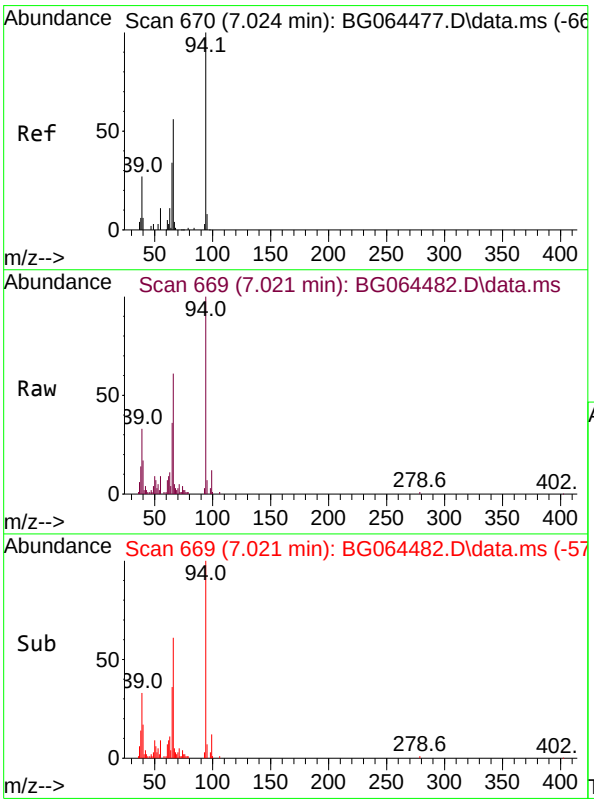
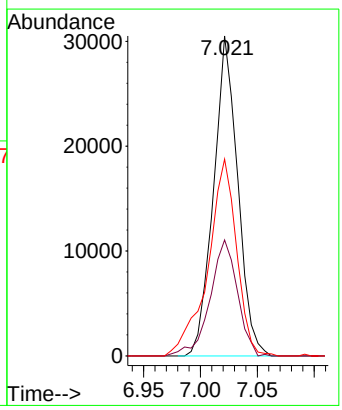
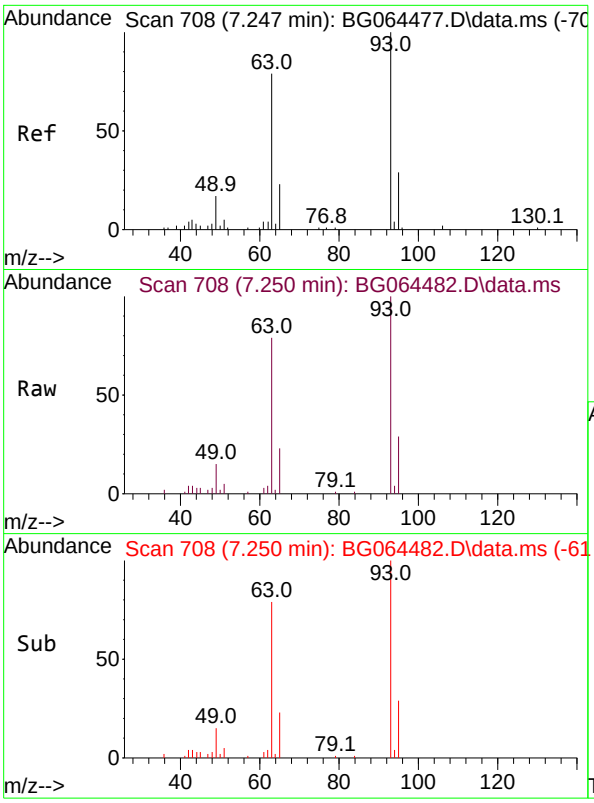


#10
Phenol
Concen: 38.413 ng
RT: 7.021 min Scan# 669
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

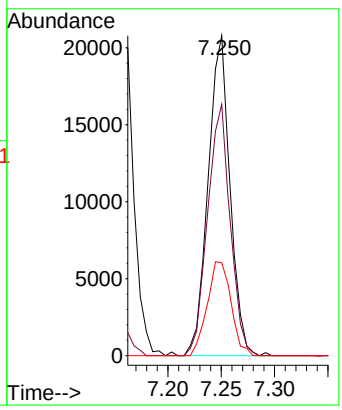




#11
bis(2-Chloroethyl)ether
Concen: 37.341 ng
RT: 7.250 min Scan# 7
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 93 Resp: 2967

Ion	Ratio	Lower	Upper
93	100		
63	78.5	59.5	99.5
95	29.0	8.8	48.8



Instrument :
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ClientSampleId :
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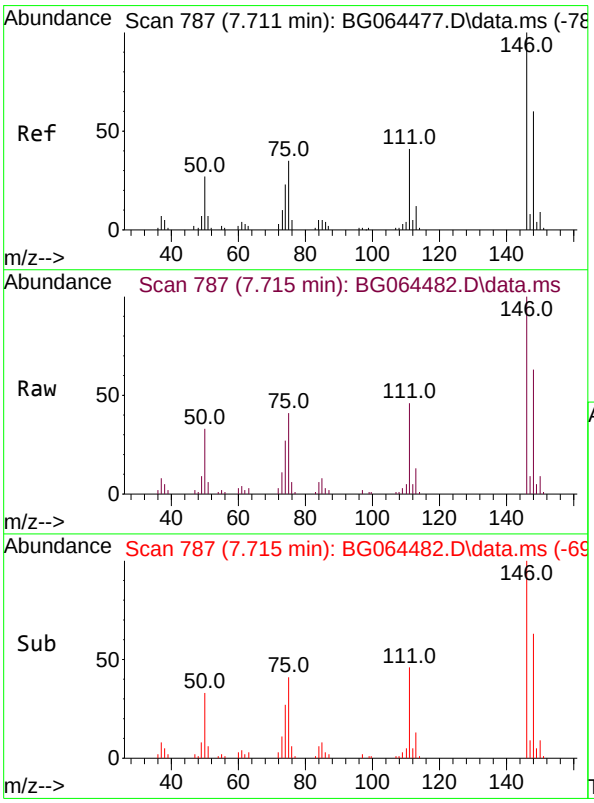
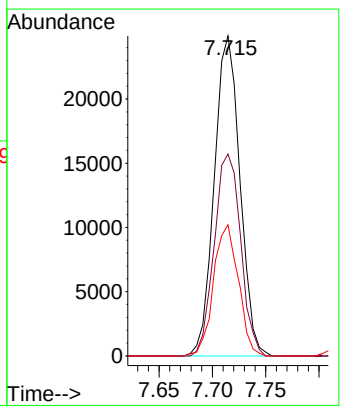
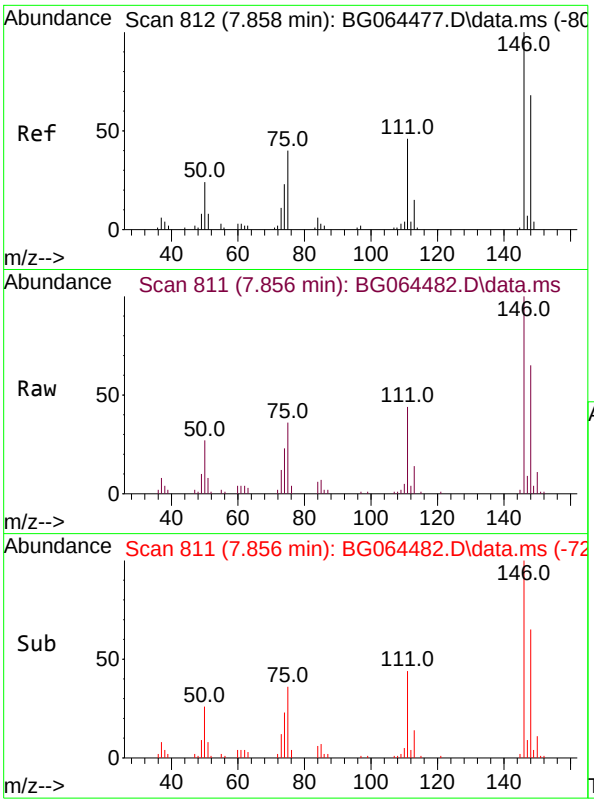


#12
1,3-Dichlorobenzene
Concen: 37.504 ng
RT: 7.715 min Scan# 787
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

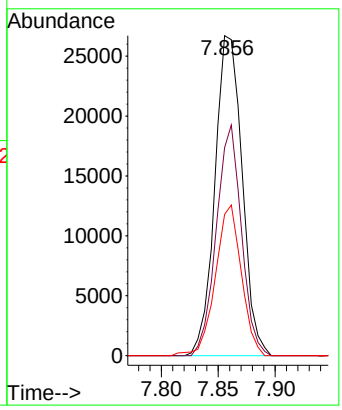




#13
1,4-Dichlorobenzene
Concen: 39.872 ng
RT: 7.856 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:146 Resp: 4449

Ion	Ratio	Lower	Upper
146	100		
148	65.0	54.4	81.6
111	44.1	36.5	54.7



Instrument :
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ClientSampleId :
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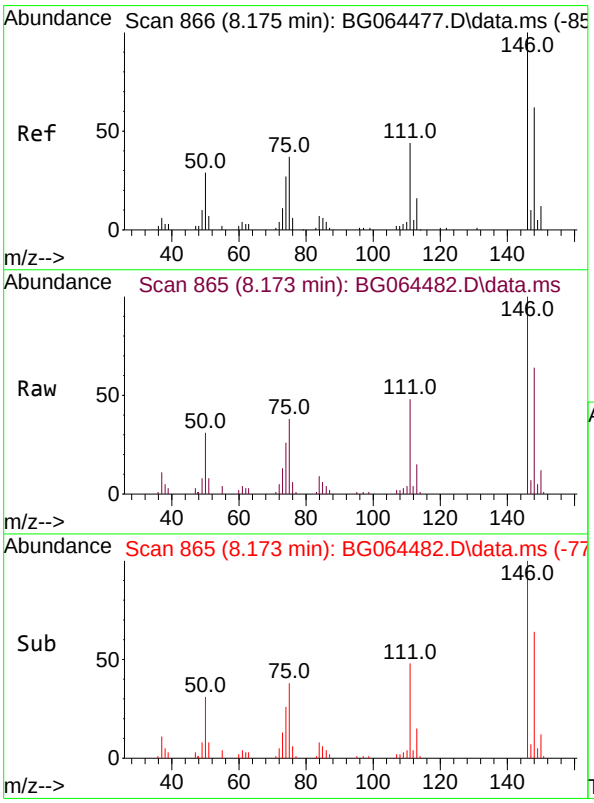
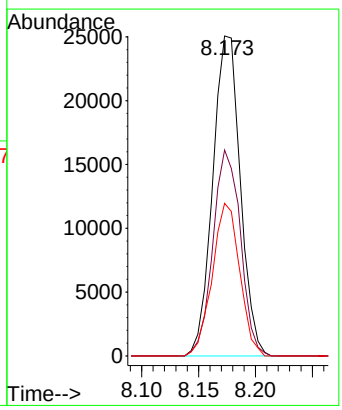
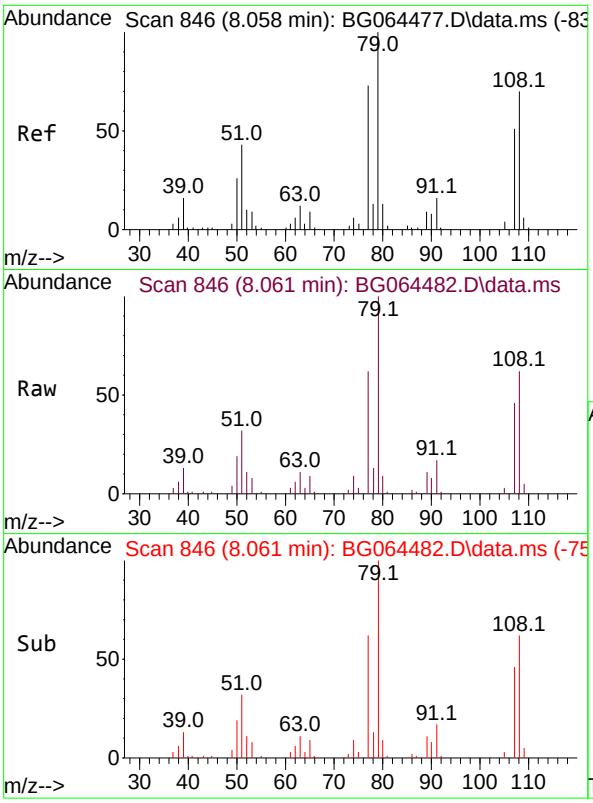


#14
1,2-Dichlorobenzene
Concen: 38.466 ng
RT: 8.173 min Scan# 865
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

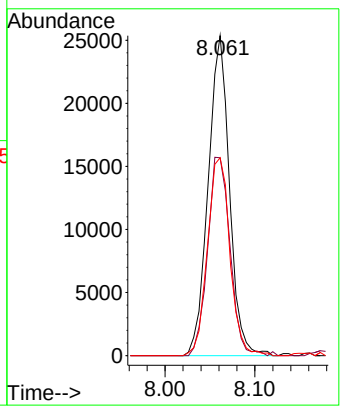




#15
Benzyl Alcohol
Concen: 40.756 ng
RT: 8.061 min Scan# 84
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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



Instrument :
BNA_G
ClientSampleId :
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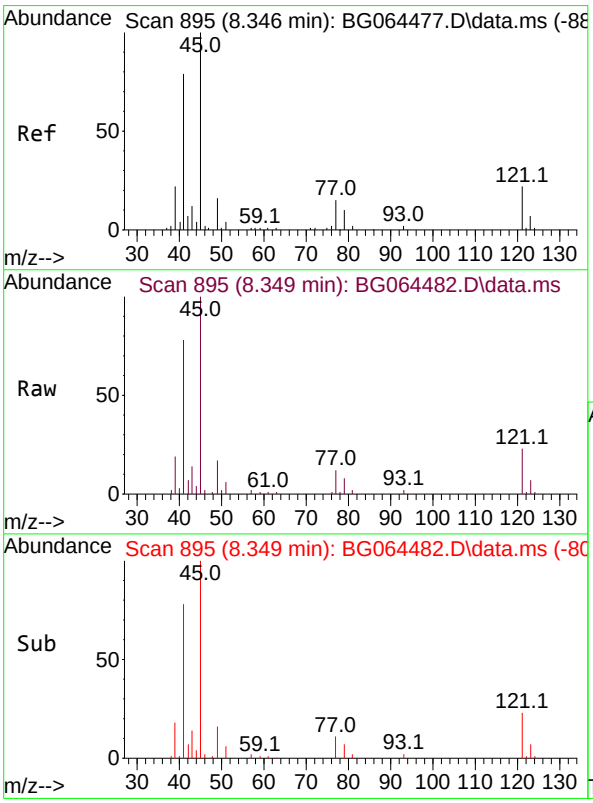
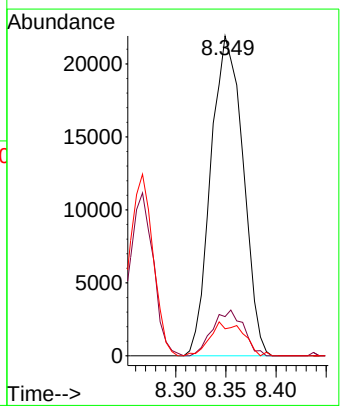
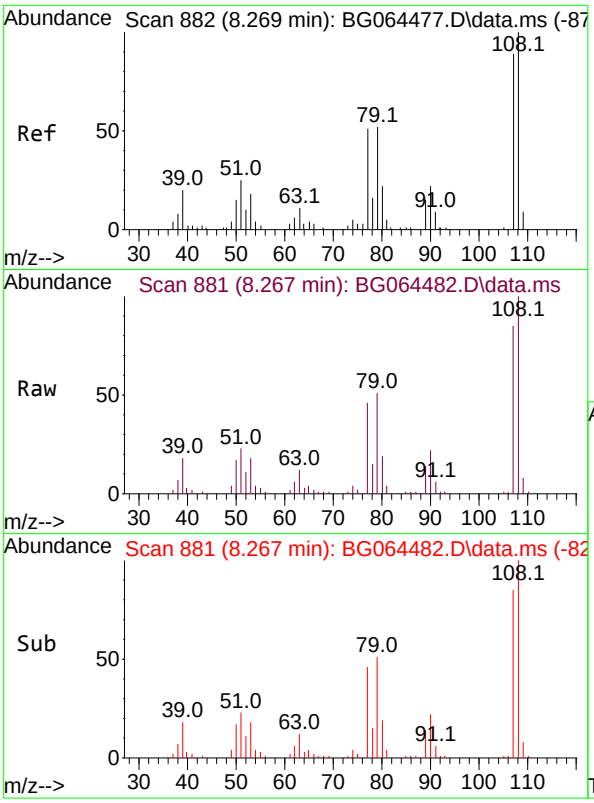


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.204 ng
RT: 8.349 min Scan# 895
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

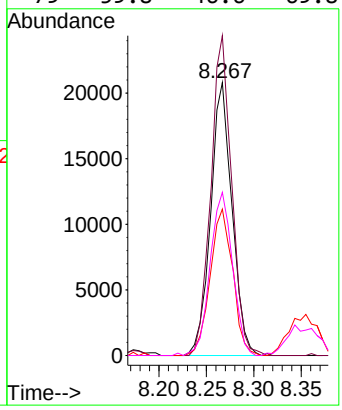




#17
2-Methylphenol
Concen: 38.553 ng
RT: 8.267 min Scan# 88
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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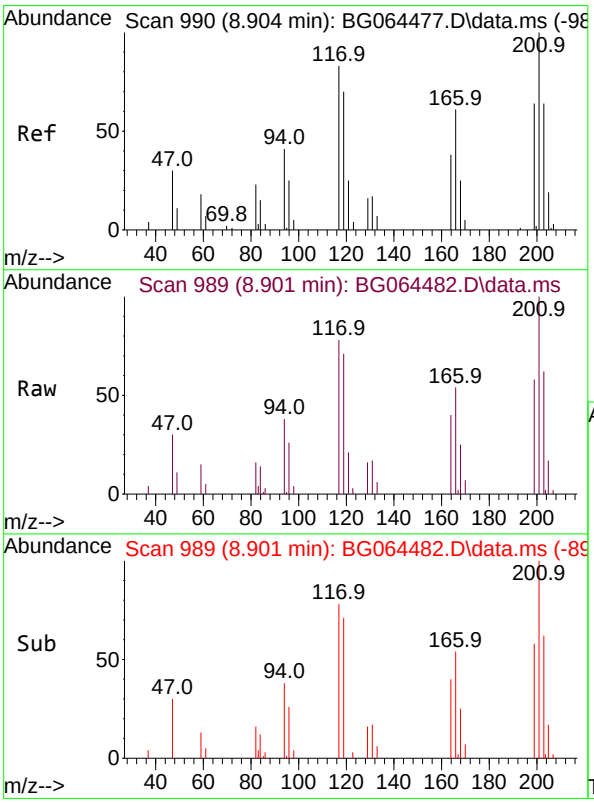
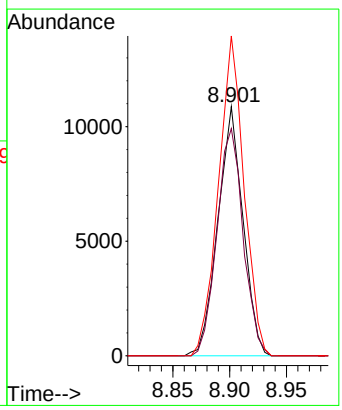
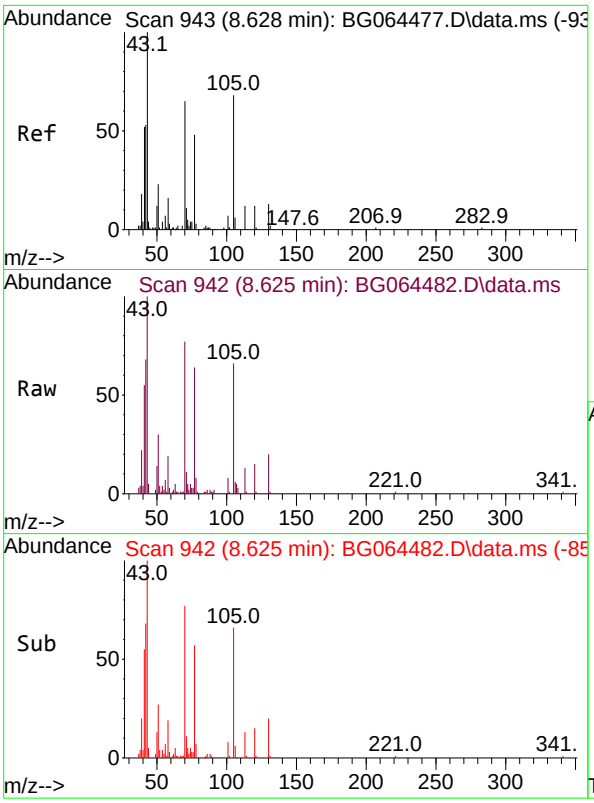


#18
Hexachloroethane
Concen: 37.877 ng
RT: 8.901 min Scan# 989
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

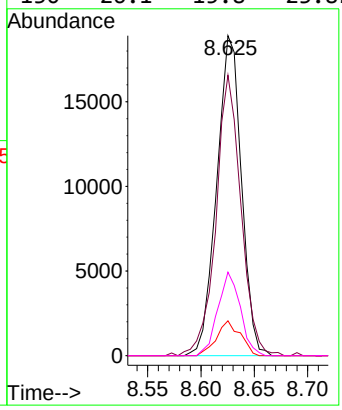




#19
n-Nitroso-di-n-propylamine
Concen: 40.984 ng
RT: 8.625 min Scan# 94
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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#



Instrument :
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ClientSampleId :
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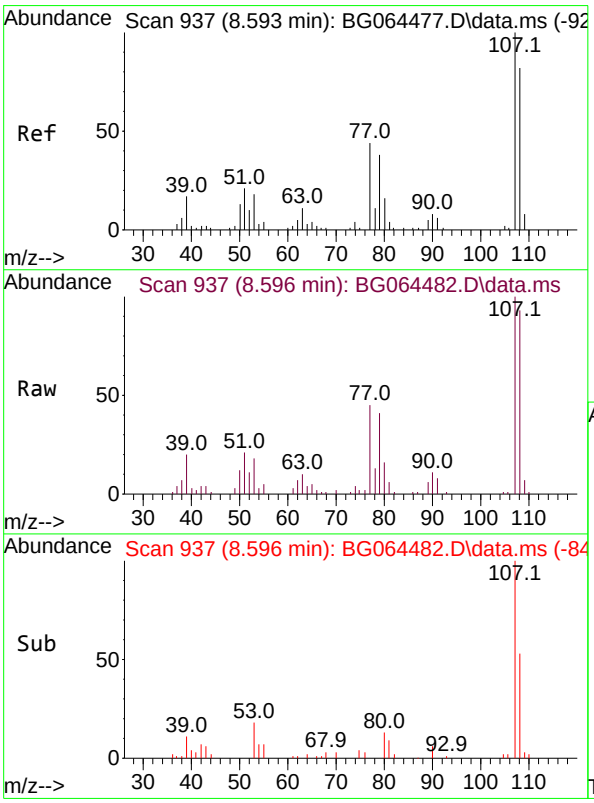
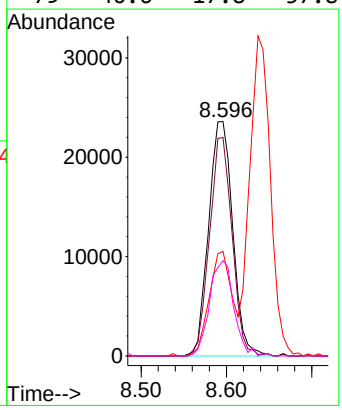
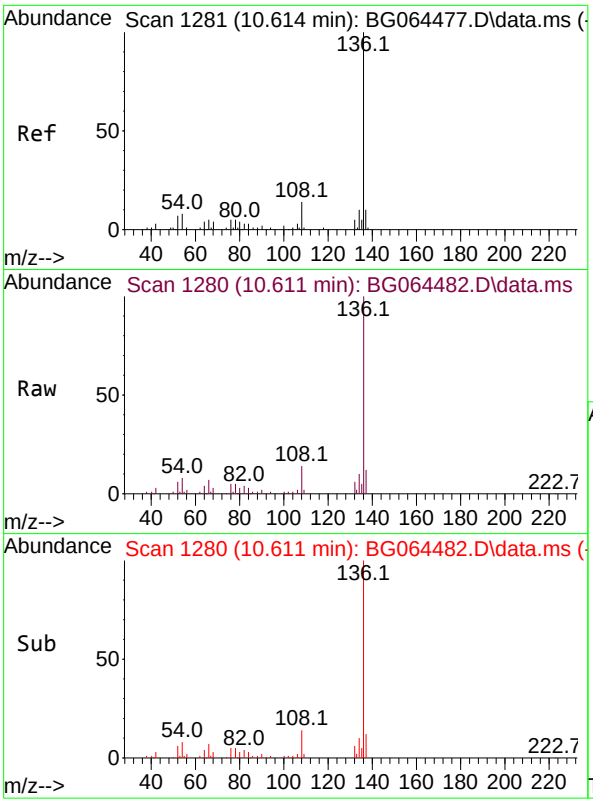


#20
3+4-Methylphenols
Concen: 38.893 ng
RT: 8.596 min Scan# 937
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

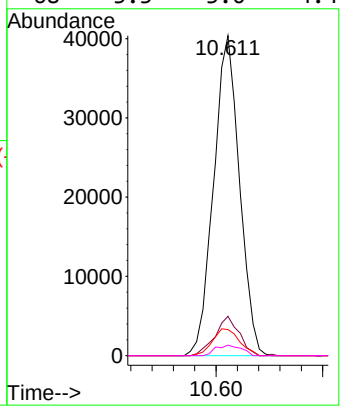




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:136 Resp: 6810

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



Instrument :
BNA_G
ClientSampleId :
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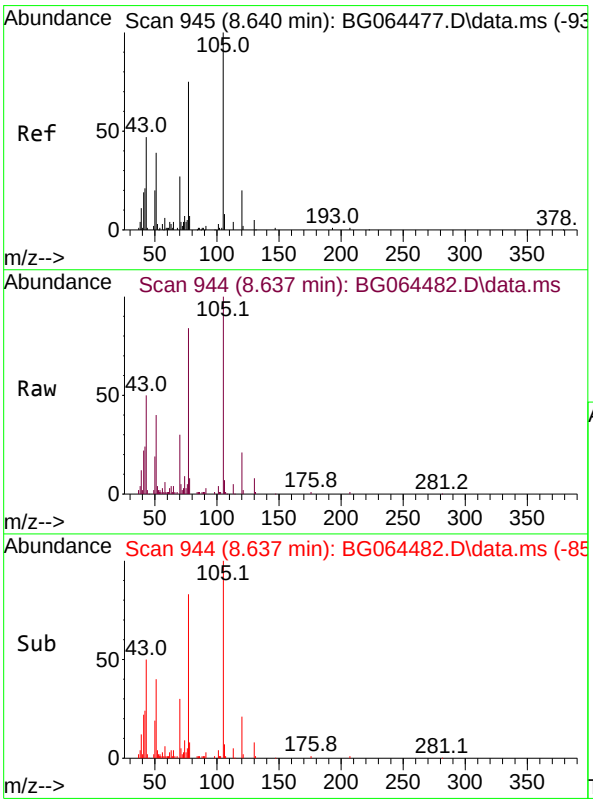
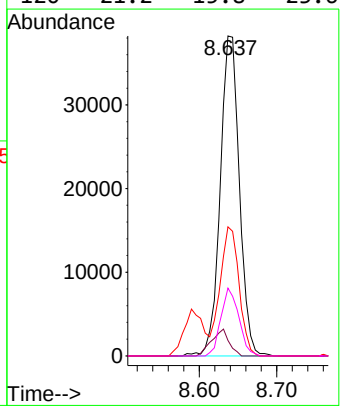
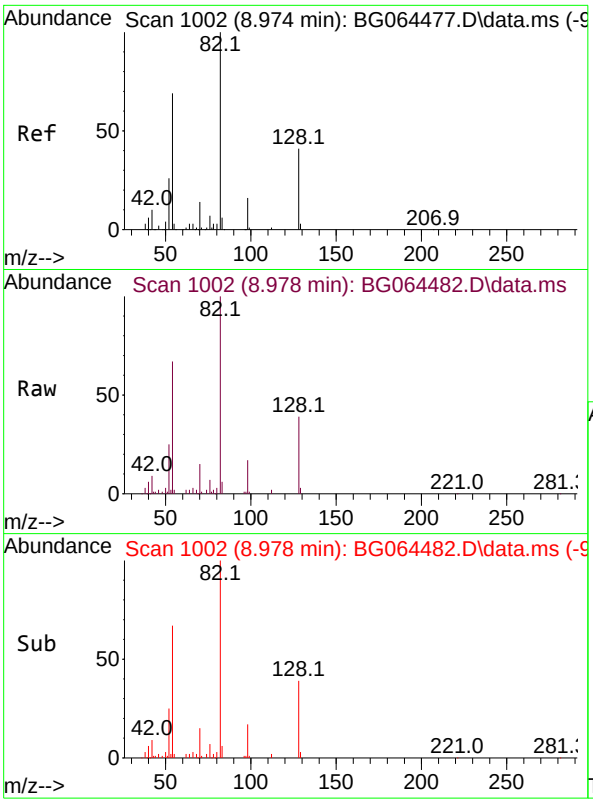


#22
Acetophenone
Concen: 39.906 ng
RT: 8.637 min Scan# 944
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:105 Resp: 65802

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

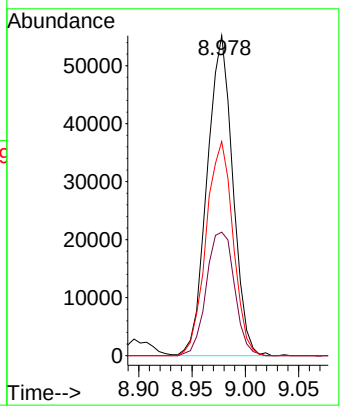




#23
Nitrobenzene-d5
Concen: 72.999 ng
RT: 8.978 min Scan# 1
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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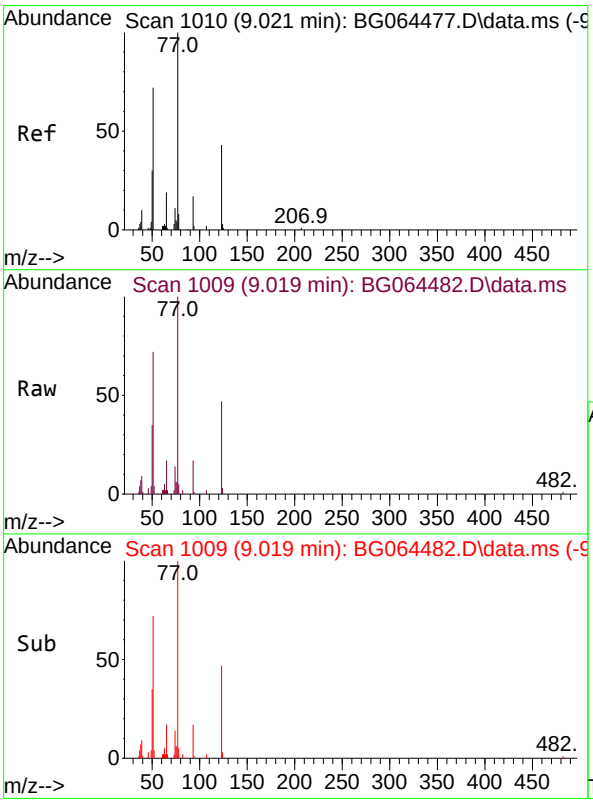
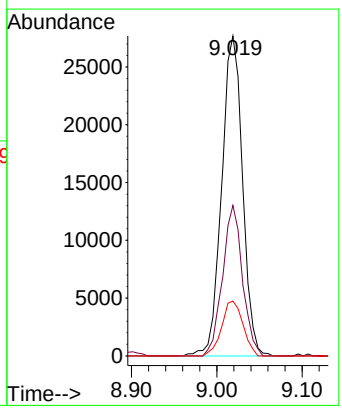
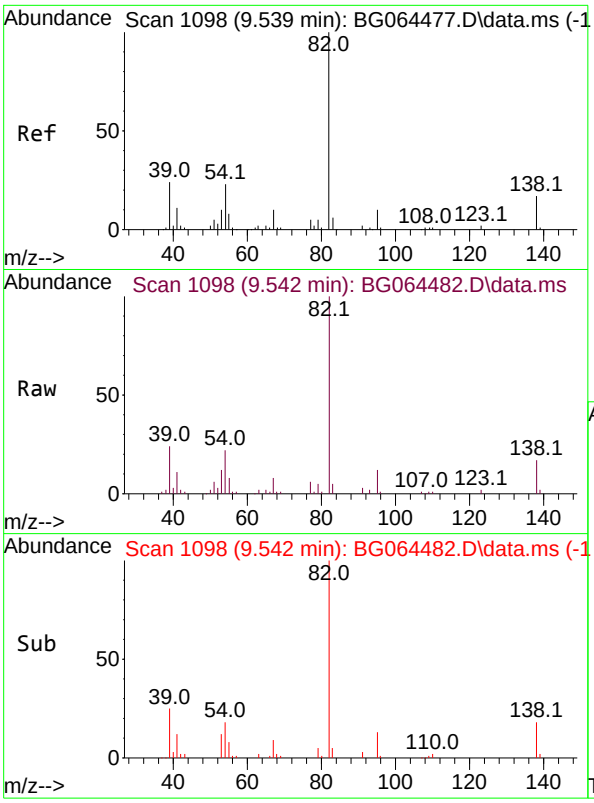


#24
Nitrobenzene
Concen: 37.170 ng
RT: 9.019 min Scan# 1009
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

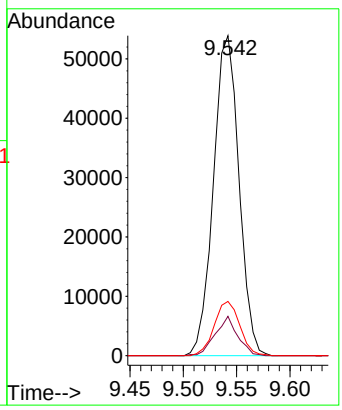




#25
Isophorone
Concen: 39.198 ng
RT: 9.542 min Scan# 1
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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



Instrument :
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ClientSampleId :
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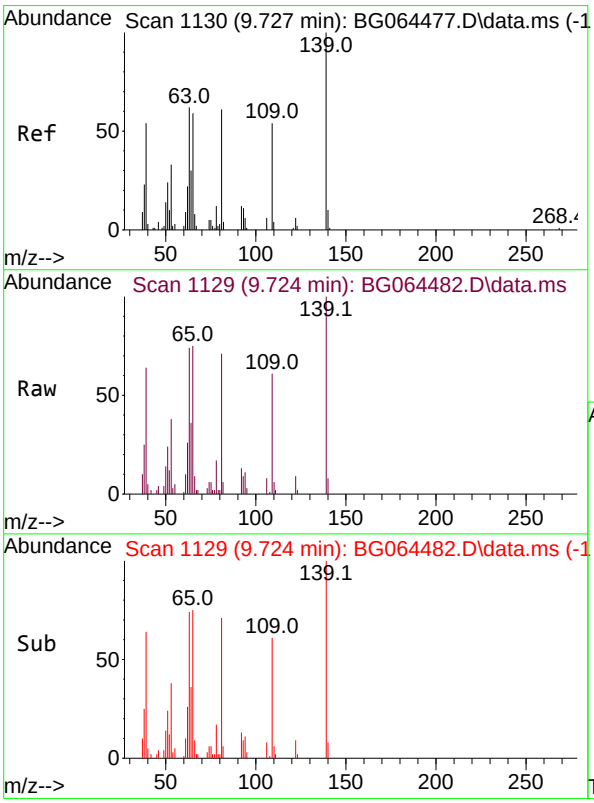
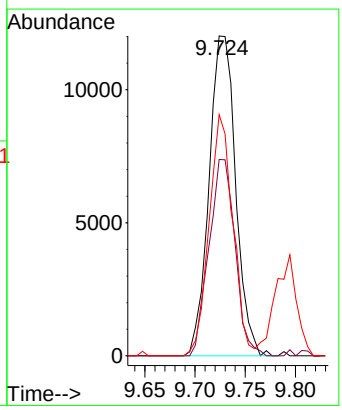
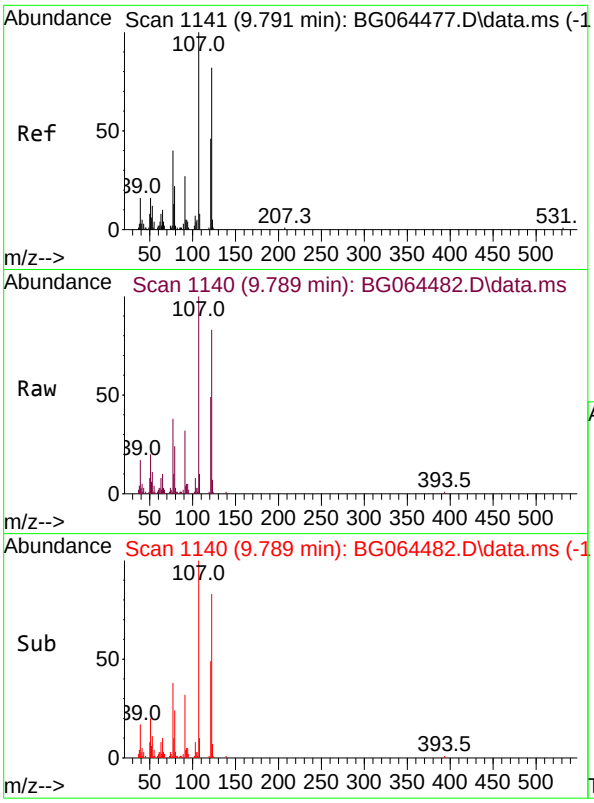


#26
2-Nitrophenol
Concen: 35.388 ng
RT: 9.724 min Scan# 1129
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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#

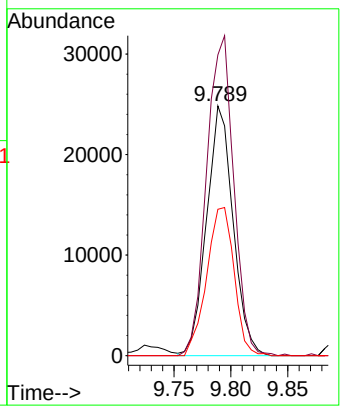




#27
2,4-Dimethylphenol
Concen: 41.959 ng
RT: 9.789 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:122 Resp: 4028

Ion	Ratio	Lower	Upper
122	100		
107	120.4	98.3	147.5
121	58.6	44.7	67.1



Instrument :
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ClientSampleId :
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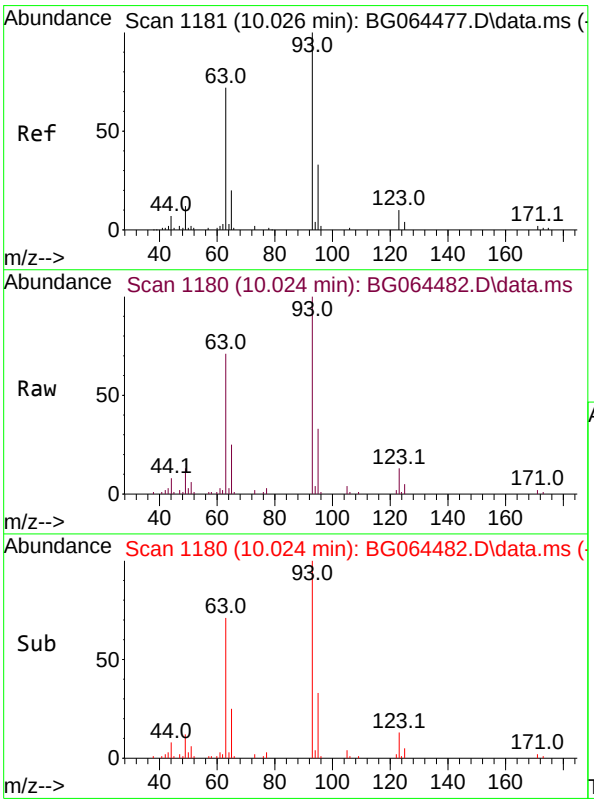
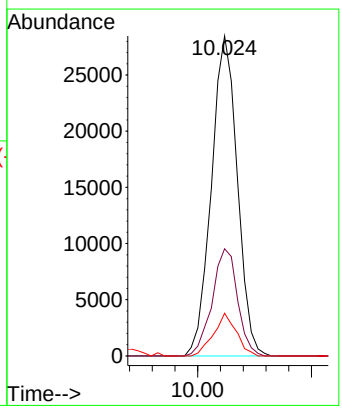
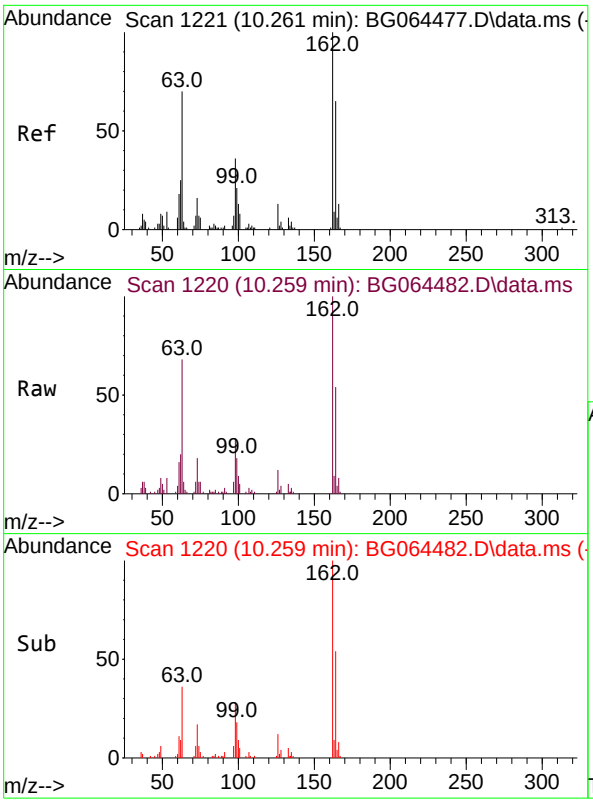


#28
bis(2-Chloroethoxy)methane
Concen: 38.540 ng
RT: 10.024 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

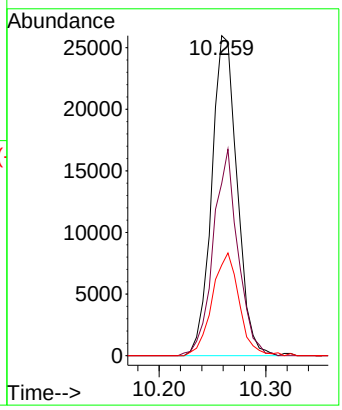




#29
2,4-Dichlorophenol
Concen: 38.857 ng
RT: 10.259 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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



Instrument :
BNA_G
ClientSampleId :
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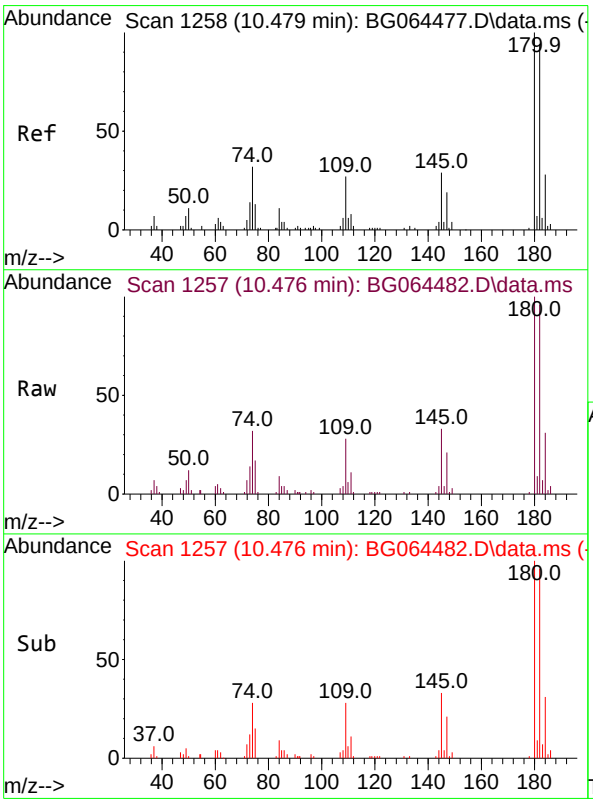
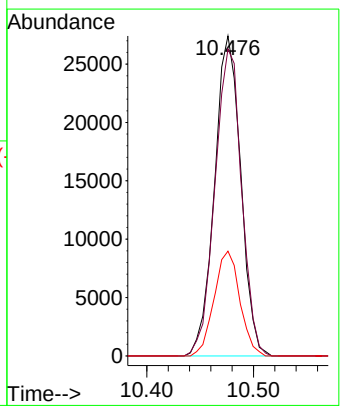
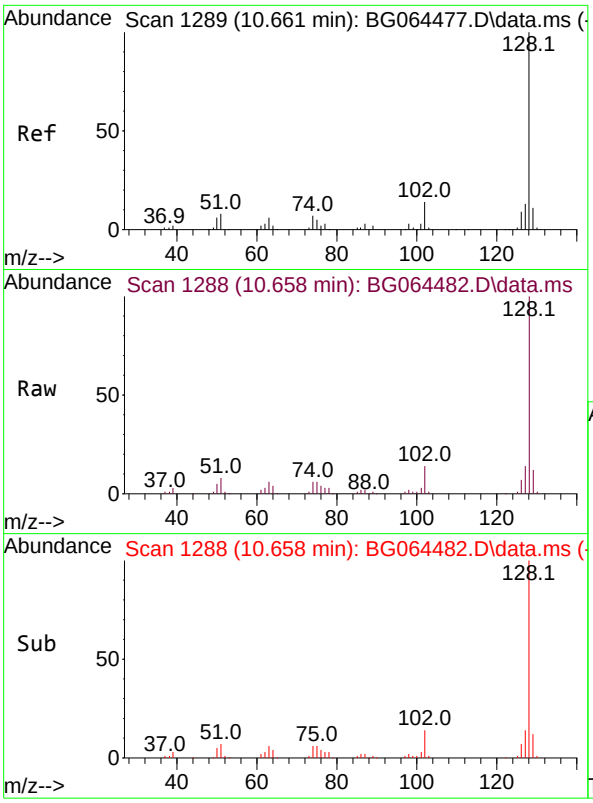


#30
1,2,4-Trichlorobenzene
Concen: 38.743 ng
RT: 10.476 min Scan# 1257
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

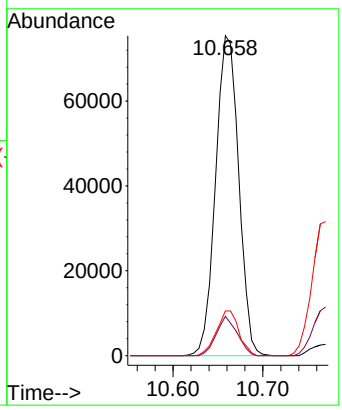




#31
Naphthalene
Concen: 38.491 ng
RT: 10.658 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:128 Resp: 13498

Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.7	13.1
127	14.0	10.2	15.2



Instrument :
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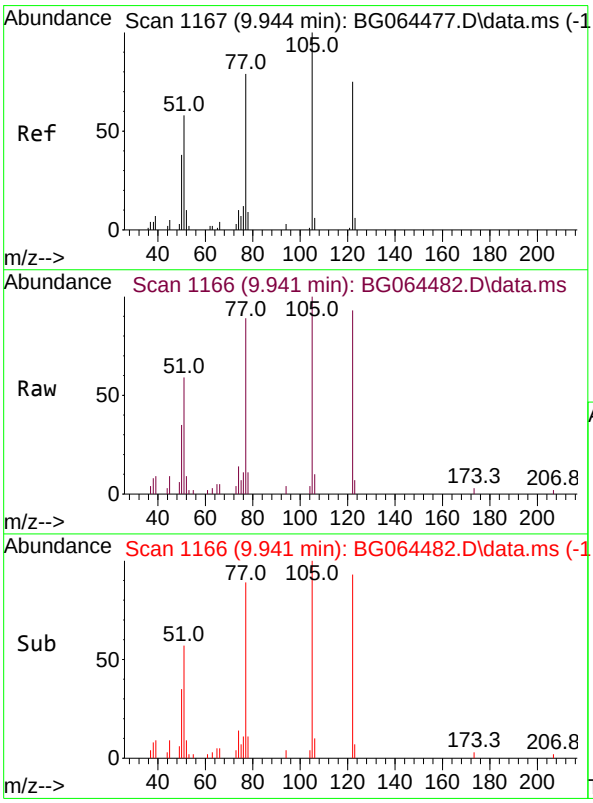
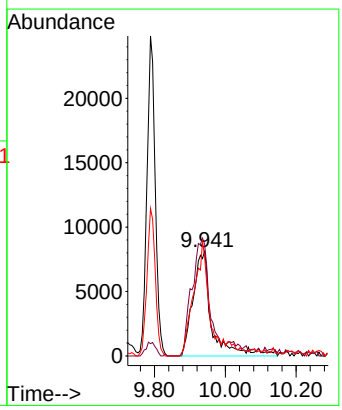
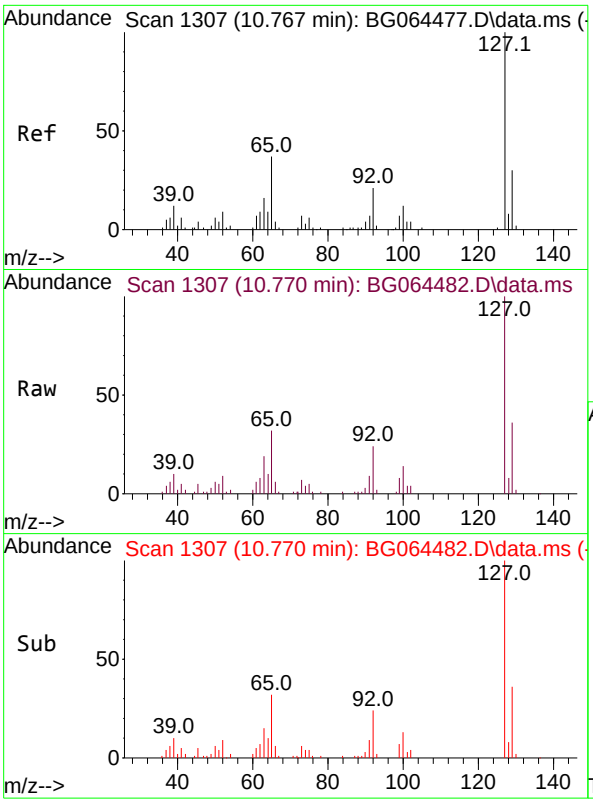


#32
Benzoic acid
Concen: 40.223 ng m
RT: 9.941 min Scan# 1166
Delta R.T. 0.053 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

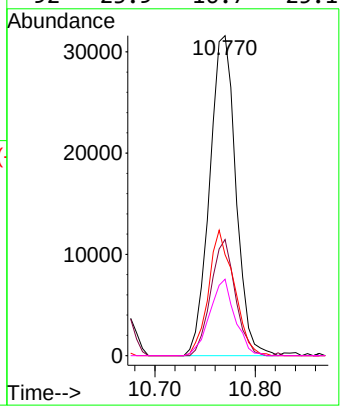




#33
4-Chloroaniline
Concen: 42.784 ng
RT: 10.770 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:127 Resp: 5757

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



Instrument :
BNA_G
ClientSampleId :
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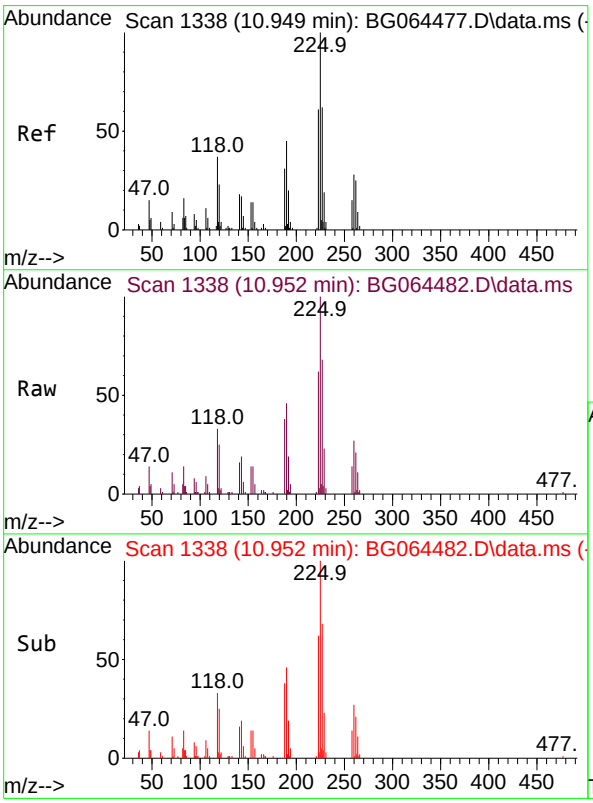
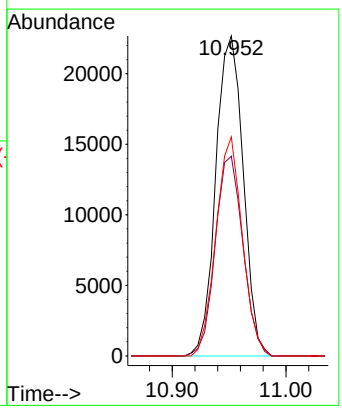
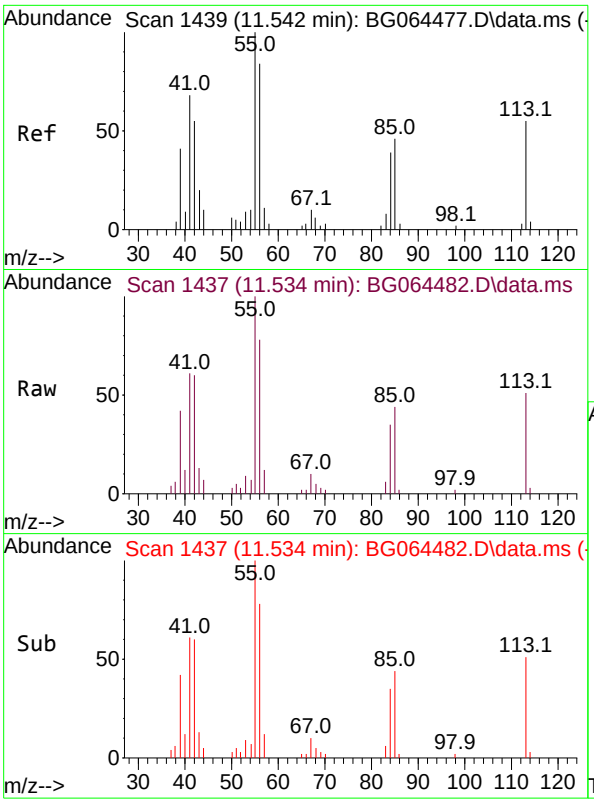


#34
Hexachlorobutadiene
Concen: 36.587 ng
RT: 10.952 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

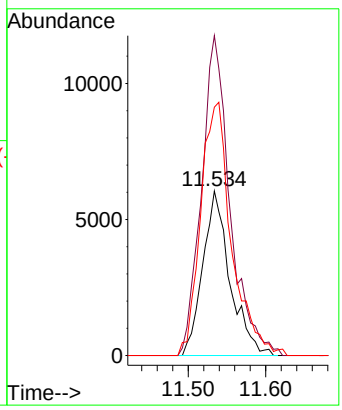




#35
Caprolactam
Concen: 38.812 ng
RT: 11.534 min Scan# 14
Delta R.T. 0.023 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:113 Resp: 1475

Ion	Ratio	Lower	Upper
113	100		
55	194.4	162.0	202.0
56	150.9	134.6	174.6



Instrument :
BNA_G
ClientSampleId :
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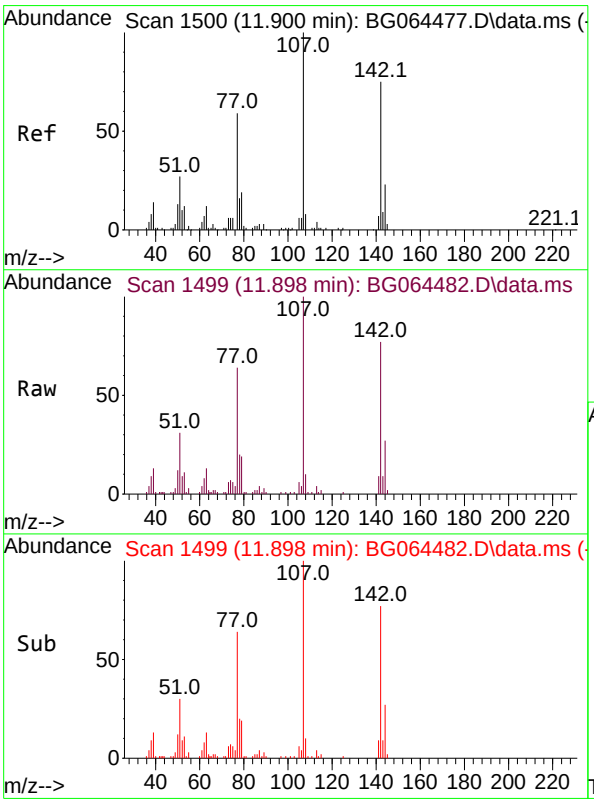
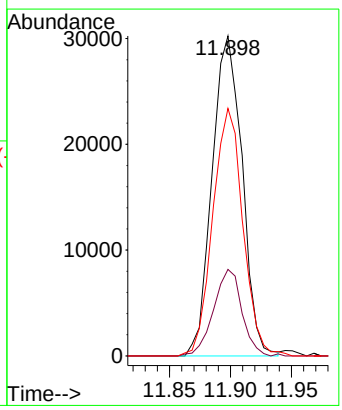
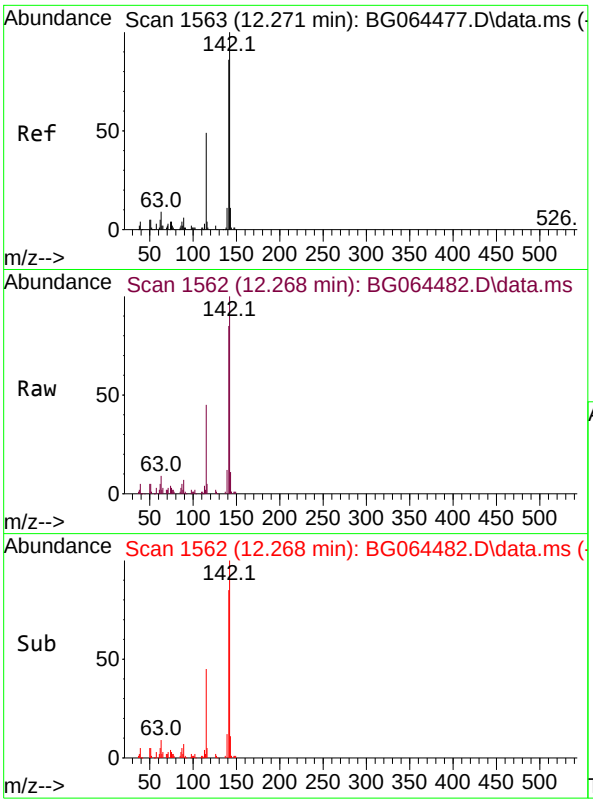


#36
4-Chloro-3-methylphenol
Concen: 38.389 ng
RT: 11.898 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

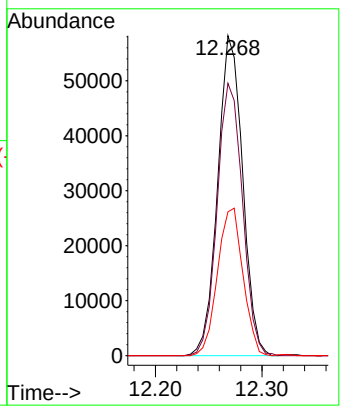




#37
2-Methylnaphthalene
Concen: 35.191 ng
RT: 12.268 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:142 Resp: 9473

Ion	Ratio	Lower	Upper
142	100		
141	85.1	68.7	103.1
115	44.9	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
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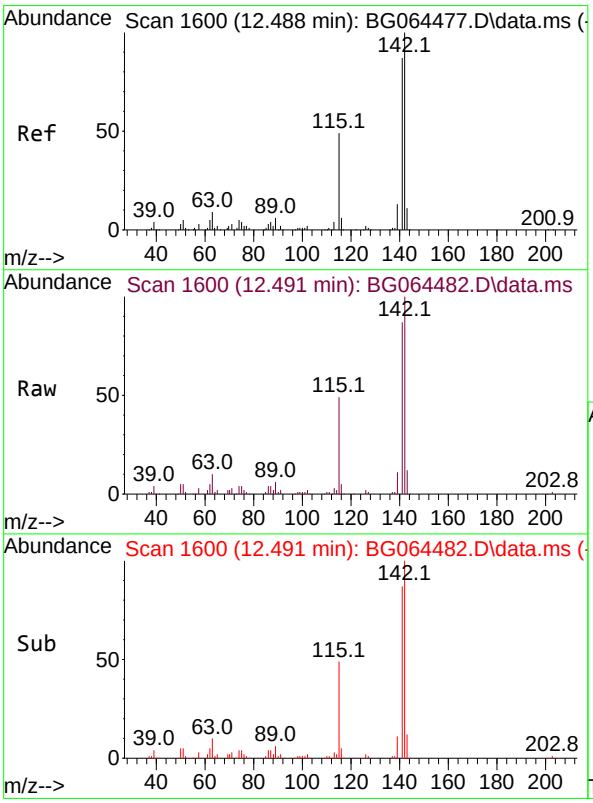
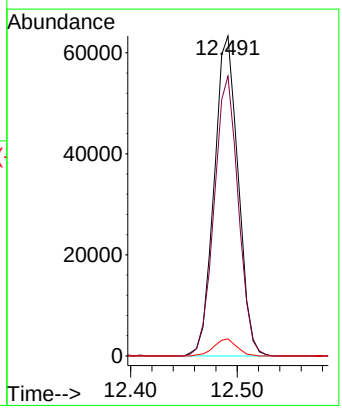
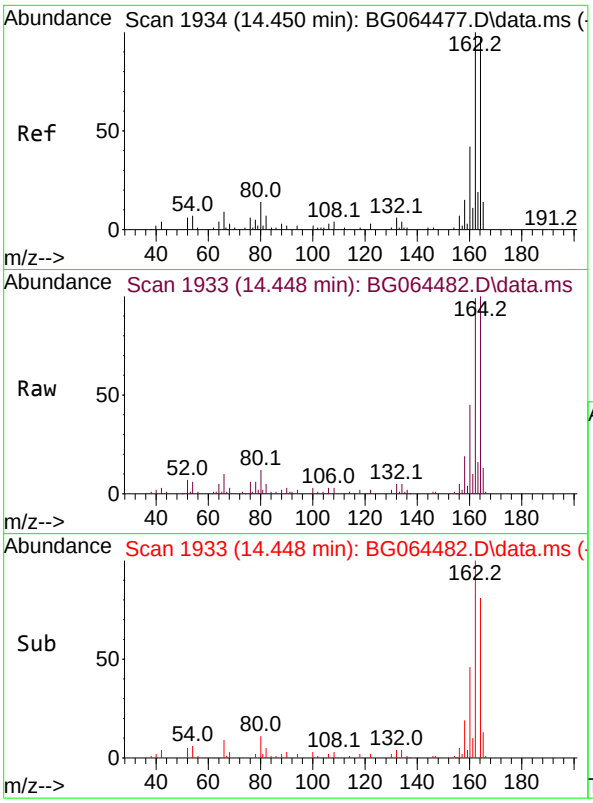


#38
1-Methylnaphthalene
Concen: 36.933 ng
RT: 12.491 min Scan# 1600
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

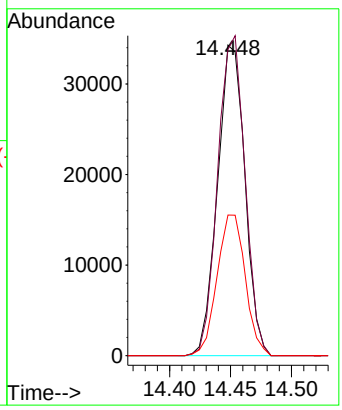




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.448 min Scan# 19
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:164 Resp: 5370

Ion	Ratio	Lower	Upper
164	100		
162	98.6	82.2	123.2
160	45.3	34.3	51.5



Instrument :
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ClientSampleId :
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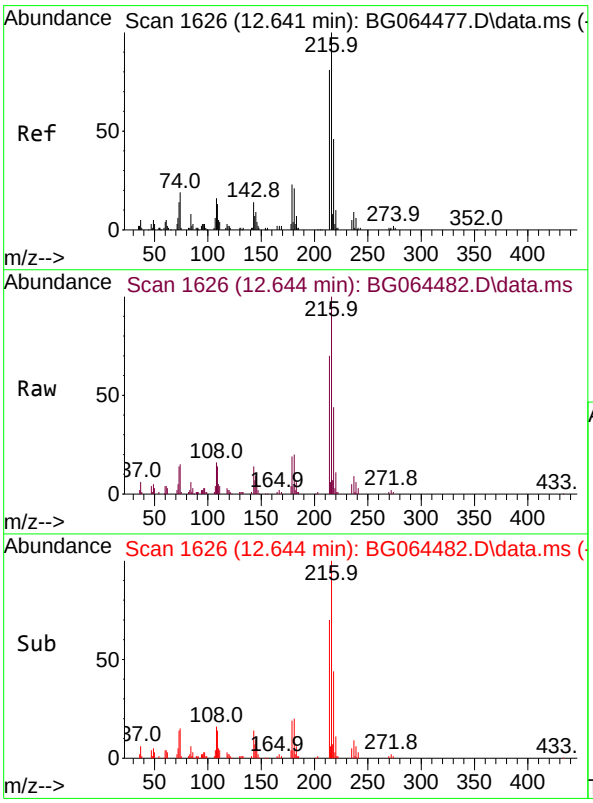
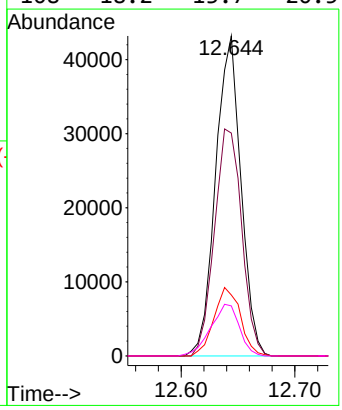
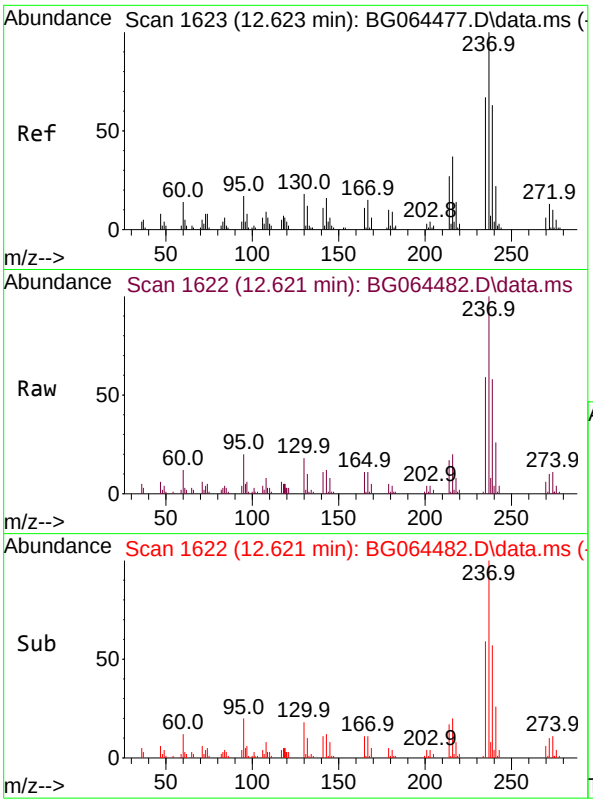


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.511 ng
RT: 12.644 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

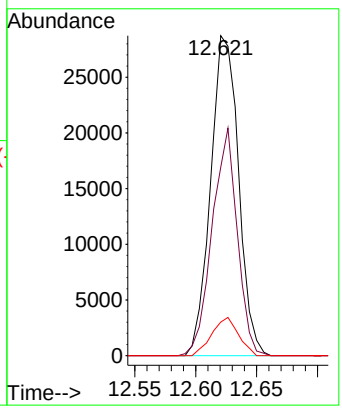




#41
Hexachlorocyclopentadiene
Concen: 50.483 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:237 Resp: 4579

Ion	Ratio	Lower	Upper
237	100		
235	58.9	46.9	86.9
272	10.5	0.0	32.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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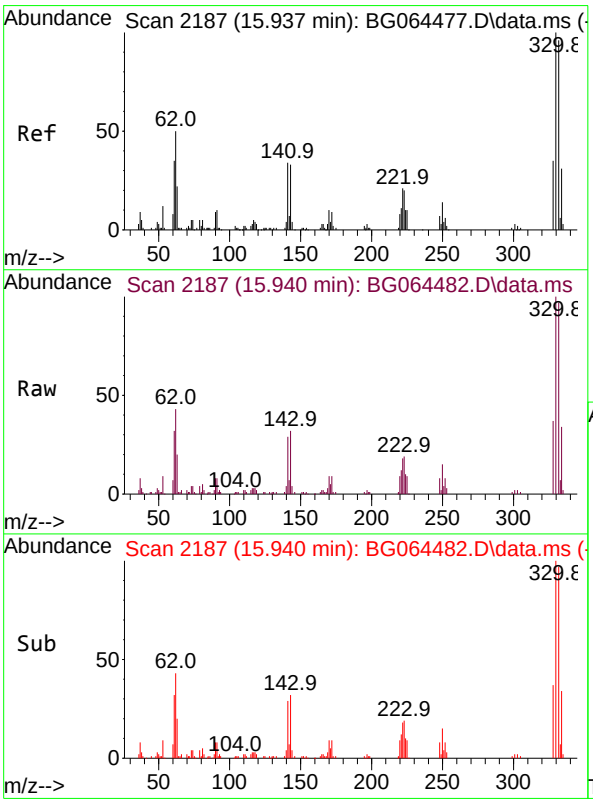
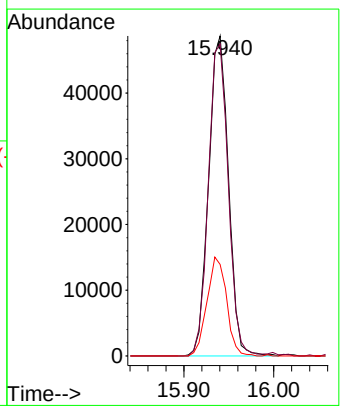
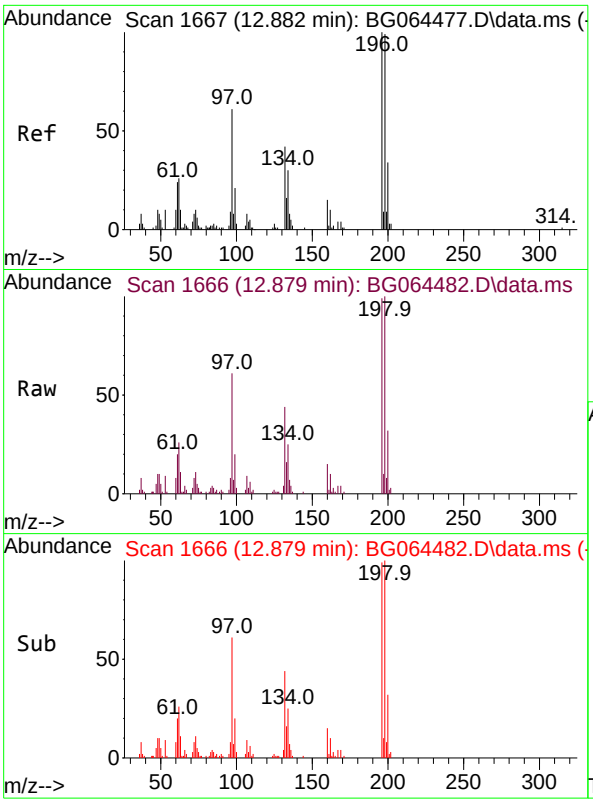


#42
2,4,6-Tribromophenol
Concen: 76.705 ng
RT: 15.940 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

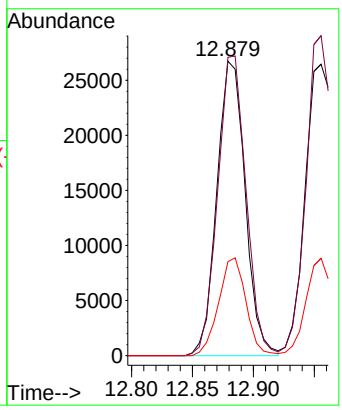




#43
2,4,6-Trichlorophenol
Concen: 39.030 ng
RT: 12.879 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:196 Resp: 4326

Ion	Ratio	Lower	Upper
196	100		
198	101.3	79.3	118.9
200	31.9	27.4	41.2



Instrument :
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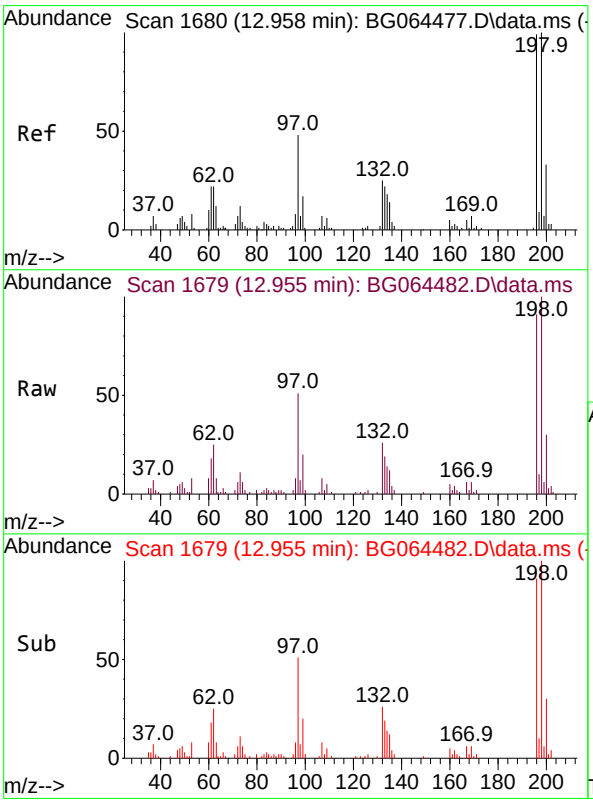
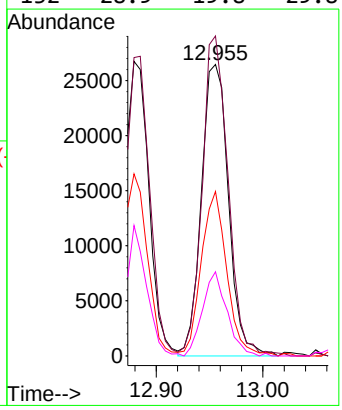
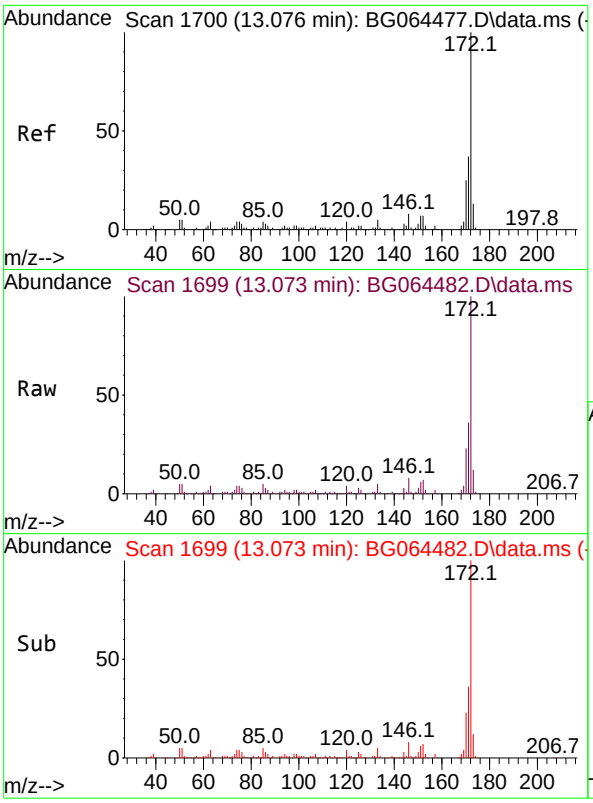


#44
2,4,5-Trichlorophenol
Concen: 37.827 ng
RT: 12.955 min Scan# 1679
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

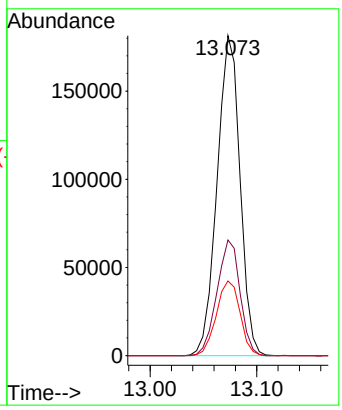




#45
2-Fluorobiphenyl
Concen: 74.539 ng
RT: 13.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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



Instrument :
BNA_G
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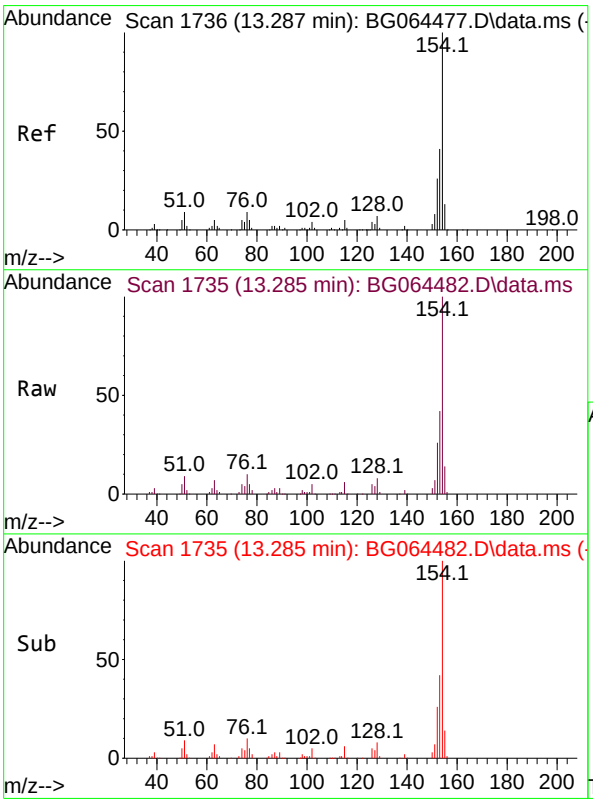
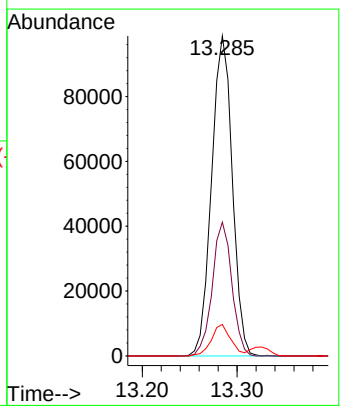
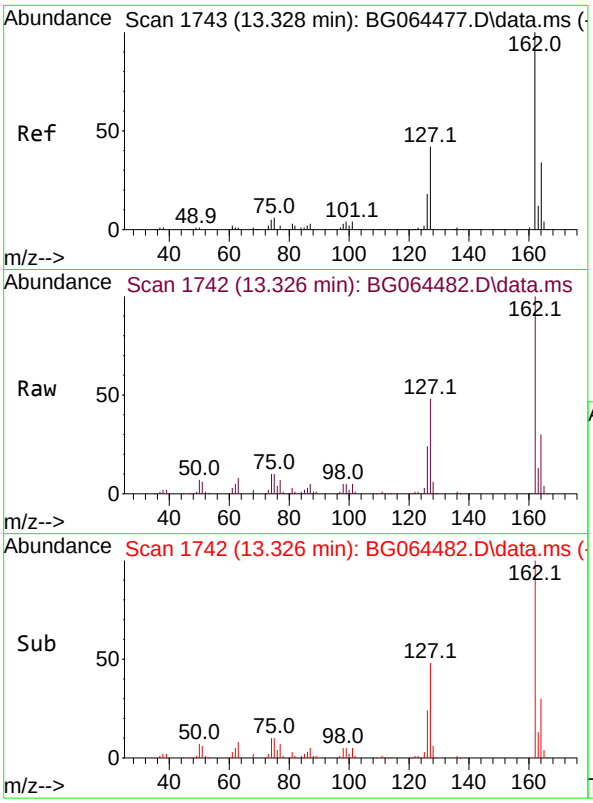


#46
1,1'-Biphenyl
Concen: 38.735 ng
RT: 13.285 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

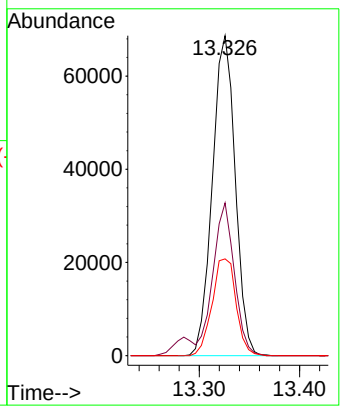




#47
2-Chloronaphthalene
Concen: 37.716 ng
RT: 13.326 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:162 Resp: 10876

Ion	Ratio	Lower	Upper
162	100		
127	47.7	35.8	53.8
164	30.2	27.2	40.8



Instrument :
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ClientSampleId :
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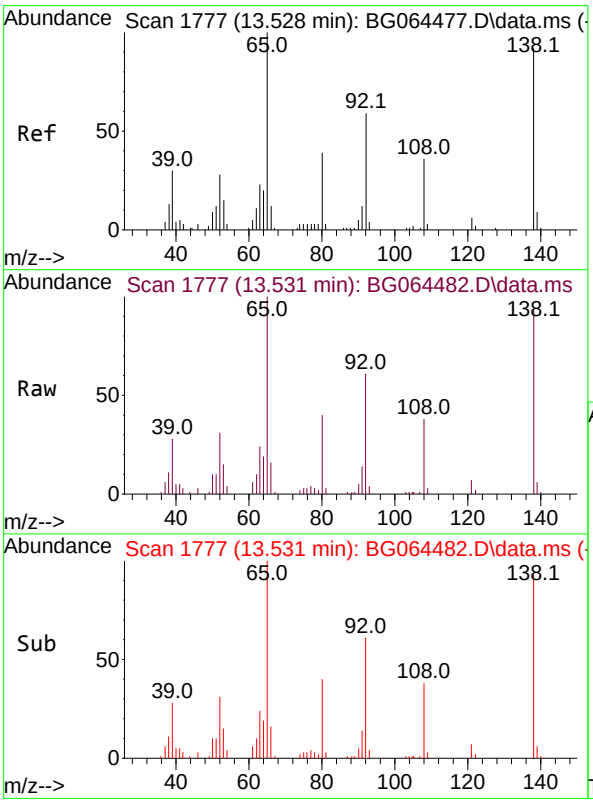
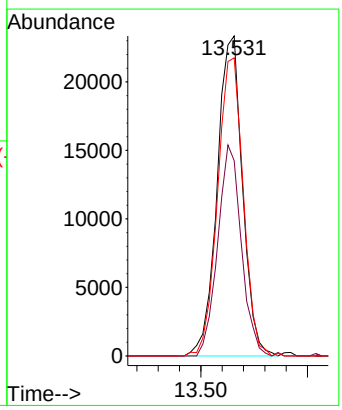
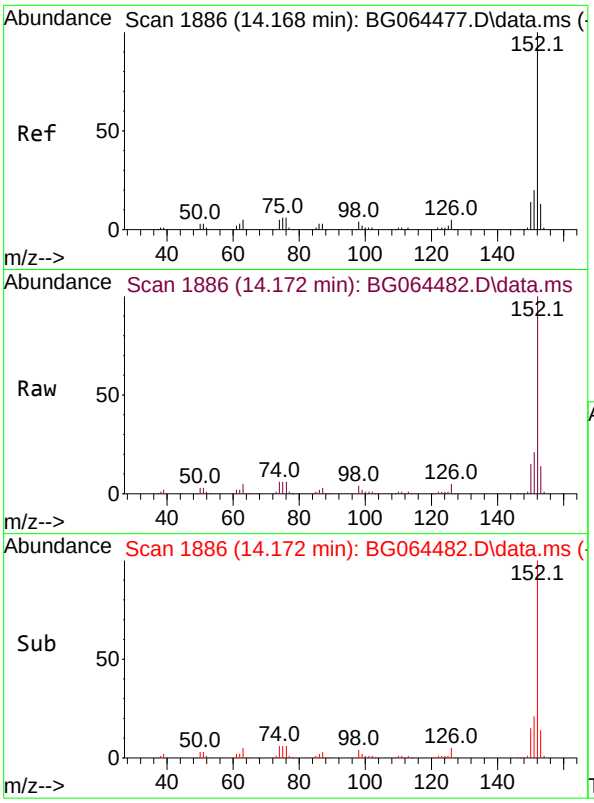


#48
2-Nitroaniline
Concen: 39.151 ng
RT: 13.531 min Scan# 1777
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

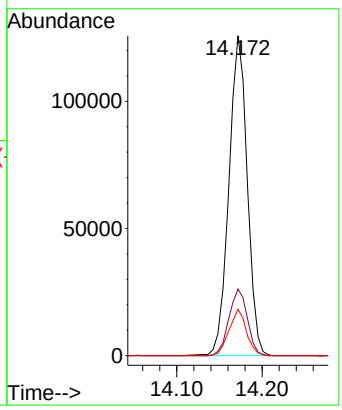




#49
Acenaphthylene
Concen: 43.842 ng
RT: 14.172 min Scan# 18
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:152 Resp: 18768

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.8	23.6
153	14.5	10.6	15.8



Instrument :
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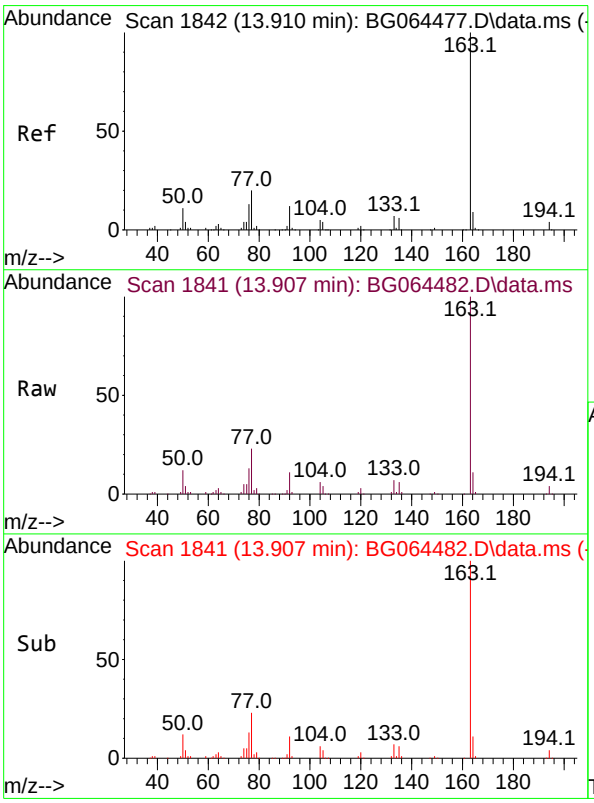
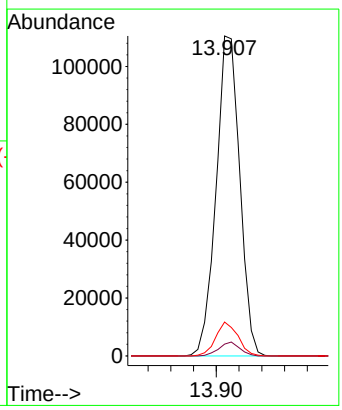
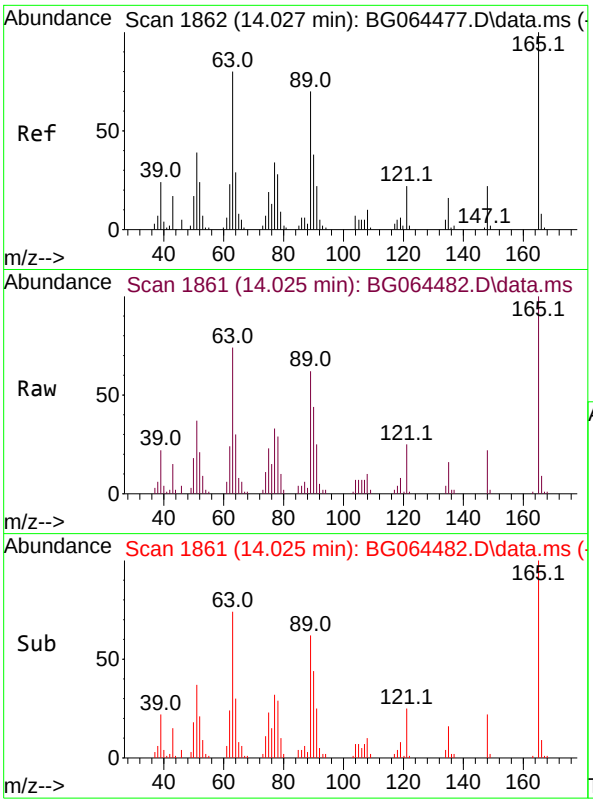


#50
Dimethylphthalate
Concen: 37.903 ng
RT: 13.907 min Scan# 1841
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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# 18
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:165 Resp: 3394

Ion	Ratio	Lower	Upper
165	100		
63	74.3	63.9	95.9
89	62.3	56.1	84.1

Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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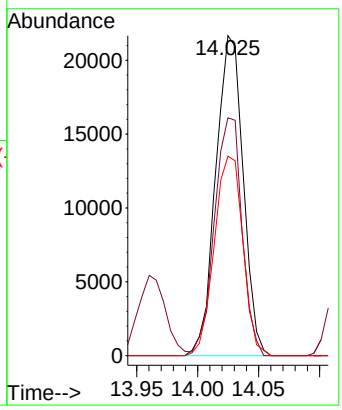
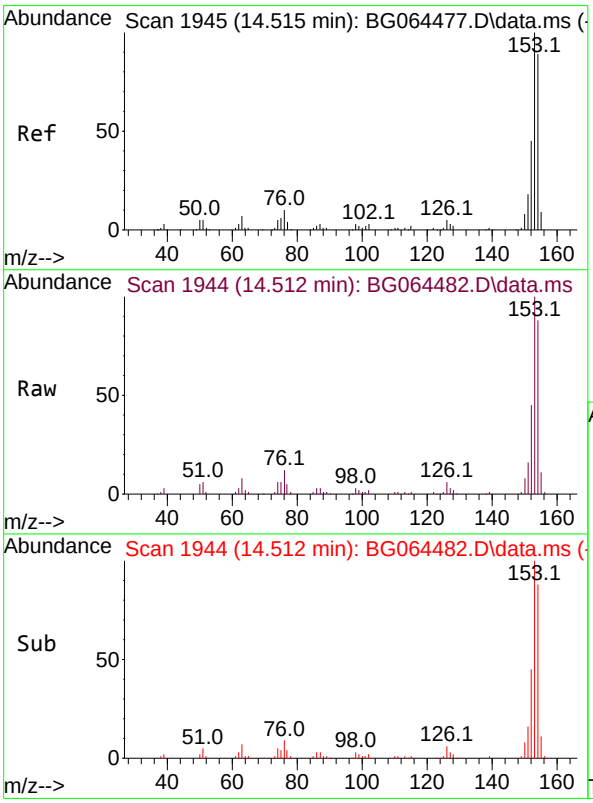
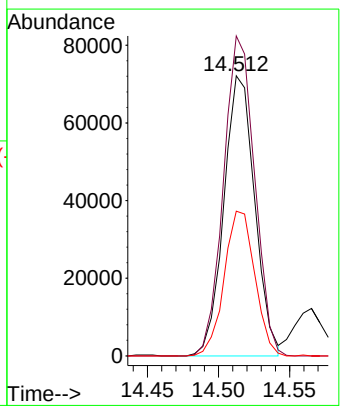


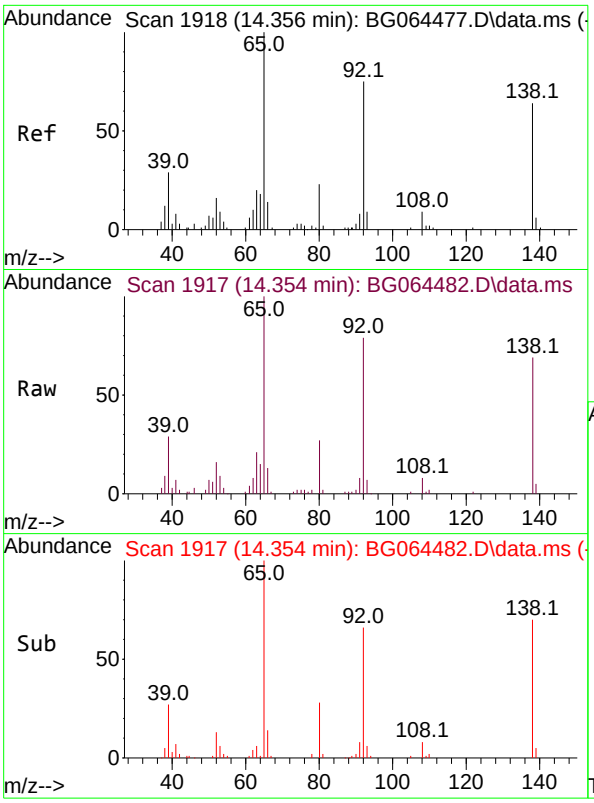


#52
Acenaphthene
Concen: 36.666 ng
RT: 14.512 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

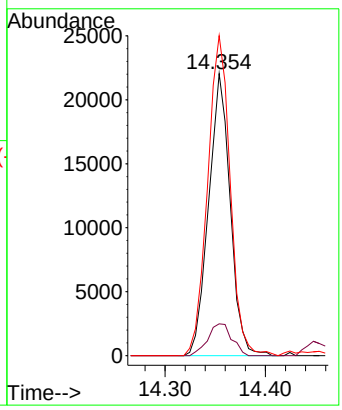




#53
3-Nitroaniline
Concen: 40.727 ng
RT: 14.354 min Scan# 19
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:138 Resp: 3291

Ion	Ratio	Lower	Upper
138	100		
108	11.2	10.6	15.8
92	113.5	93.2	139.8



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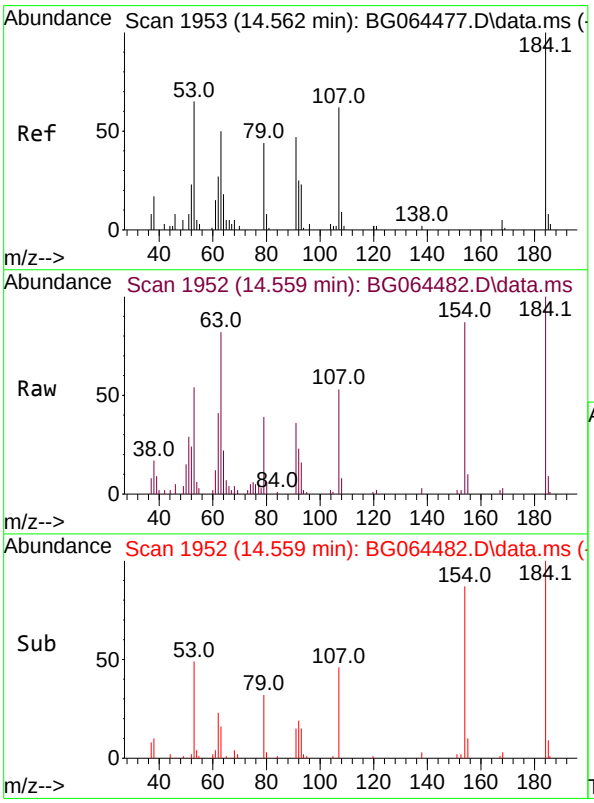
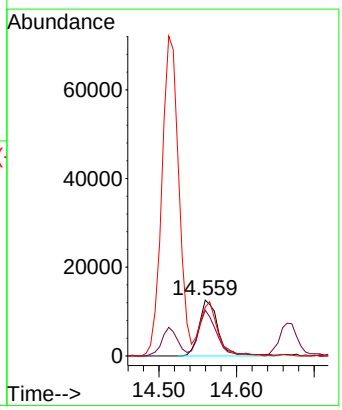
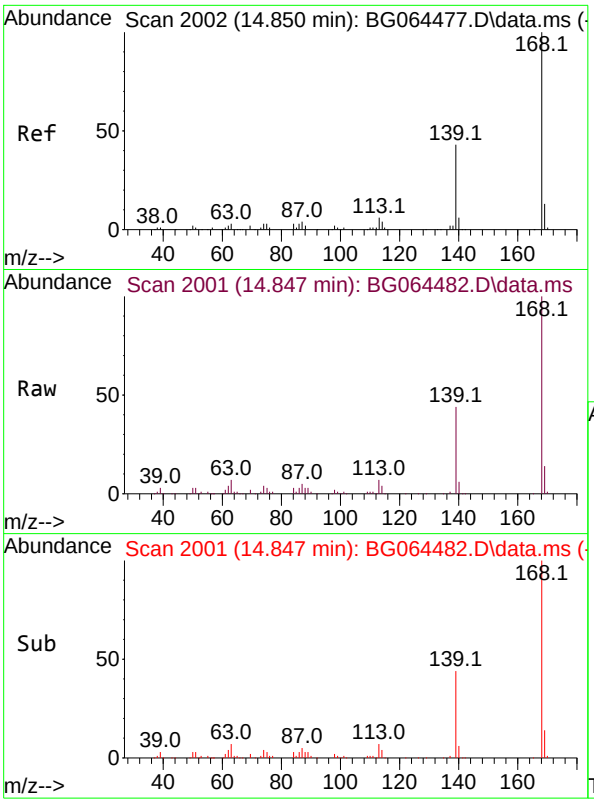


#54
2,4-Dinitrophenol
Concen: 33.540 ng
RT: 14.559 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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#

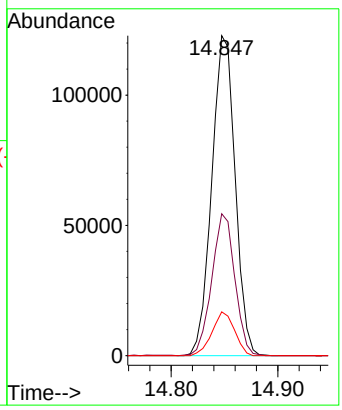




#55
Dibenzofuran
Concen: 38.141 ng
RT: 14.847 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:168 Resp: 18730

Ion	Ratio	Lower	Upper
168	100		
139	44.3	34.0	51.0
169	13.7	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
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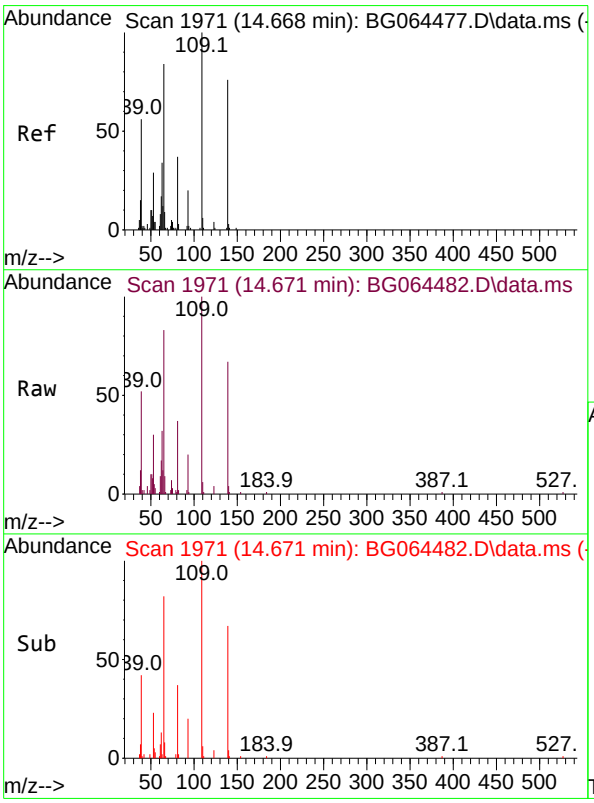
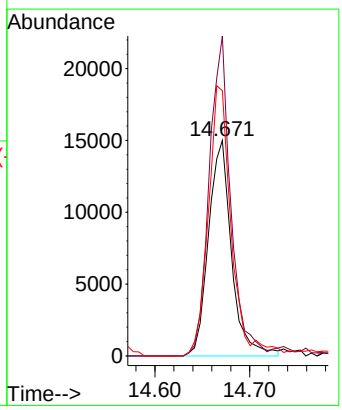
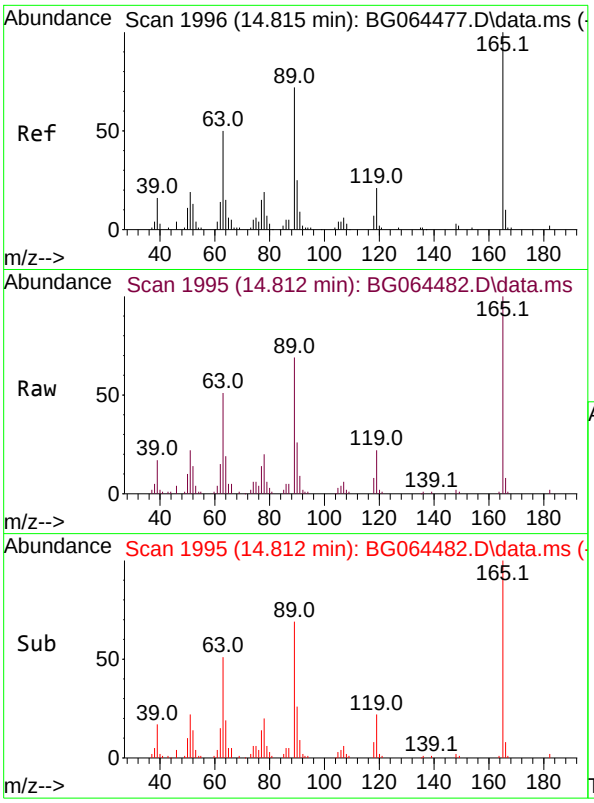


#56
4-Nitrophenol
Concen: 39.712 ng
RT: 14.671 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

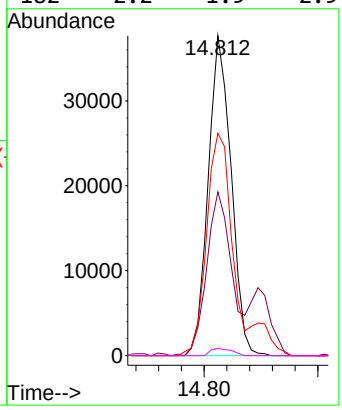




#57
2,4-Dinitrotoluene
Concen: 39.388 ng
RT: 14.812 min Scan# 19
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:165 Resp: 5275

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



Instrument :
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ClientSampleId :
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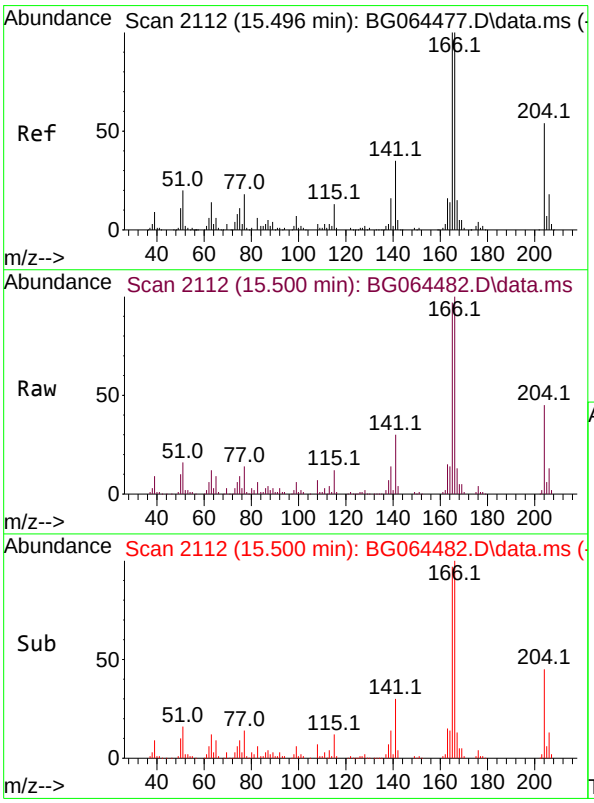
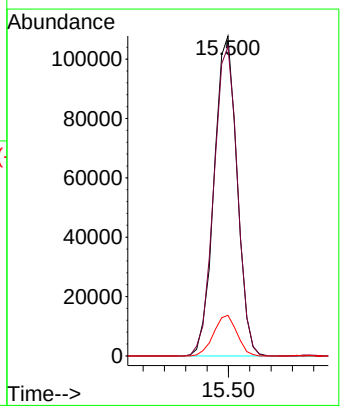
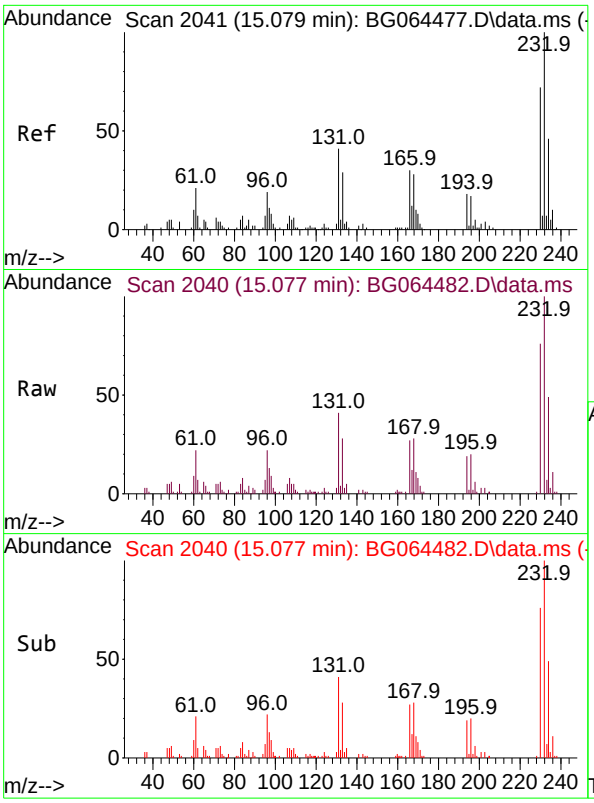


#58
Fluorene
Concen: 39.456 ng
RT: 15.500 min Scan# 2112
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

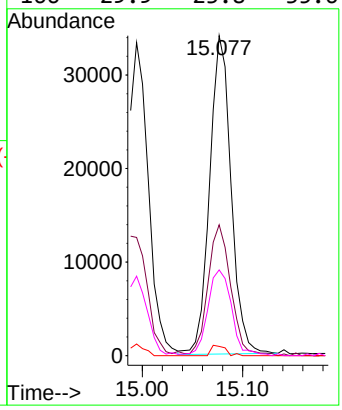




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.021 ng
RT: 15.077 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:232 Resp: 5054

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



Instrument :
BNA_G
ClientSampleId :
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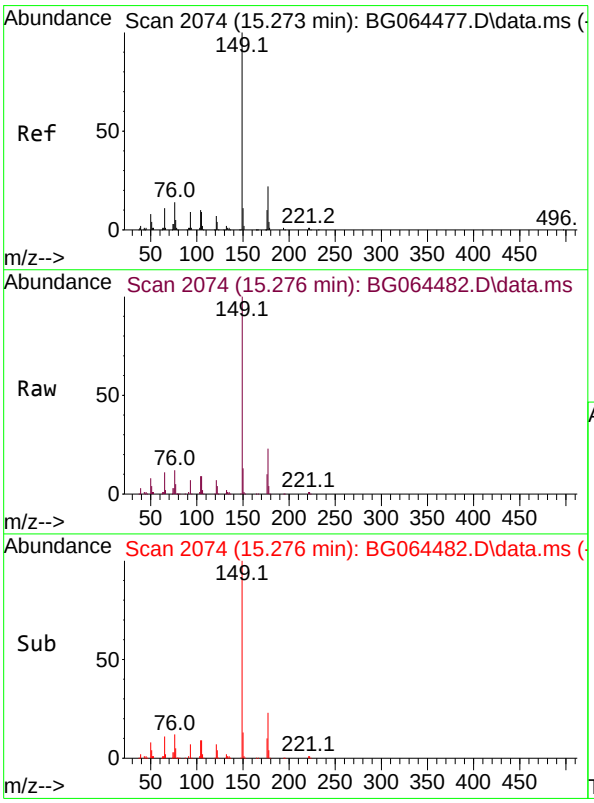
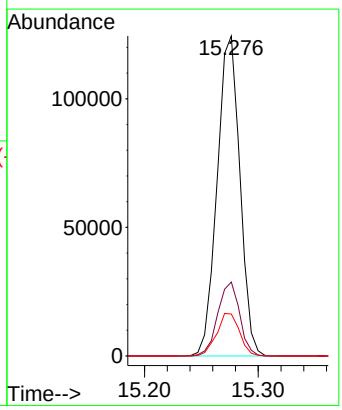
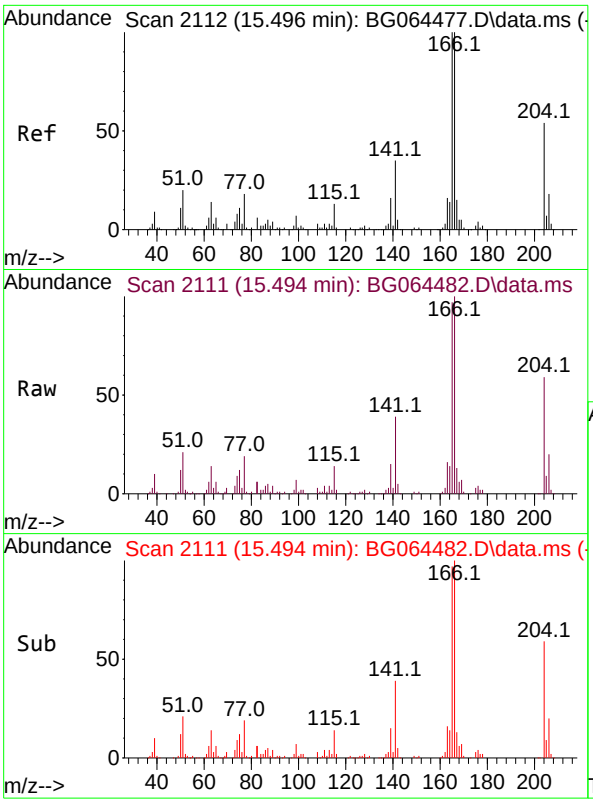


#60
Diethylphthalate
Concen: 38.317 ng
RT: 15.276 min Scan# 2074
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

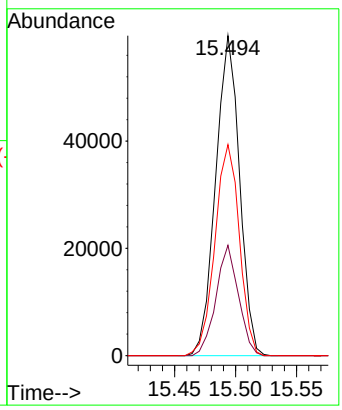




#61
4-Chlorophenyl-phenylether
Concen: 36.432 ng
RT: 15.494 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:204 Resp: 8120

Ion	Ratio	Lower	Upper
204	100		
206	34.5	27.1	40.7
141	65.9	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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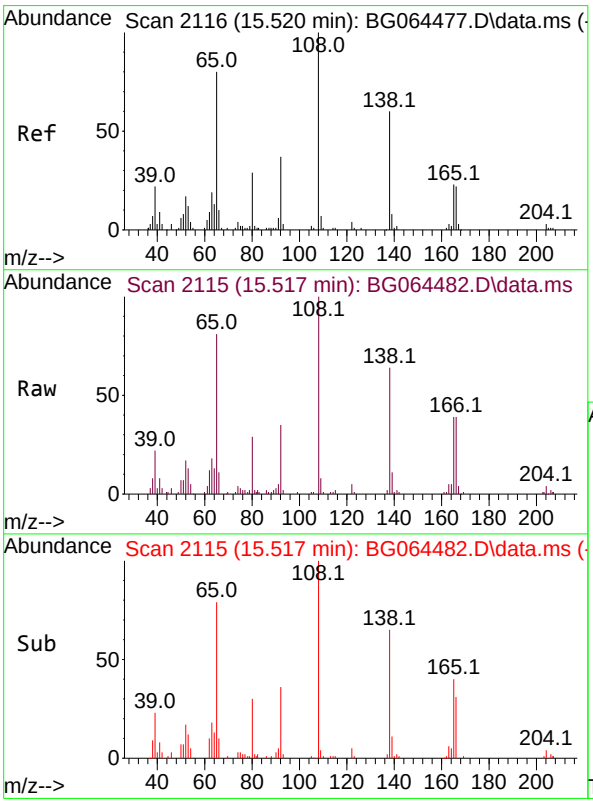
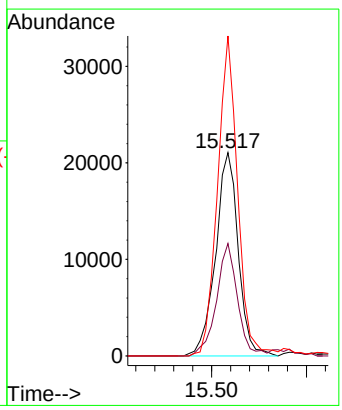
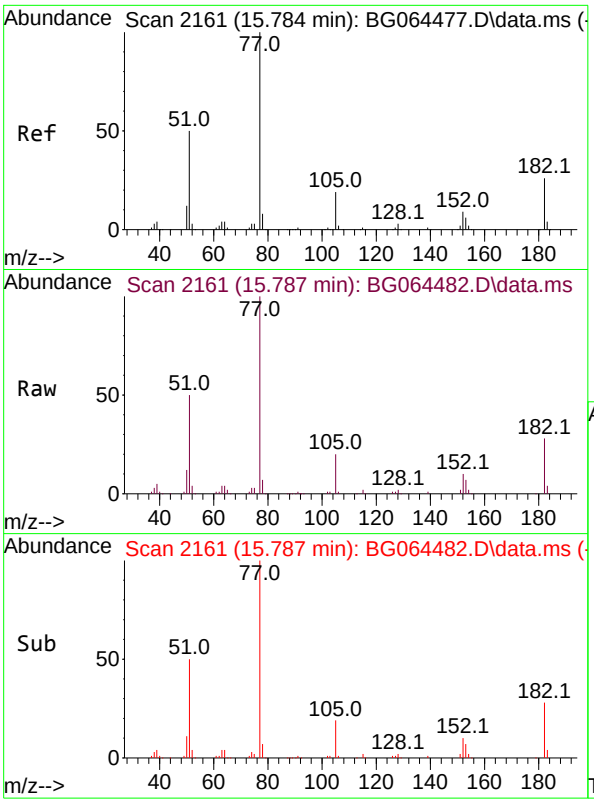


#62
4-Nitroaniline
Concen: 41.435 ng
RT: 15.517 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

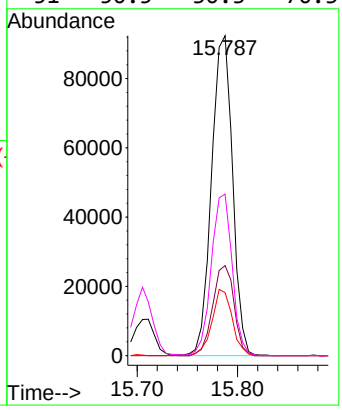




#63
Azobenzene
Concen: 38.553 ng
RT: 15.787 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion: 77 Resp: 13472

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



Instrument :
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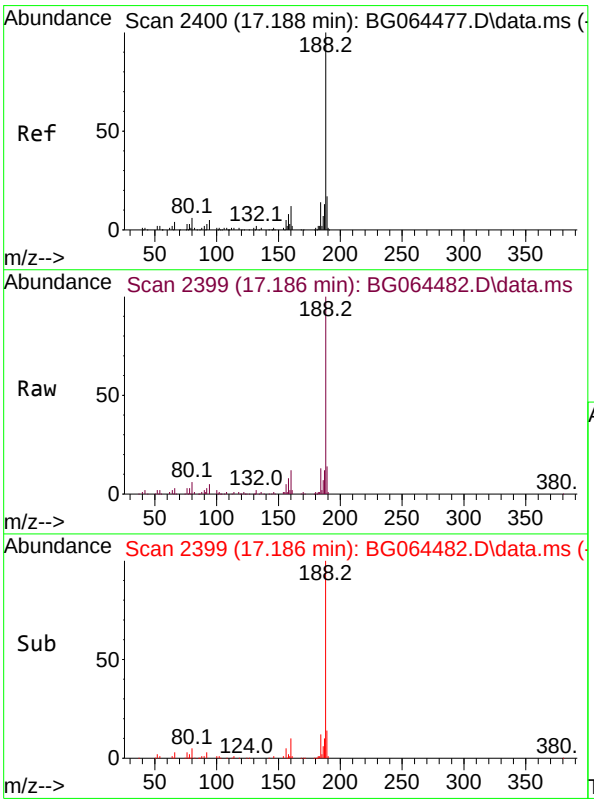
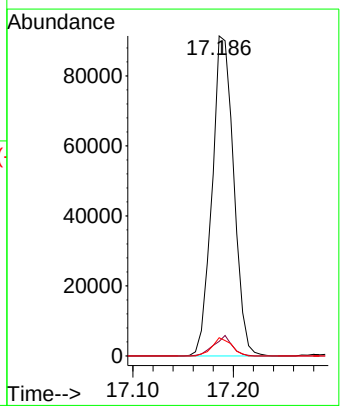
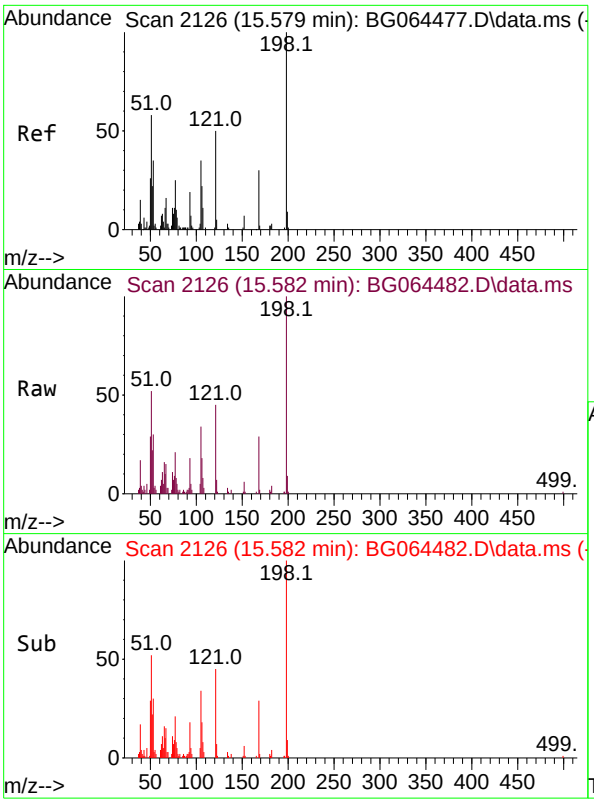


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2399
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

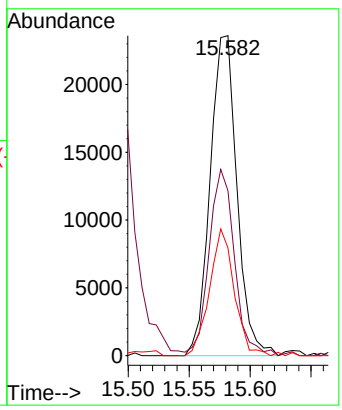




#65
4,6-Dinitro-2-methylphenol
Concen: 37.834 ng
RT: 15.582 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:198 Resp: 3608

Ion	Ratio	Lower	Upper
198	100		
51	51.5	39.0	79.0
105	33.6	15.8	55.8



Instrument :
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ClientSampleId :
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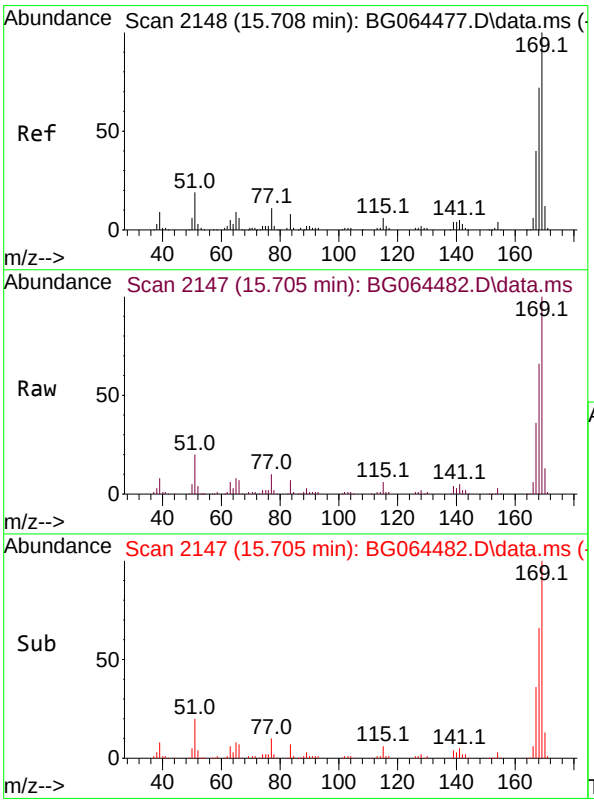
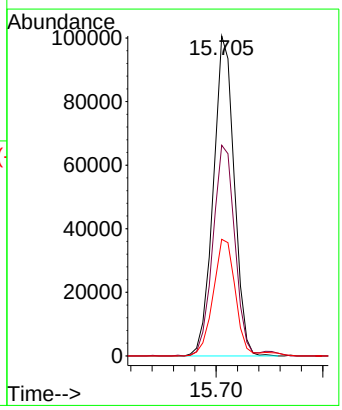
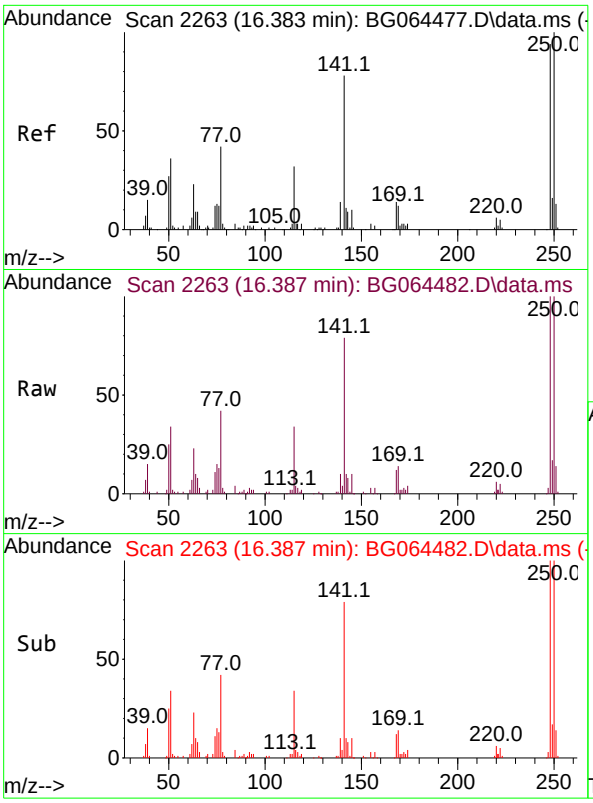


#66
n-Nitrosodiphenylamine
Concen: 37.465 ng
RT: 15.705 min Scan# 2147
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

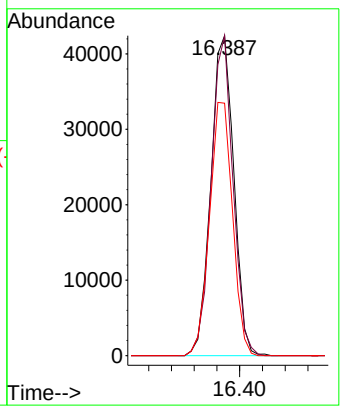




#67
4-Bromophenyl-phenylether
Concen: 36.819 ng
RT: 16.387 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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



Instrument :
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ClientSampleId :
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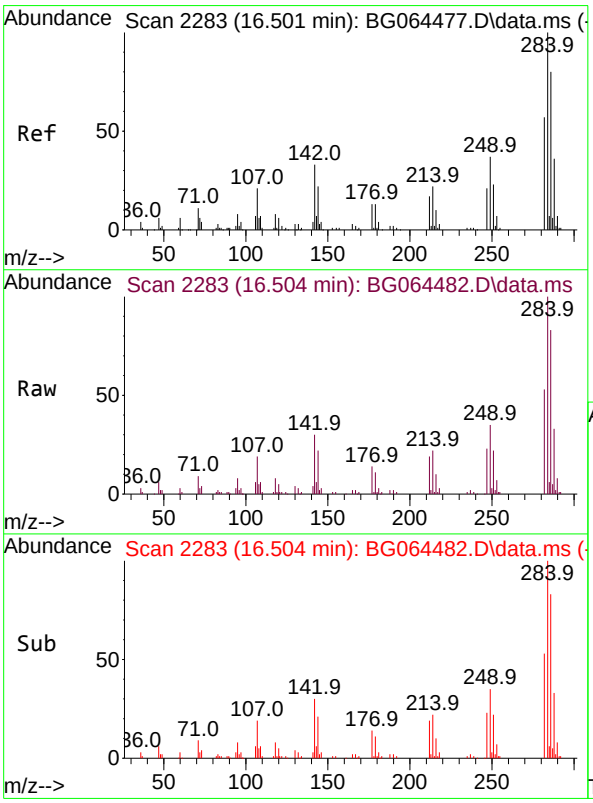
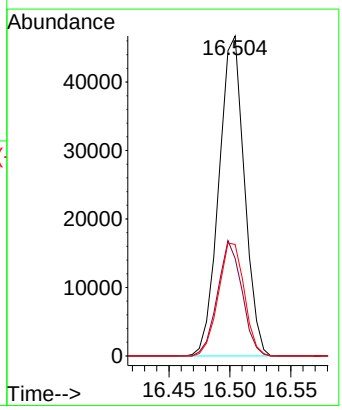
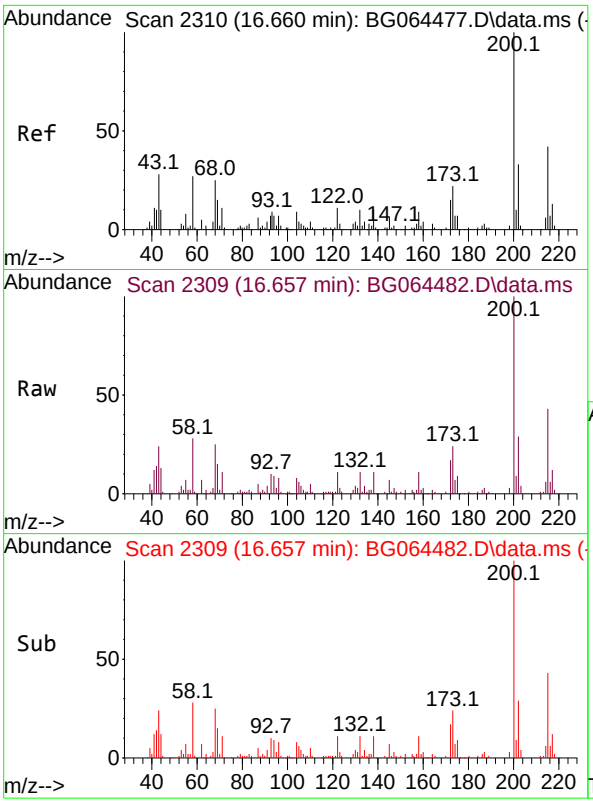


#68
Hexachlorobenzene
Concen: 36.821 ng
RT: 16.504 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

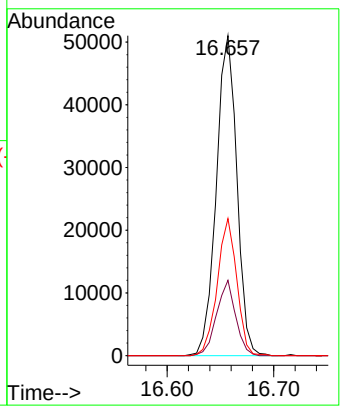




#69
Atrazine
Concen: 42.076 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:200 Resp: 6847

Ion	Ratio	Lower	Upper
200	100		
173	23.5	2.5	42.5
215	42.8	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
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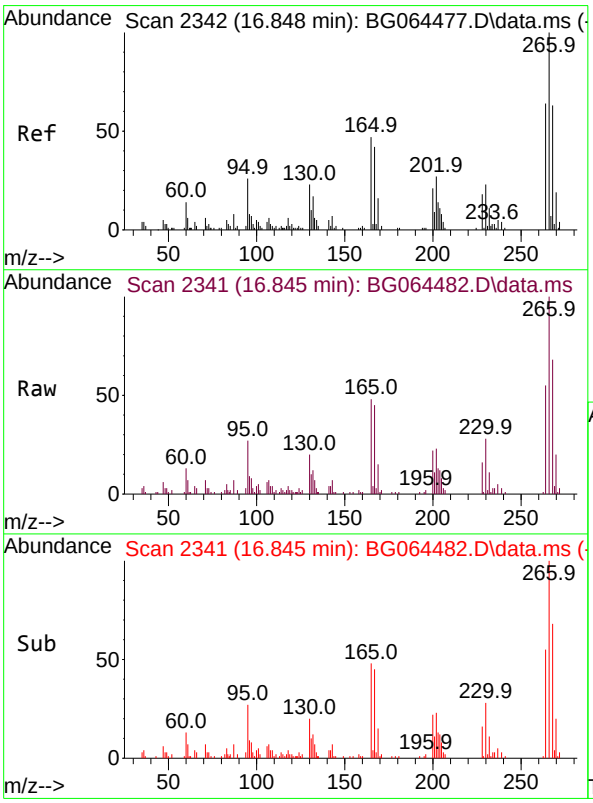
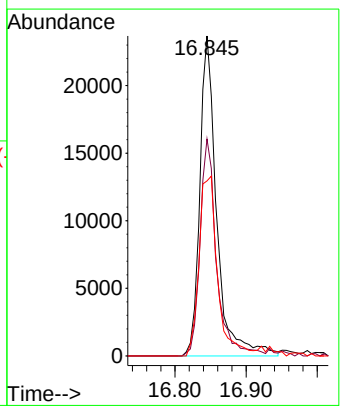
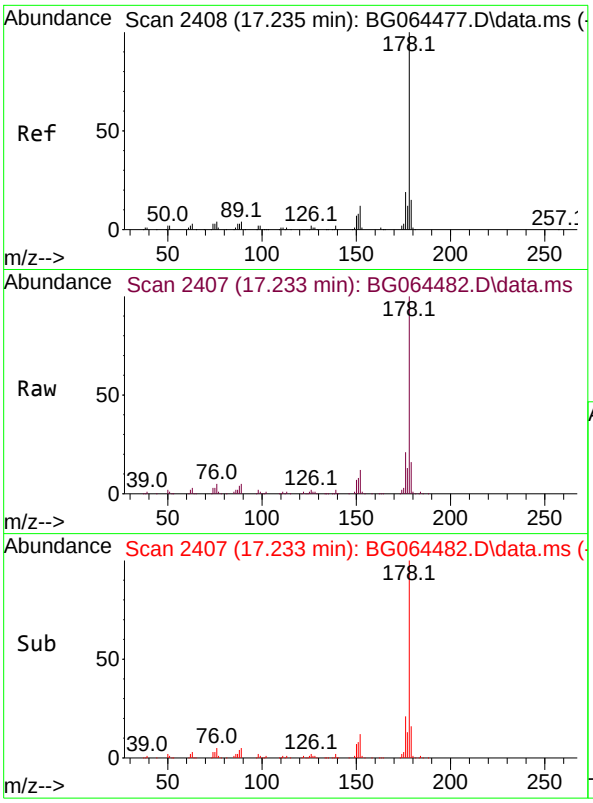


#70
Pentachlorophenol
Concen: 36.025 ng
RT: 16.845 min Scan# 2341
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

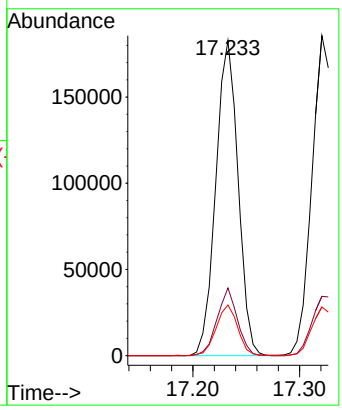




#71
Phenanthrene
Concen: 37.108 ng
RT: 17.233 min Scan# 24
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:178 Resp: 26582

Ion	Ratio	Lower	Upper
178	100		
176	21.5	15.2	22.8
179	16.0	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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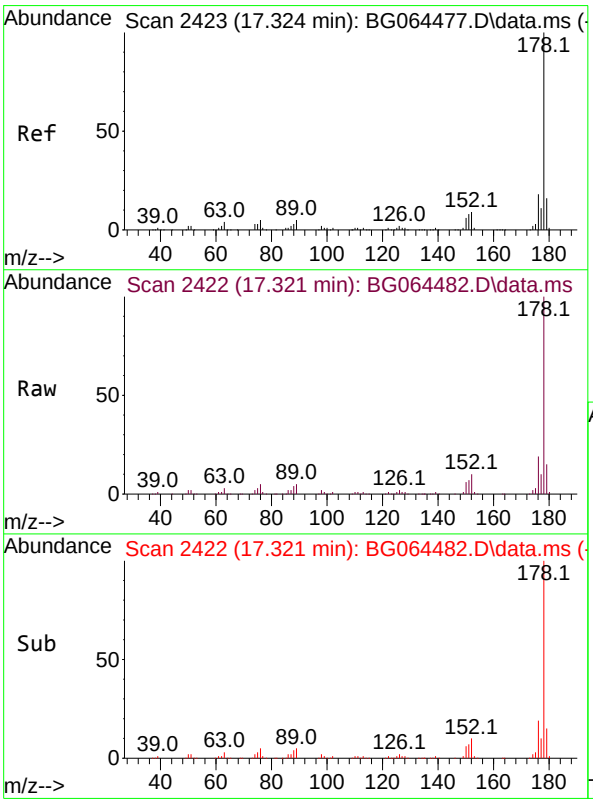
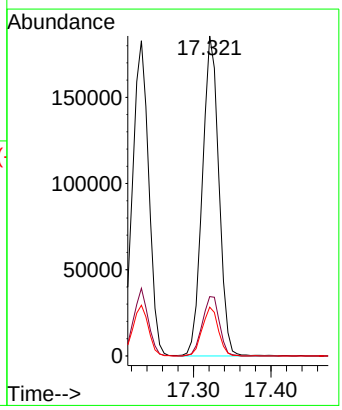
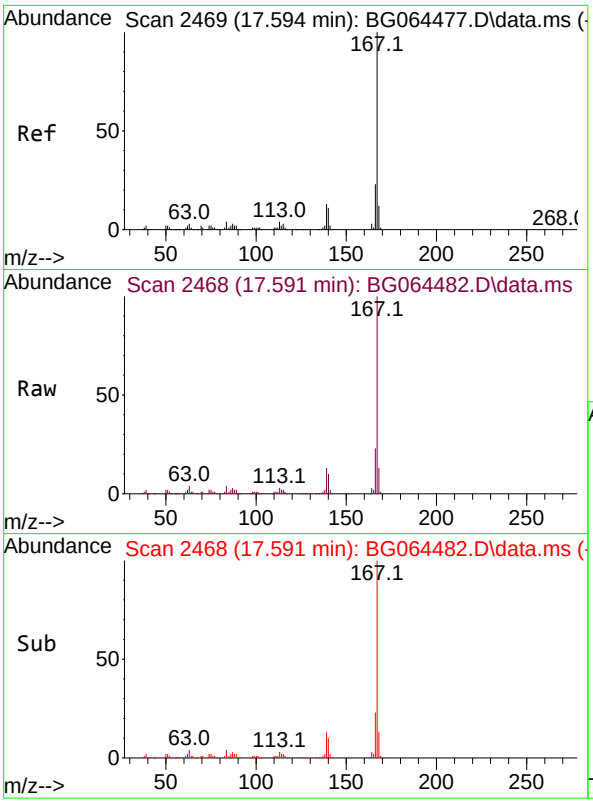


#72
Anthracene
Concen: 38.159 ng
RT: 17.321 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

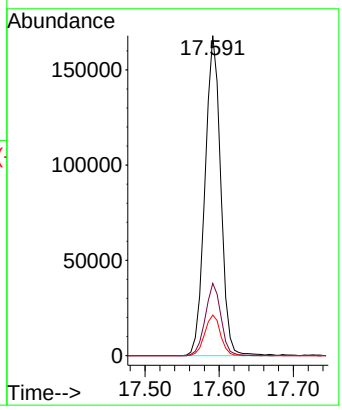




#73
Carbazole
Concen: 39.673 ng
RT: 17.591 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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



Instrument :
BNA_G
ClientSampleId :
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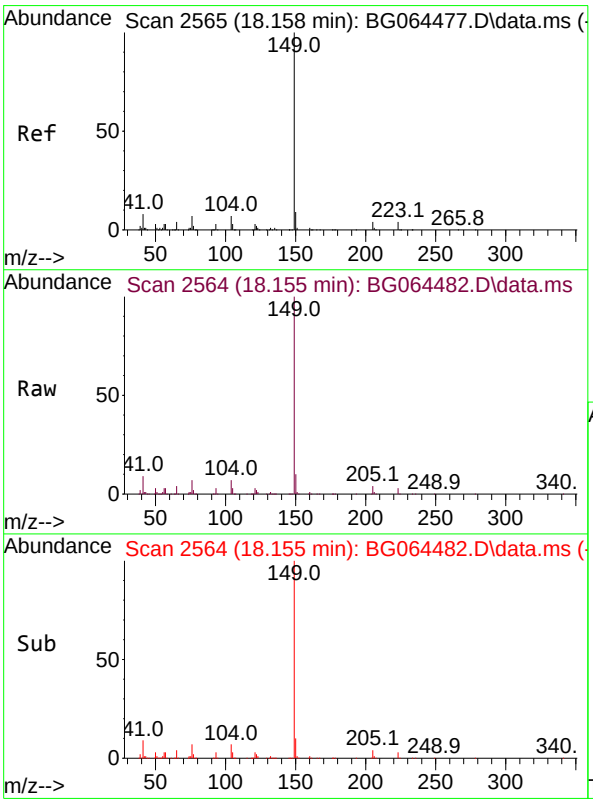
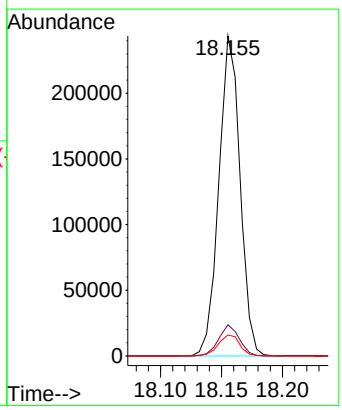
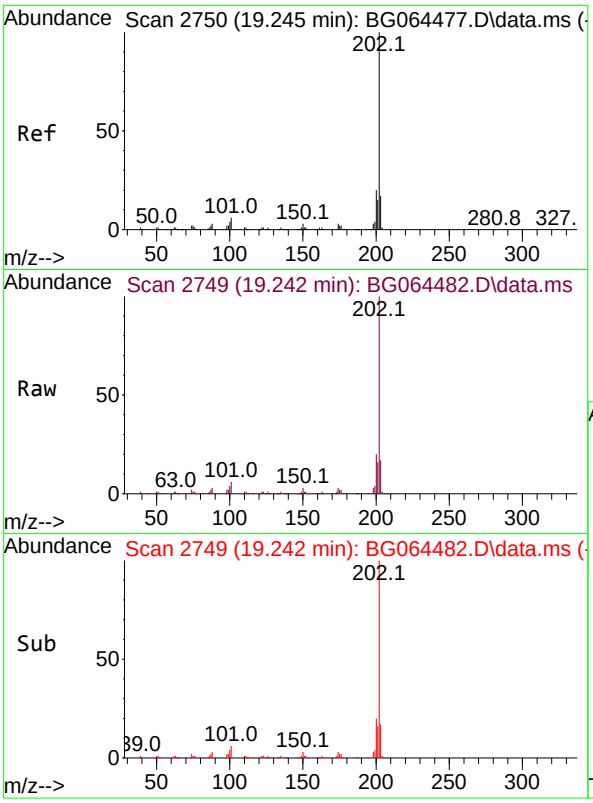


#74
Di-n-butylphthalate
Concen: 38.852 ng
RT: 18.155 min Scan# 2564
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

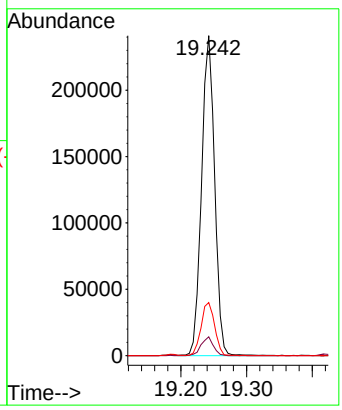




#75
Fluoranthene
Concen: 38.739 ng
RT: 19.242 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:202 Resp: 33153

Ion	Ratio	Lower	Upper
202	100		
101	5.9	0.0	25.7
203	16.6	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
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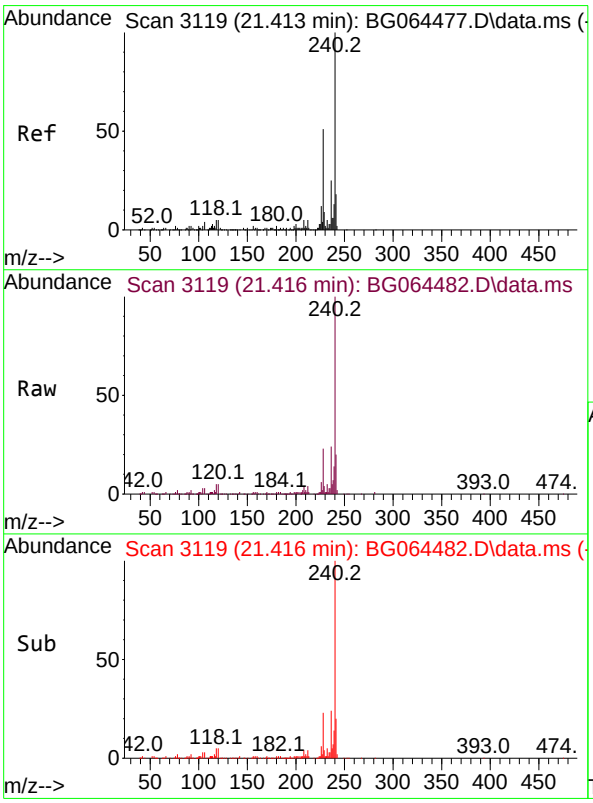
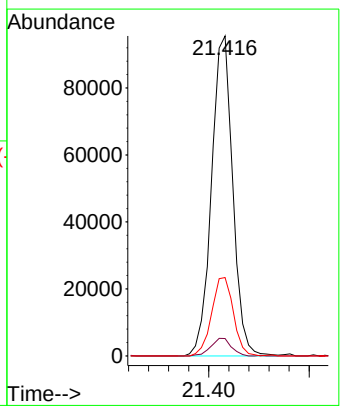
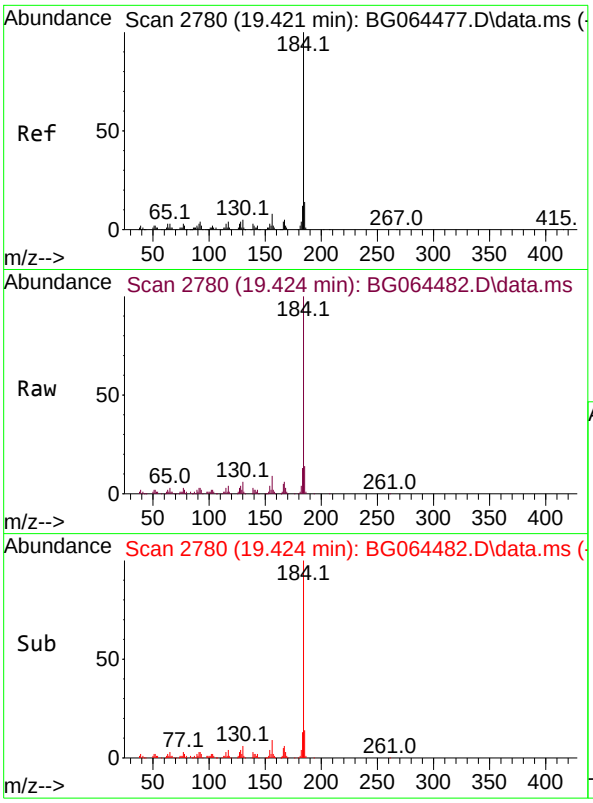


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

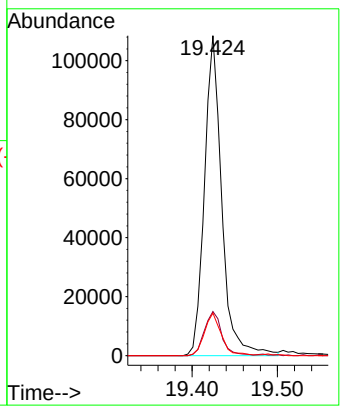




#77
Benzidine
Concen: 43.772 ng
RT: 19.424 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:184 Resp: 15291

Ion	Ratio	Lower	Upper
184	100		
185	13.8	10.9	16.3
183	13.3	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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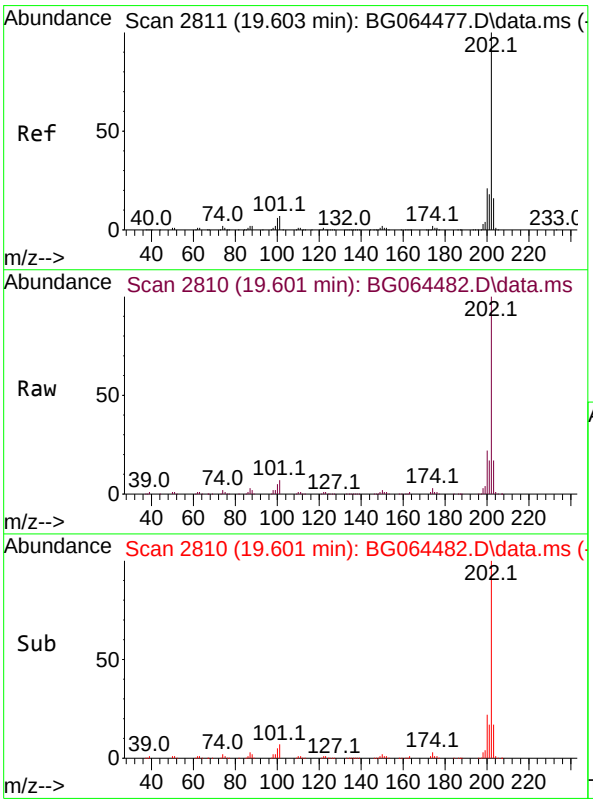
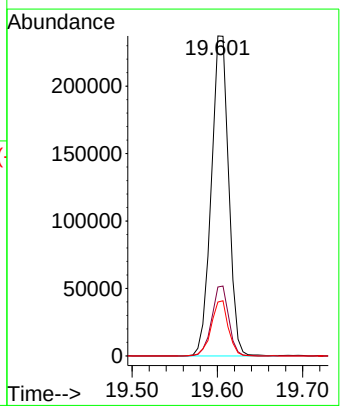
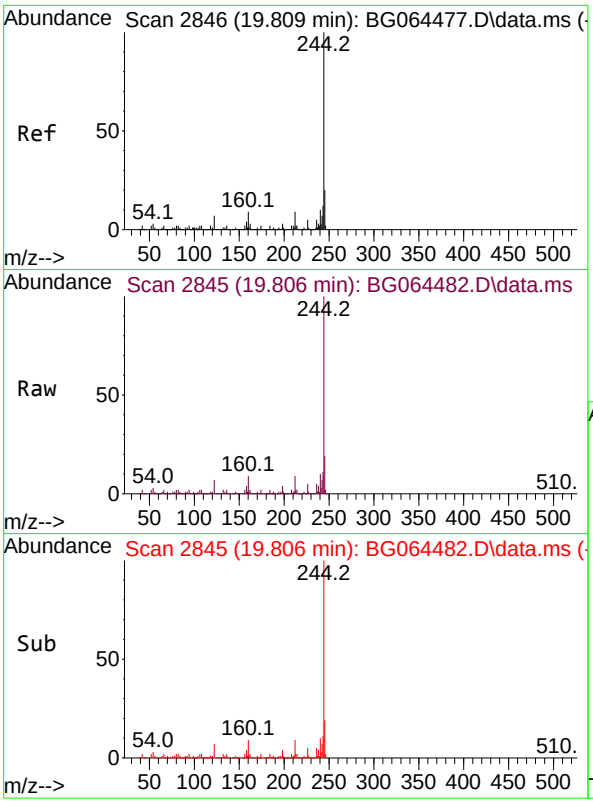


#78
Pyrene
Concen: 36.856 ng
RT: 19.601 min Scan# 2810
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

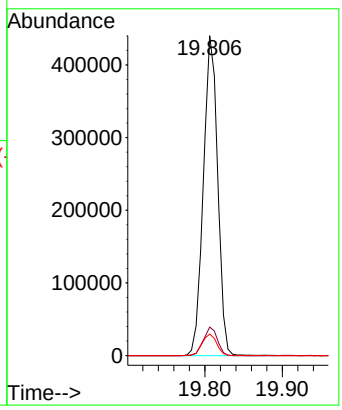




#79
Terphenyl-d14
Concen: 76.071 ng
RT: 19.806 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:244 Resp: 56432

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	6.7	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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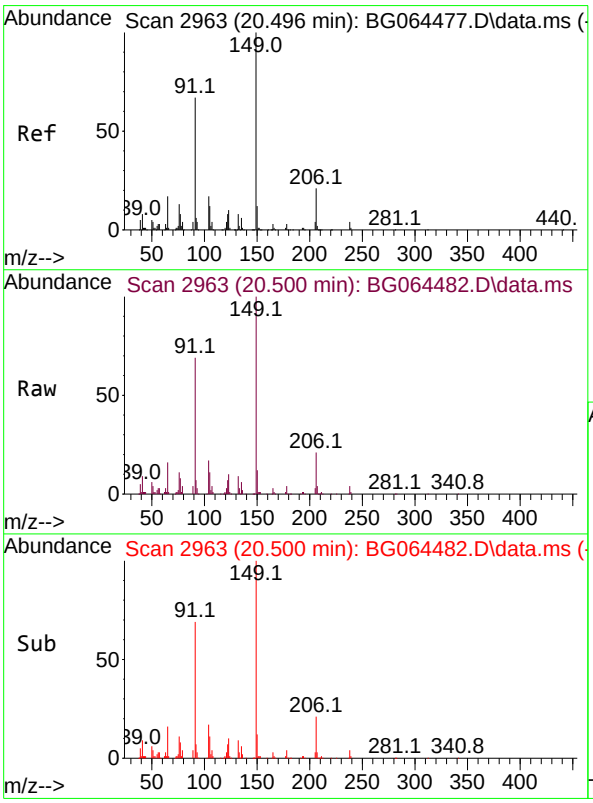
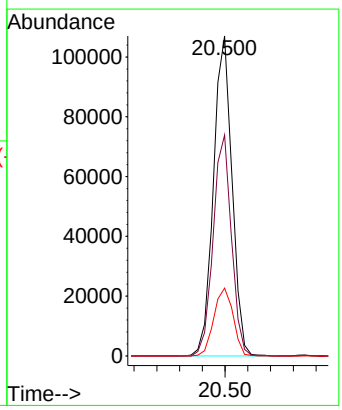
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

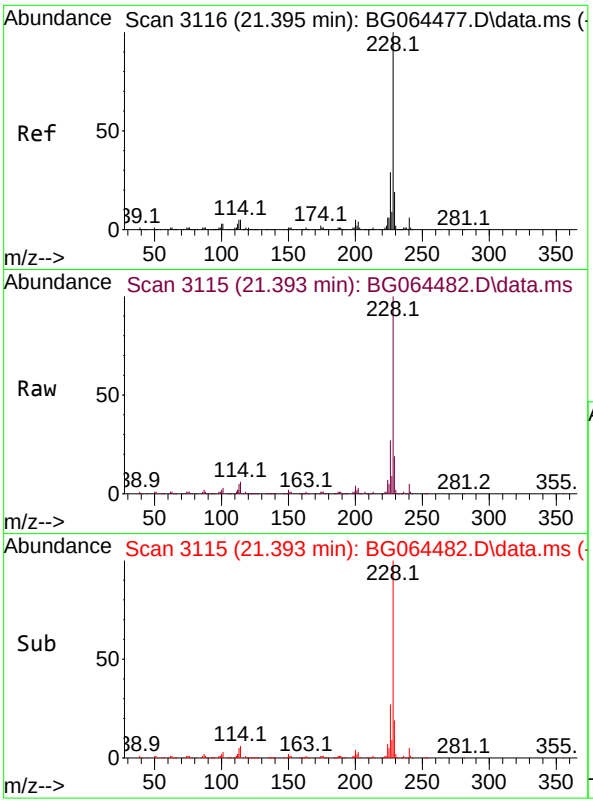


#80
Butylbenzylphthalate
Concen: 37.565 ng
RT: 20.500 min Scan# 2963
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

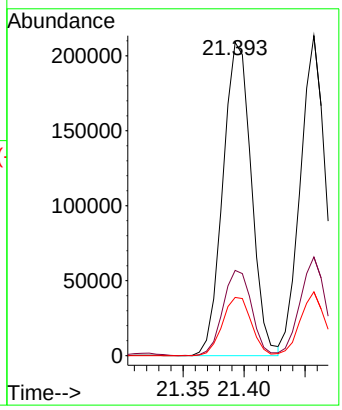




#81
Benzo(a)anthracene
Concen: 37.867 ng
RT: 21.393 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:228 Resp: 33944

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.8	34.2
229	18.6	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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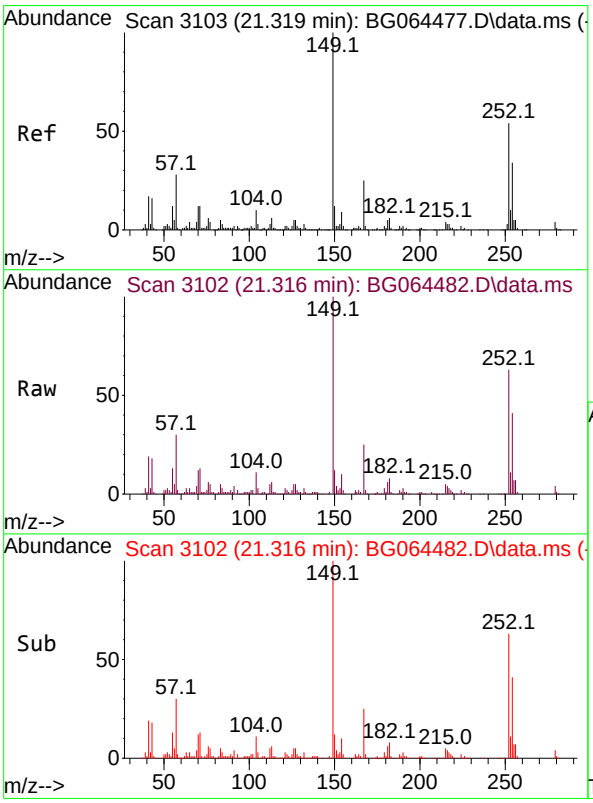
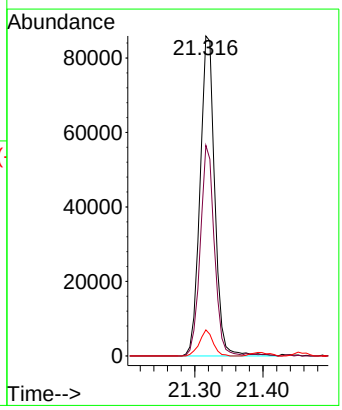
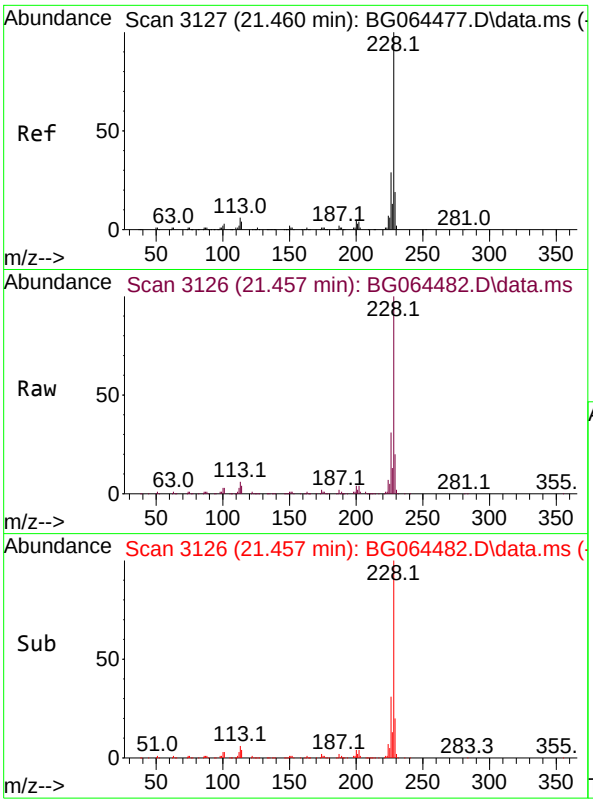


#82
3,3'-Dichlorobenzidine
Concen: 42.355 ng
RT: 21.316 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

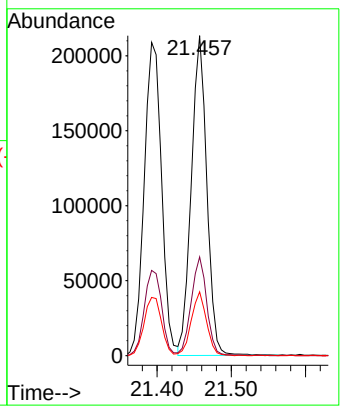




#83
Chrysene
Concen: 36.434 ng
RT: 21.457 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:228 Resp: 30973

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.8	34.2
229	19.9	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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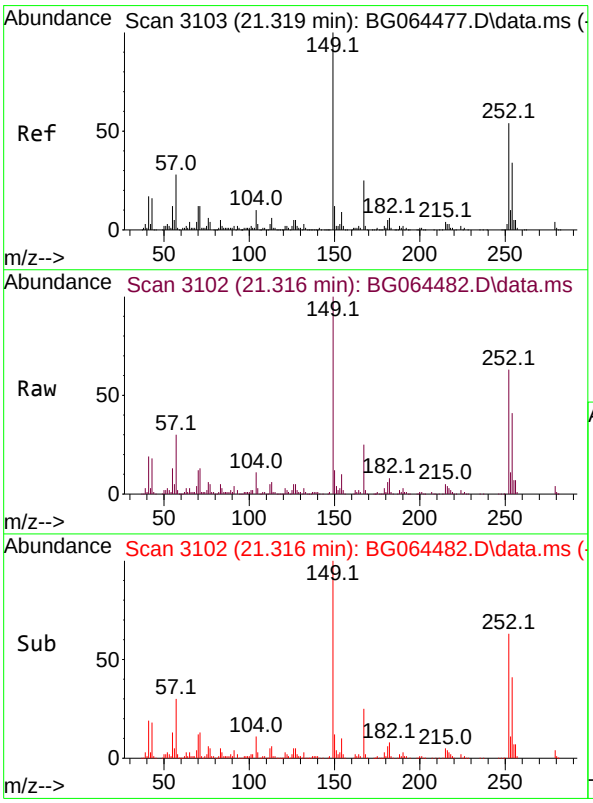
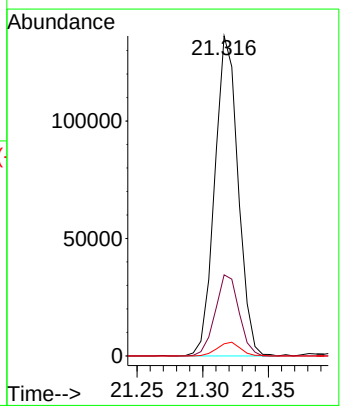
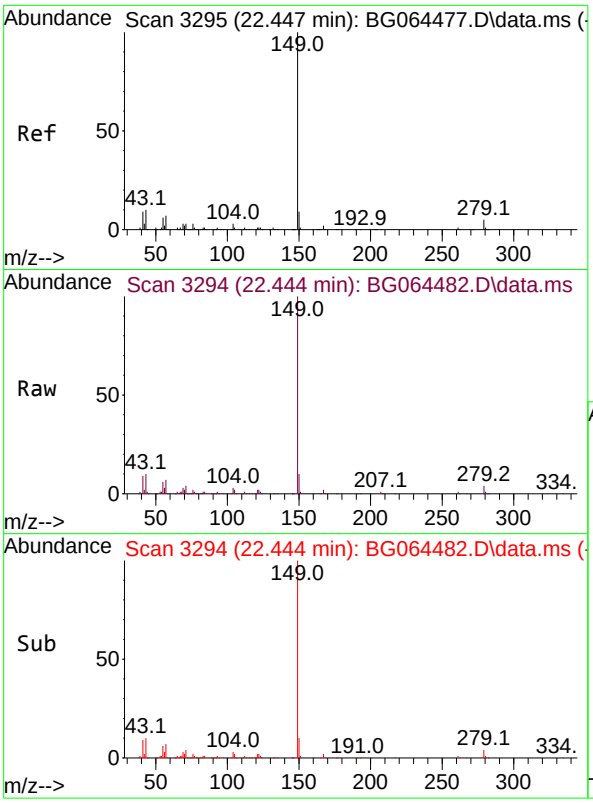


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.082 ng
RT: 21.316 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

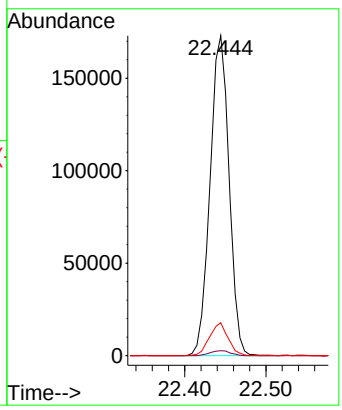




#85
Di-n-octyl phthalate
Concen: 36.720 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:149 Resp: 28123

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	10.0	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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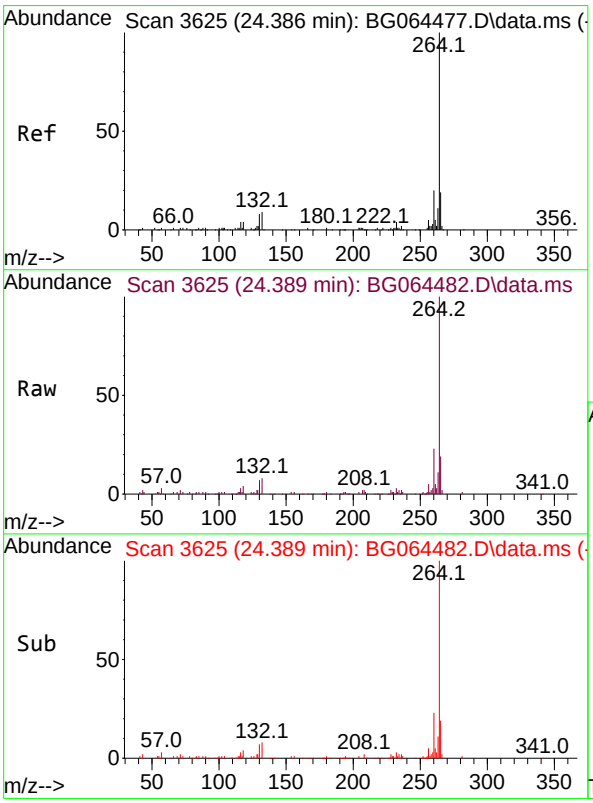
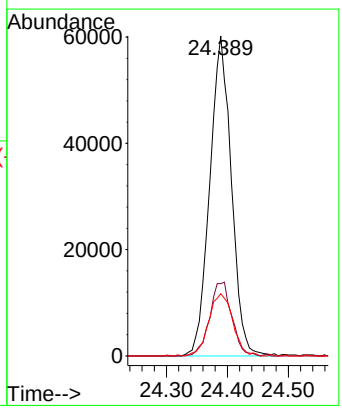
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

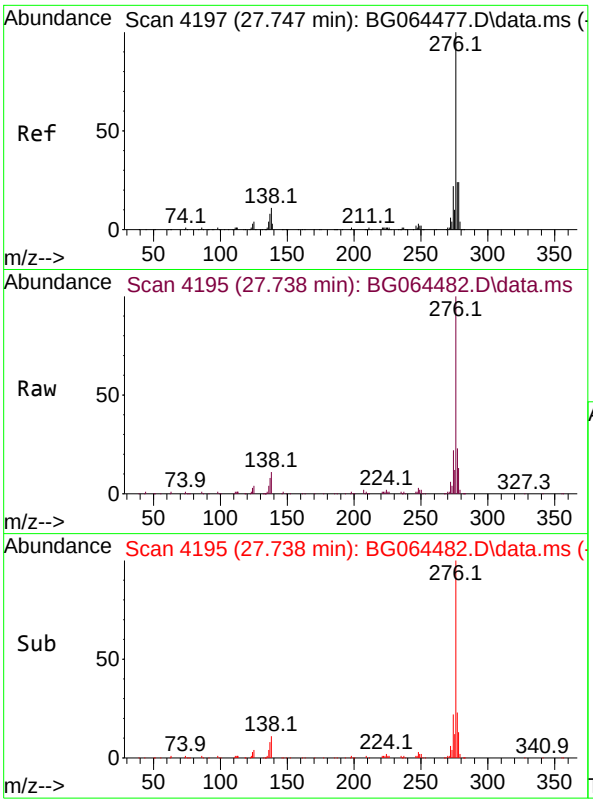


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.389 min Scan# 3625
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

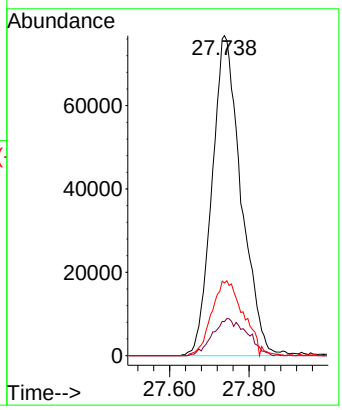




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.816 ng
RT: 27.738 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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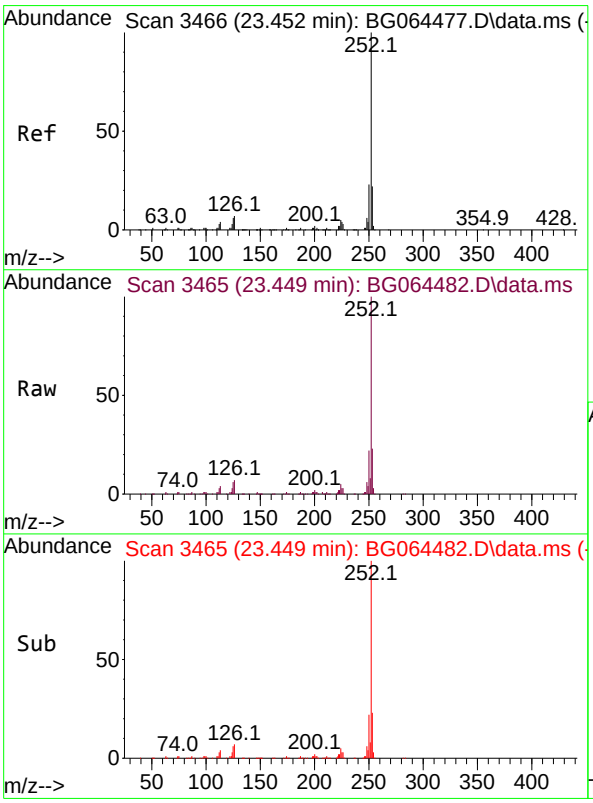
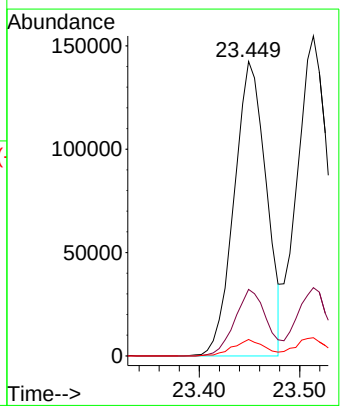
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

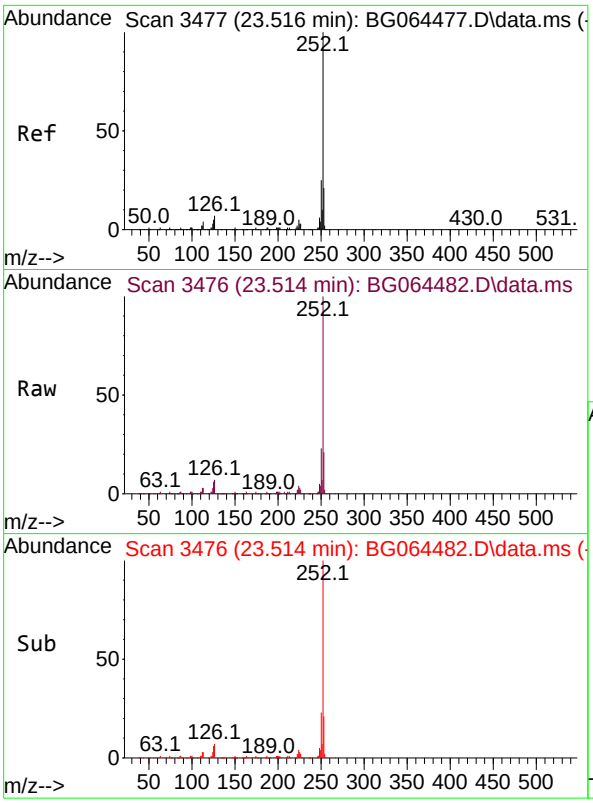


#88
Benzo(b)fluoranthene
Concen: 37.423 ng
RT: 23.449 min Scan# 3465
Delta R.T. -0.000 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

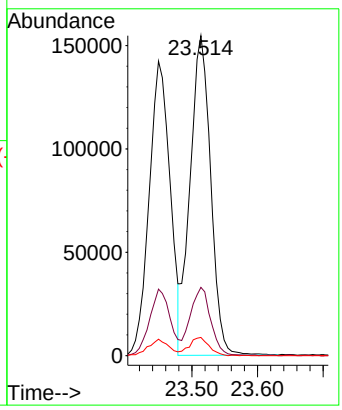




#89
Benzo(k)fluoranthene
Concen: 39.643 ng
RT: 23.514 min Scan# 34
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:252 Resp: 33701

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	5.7	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

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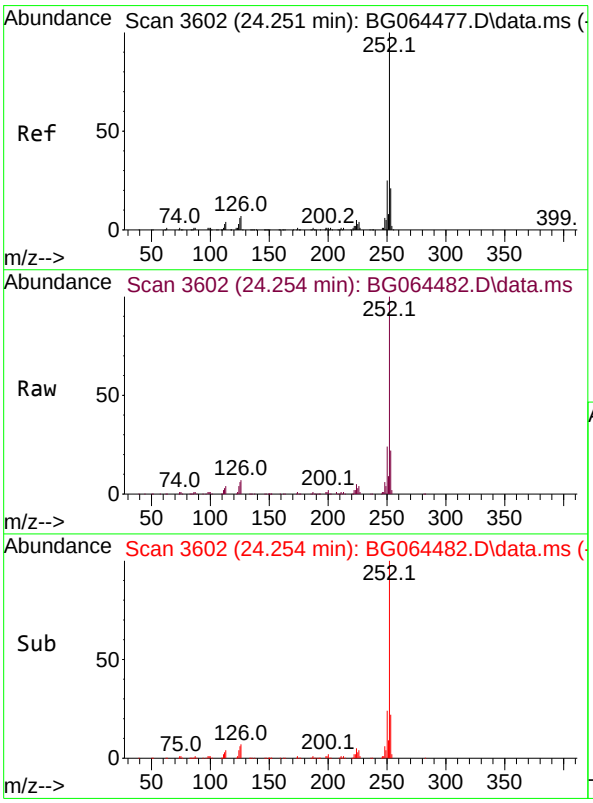
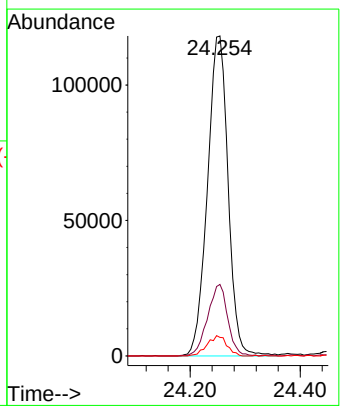
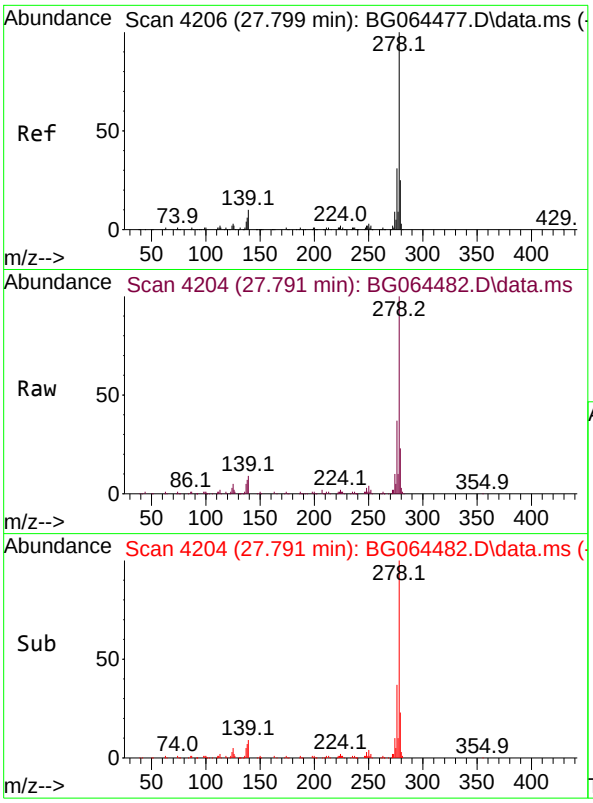


#90
Benzo(a)pyrene
Concen: 39.468 ng
RT: 24.254 min Scan# 3602
Delta R.T. 0.006 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

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

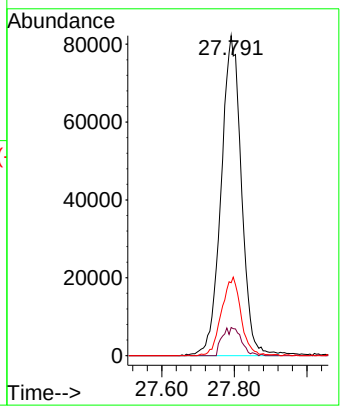




#91
Dibenzo(a,h)anthracene
Concen: 38.585 ng
RT: 27.791 min Scan# 4
Delta R.T. 0.012 min
Lab File: BG064482.D
Acq: 2 Oct 2025 18:09

Tgt Ion:278 Resp: 31867

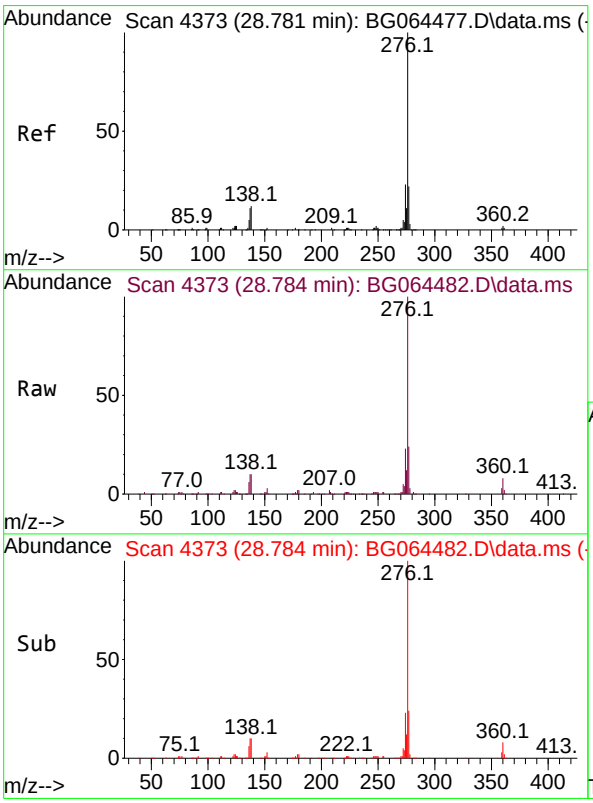
Ion	Ratio	Lower	Upper
278	100		
139	8.8	8.2	12.2
279	22.8	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
ICVBG100225

Manual Integrations APPROVED

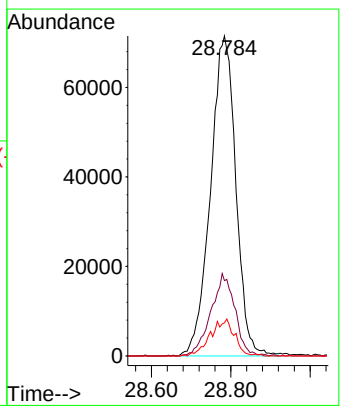
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#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

Evaluate Continuing Calibration Report

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
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)
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

Evaluate Continuing Calibration Report

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)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
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.

Form VII SV-1

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

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

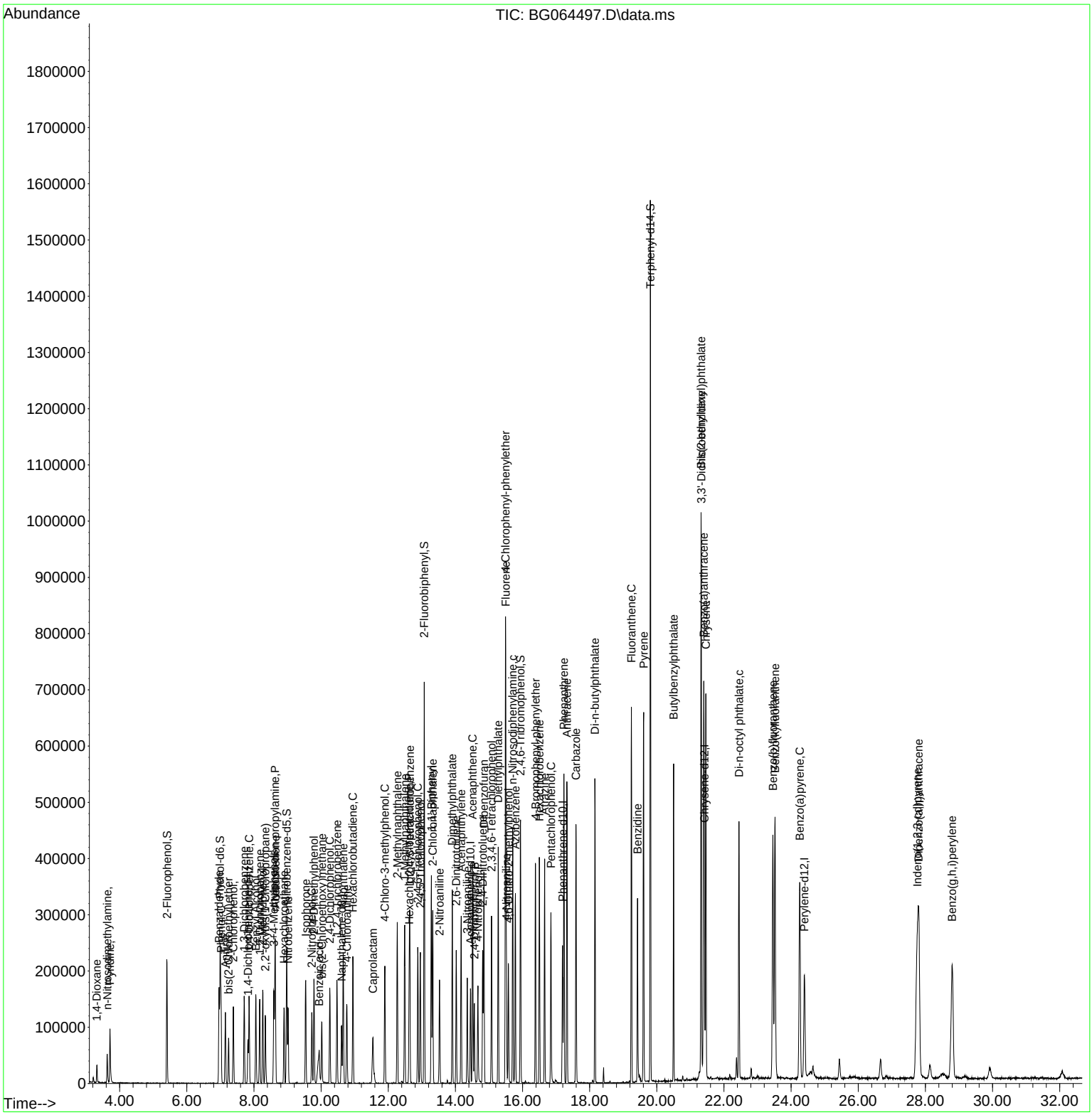
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.956	196	59377	43.692	ng		97
46) 1,1'-Biphenyl	13.285	154	181204	42.720	ng		99
47) 2-Chloronaphthalene	13.326	162	136775	43.189	ng		97
48) 2-Nitroaniline	13.526	65	48753	45.105	ng		98
49) Acenaphthylene	14.172	152	203700	43.330	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

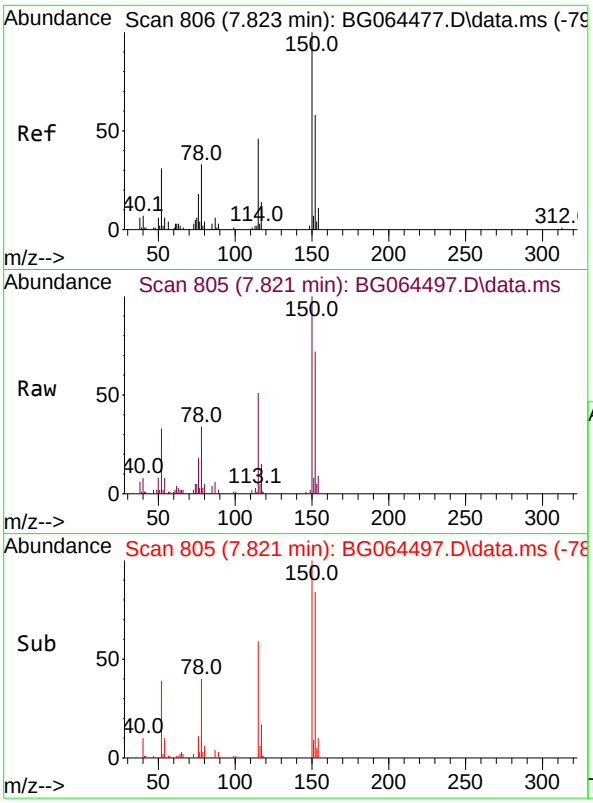
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



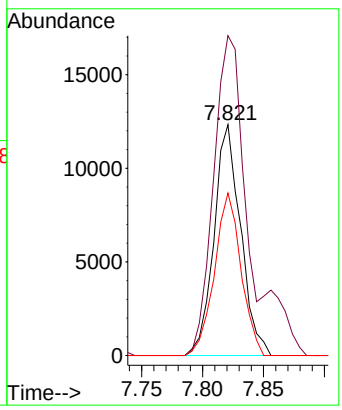


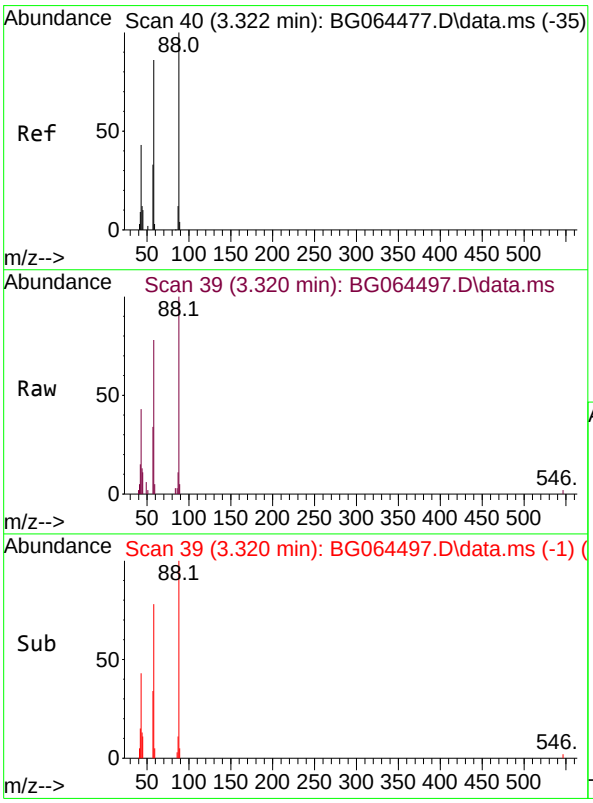
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.821 min Scan# 80
Delta R.T. 0.001 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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

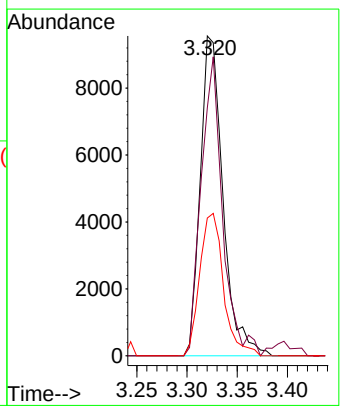


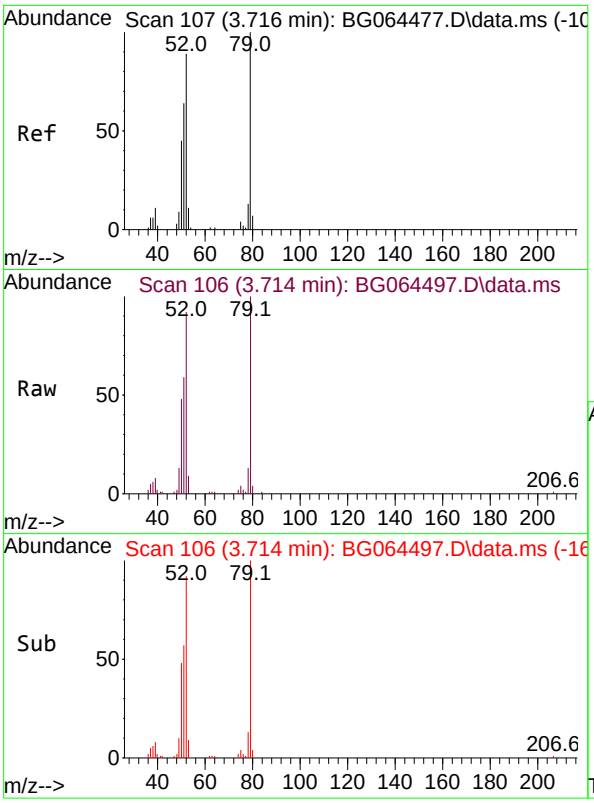


#2
1,4-Dioxane
Concen: 37.555 ng
RT: 3.320 min Scan# 39
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



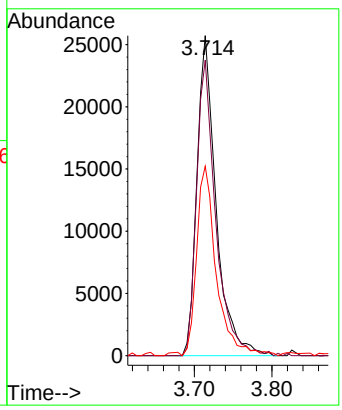


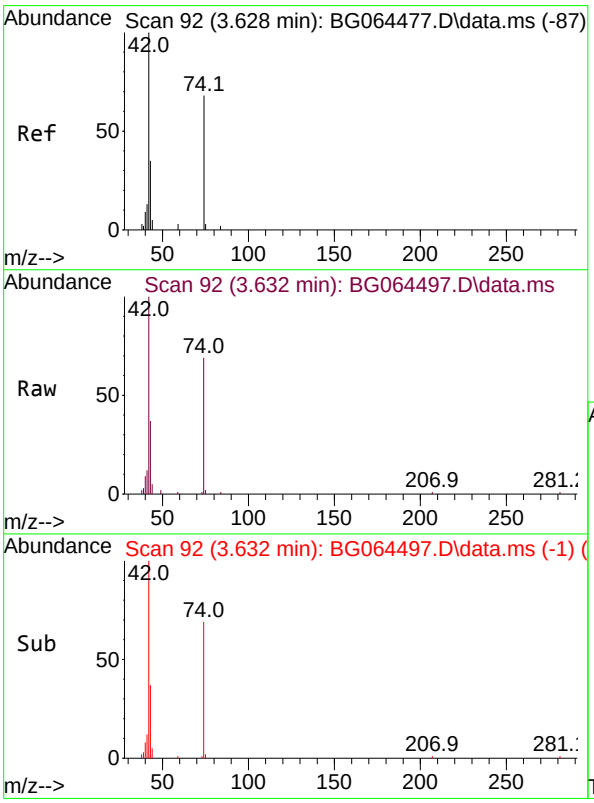
#3
Pyridine
Concen: 40.992 ng
RT: 3.714 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 44097

Ion	Ratio	Lower	Upper
79	100		
52	92.4	71.0	106.4
51	59.2	51.0	76.6

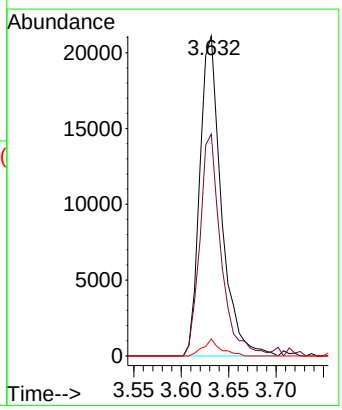


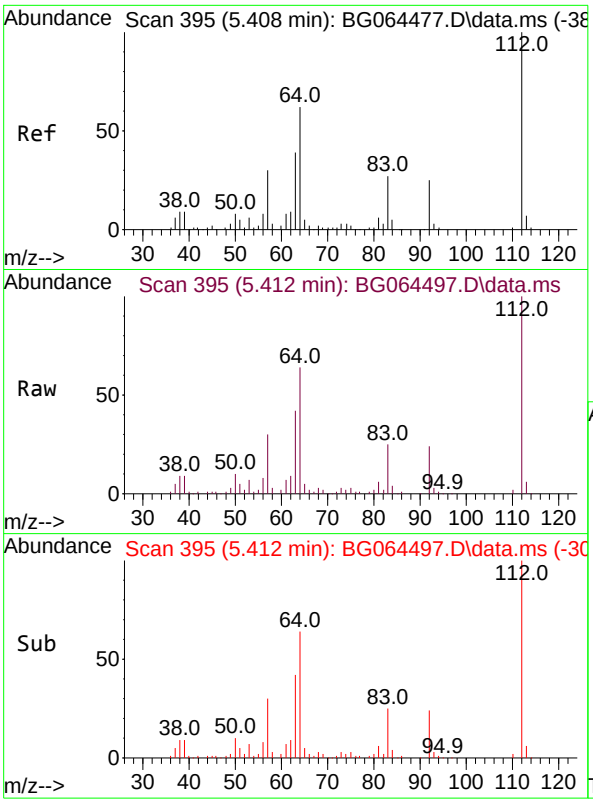


#4
n-Nitrosodimethylamine
Concen: 42.785 ng
RT: 3.632 min Scan# 92
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



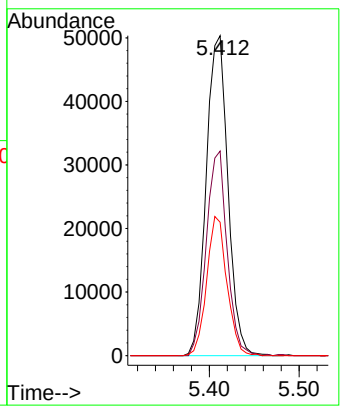


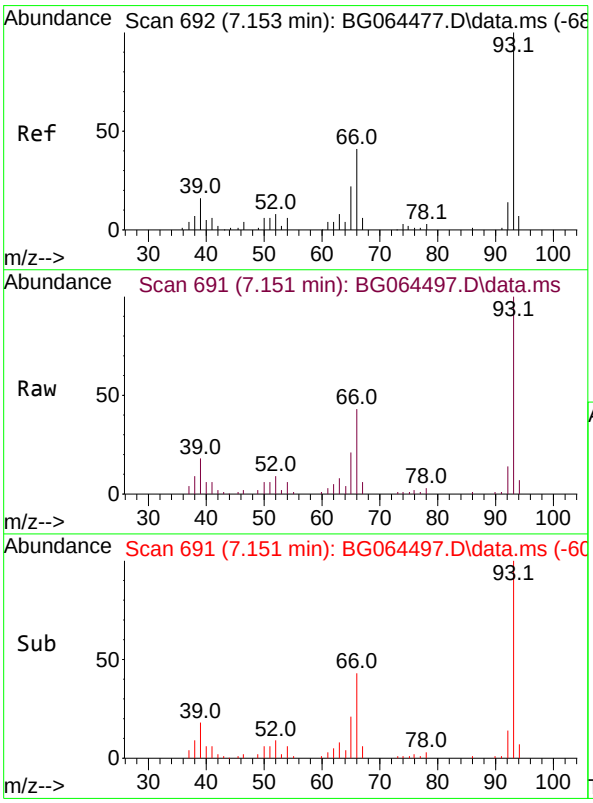
#5
2-Fluorophenol
Concen: 83.793 ng
RT: 5.412 min Scan# 39
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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

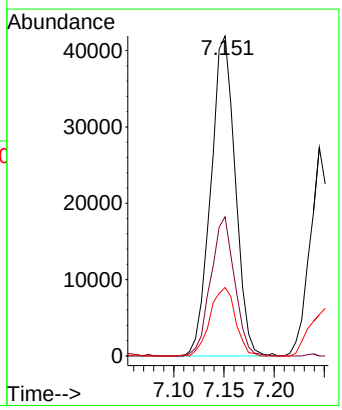


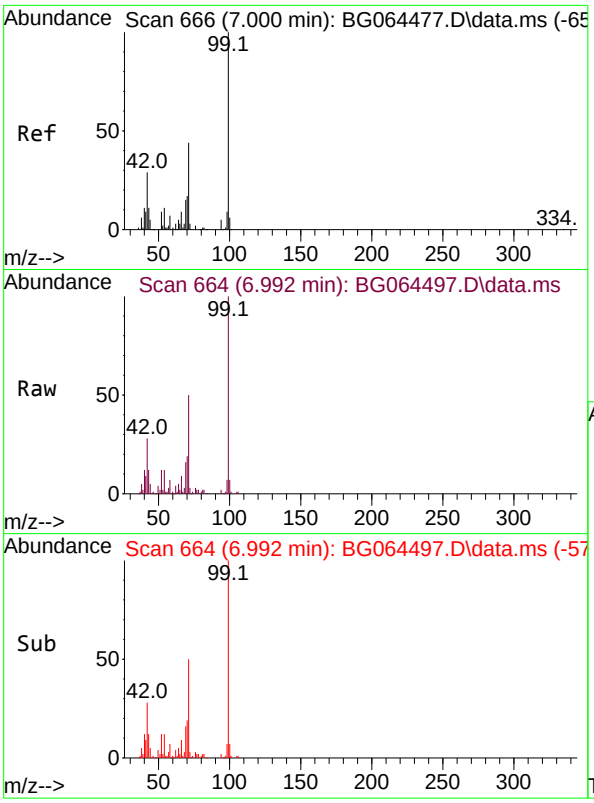


#6
Aniline
Concen: 41.362 ng
RT: 7.151 min Scan# 691
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



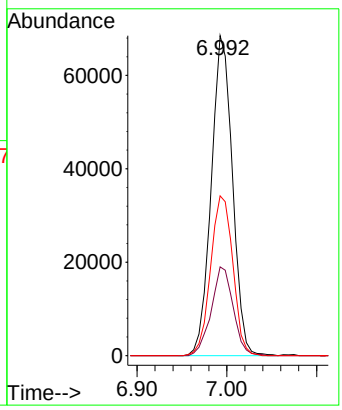


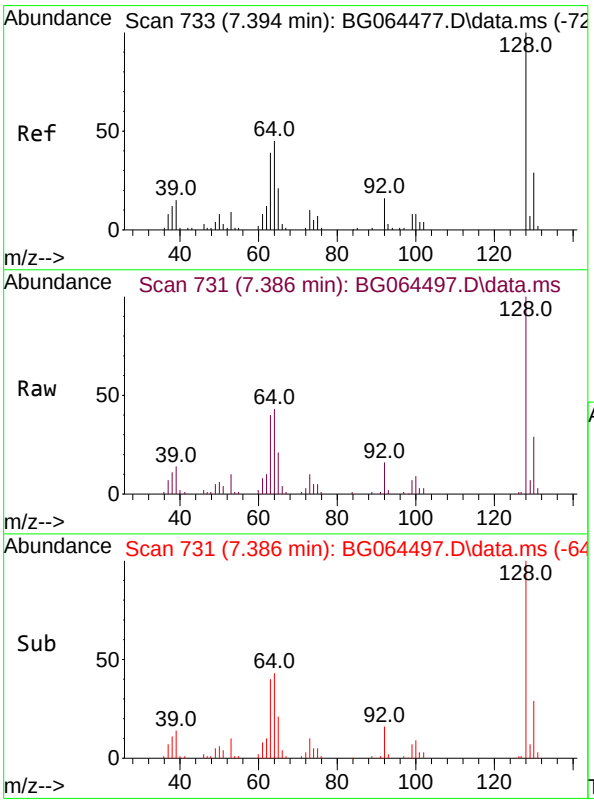
#7
Phenol-d6
Concen: 83.082 ng
RT: 6.992 min Scan# 6
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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

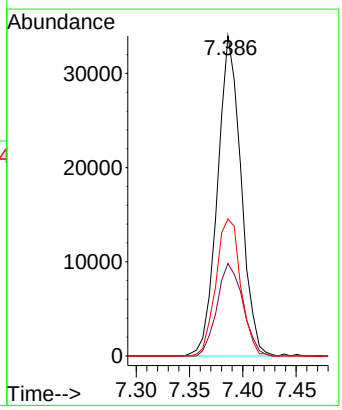


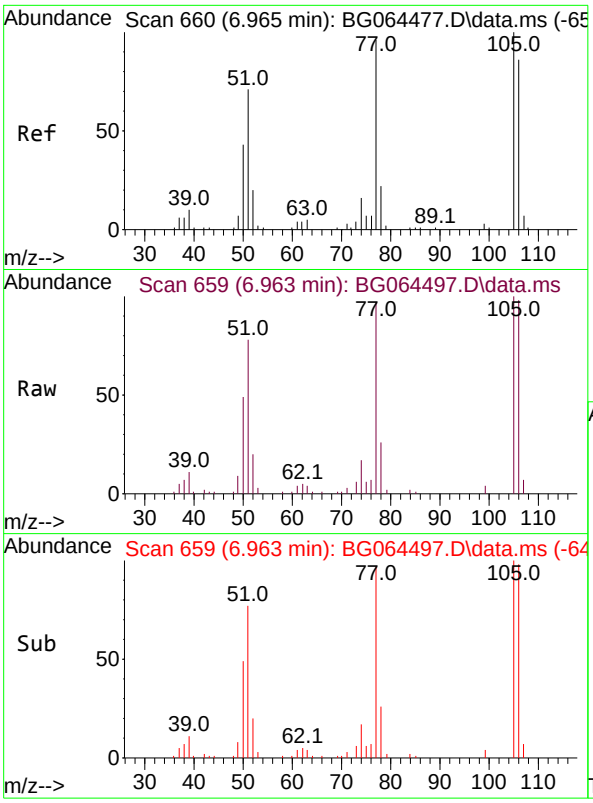


#8
2-Chlorophenol
Concen: 41.997 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



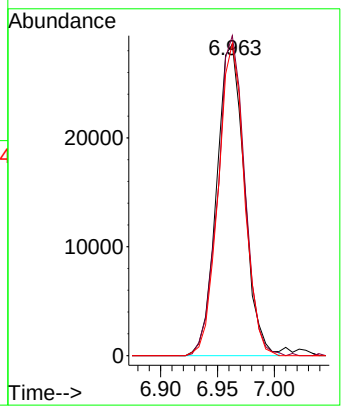


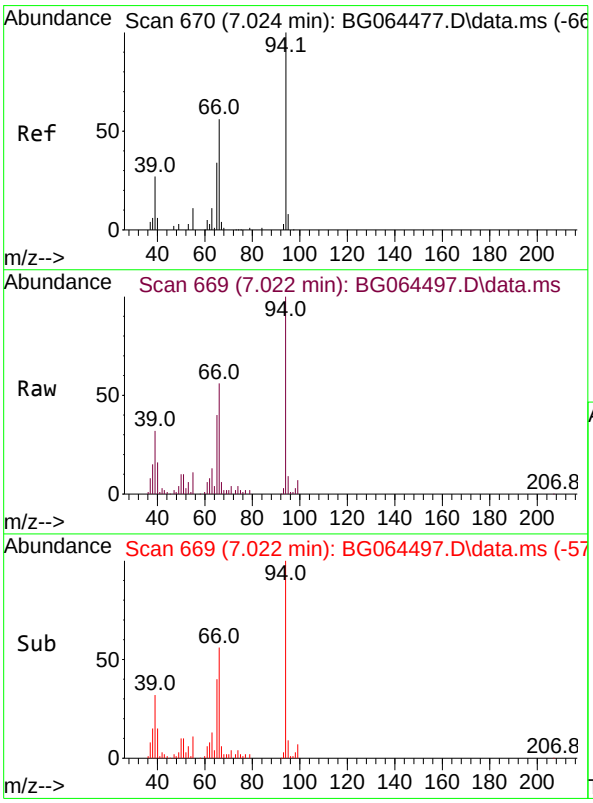
#9
Benzaldehyde
Concen: 40.040 ng
RT: 6.963 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

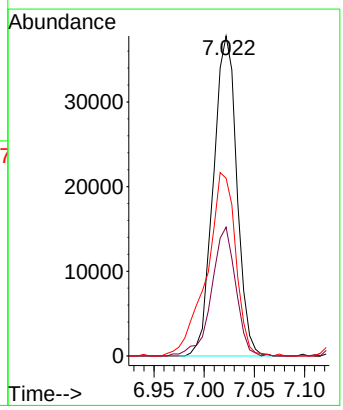


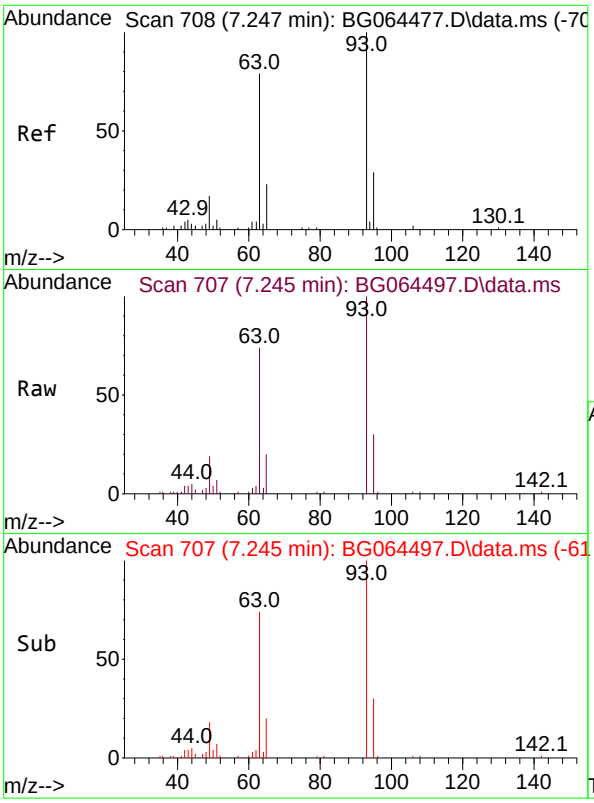


#10
Phenol
Concen: 42.860 ng
RT: 7.022 min Scan# 669
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



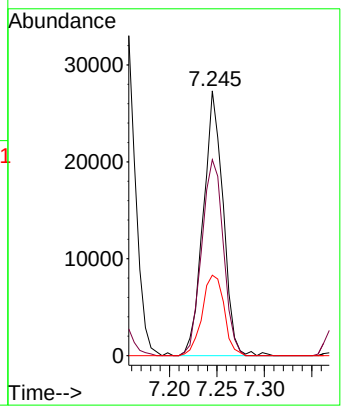


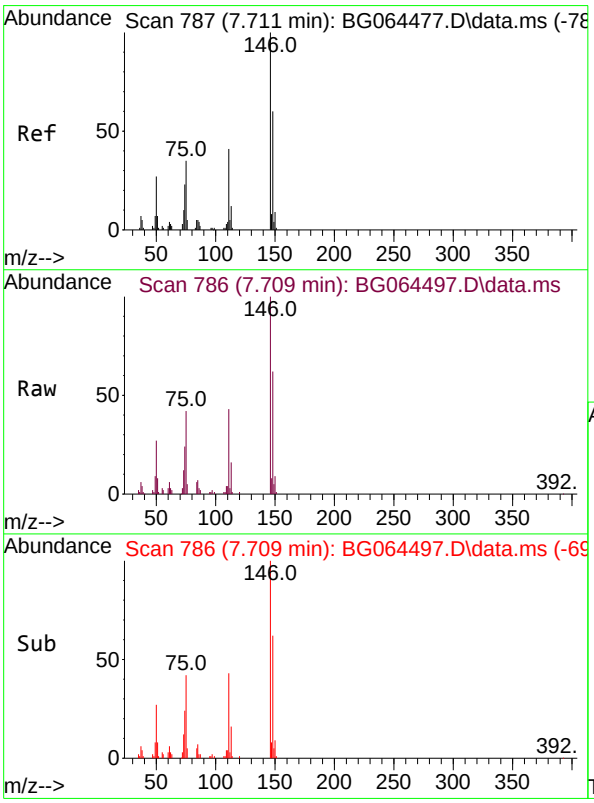
#11
bis(2-Chloroethyl)ether
Concen: 41.049 ng
RT: 7.245 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

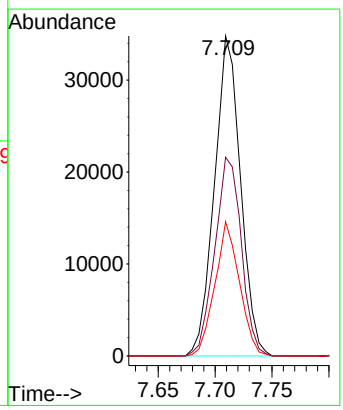


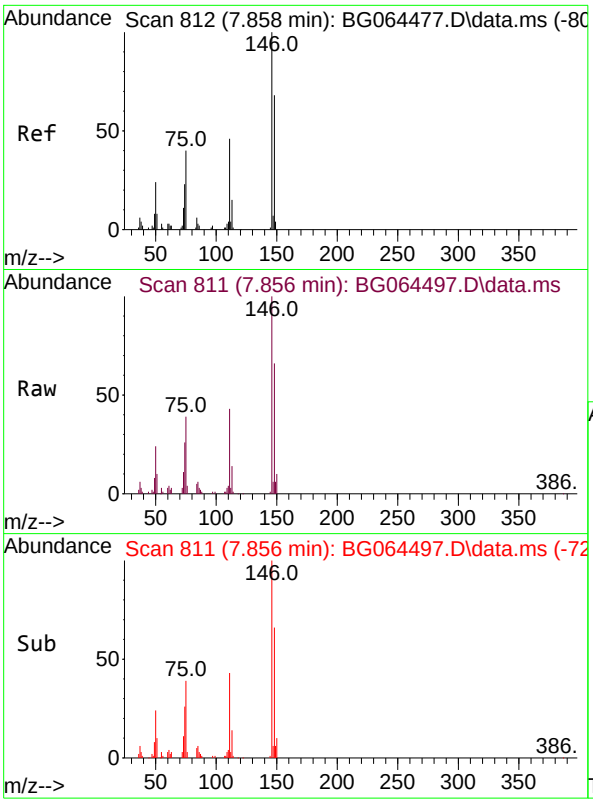


#12
1,3-Dichlorobenzene
Concen: 40.811 ng
RT: 7.709 min Scan# 786
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



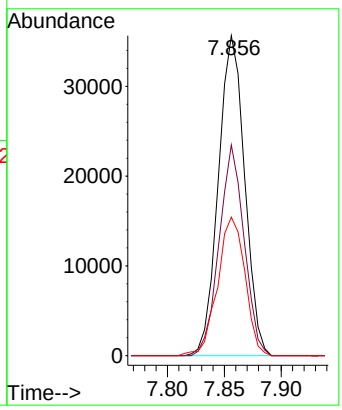


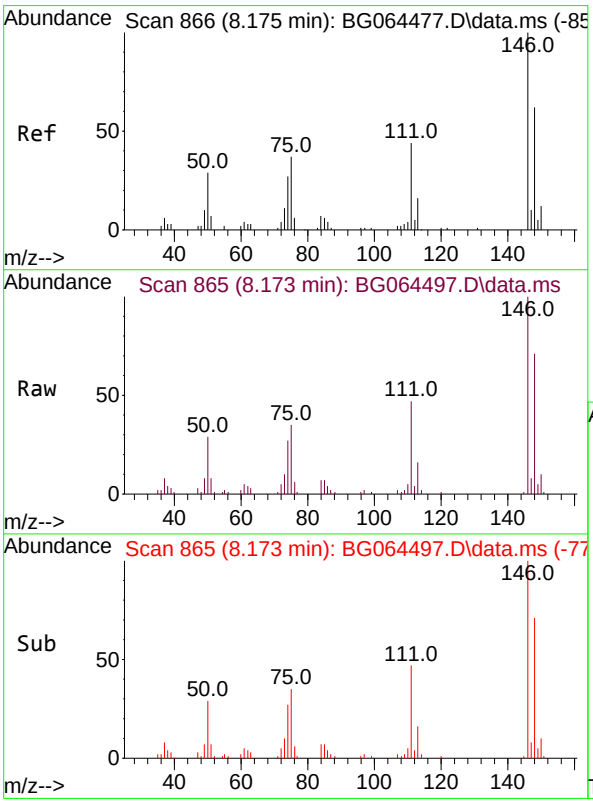
#13
1,4-Dichlorobenzene
Concen: 41.965 ng
RT: 7.856 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

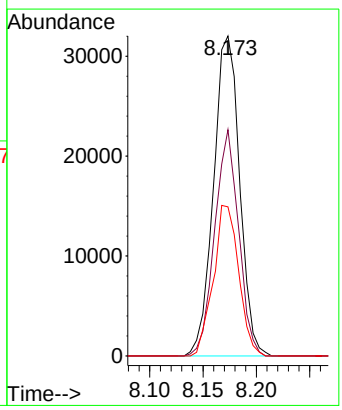


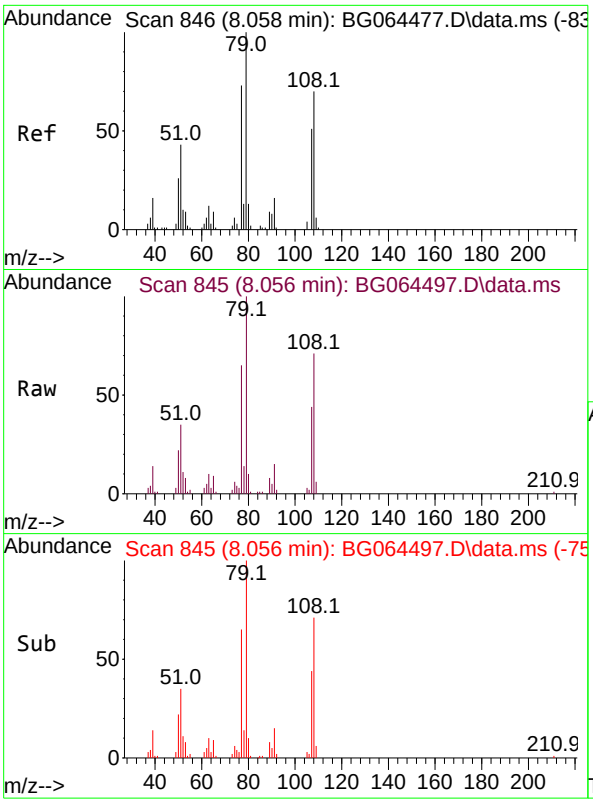


#14
1,2-Dichlorobenzene
Concen: 40.509 ng
RT: 8.173 min Scan# 865
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



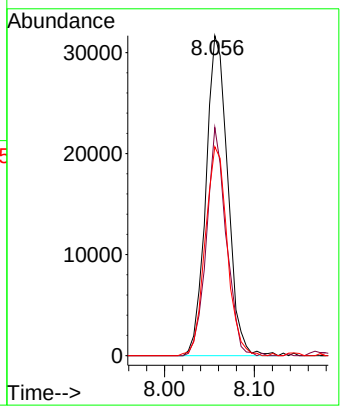


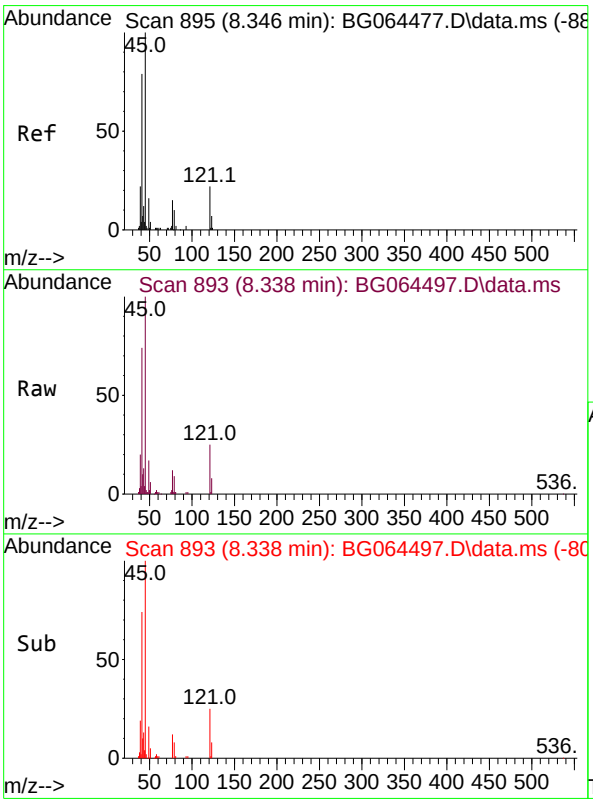
#15
Benzyl Alcohol
Concen: 42.742 ng
RT: 8.056 min Scan# 84
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

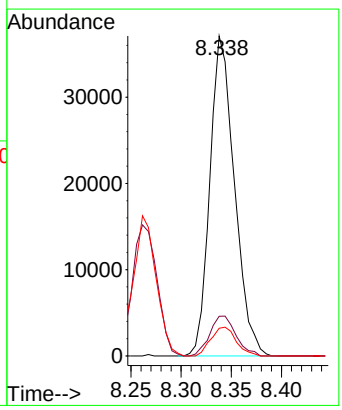


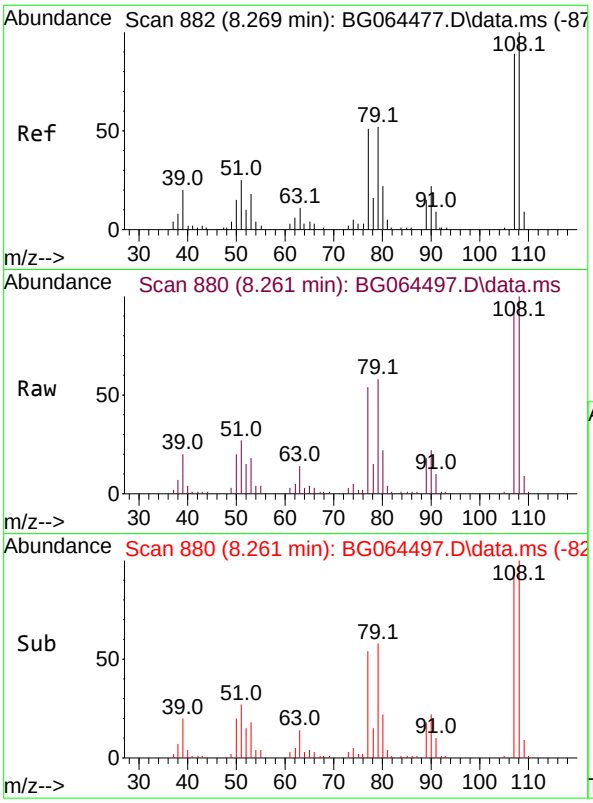


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.399 ng
RT: 8.338 min Scan# 893
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



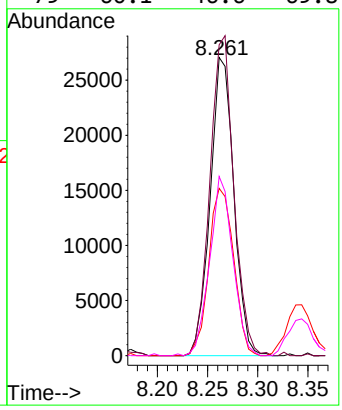


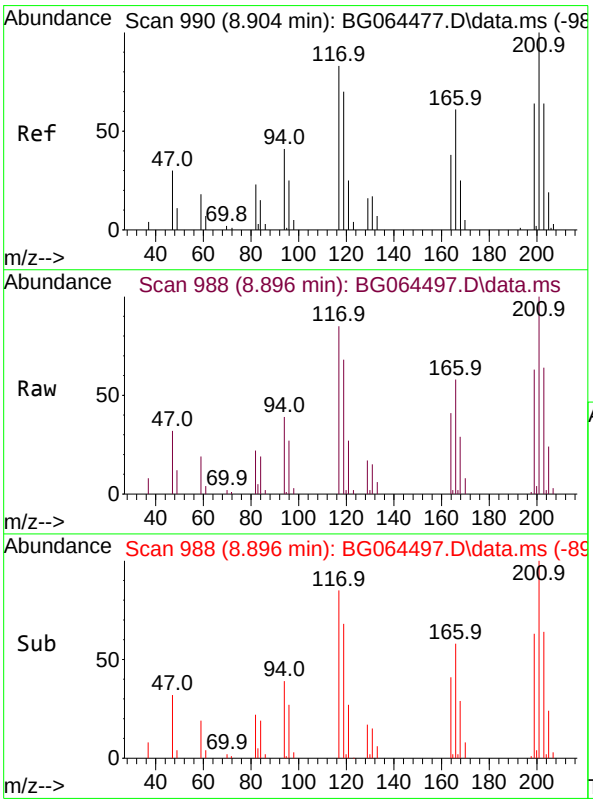
#17
2-Methylphenol
Concen: 42.768 ng
RT: 8.261 min Scan# 88
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

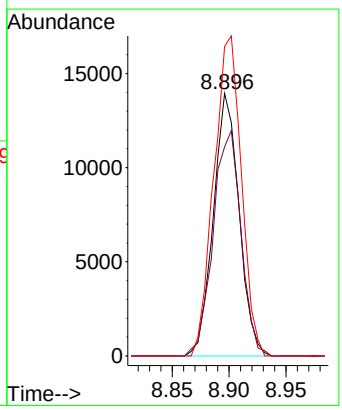


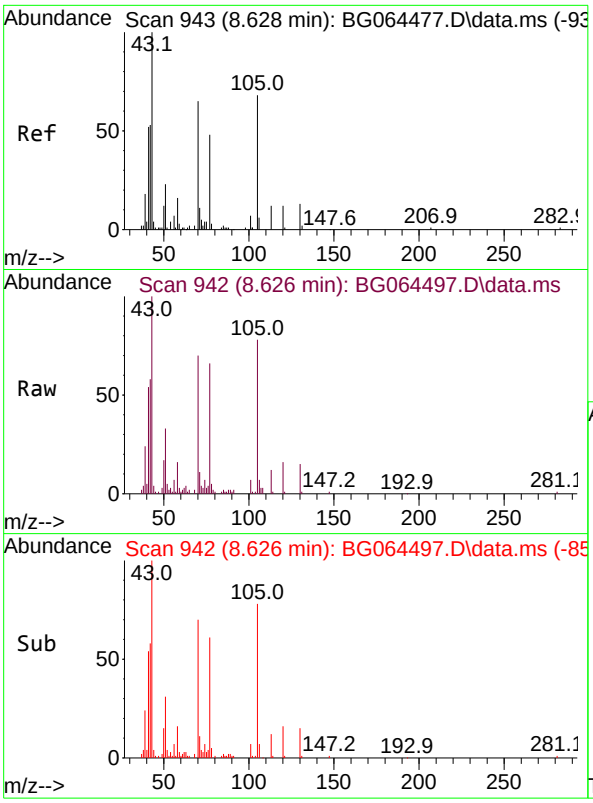


#18
Hexachloroethane
Concen: 40.648 ng
RT: 8.896 min Scan# 988
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



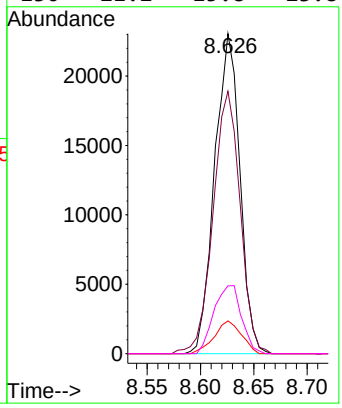


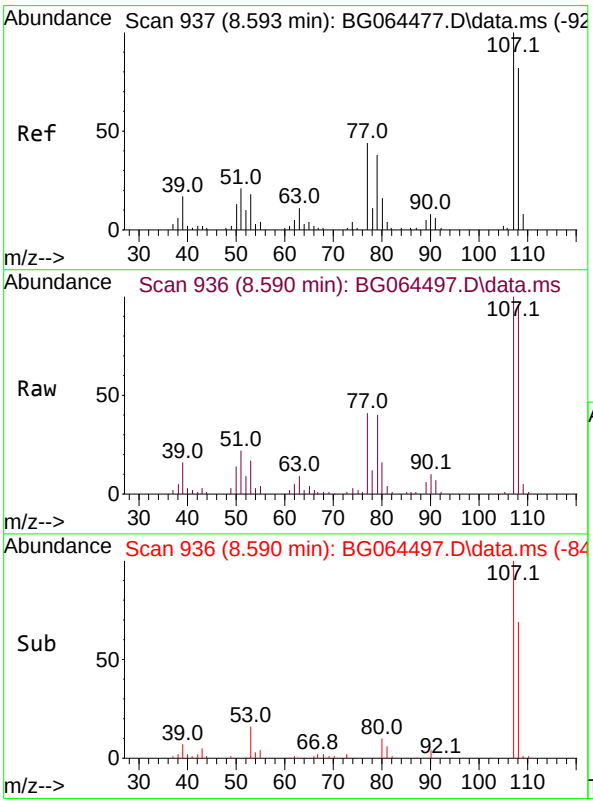
#19
n-Nitroso-di-n-propylamine
Concen: 41.761 ng
RT: 8.626 min Scan# 94
Delta R.T. 0.012 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

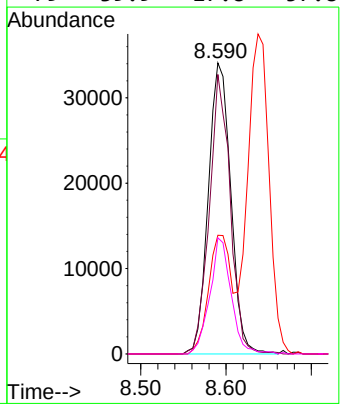


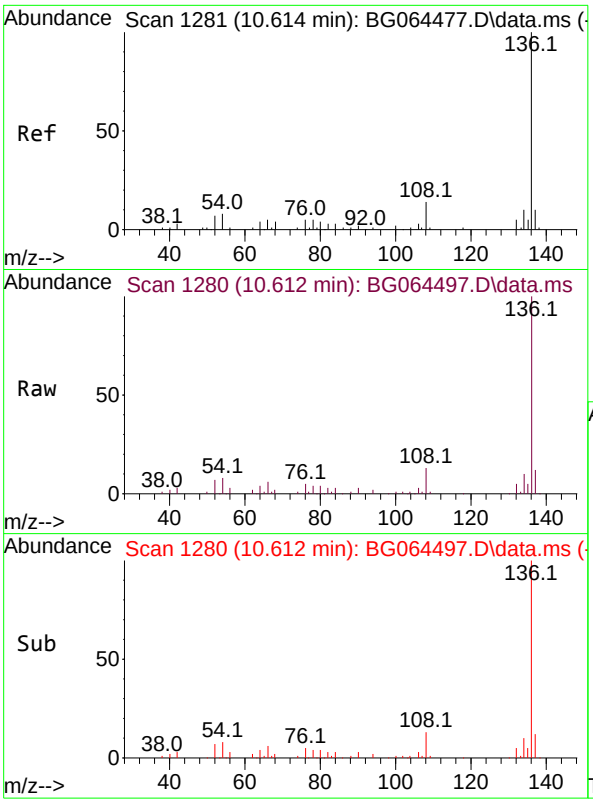


#20
3+4-Methylphenols
Concen: 43.000 ng
RT: 8.590 min Scan# 936
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



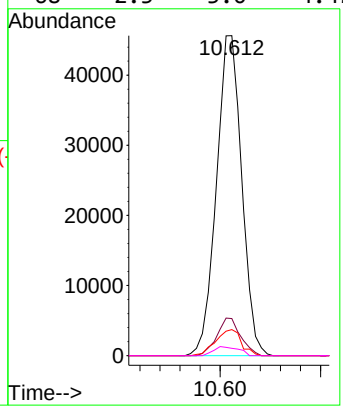


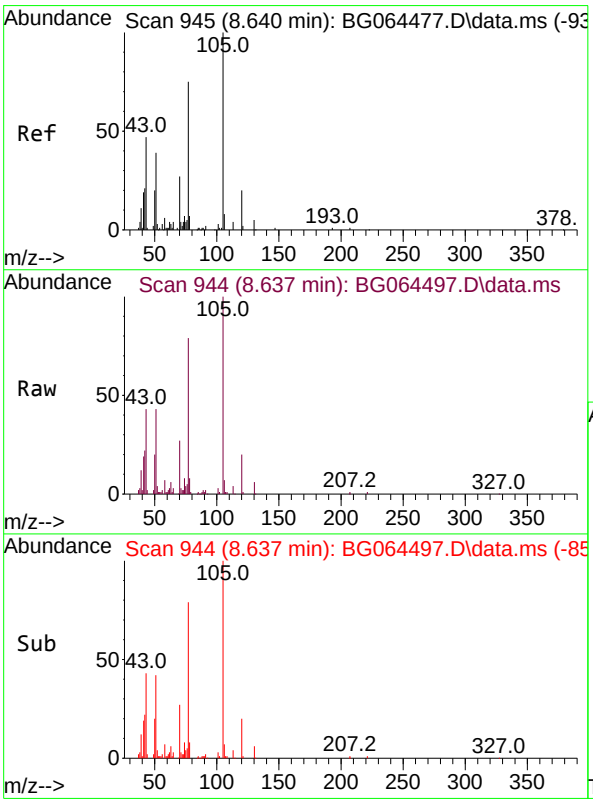
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.612 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 80006

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.3	12.5
54	8.1	6.2	9.4
68	2.3	3.0	4.4#

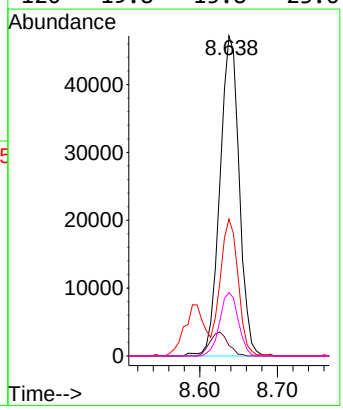


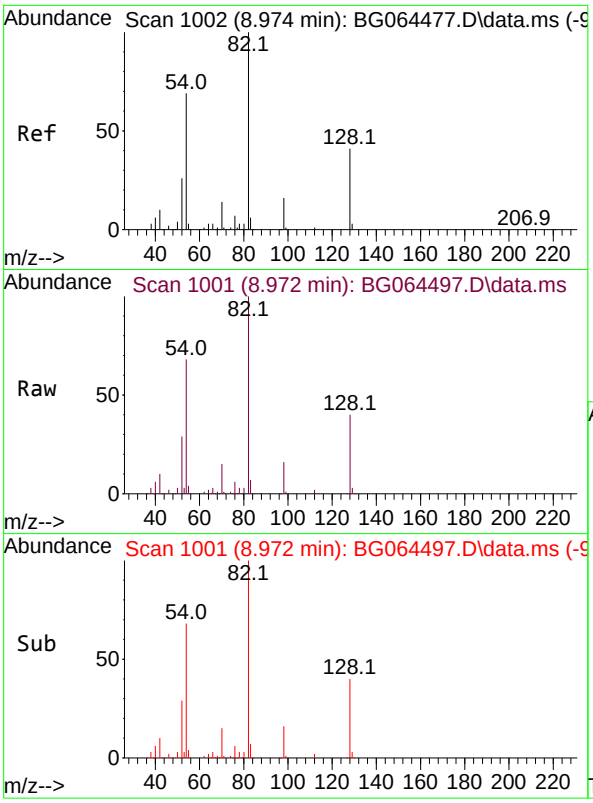


#22
Acetophenone
Concen: 42.261 ng
RT: 8.637 min Scan# 944
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:105 Resp: 81867

Ion	Ratio	Lower	Upper
105	100		
71	3.2	2.8	4.2
51	42.7	33.0	49.4
120	19.8	15.8	23.6



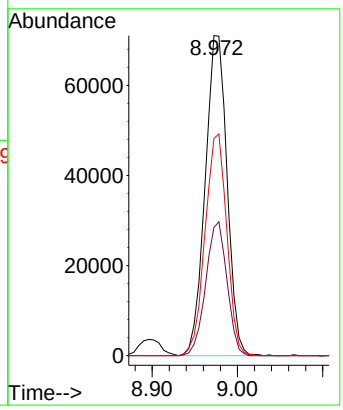


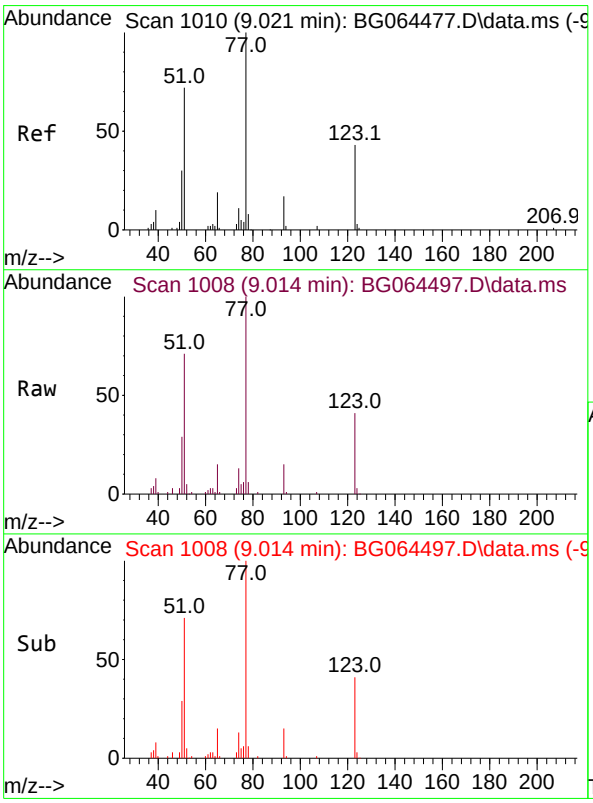
#23
Nitrobenzene-d5
Concen: 85.113 ng
RT: 8.972 min Scan# 10
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

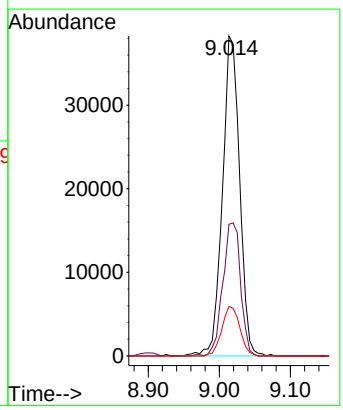


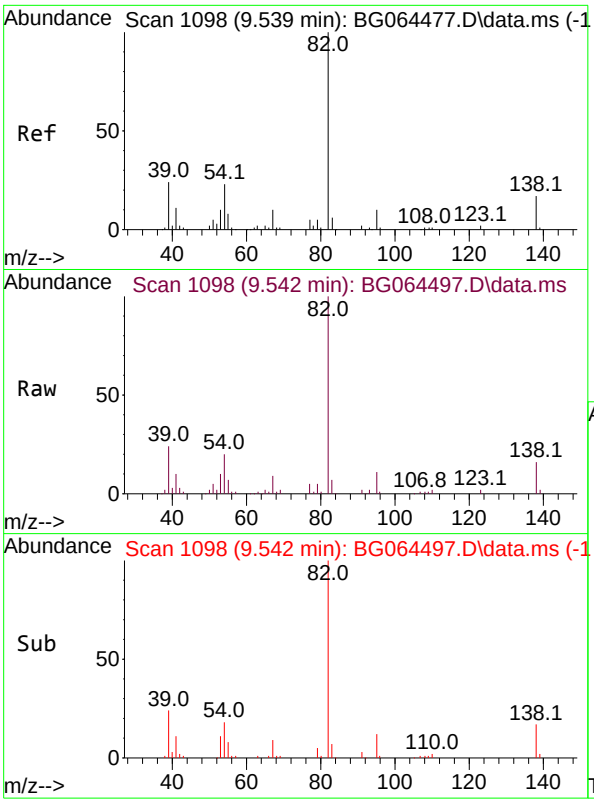


#24
Nitrobenzene
Concen: 43.450 ng
RT: 9.014 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



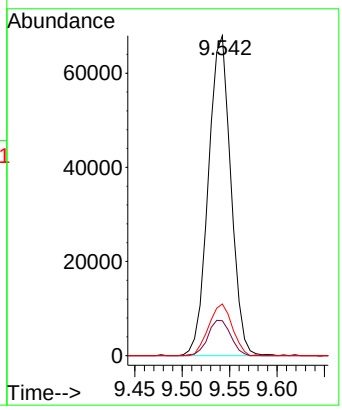


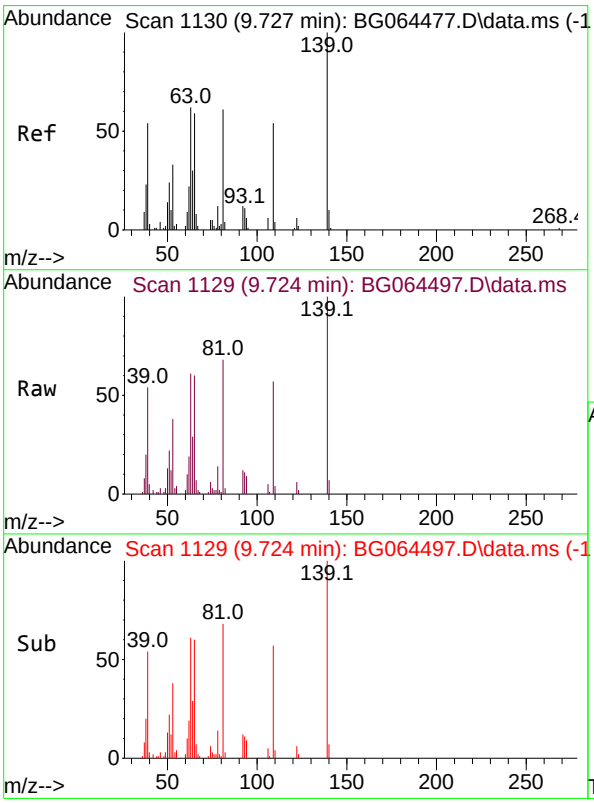
#25
Isophorone
Concen: 41.602 ng
RT: 9.542 min Scan# 1
Delta R.T. 0.012 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

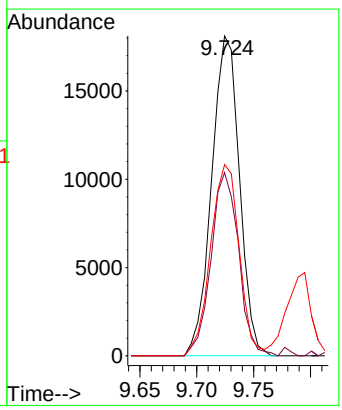


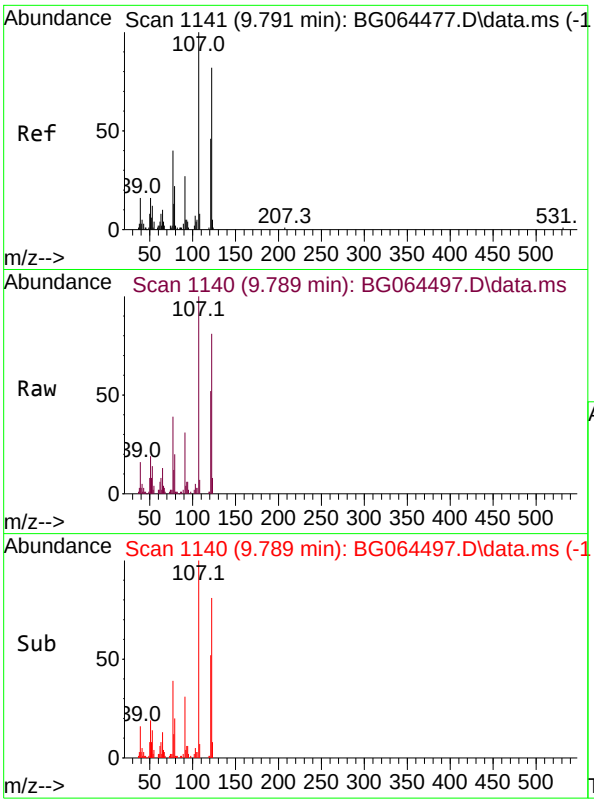


#26
2-Nitrophenol
Concen: 41.738 ng
RT: 9.724 min Scan# 1129
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



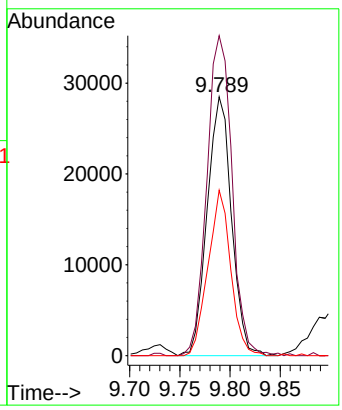


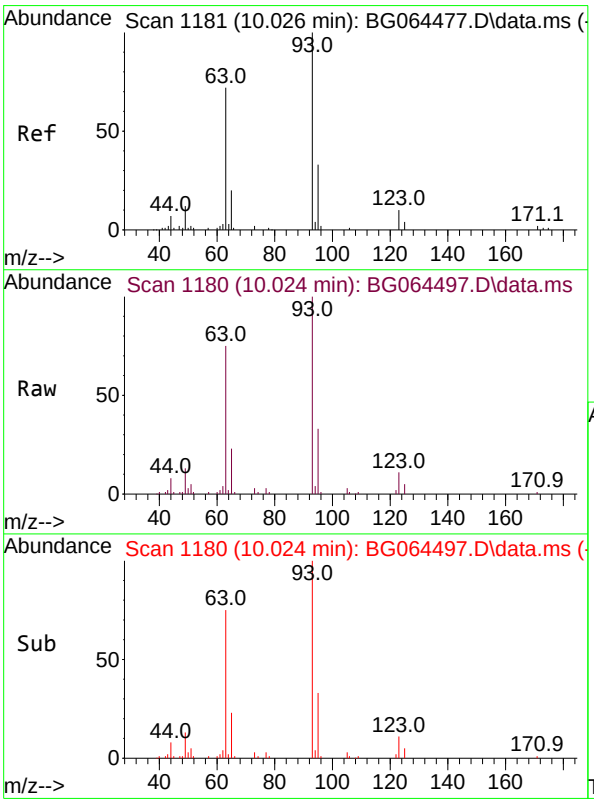
#27
2,4-Dimethylphenol
Concen: 42.637 ng
RT: 9.789 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

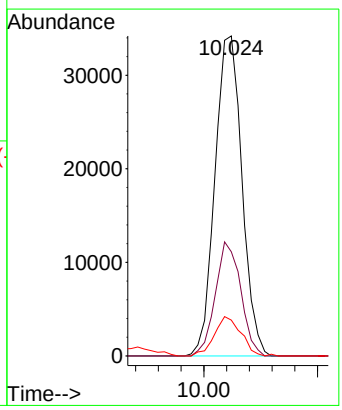


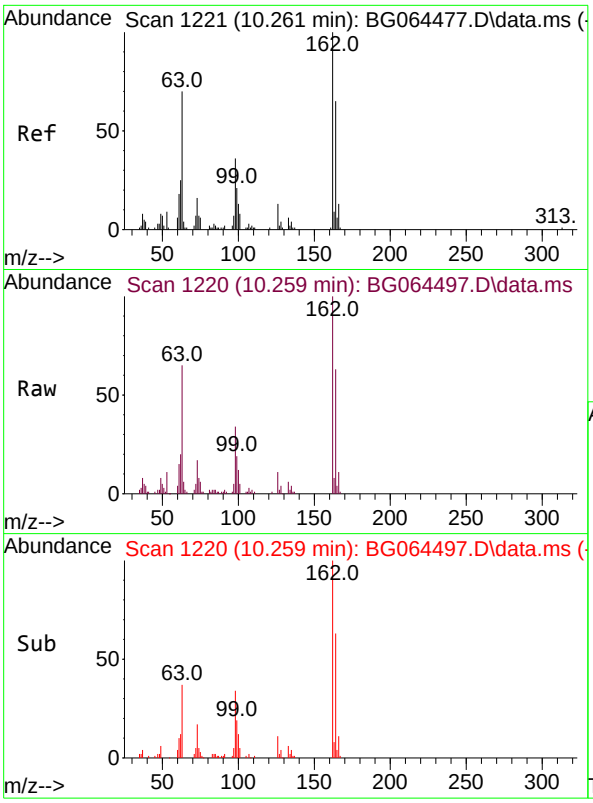


#28
bis(2-Chloroethoxy)methane
Concen: 41.065 ng
RT: 10.024 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



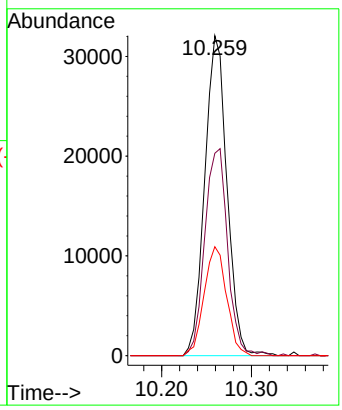


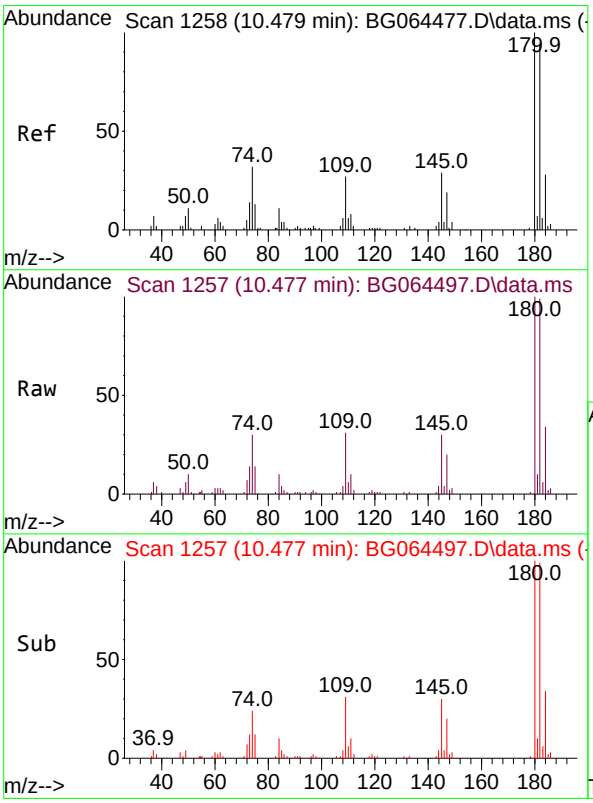
#29
2,4-Dichlorophenol
Concen: 42.459 ng
RT: 10.259 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

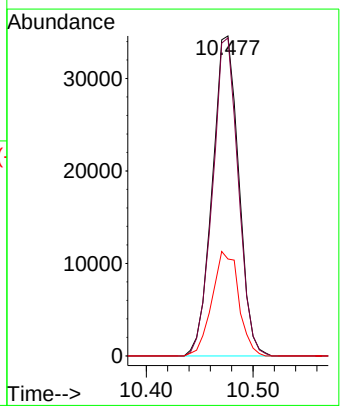


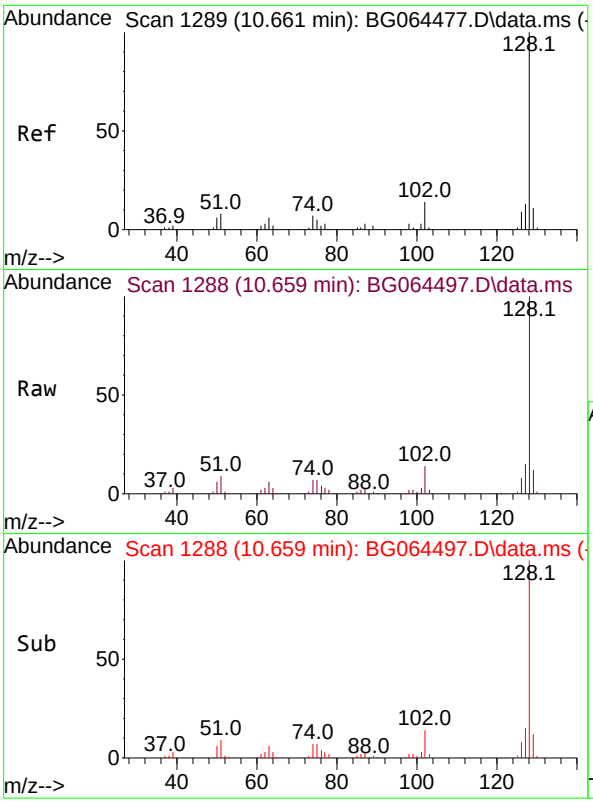


#30
1,2,4-Trichlorobenzene
Concen: 41.783 ng
RT: 10.477 min Scan# 1257
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



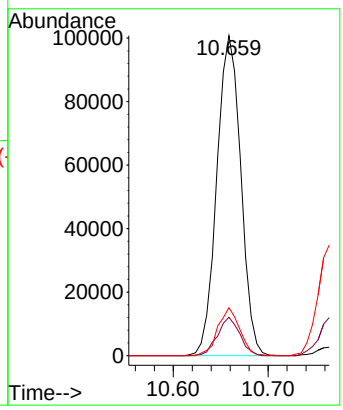


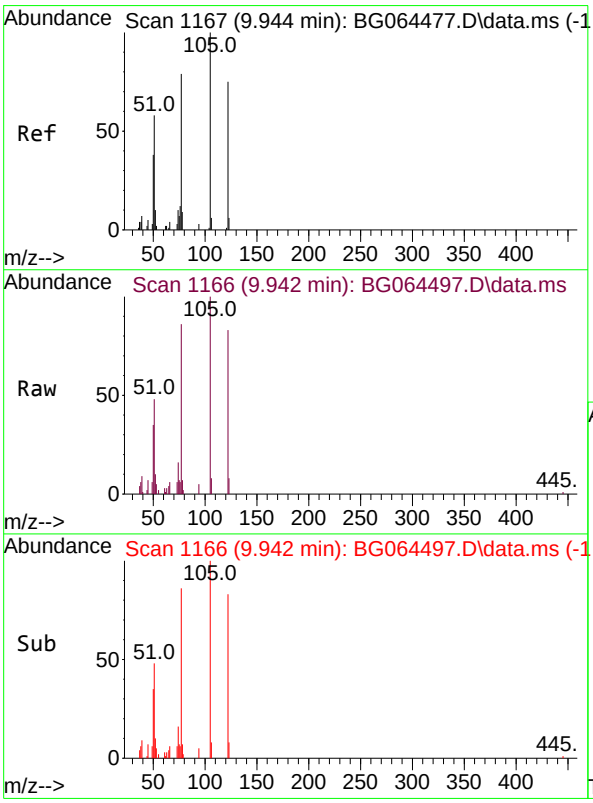
#31
Naphthalene
Concen: 42.998 ng
RT: 10.659 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

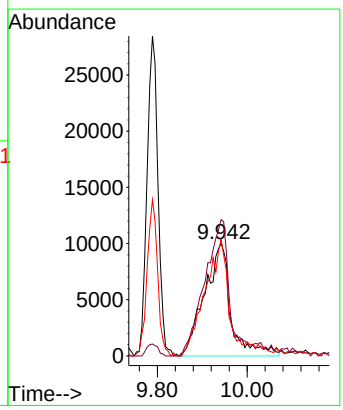


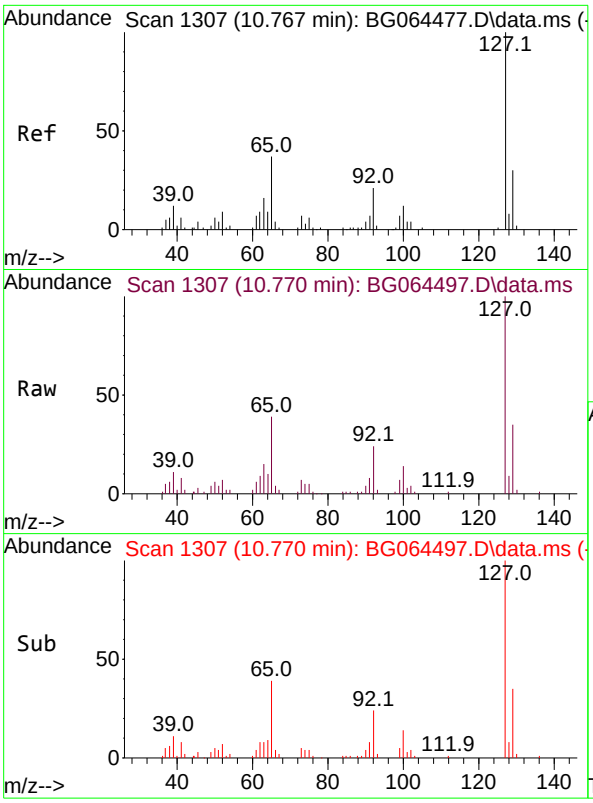


#32
Benzoic acid
Concen: 47.298 ng
RT: 9.942 min Scan# 1166
Delta R.T. 0.053 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



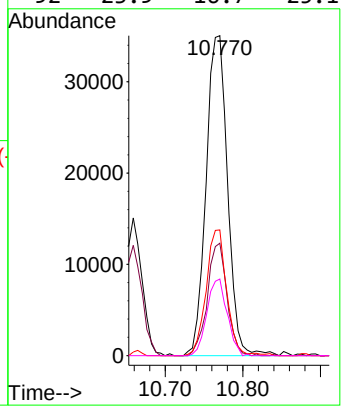


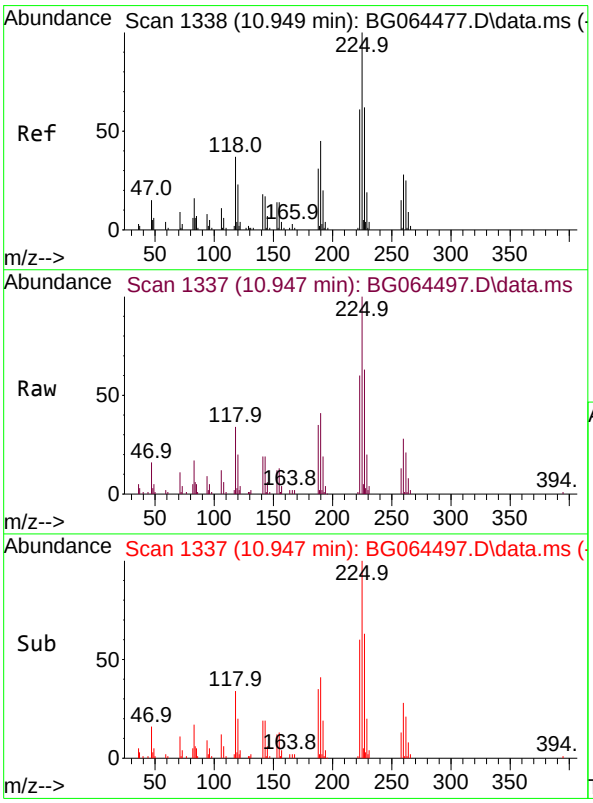
#33
4-Chloroaniline
Concen: 42.662 ng
RT: 10.770 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

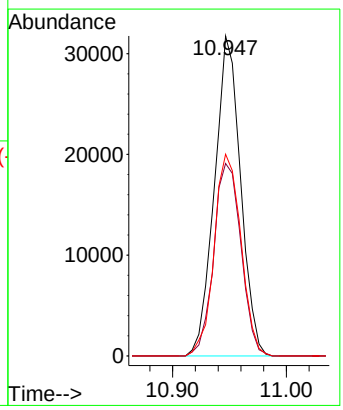


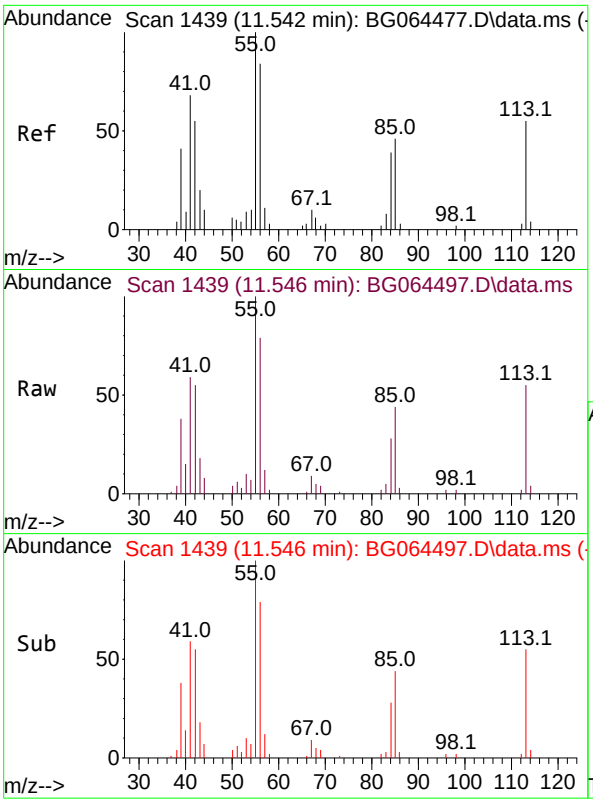


#34
Hexachlorobutadiene
Concen: 41.526 ng
RT: 10.947 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



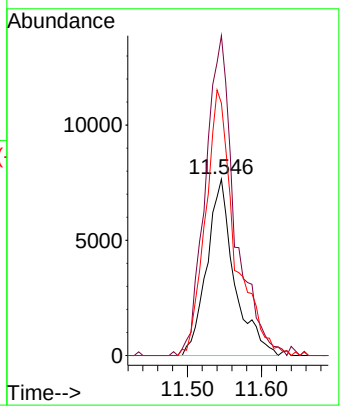


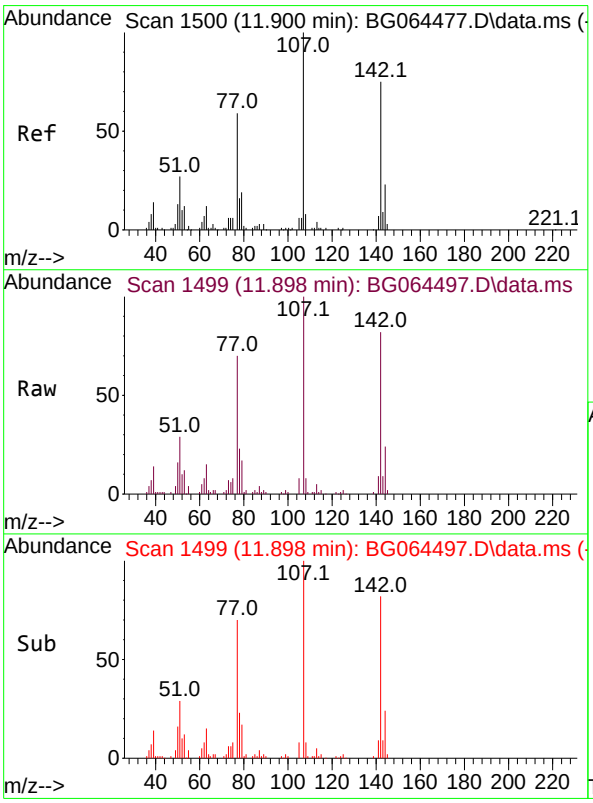
#35
Caprolactam
Concen: 44.240 ng
RT: 11.546 min Scan# 14
Delta R.T. 0.036 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

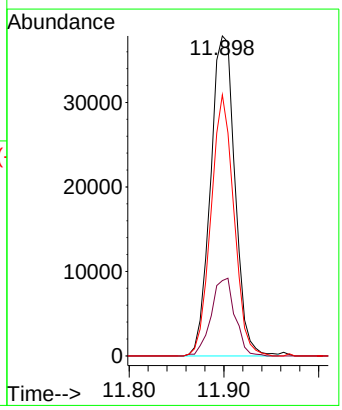


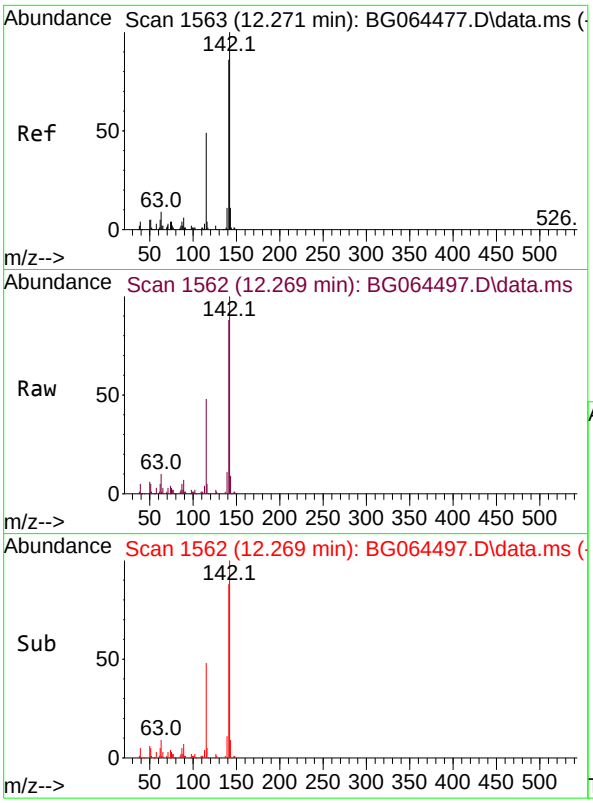


#36
4-Chloro-3-methylphenol
Concen: 42.822 ng
RT: 11.898 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



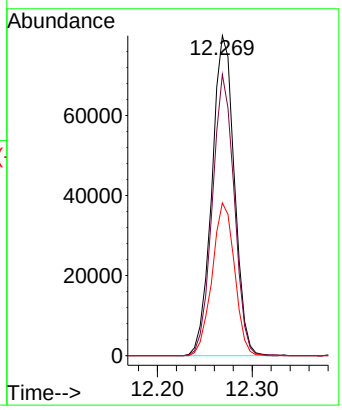


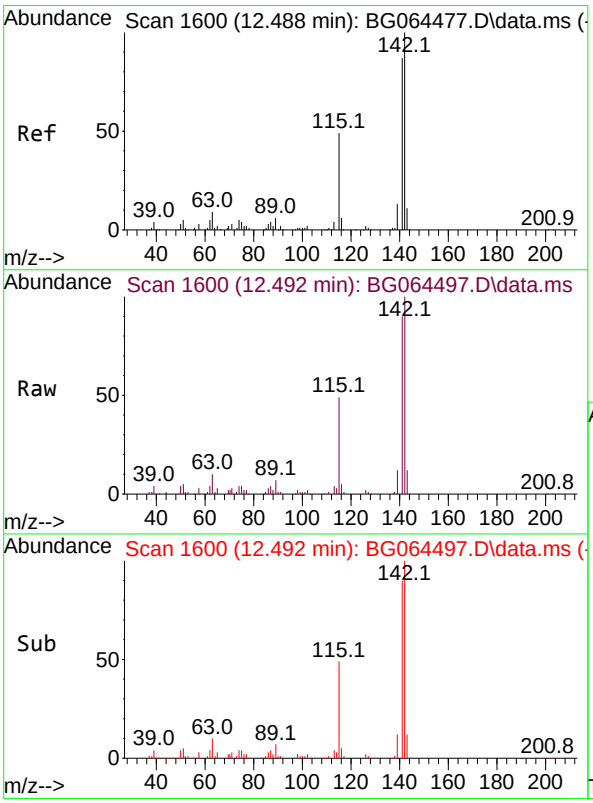
#37
2-Methylnaphthalene
Concen: 41.637 ng
RT: 12.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

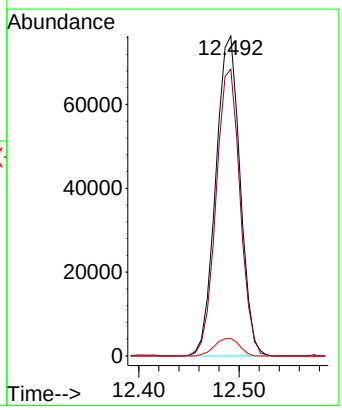


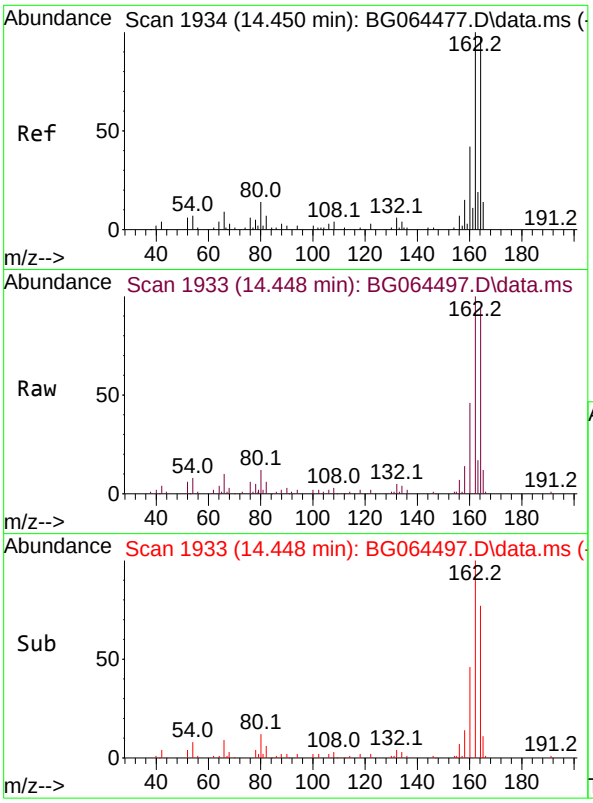


#38
1-Methylnaphthalene
Concen: 40.754 ng
RT: 12.492 min Scan# 1600
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



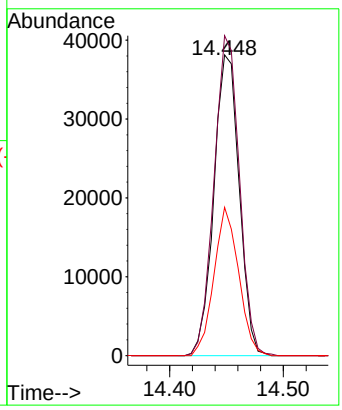


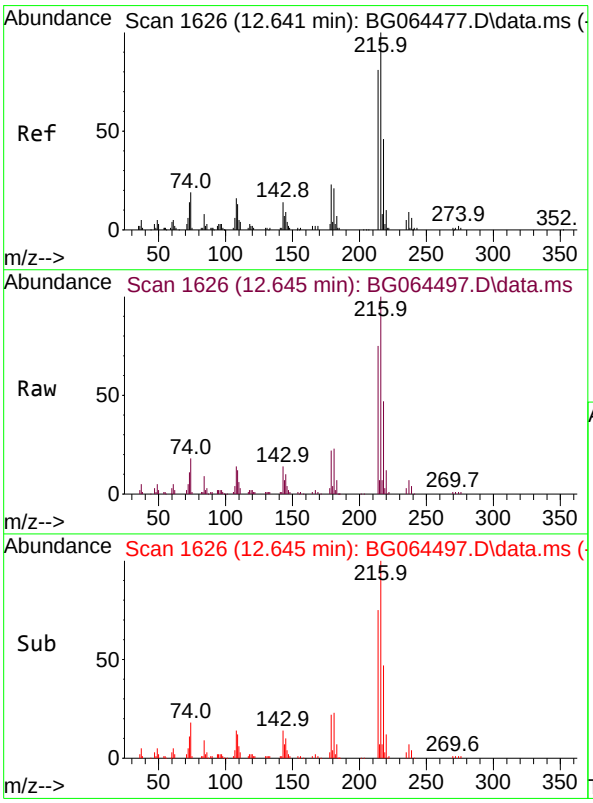
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.448 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

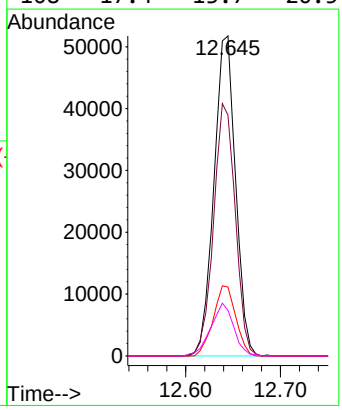


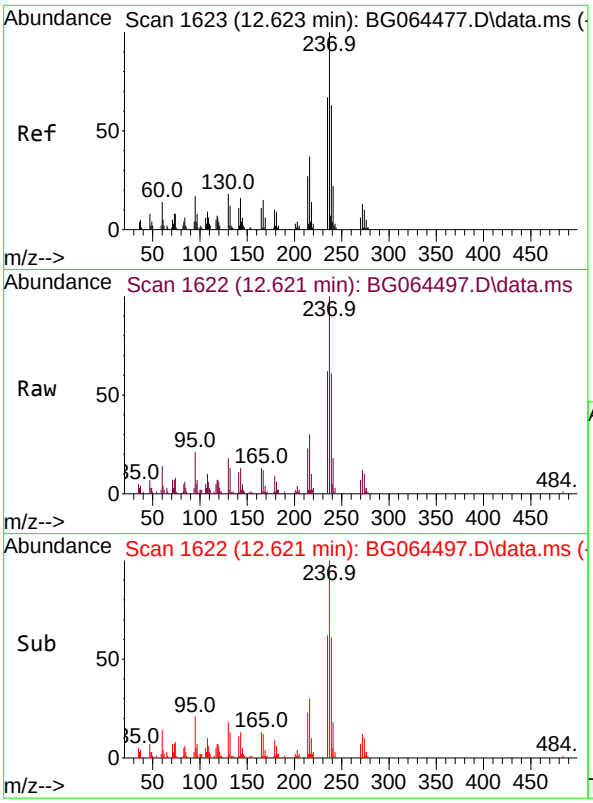


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.069 ng
RT: 12.645 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



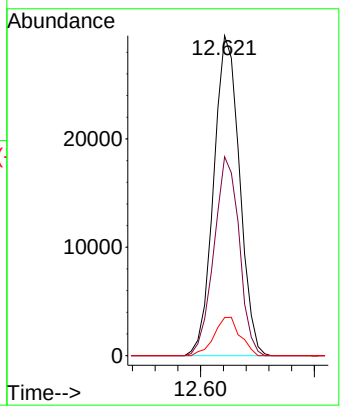


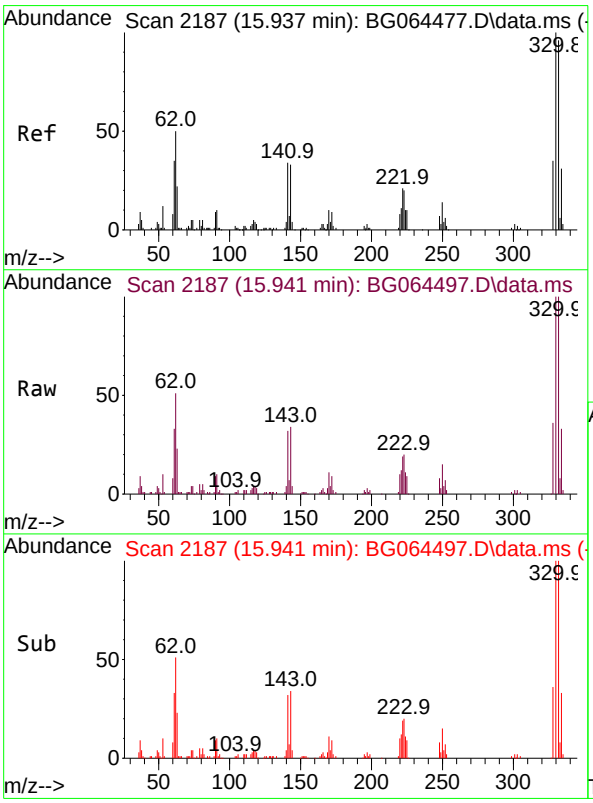
#41
Hexachlorocyclopentadiene
Concen: 46.753 ng
RT: 12.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 46569

Ion	Ratio	Lower	Upper
237	100		
235	62.1	46.9	86.9
272	11.9	0.0	32.6

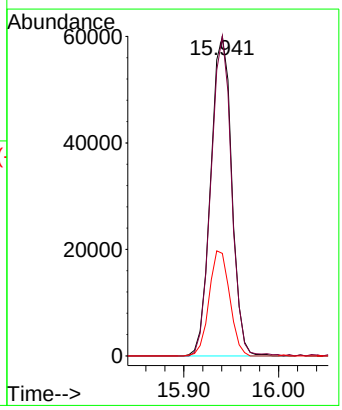


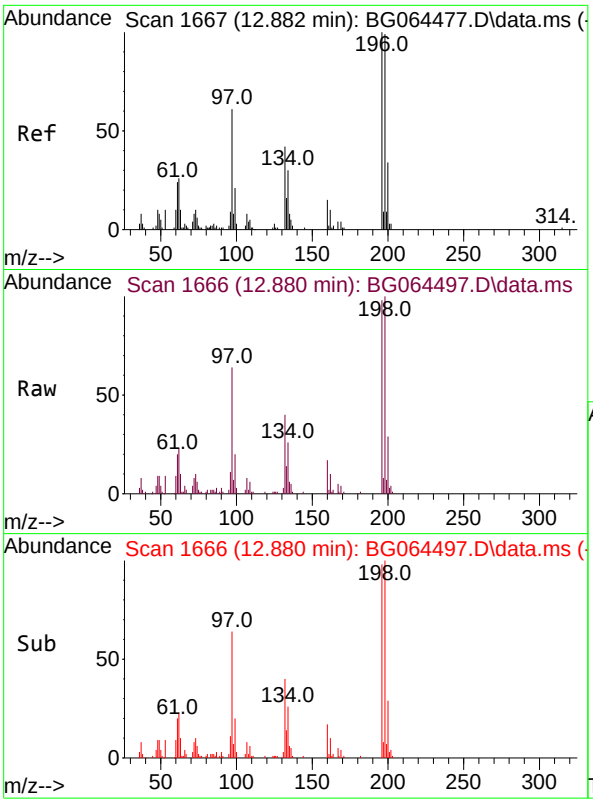


#42
2,4,6-Tribromophenol
Concen: 86.438 ng
RT: 15.941 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:330 Resp: 92403

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.0
141	32.2	25.8	38.6



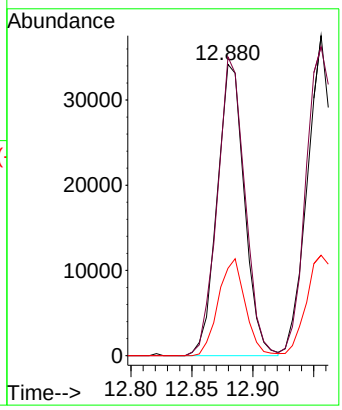


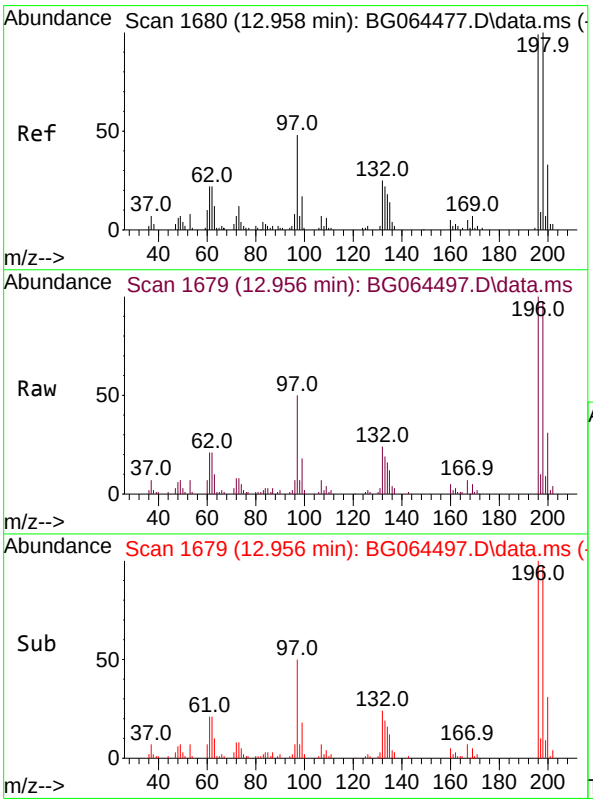
#43
2,4,6-Trichlorophenol
Concen: 43.864 ng
RT: 12.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

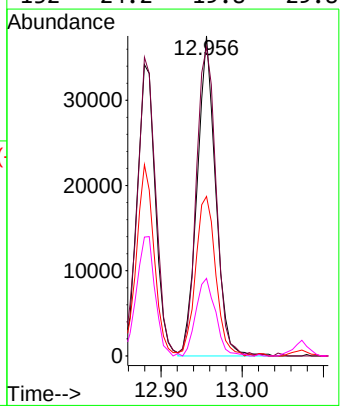


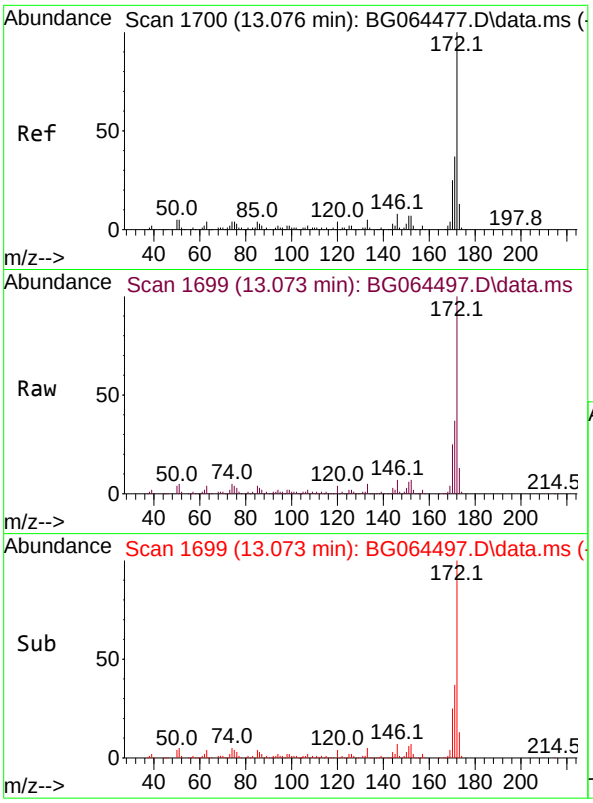


#44
2,4,5-Trichlorophenol
Concen: 43.692 ng
RT: 12.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



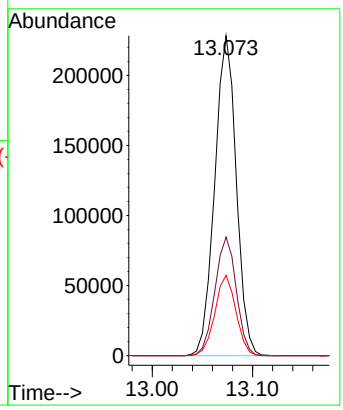


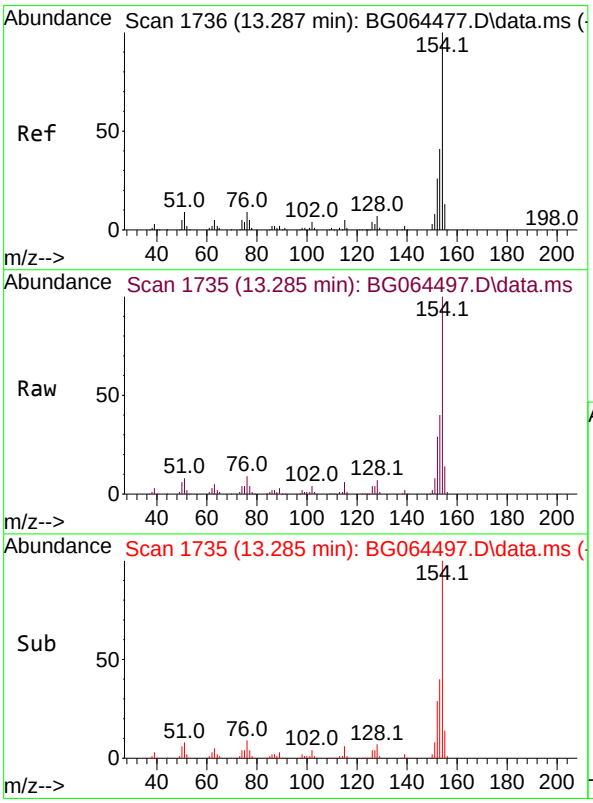
#45
2-Fluorobiphenyl
Concen: 85.220 ng
RT: 13.073 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

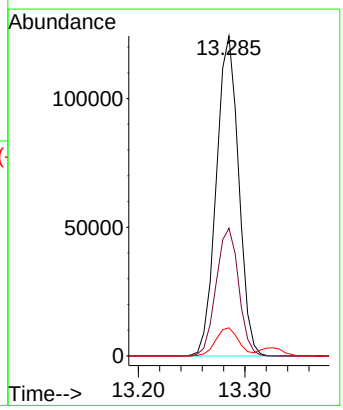


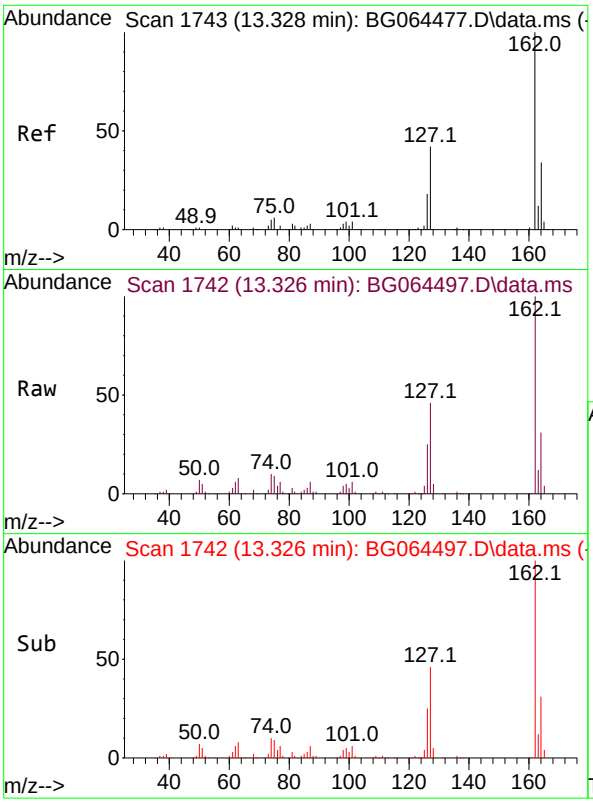


#46
1,1'-Biphenyl
Concen: 42.720 ng
RT: 13.285 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



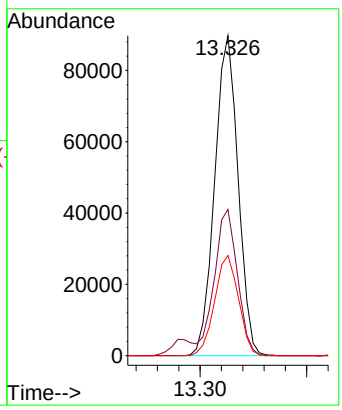


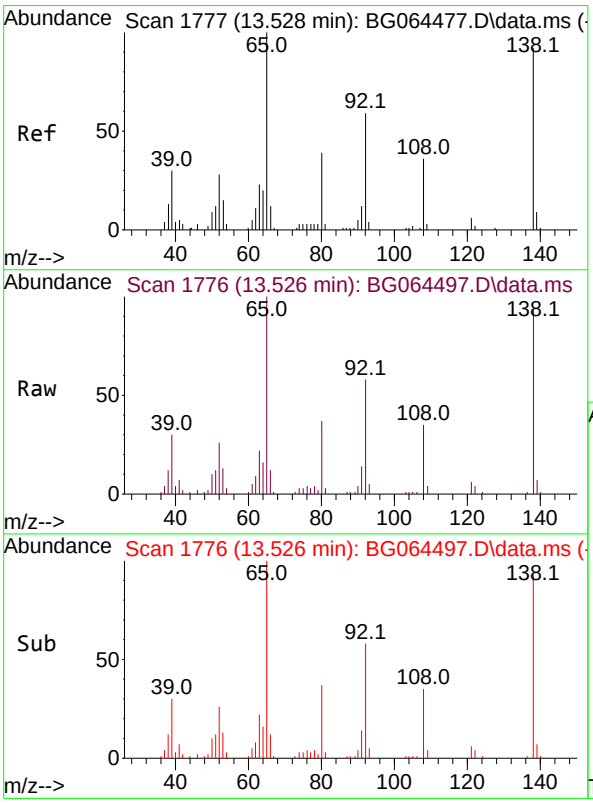
#47
2-Chloronaphthalene
Concen: 43.189 ng
RT: 13.326 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

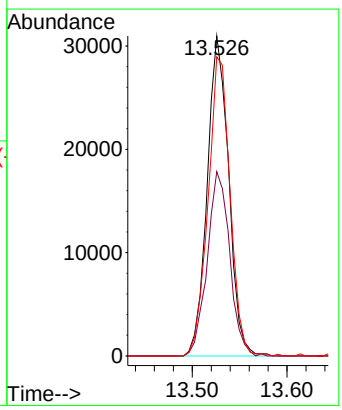


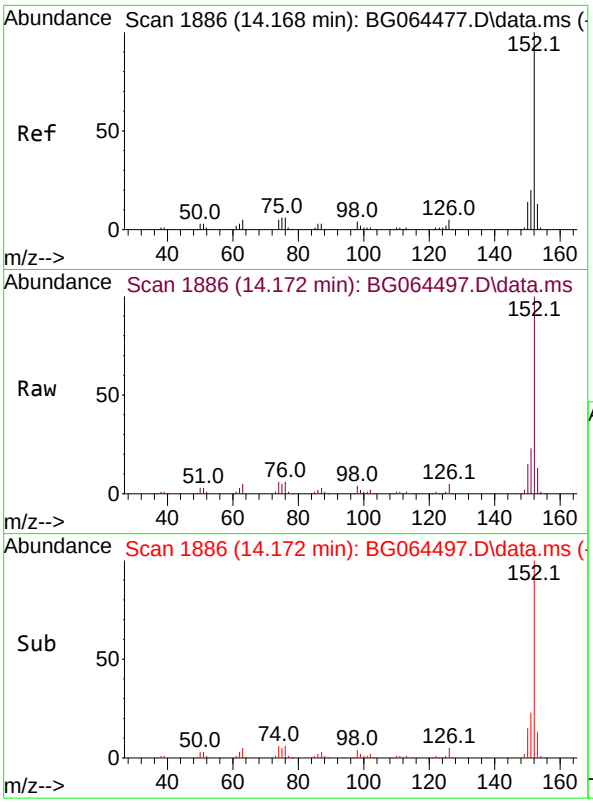


#48
2-Nitroaniline
Concen: 45.105 ng
RT: 13.526 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



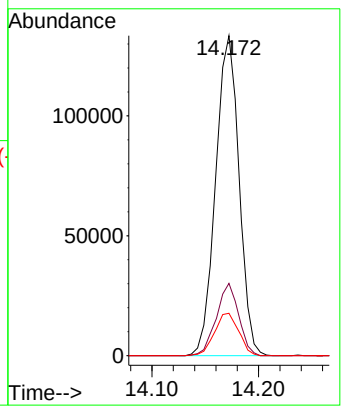


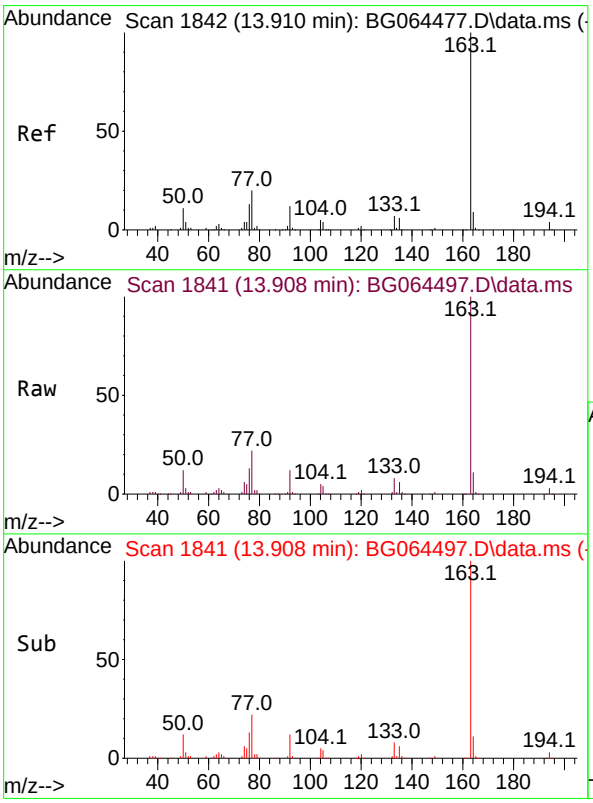
#49
Acenaphthylene
Concen: 43.330 ng
RT: 14.172 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

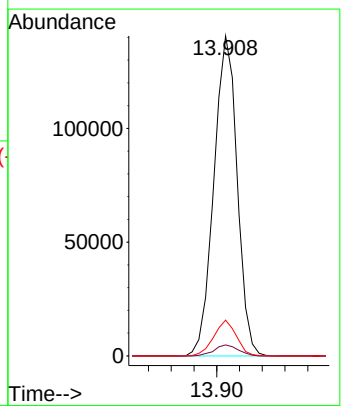


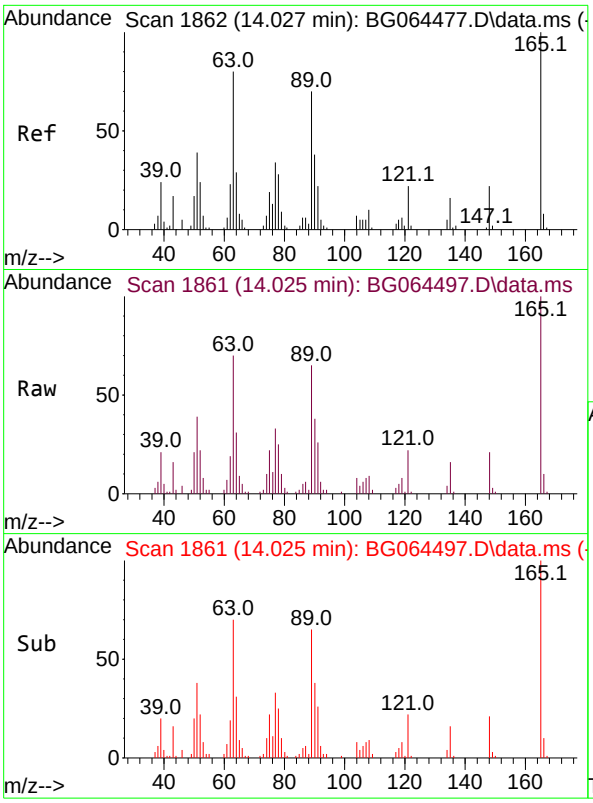


#50
Dimethylphthalate
Concen: 43.309 ng
RT: 13.908 min Scan# 1841
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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#



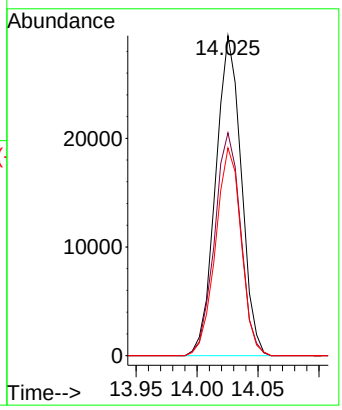


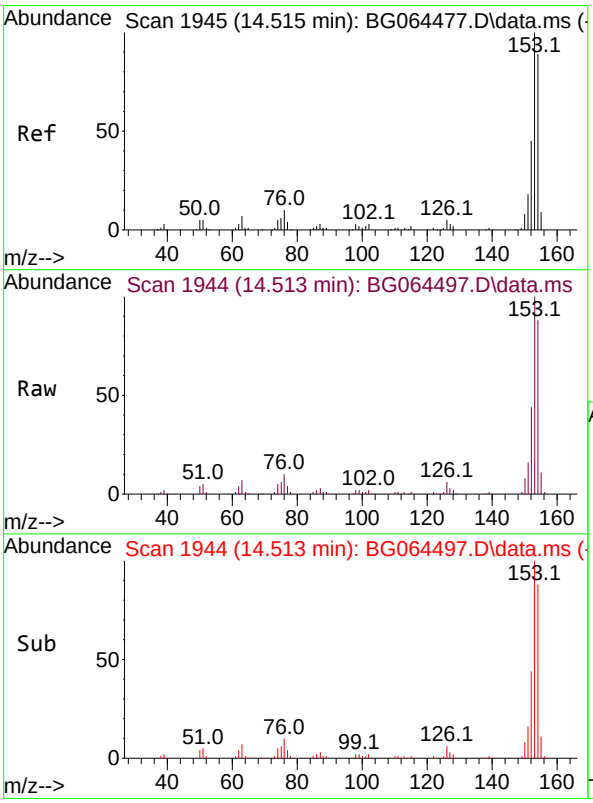
#51
2,6-Dinitrotoluene
Concen: 44.782 ng
RT: 14.025 min Scan# 18
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

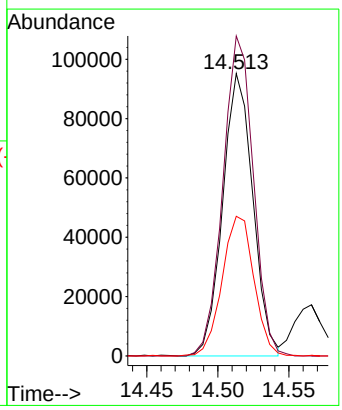


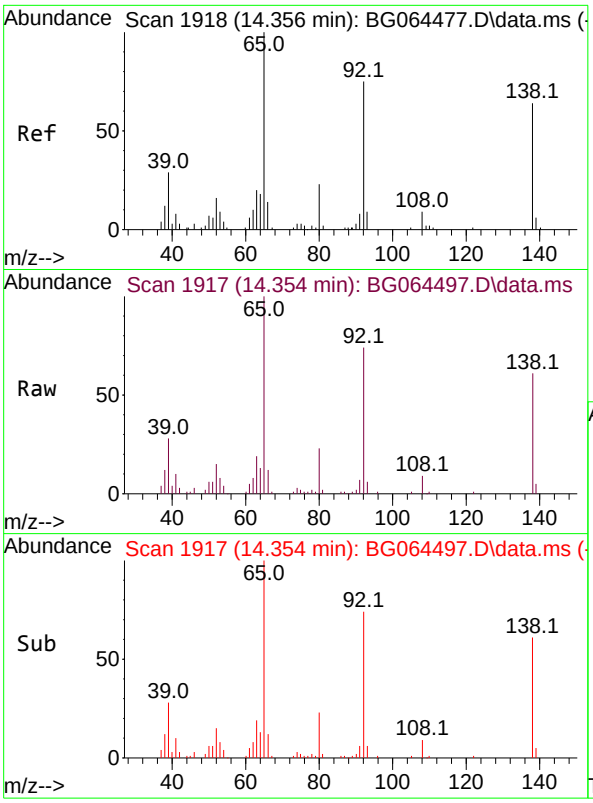


#52
Acenaphthene
Concen: 43.017 ng
RT: 14.513 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



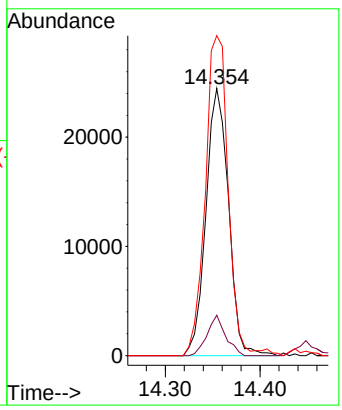


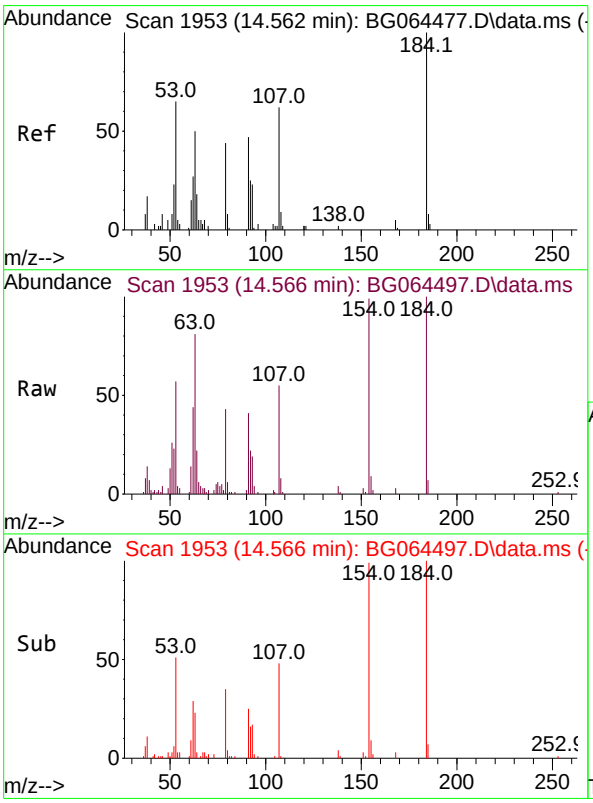
#53
3-Nitroaniline
Concen: 45.643 ng
RT: 14.354 min Scan# 19
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

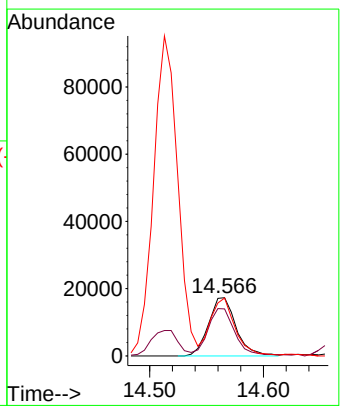


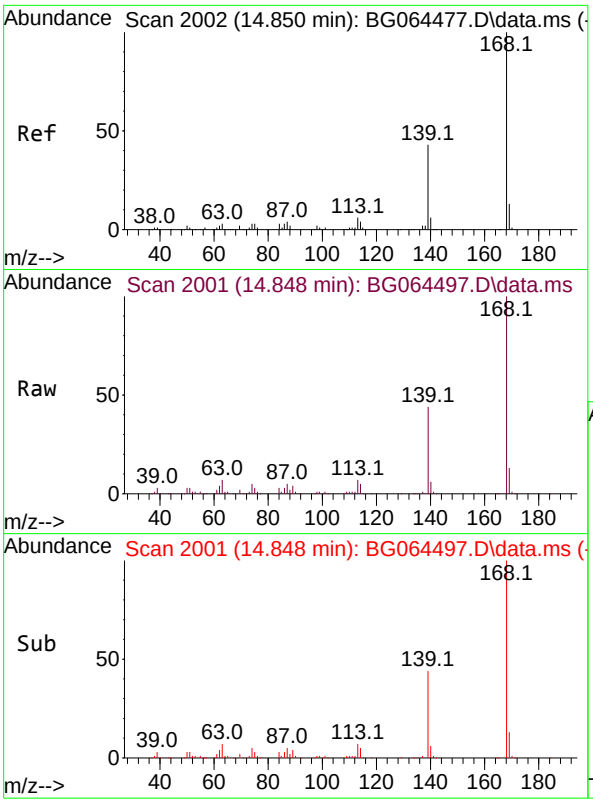


#54
2,4-Dinitrophenol
Concen: 41.640 ng
RT: 14.566 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



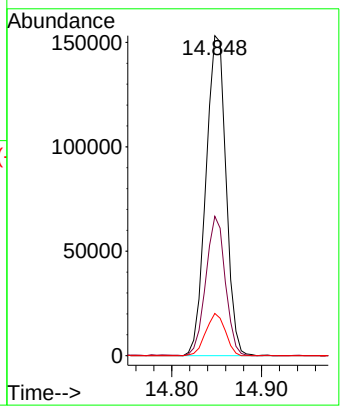


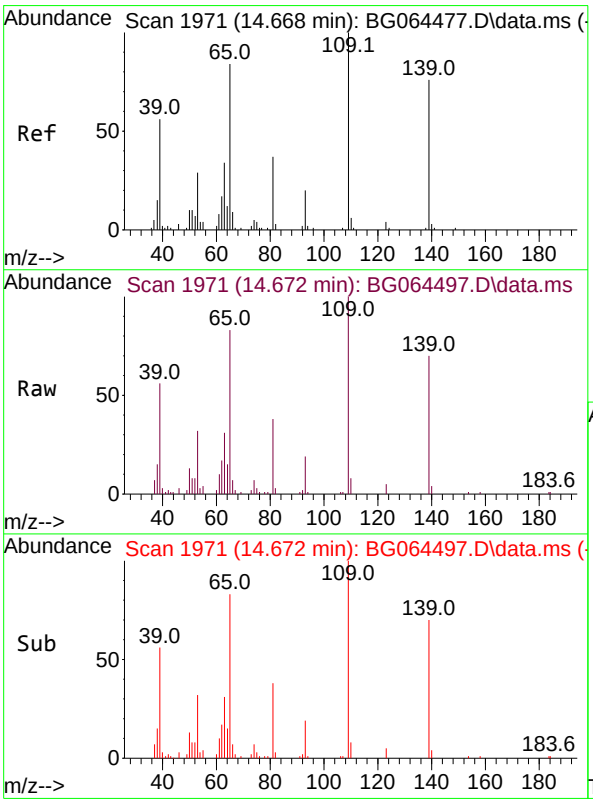
#55
Dibenzofuran
Concen: 44.036 ng
RT: 14.848 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

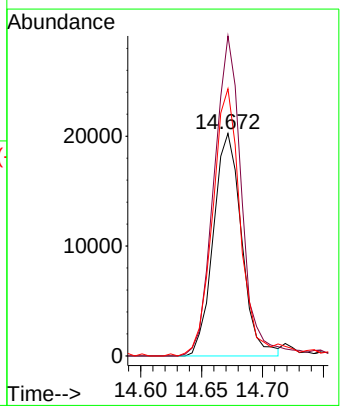


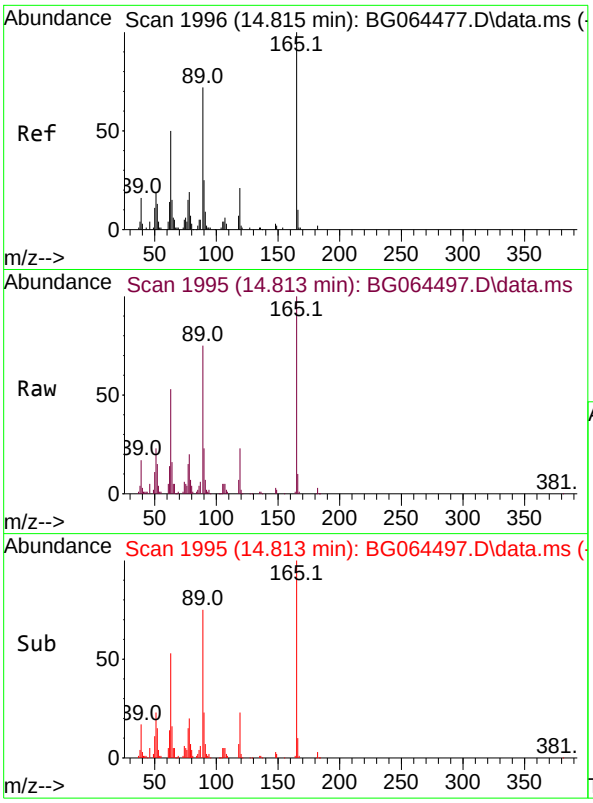


#56
4-Nitrophenol
Concen: 46.731 ng
RT: 14.672 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



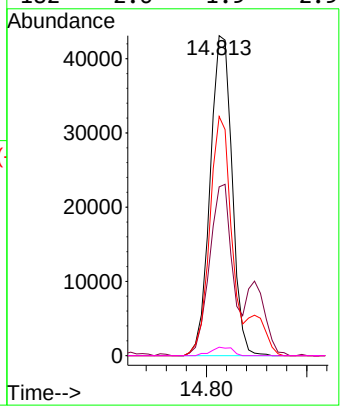


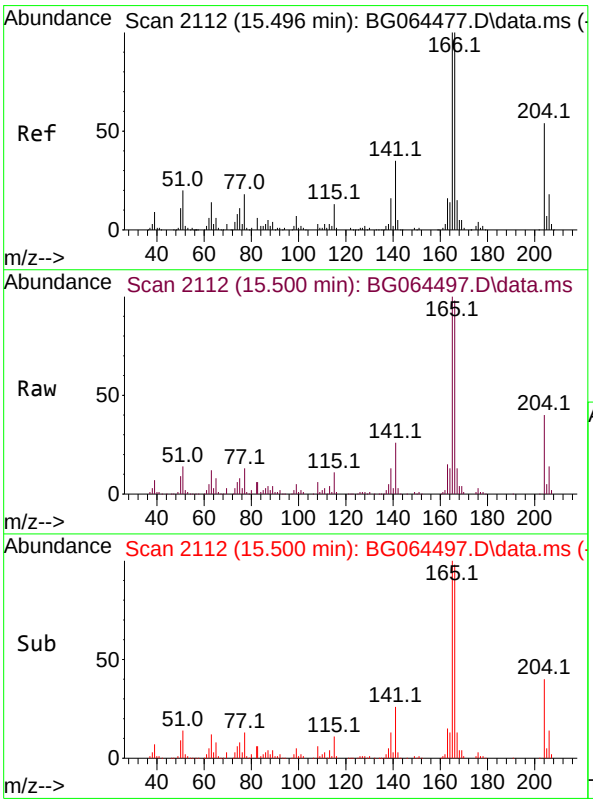
#57
2,4-Dinitrotoluene
Concen: 44.495 ng
RT: 14.813 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

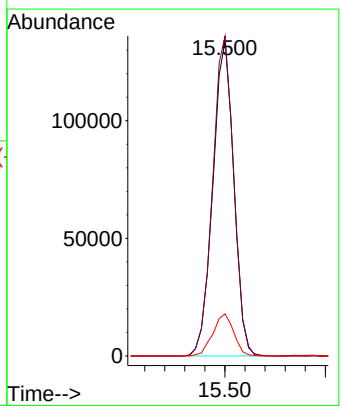


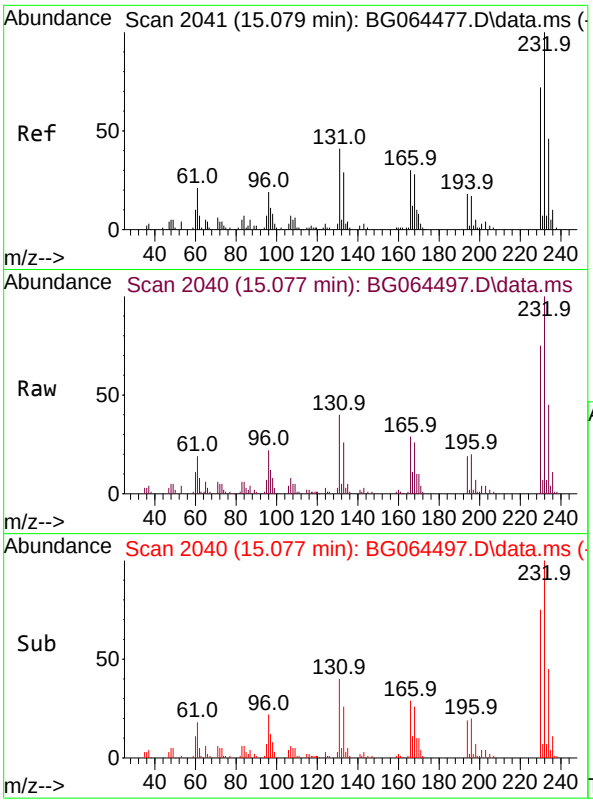


#58
Fluorene
Concen: 43.334 ng
RT: 15.500 min Scan# 2112
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



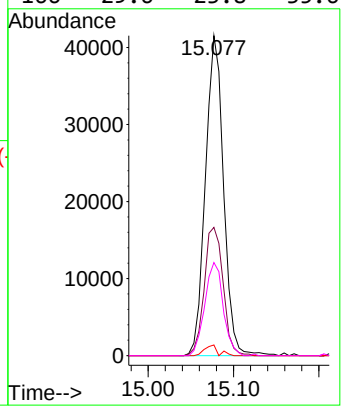


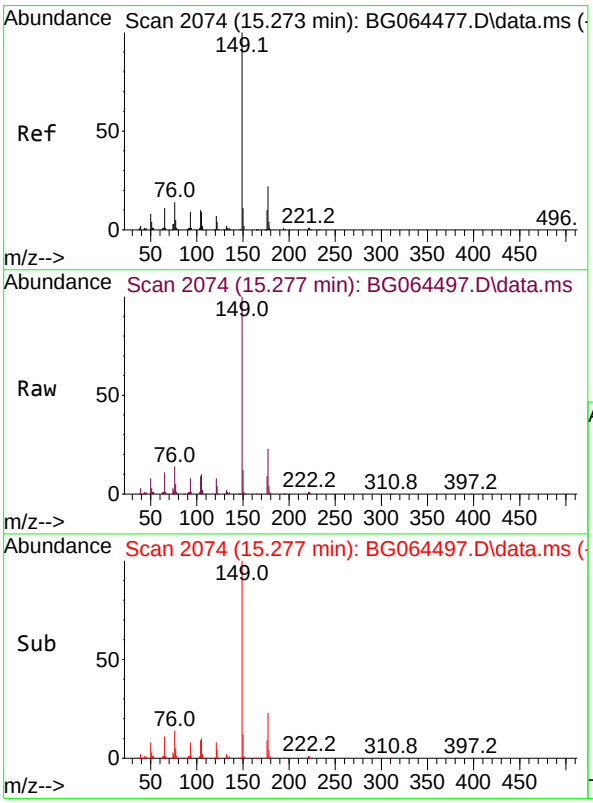
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.261 ng
RT: 15.077 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

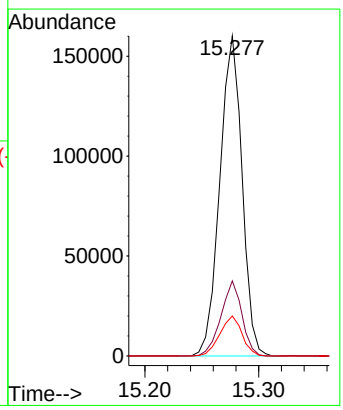


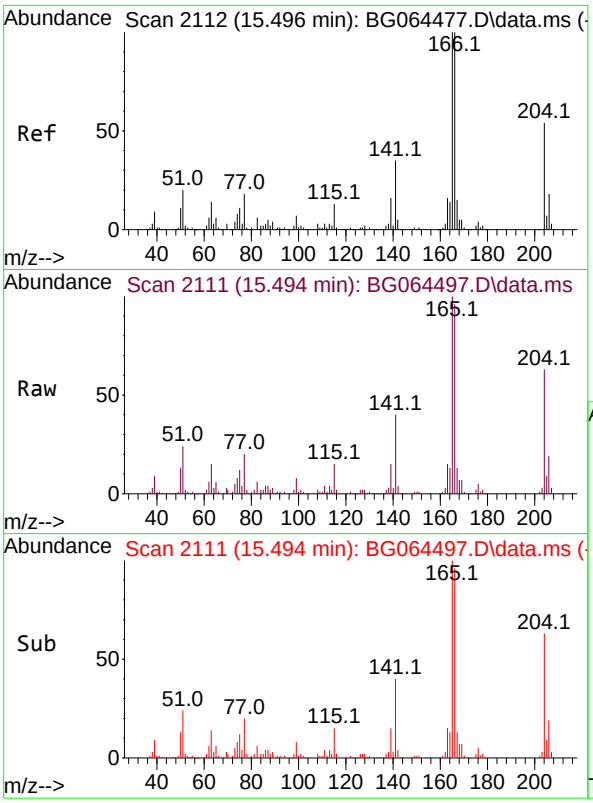


#60
Diethylphthalate
Concen: 43.791 ng
RT: 15.277 min Scan# 2074
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



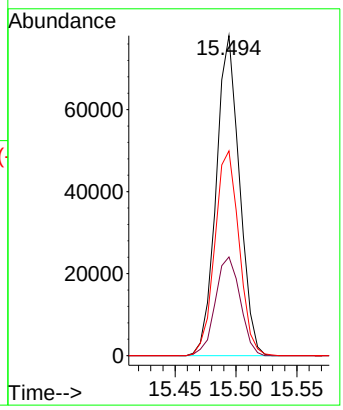


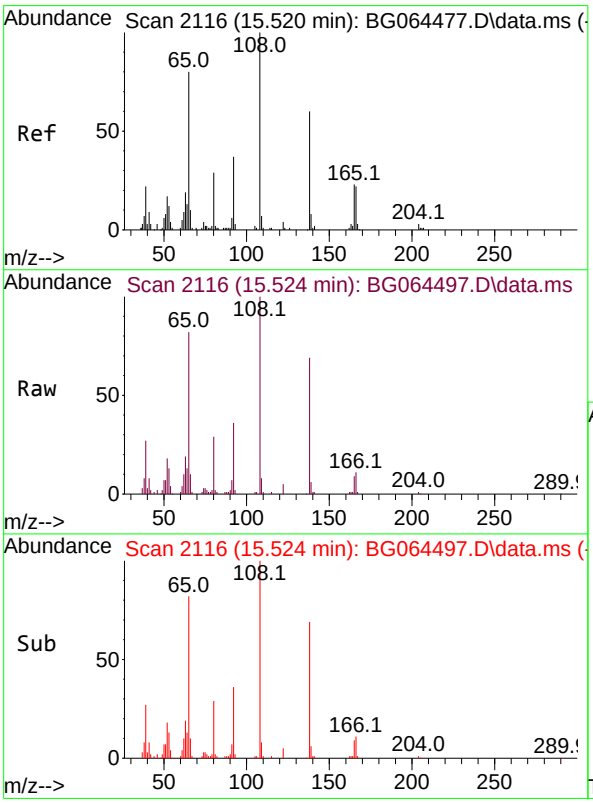
#61
4-Chlorophenyl-phenylether
Concen: 42.356 ng
RT: 15.494 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

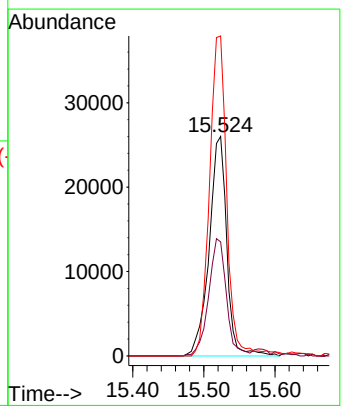


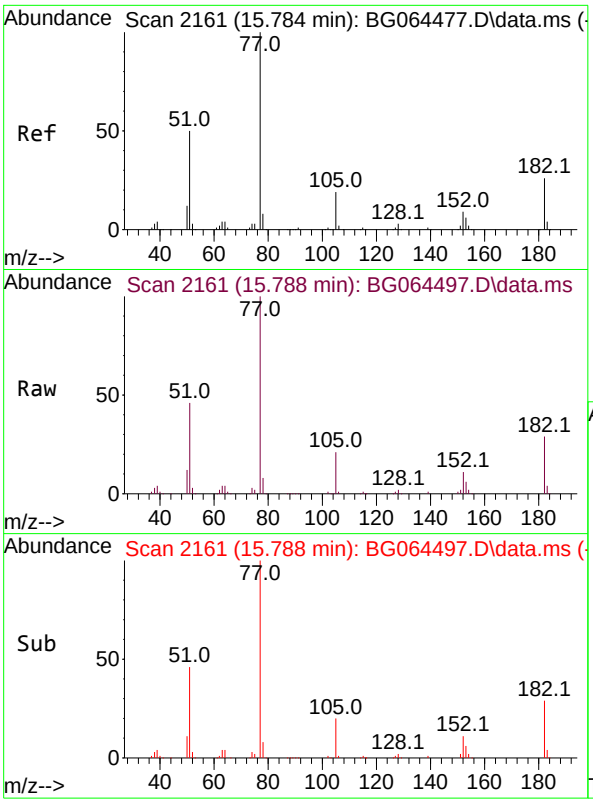


#62
4-Nitroaniline
Concen: 48.504 ng
RT: 15.524 min Scan# 2116
Delta R.T. 0.012 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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#



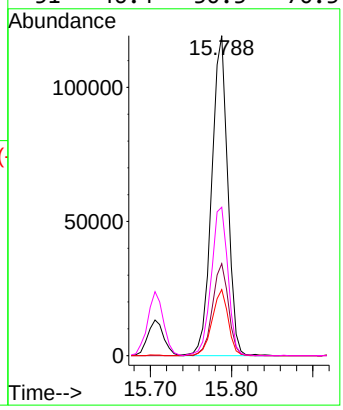


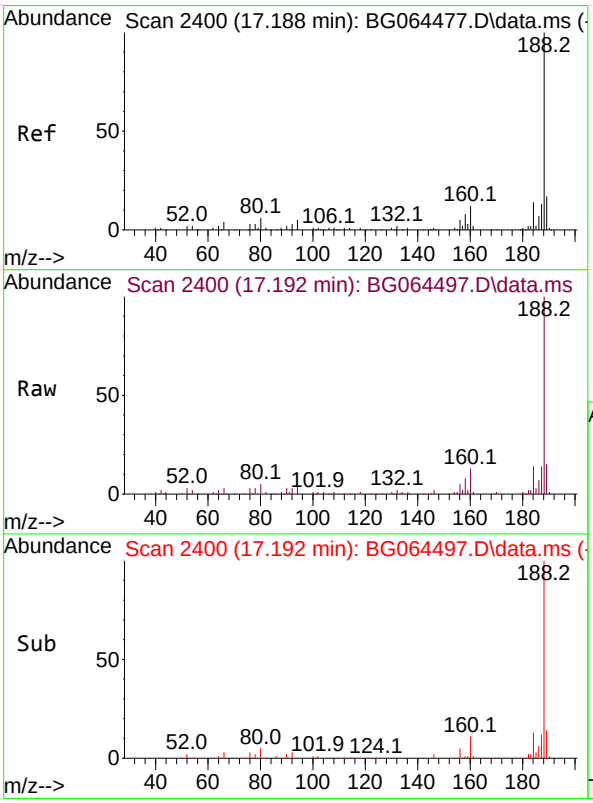
#63
Azobenzene
Concen: 42.644 ng
RT: 15.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

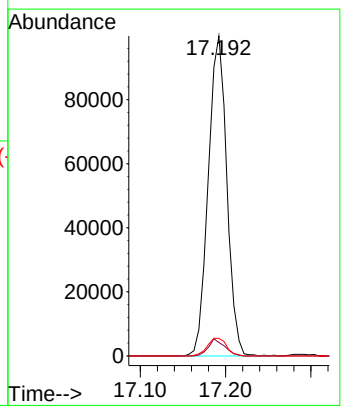


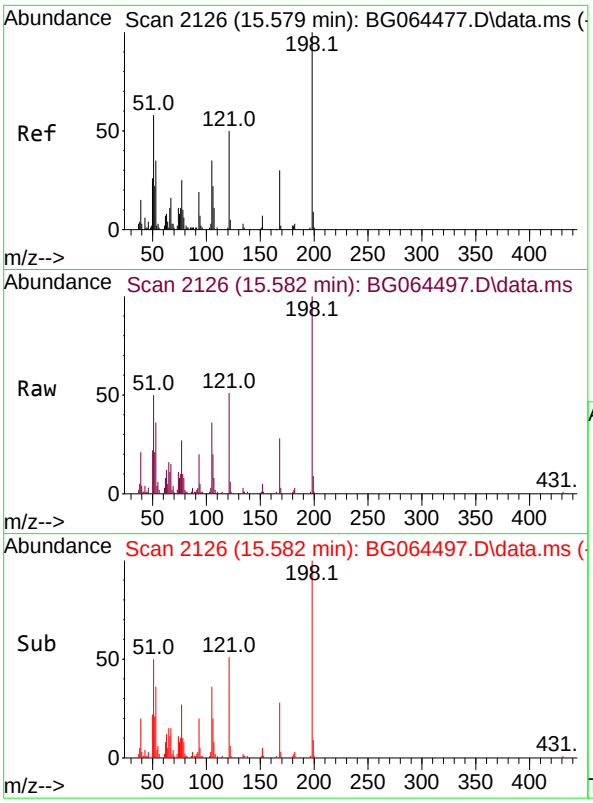


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2400
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



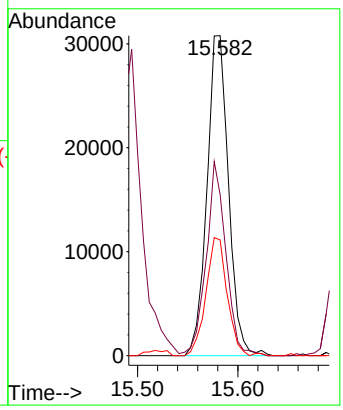


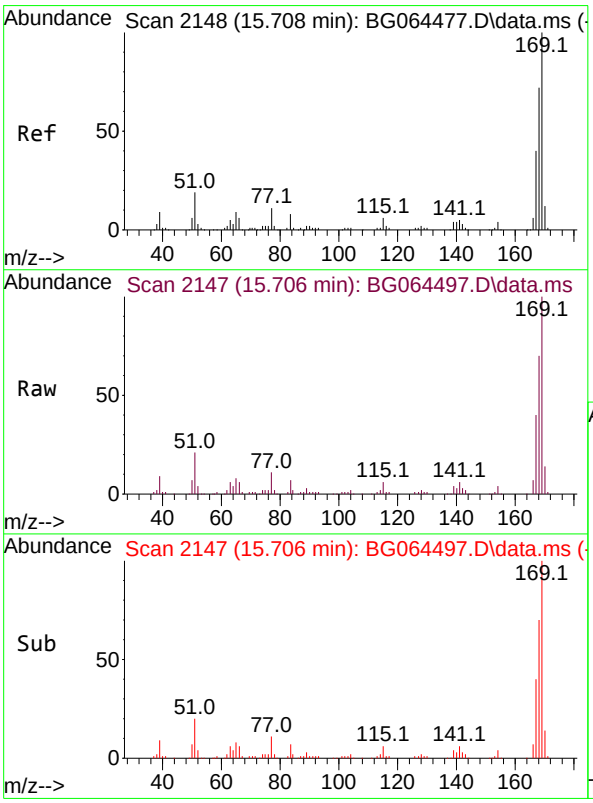
#65
4,6-Dinitro-2-methylphenol
Concen: 43.710 ng
RT: 15.582 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 45879

Ion	Ratio	Lower	Upper
198	100		
51	50.2	39.0	79.0
105	36.1	15.8	55.8

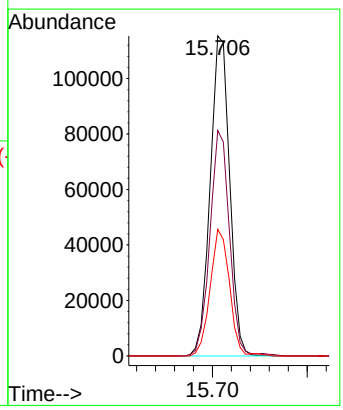


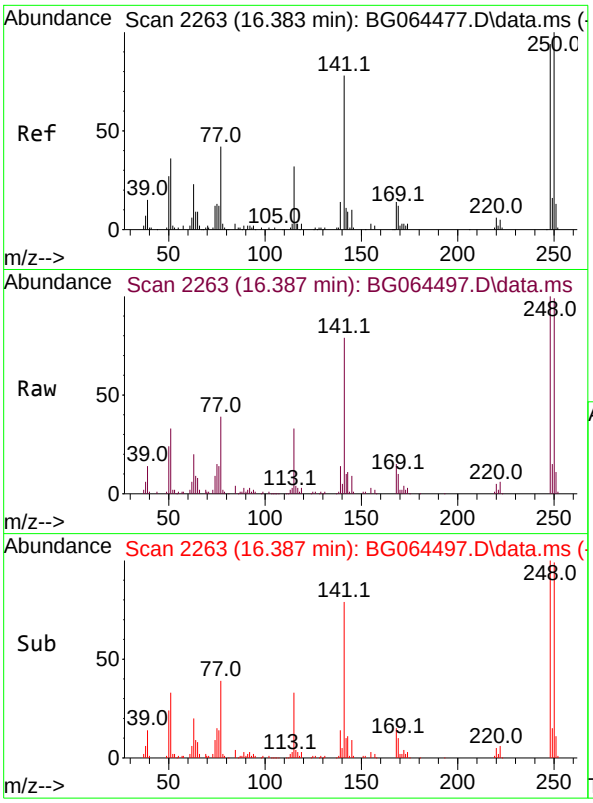


#66
n-Nitrosodiphenylamine
Concen: 40.829 ng
RT: 15.706 min Scan# 2147
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:169 Resp: 164362

Ion	Ratio	Lower	Upper
169	100		
168	70.4	57.8	86.6
167	39.5	31.7	47.5



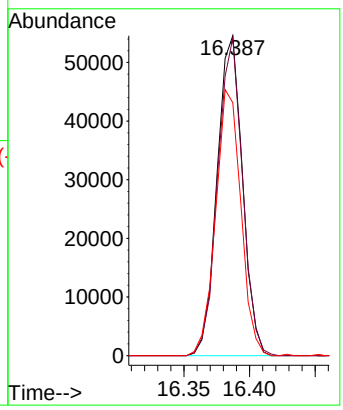


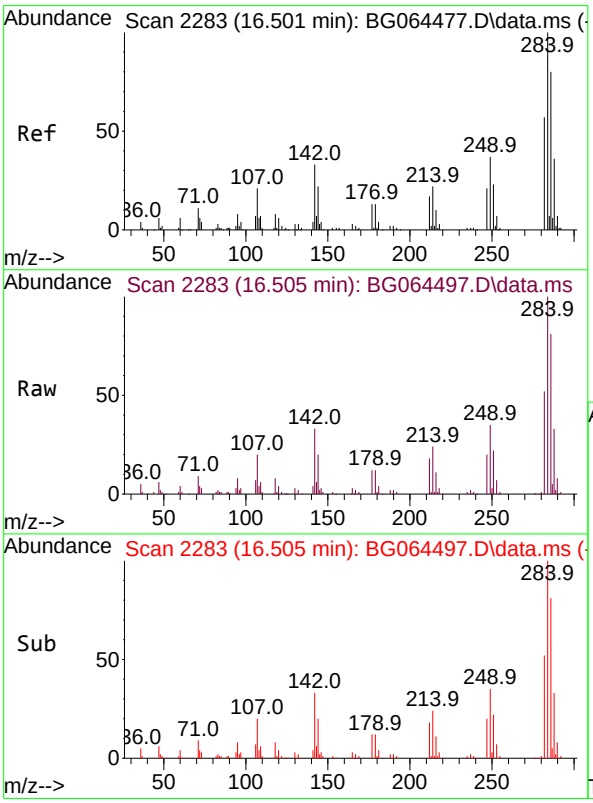
#67
4-Bromophenyl-phenylether
Concen: 41.309 ng
RT: 16.387 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

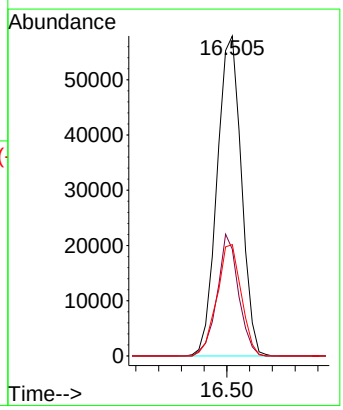


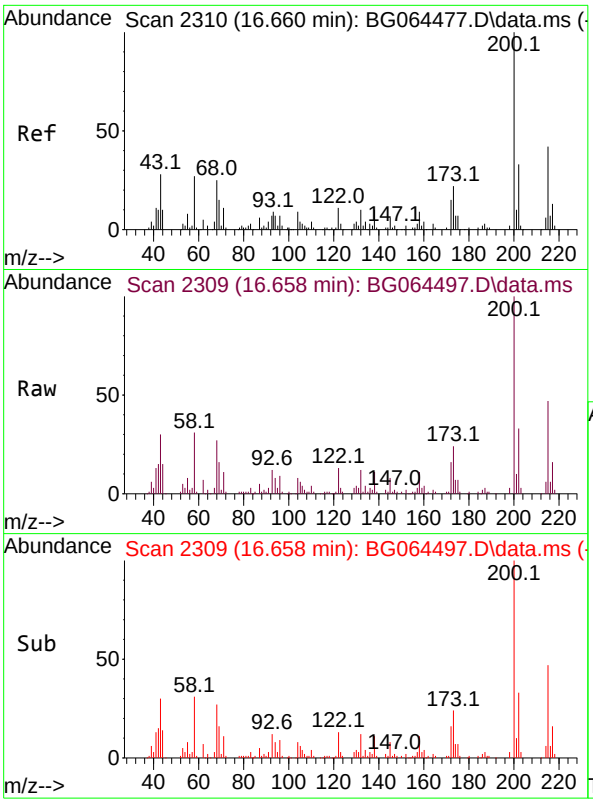


#68
Hexachlorobenzene
Concen: 42.298 ng
RT: 16.505 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



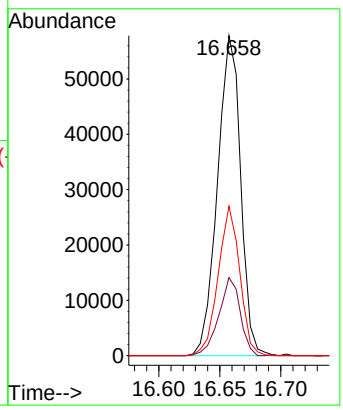


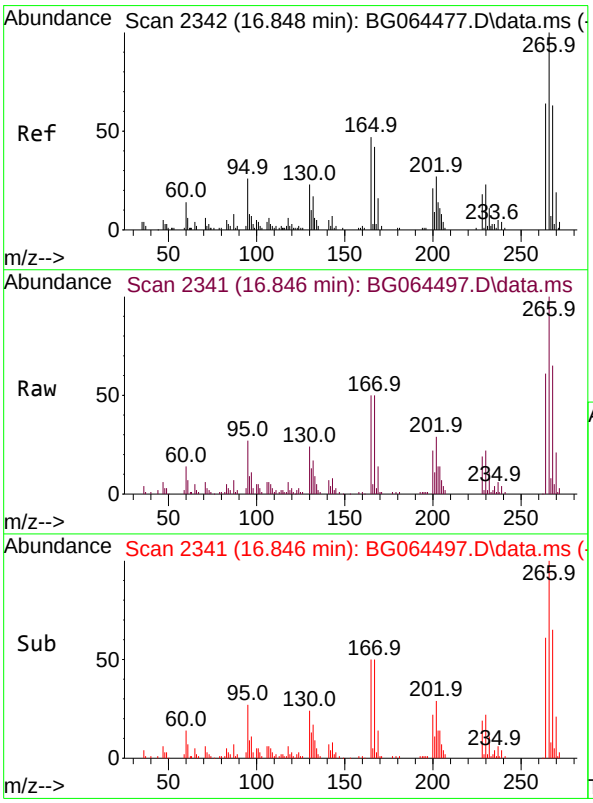
#69
Atrazine
Concen: 42.602 ng
RT: 16.658 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

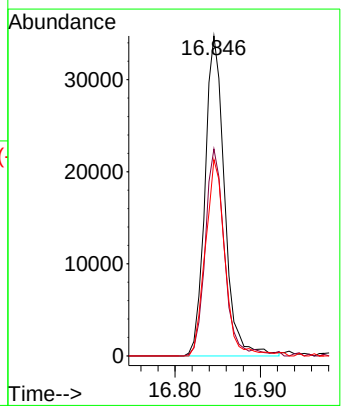


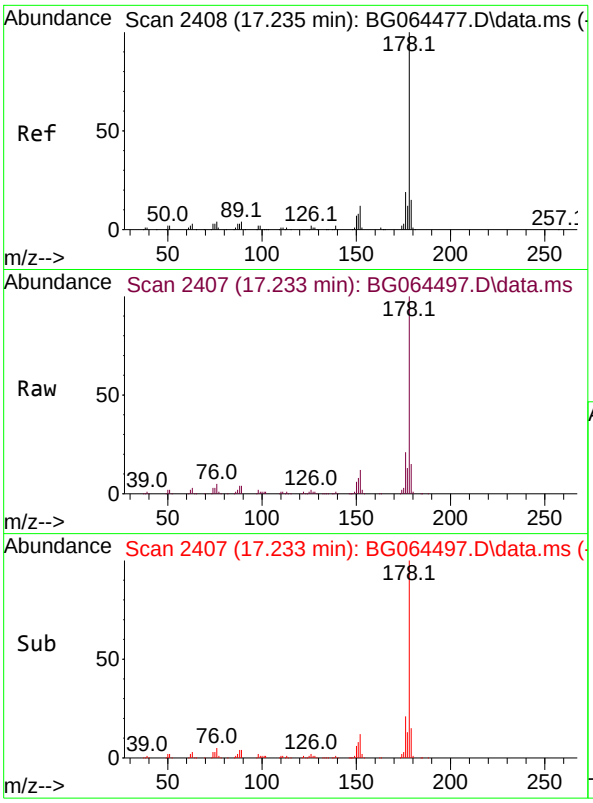


#70
Pentachlorophenol
Concen: 46.520 ng
RT: 16.846 min Scan# 2341
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



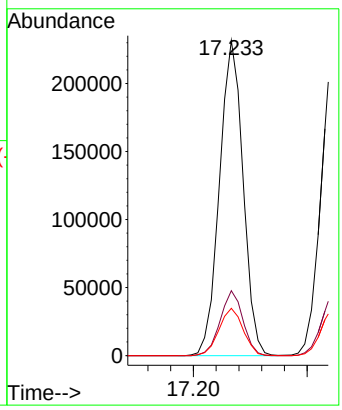


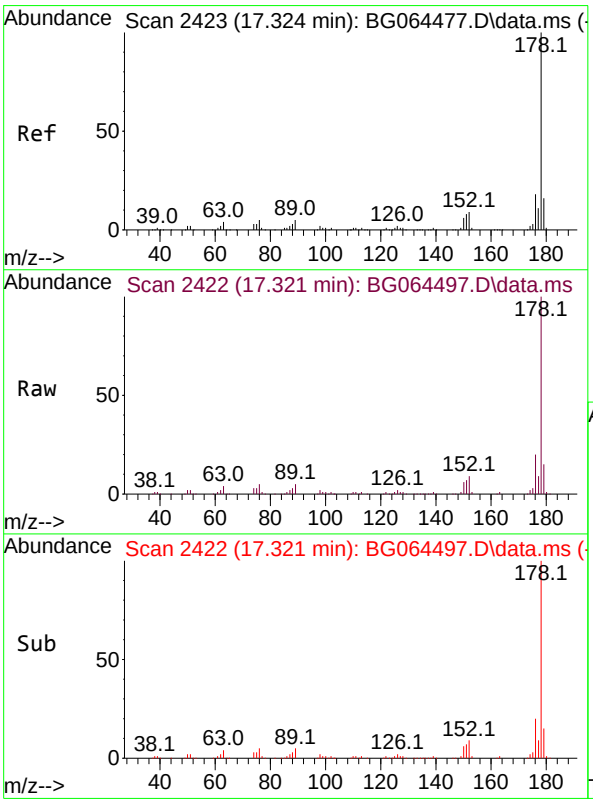
#71
Phenanthrene
Concen: 42.284 ng
RT: 17.233 min Scan# 24
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 333345

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.2	22.8
179	15.0	11.8	17.6

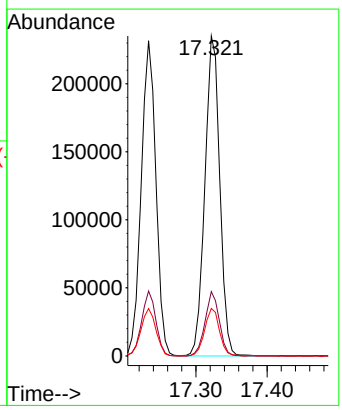


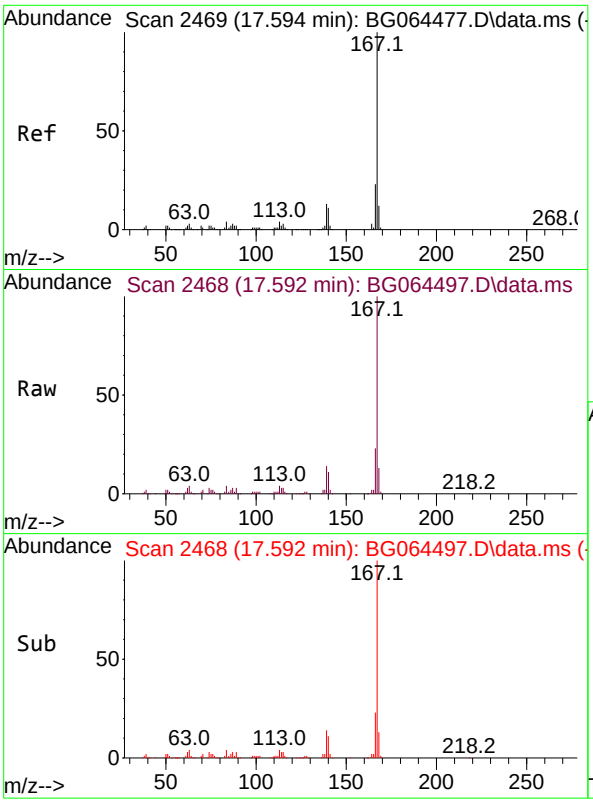


#72
Anthracene
Concen: 43.062 ng
RT: 17.321 min Scan# 2422
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:178 Resp: 340568

Ion	Ratio	Lower	Upper
178	100		
176	20.1	14.6	21.8
179	14.8	12.5	18.7



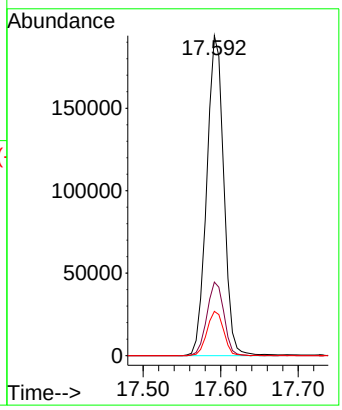


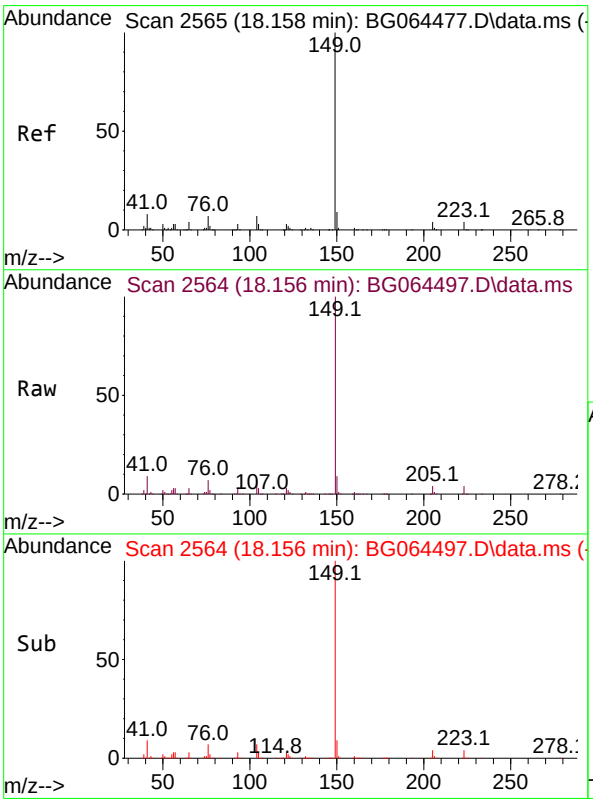
#73
Carbazole
Concen: 43.345 ng
RT: 17.592 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 296313

Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.6	27.8
139	13.8	10.2	15.4

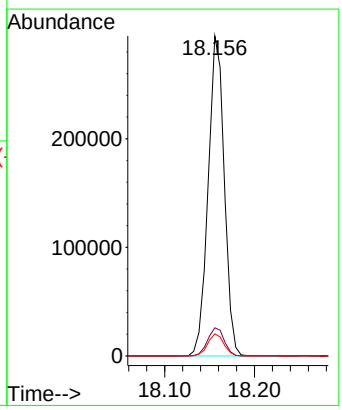


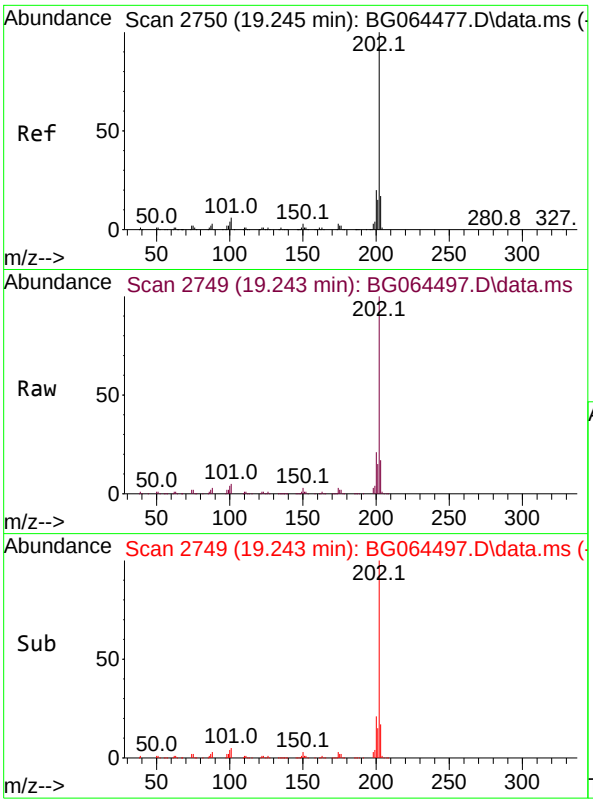


#74
Di-n-butylphthalate
Concen: 44.258 ng
RT: 18.156 min Scan# 2564
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

Tgt Ion:149 Resp: 369333

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.2
104	6.9	5.3	7.9



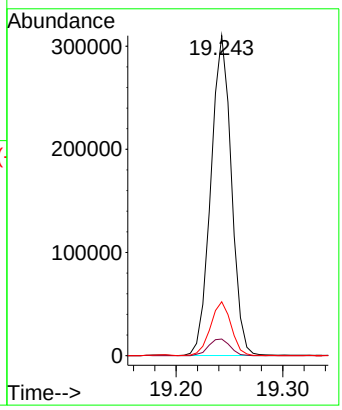


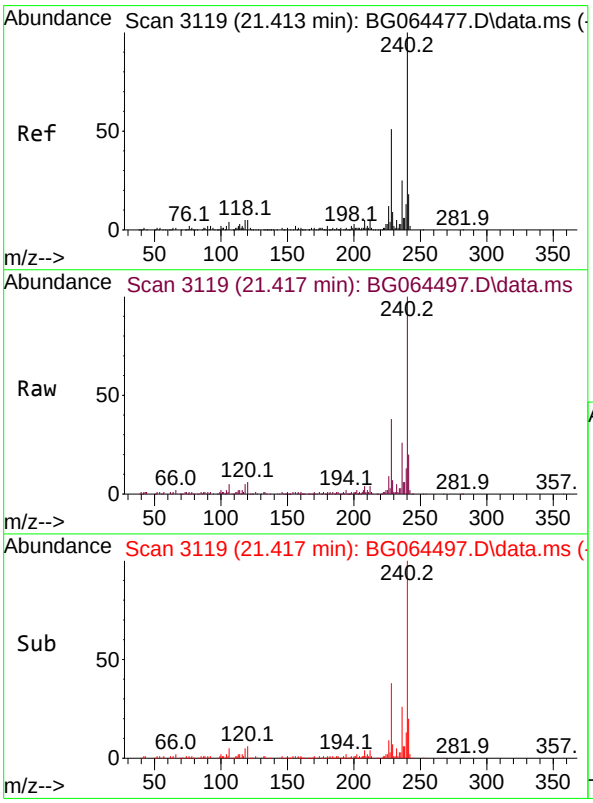
#75
Fluoranthene
Concen: 44.076 ng
RT: 19.243 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

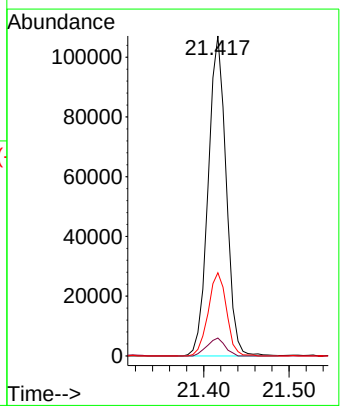


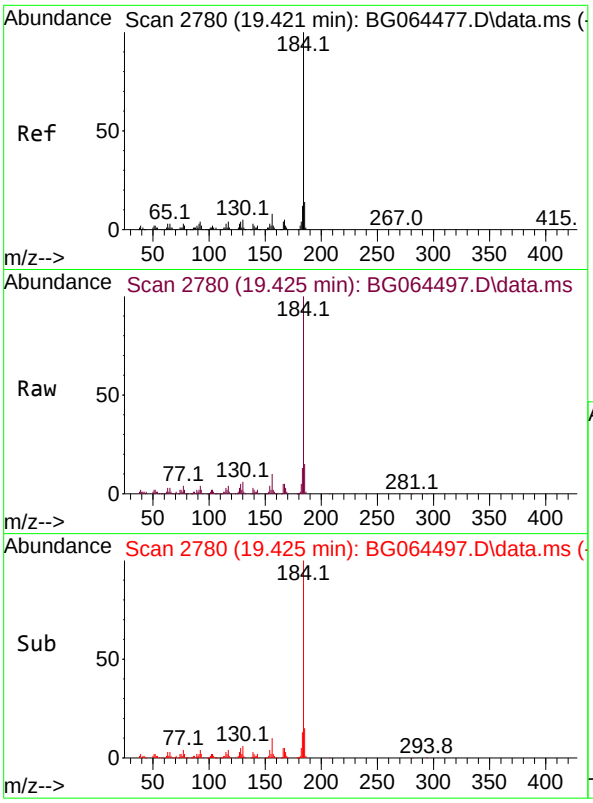


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.417 min Scan# 3119
Delta R.T. 0.007 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



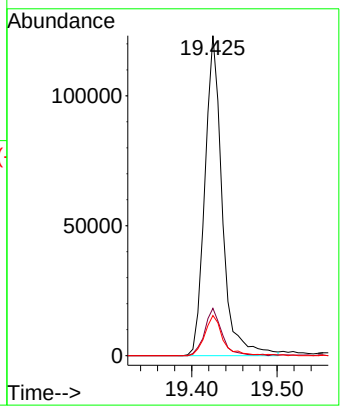


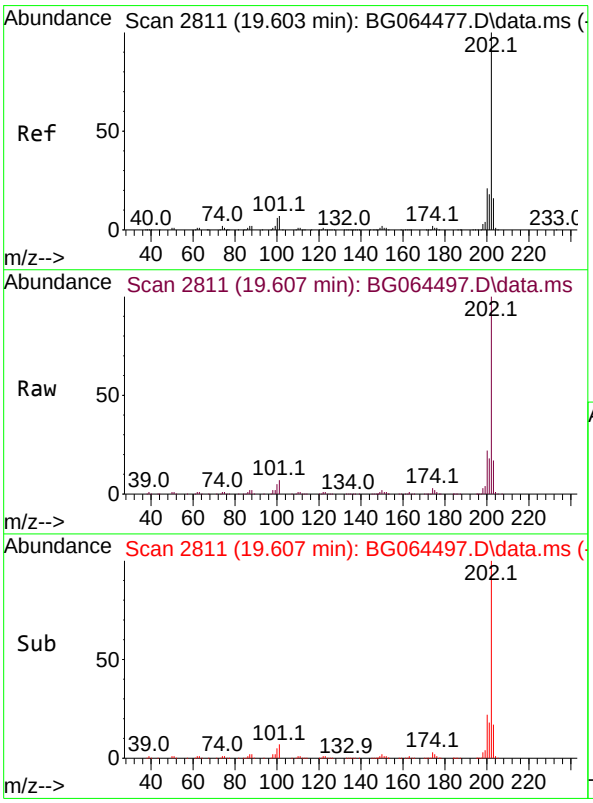
#77
Benzidine
Concen: 44.736 ng
RT: 19.425 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

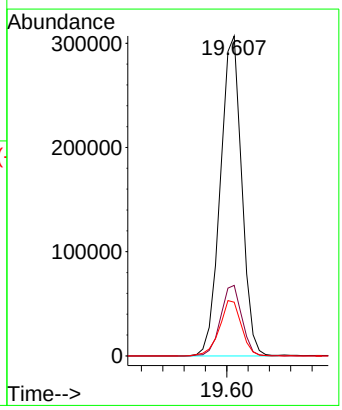


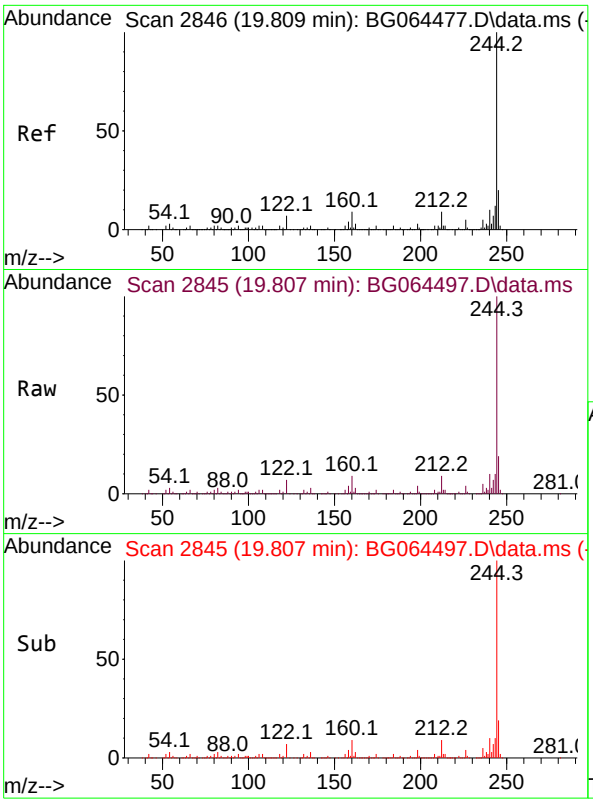


#78
Pyrene
Concen: 42.098 ng
RT: 19.607 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



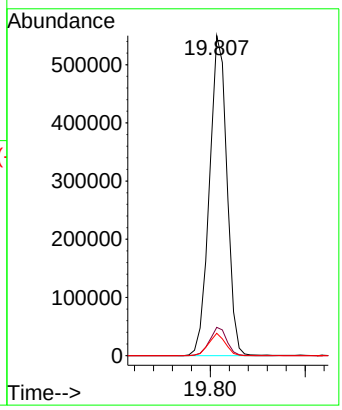


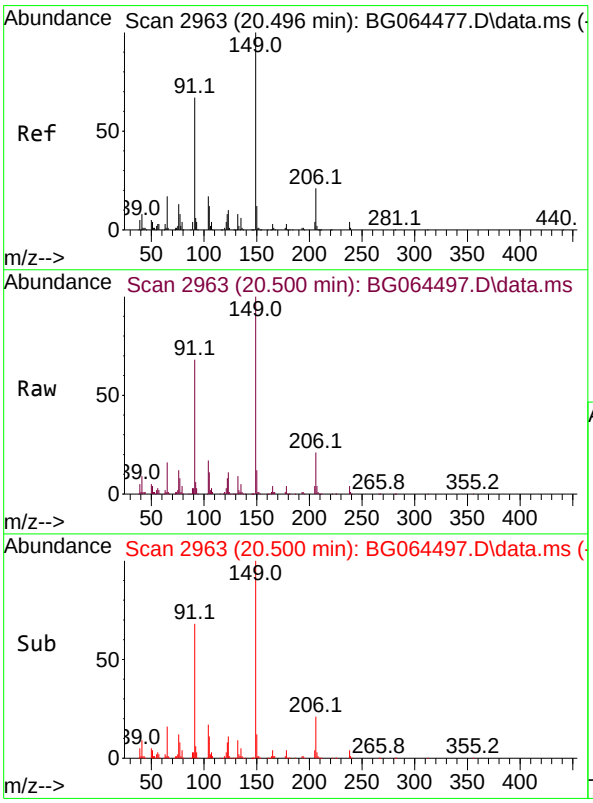
#79
Terphenyl-d14
Concen: 85.282 ng
RT: 19.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

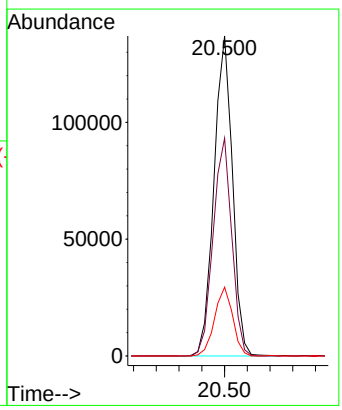


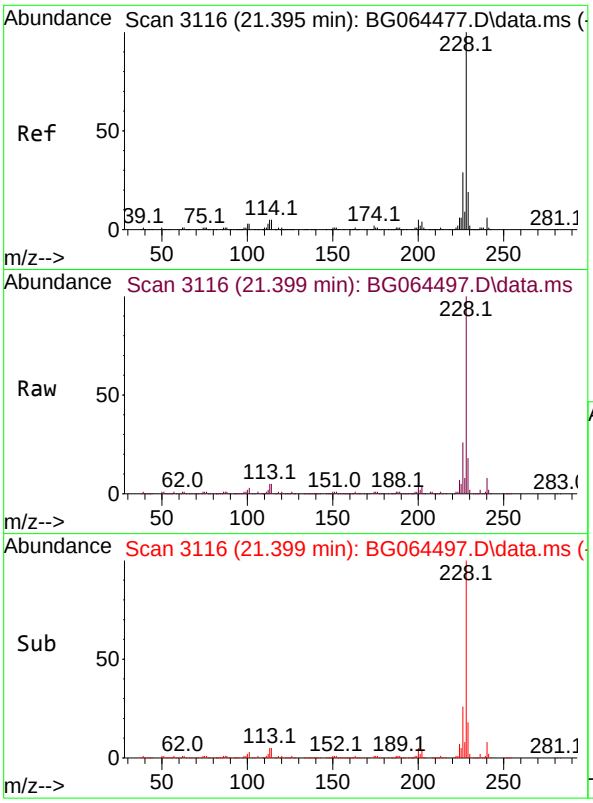


#80
Butylbenzylphthalate
Concen: 42.784 ng
RT: 20.500 min Scan# 2963
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



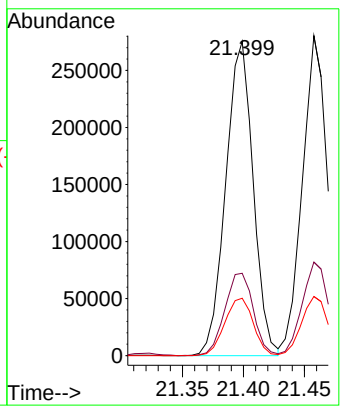


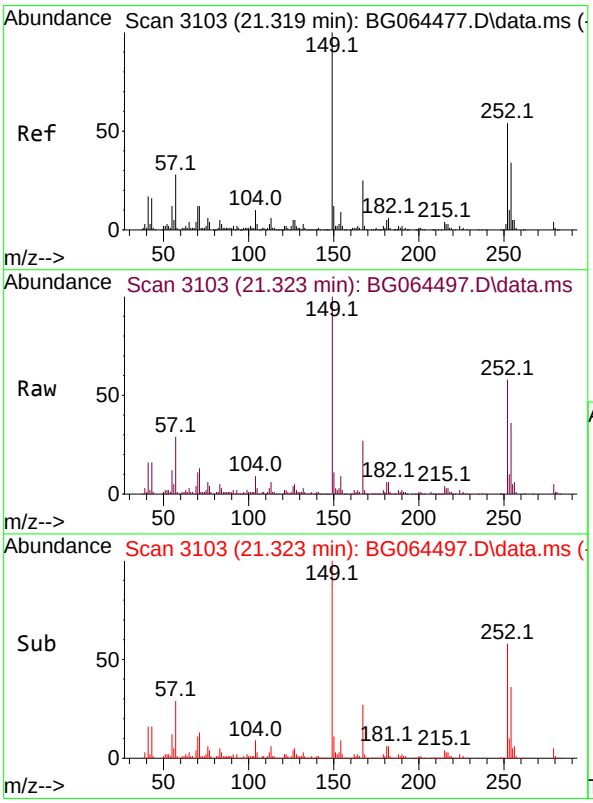
#81
Benzo(a)anthracene
Concen: 43.143 ng
RT: 21.399 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

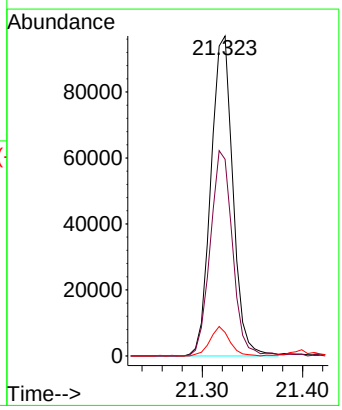


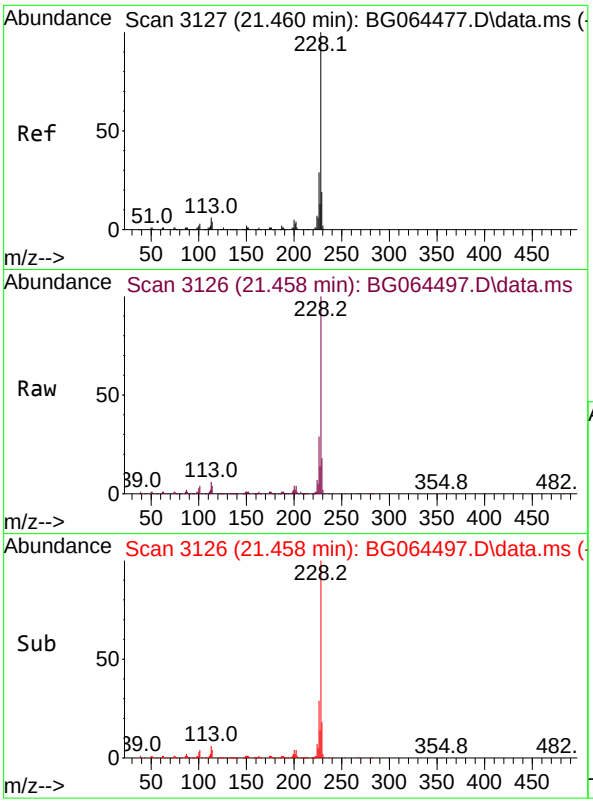


#82
3,3'-Dichlorobenzidine
Concen: 43.586 ng
RT: 21.323 min Scan# 3103
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



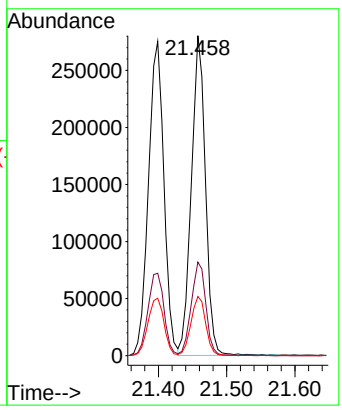


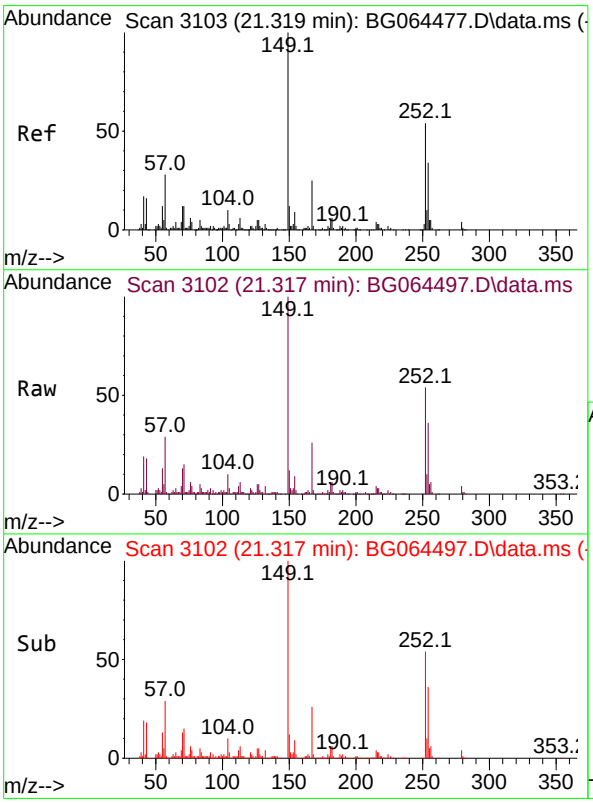
#83
Chrysene
Concen: 42.464 ng
RT: 21.458 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

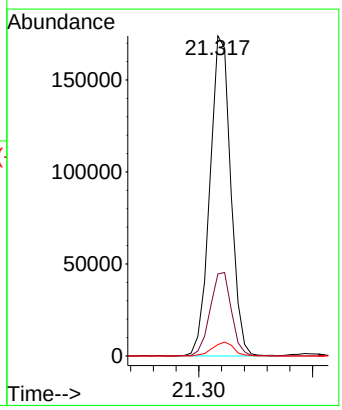


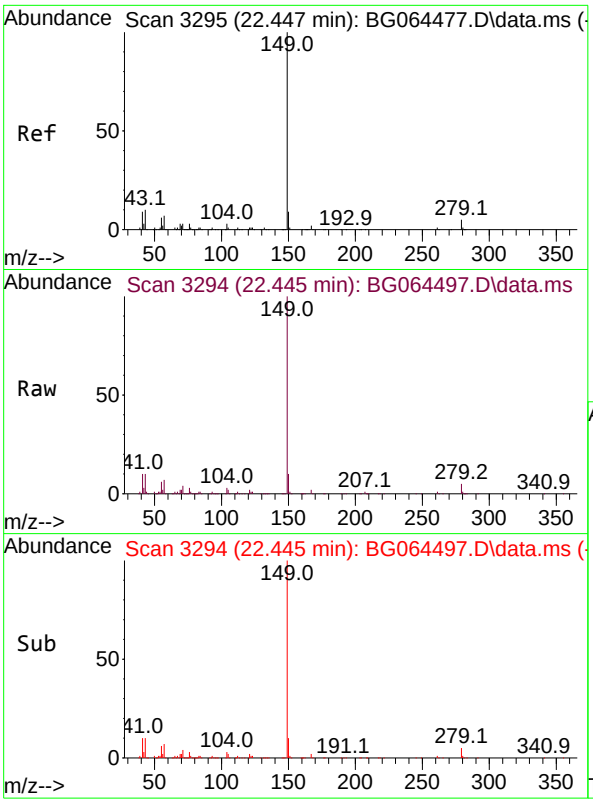


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.513 ng
RT: 21.317 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



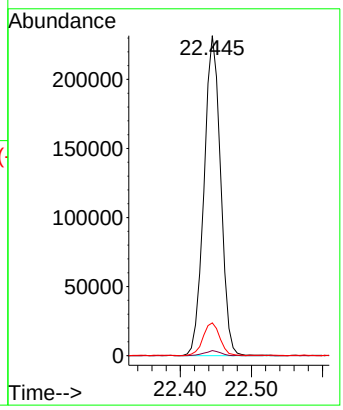


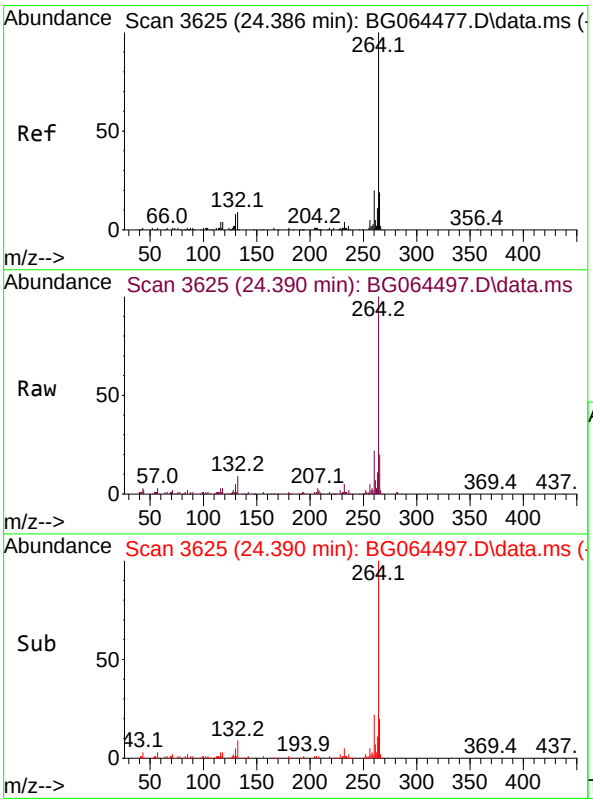
#85
Di-n-octyl phthalate
Concen: 43.746 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

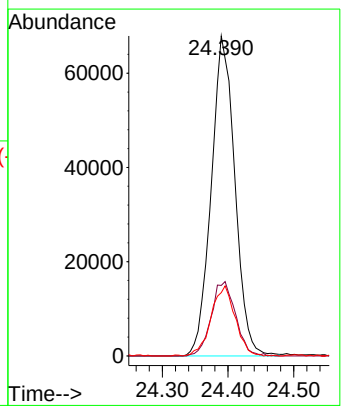


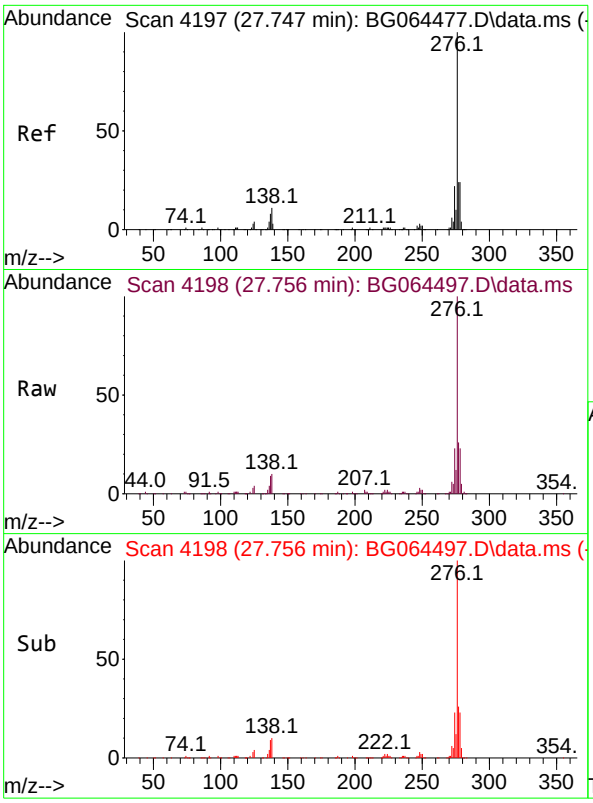


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.390 min Scan# 3625
Delta R.T. 0.000 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



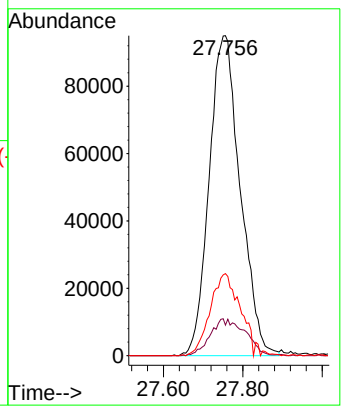


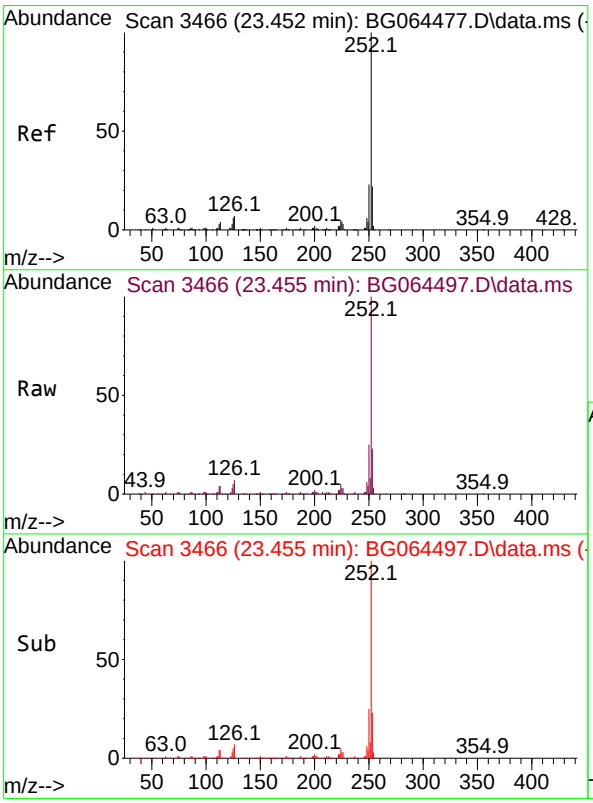
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.595 ng
RT: 27.756 min Scan# 41
Delta R.T. 0.024 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

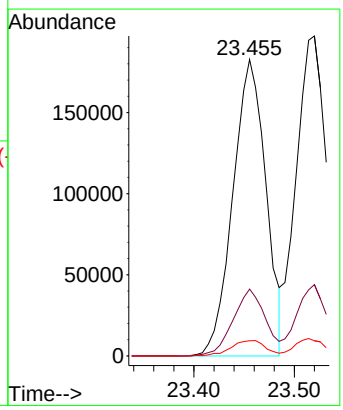


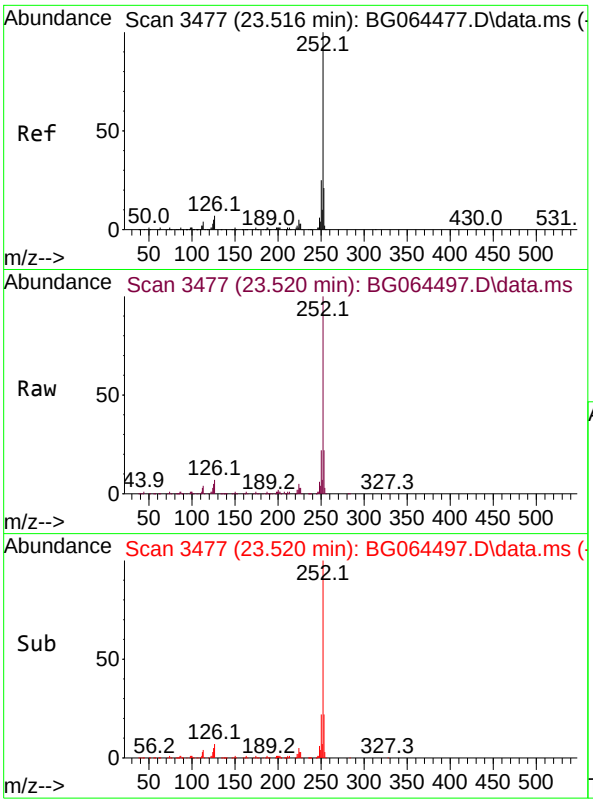


#88
Benzo(b)fluoranthene
Concen: 43.038 ng
RT: 23.455 min Scan# 3466
Delta R.T. 0.006 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



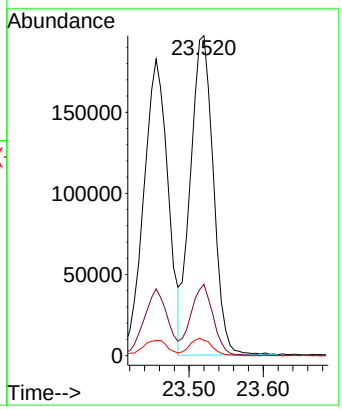


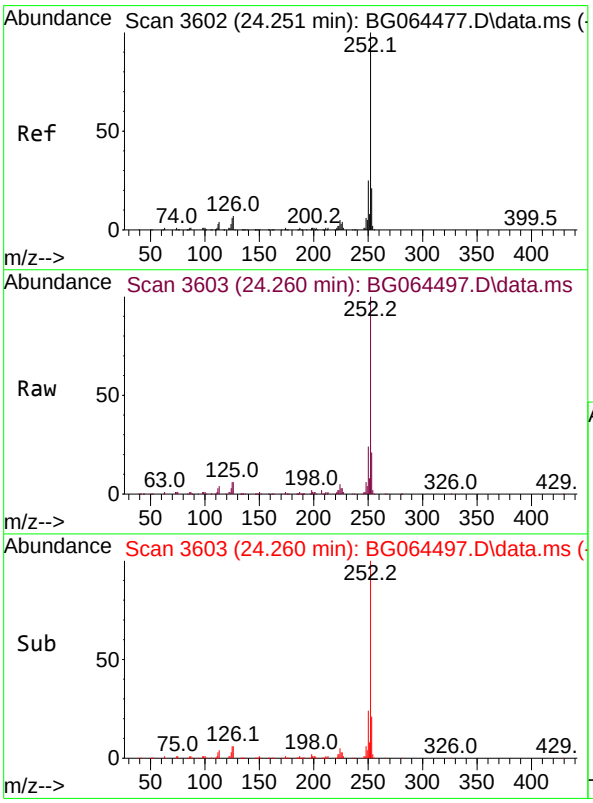
#89
Benzo(k)fluoranthene
Concen: 43.413 ng
RT: 23.520 min Scan# 34
Delta R.T. 0.012 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

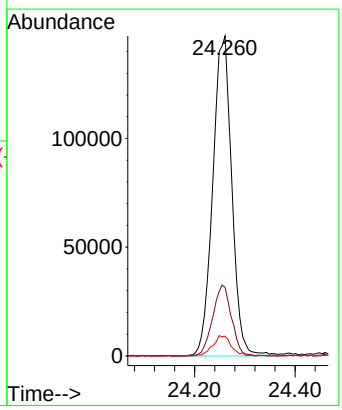


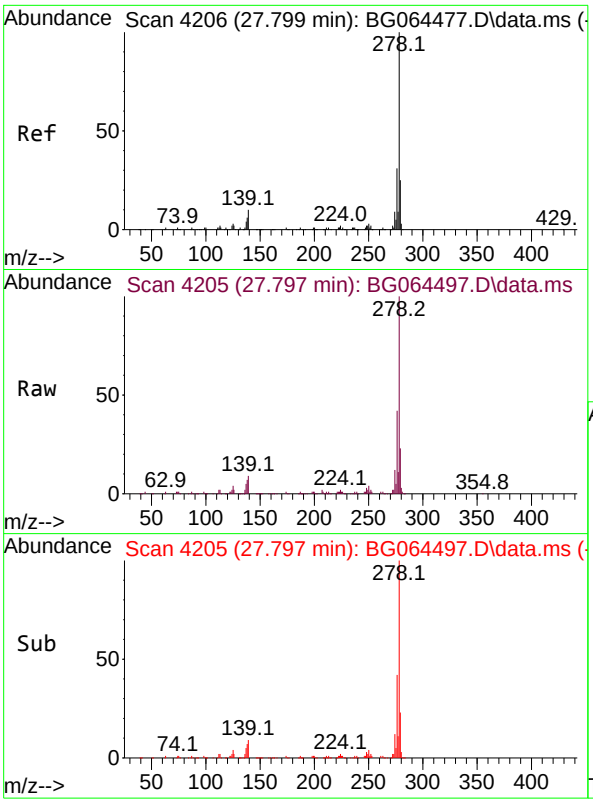


#90
Benzo(a)pyrene
Concen: 43.400 ng
RT: 24.260 min Scan# 3603
Delta R.T. 0.012 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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



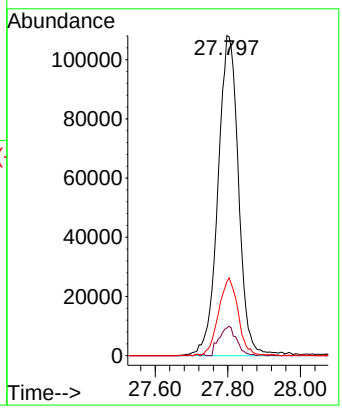


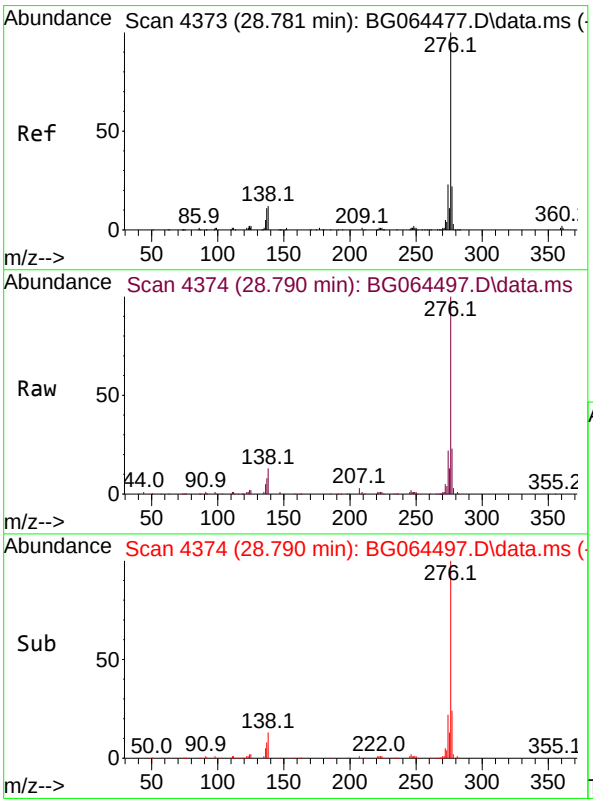
#91
Dibenzo(a,h)anthracene
Concen: 44.741 ng
RT: 27.797 min Scan# 4
Delta R.T. 0.018 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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

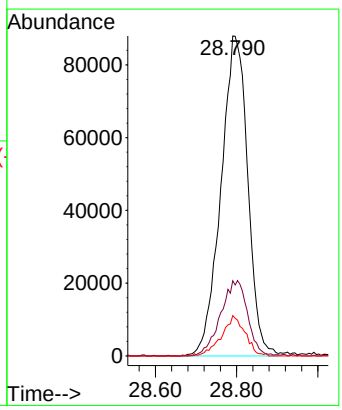




#92
Benzo(g,h,i)perylene
Concen: 43.678 ng
RT: 28.790 min Scan# 4374
Delta R.T. 0.024 min
Lab File: BG064497.D
Acq: 14 Oct 2025 11:50

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		Benzidine	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

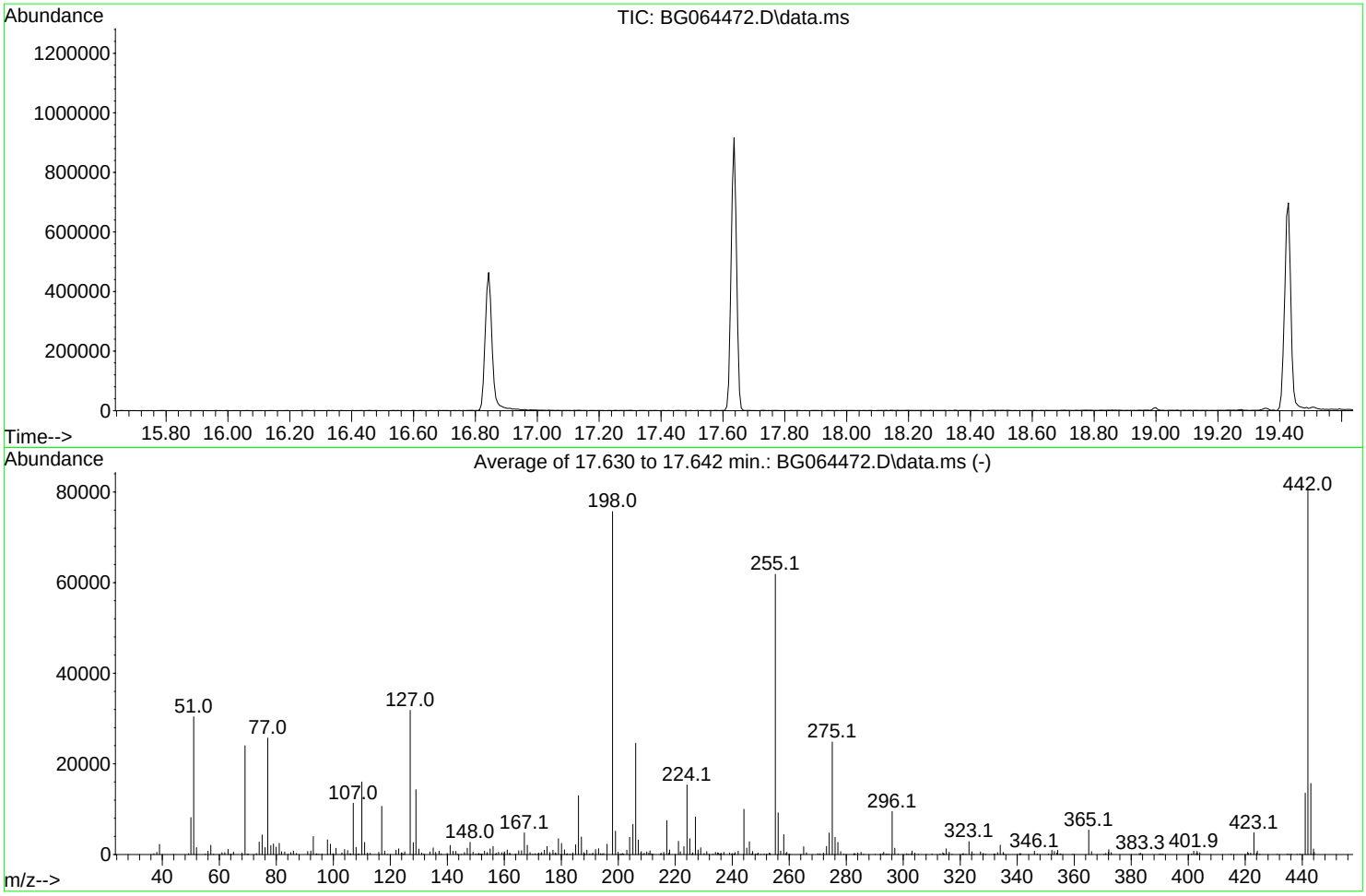
QC SAMPLE DATA

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



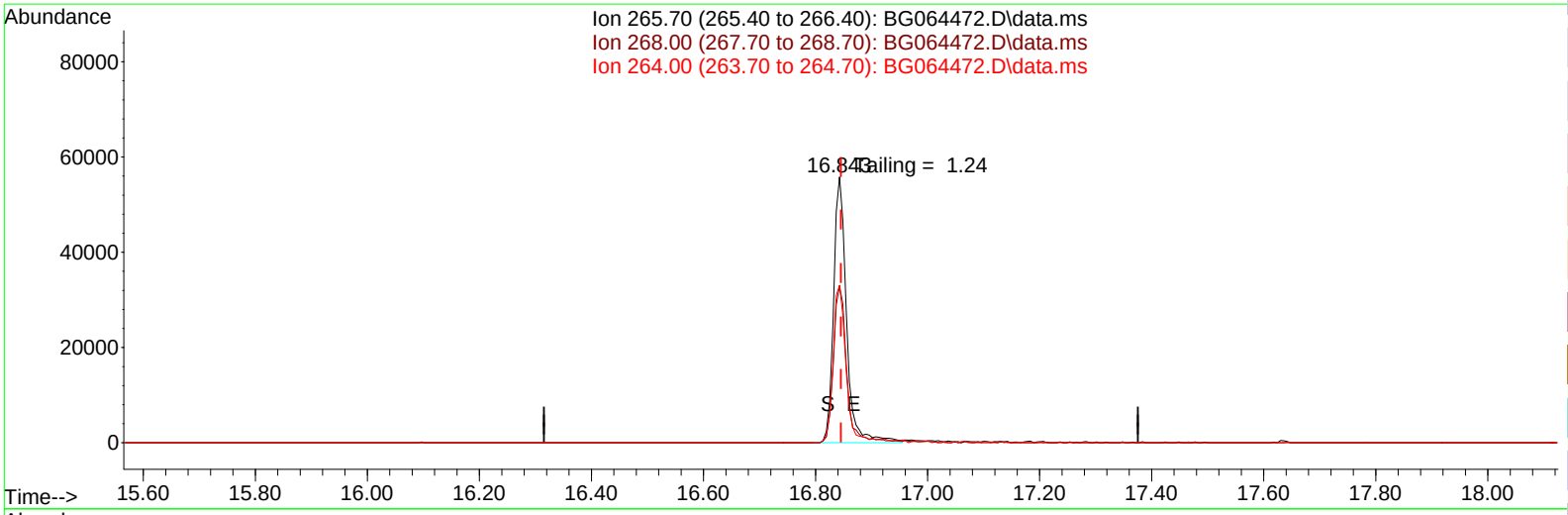
AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2468

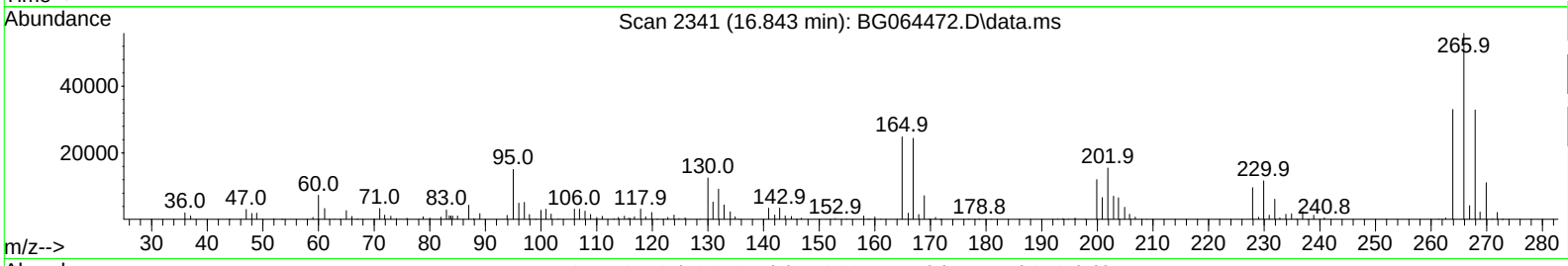
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.1	271	PASS
69	69	100	100	100.0	24008	PASS
70	69	0.00	2	0.4	100	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	75675	PASS
199	198	5	9	6.8	5168	PASS
365	198	1	100	7.1	5406	PASS
441	443	0.01	150	86.2	13521	PASS
442	442	100	100	100.0	80341	PASS
443	442	15	24	19.5	15684	PASS

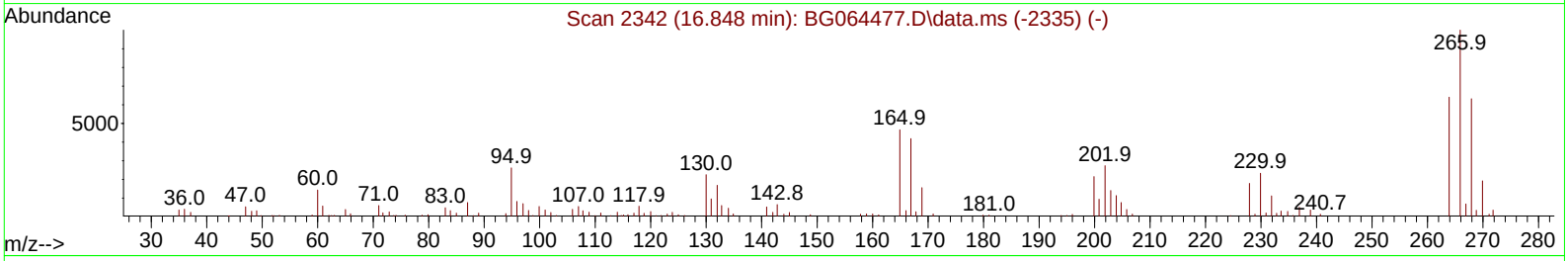
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064472.D
Acq On : 2 Oct 2025 8:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 02 18:07:32 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







TIC: BG064472.D\data.ms

(70) Pentachlorophenol (C)

16.843min (-0.002) 190750.25 ng

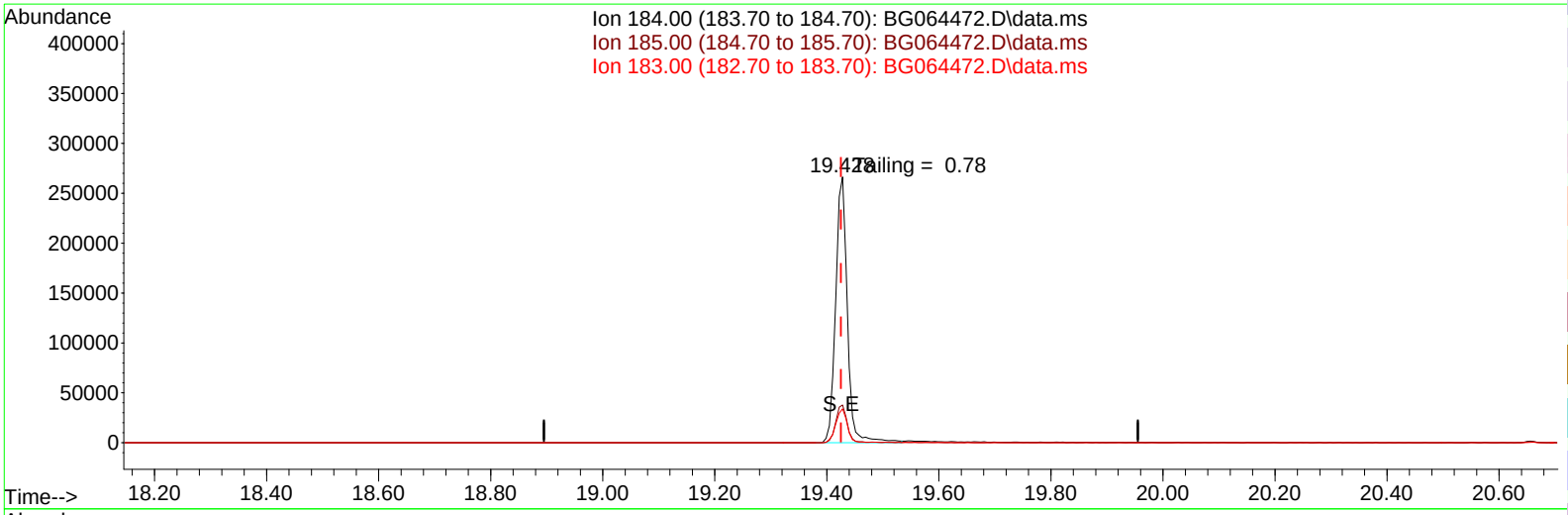
response 90109

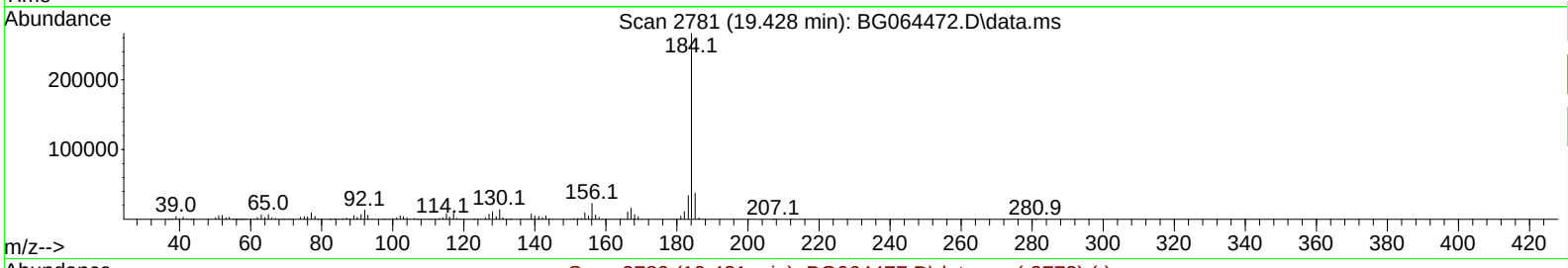
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.20	58.97
264.00	64.00	59.19
0.00	0.00	0.00

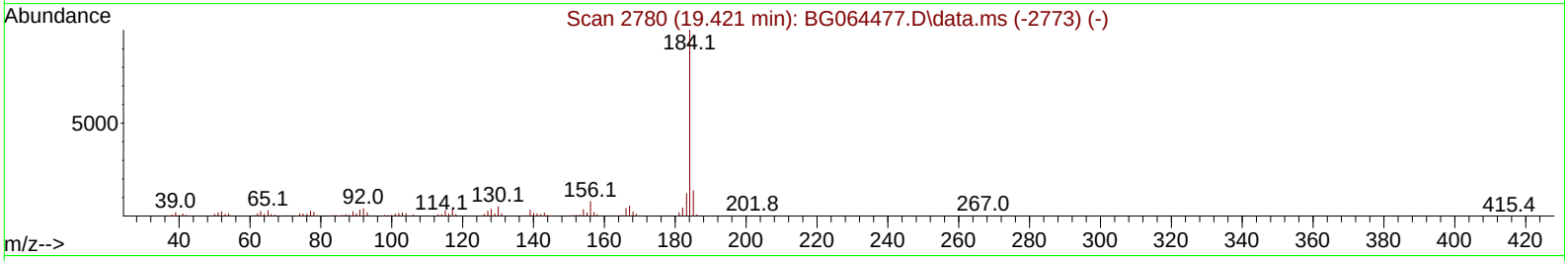
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100225\
Data File : BG064472.D
Acq On : 2 Oct 2025 8:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 02 18:07:32 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







TIC: BG064472.D\data.ms

(77) Benzidine

19.428min (+ 0.003) 15488.27 ng

response 385018

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.60	14.19
183.00	12.20	12.79
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

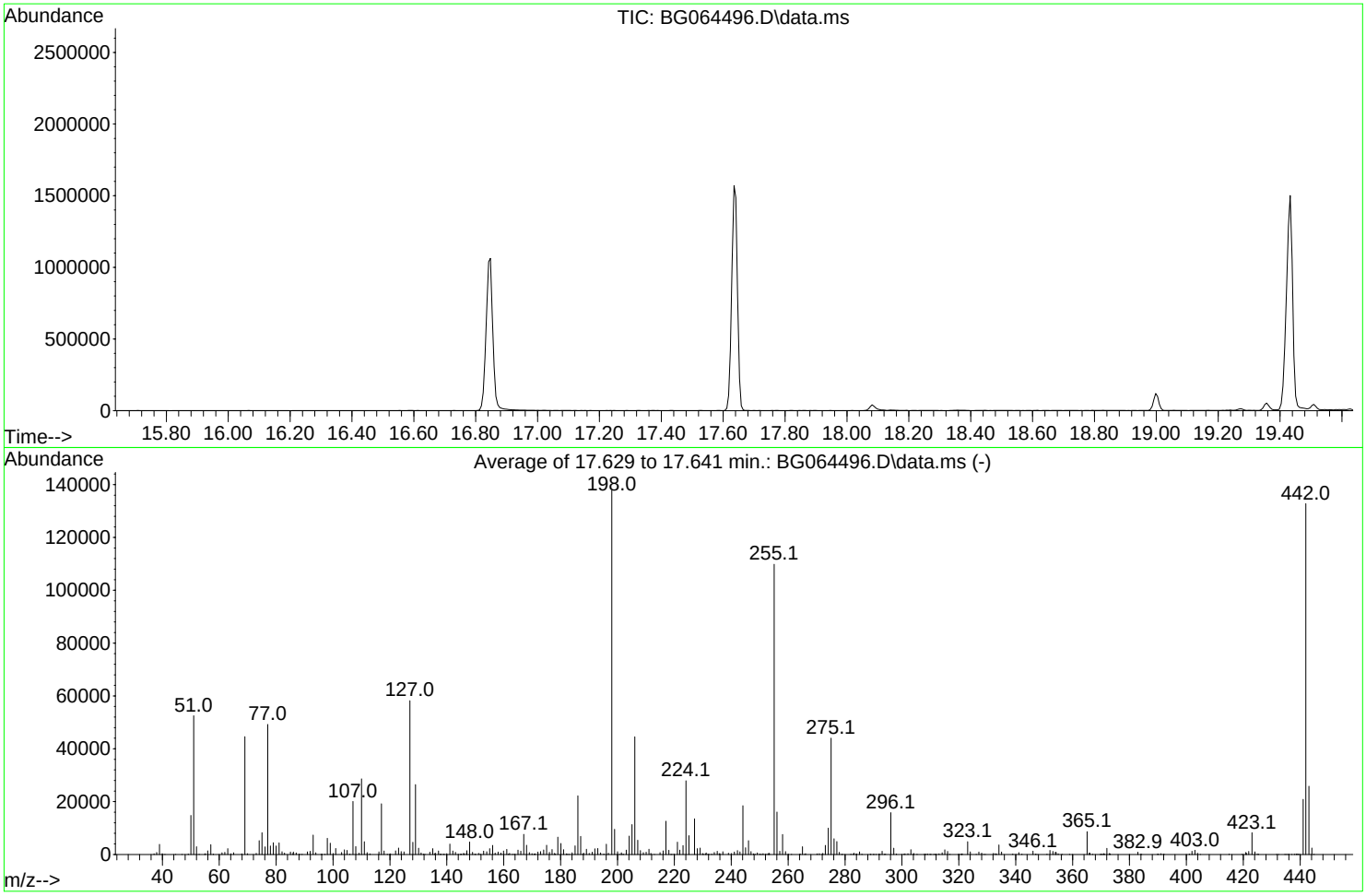
Date	Instrument Name	DFTPP Data File
10/2/2025	BNA_G	BG064472.D
Compound Name	**Response**	**Retention Time**
DDT	287203	20.656
DDD	3381	20.221
DDE	0	19.728
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
3381	290584	1.16

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



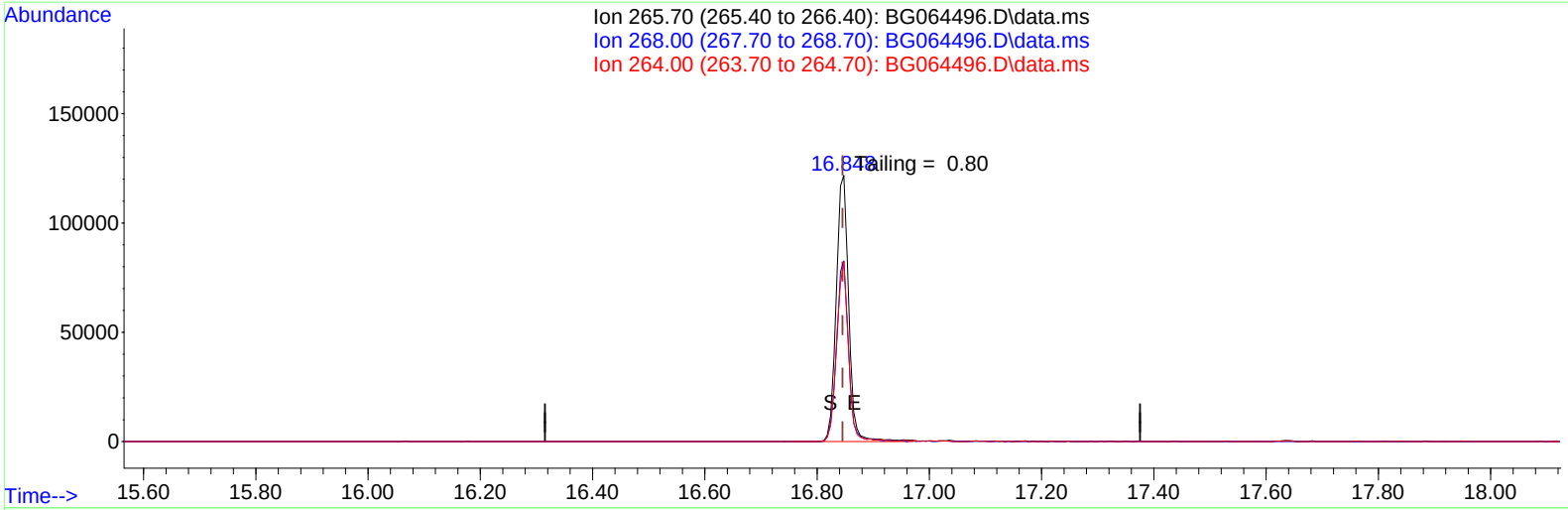
AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2468

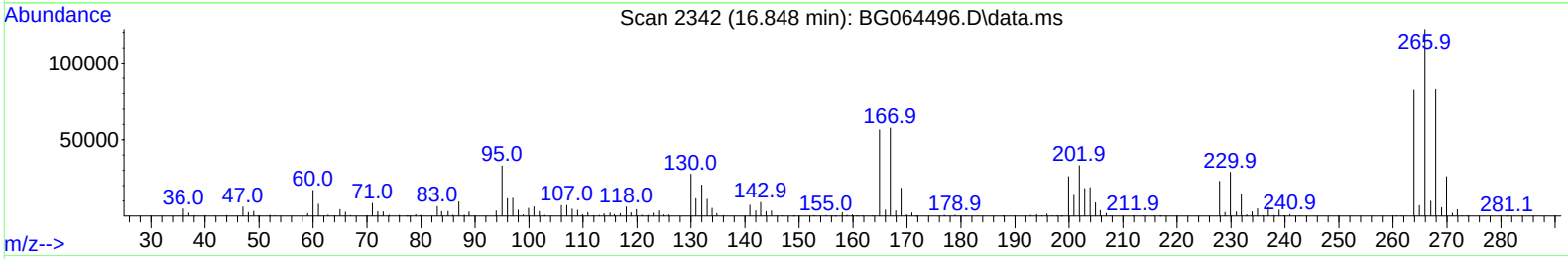
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.6	261	PASS
69	69	100	100	100.0	44592	PASS
70	69	0.00	2	0.7	302	PASS
197	198	0.00	2	0.3	457	PASS
198	198	100	100	100.0	137768	PASS
199	198	5	9	6.9	9513	PASS
365	198	1	100	6.3	8633	PASS
441	443	0.01	150	80.8	20877	PASS
442	442	100	100	100.0	132784	PASS
443	442	15	24	19.4	25823	PASS

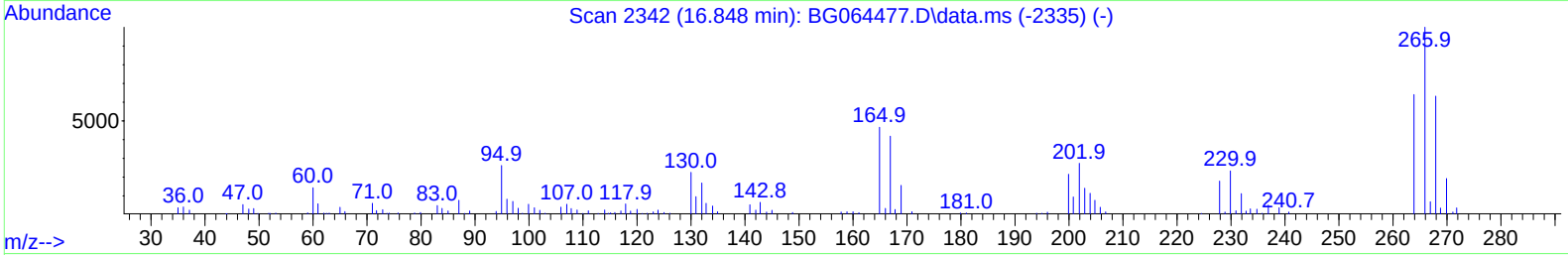
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
Data File : BG064496.D
Acq On : 14 Oct 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

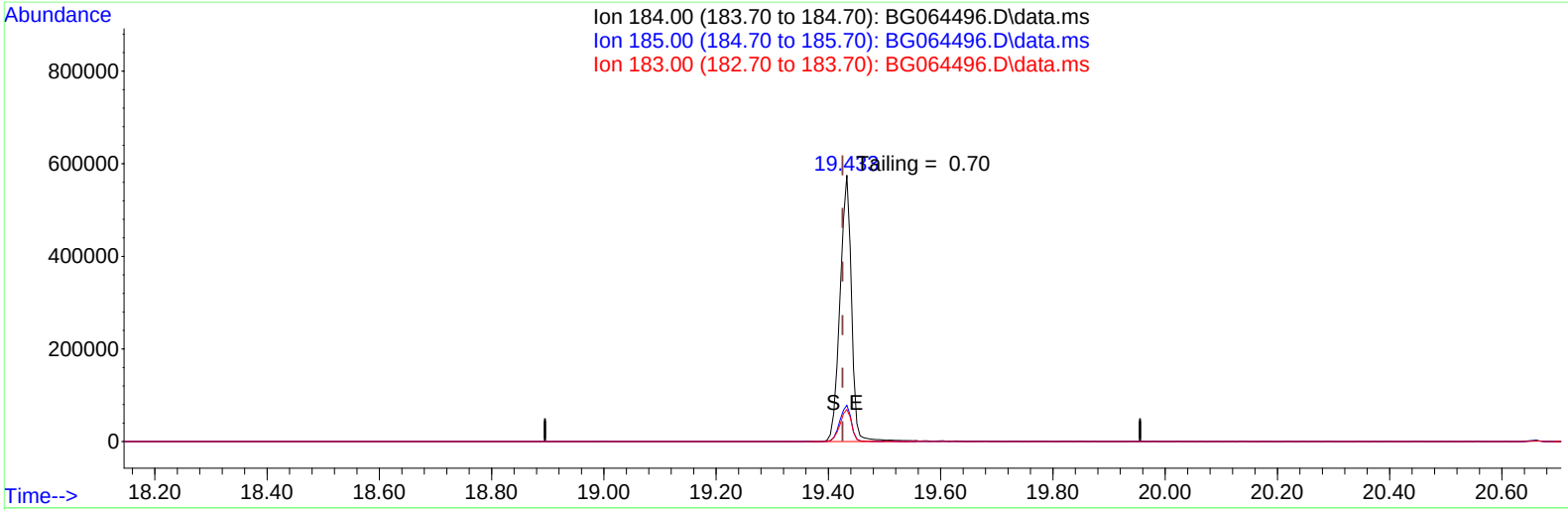
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.20	67.84
264.00	64.00	67.54
0.00	0.00	0.00

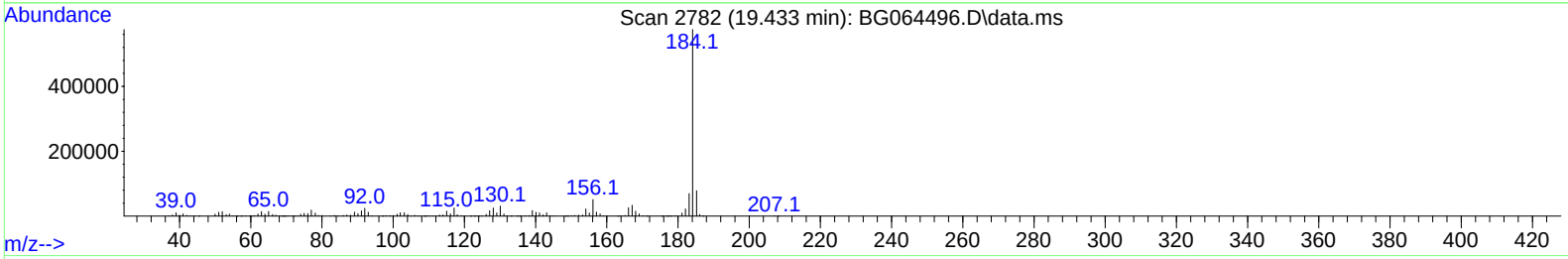
Sample Results: **BG064496.D**

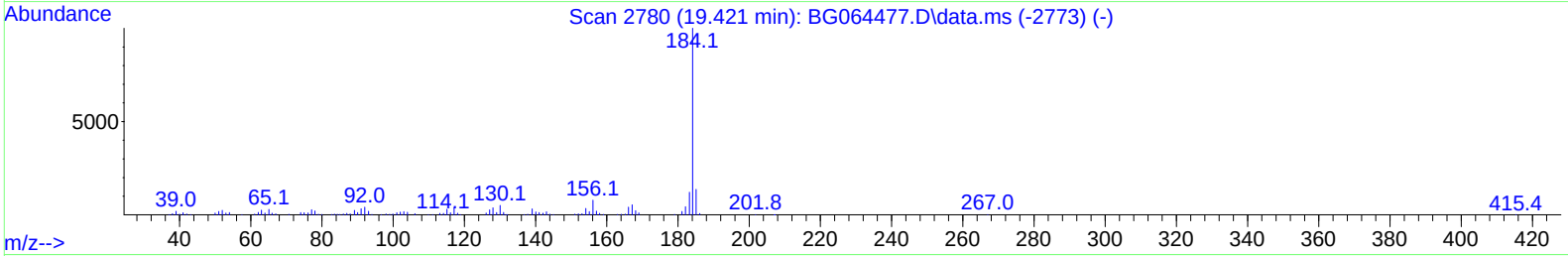
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
Data File : BG064496.D
Acq On : 14 Oct 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/14/2025	BNA_G	BG064496.D
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

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

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 918			Date Received:	
Client Sample ID:	PB170080BL			SDG No.:	Q3321
Lab Sample ID:	PB170080BL			Matrix:	TCLP
Analytical Method:	8270E	Level :	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :		Prep Date:	10/13/25		

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

Quantitation Report (QT Reviewed)

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

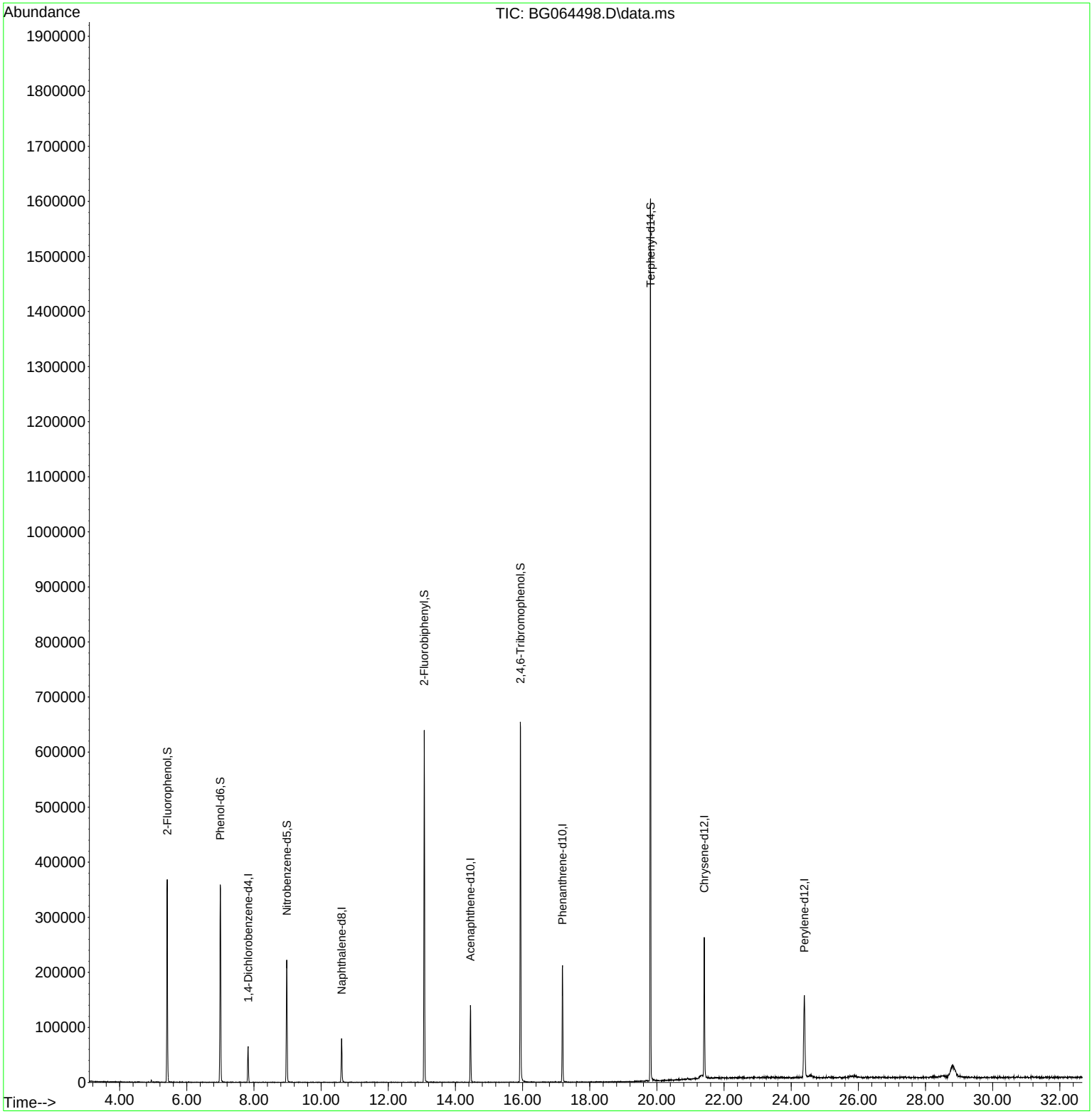
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	16844	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	64925	20.000	ng	# 0.00
39) Acenaphthene-d10	14.447	164	49607	20.000	ng	0.00
64) Phenanthrene-d10	17.185	188	132934	20.000	ng	0.00
76) Chrysene-d12	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

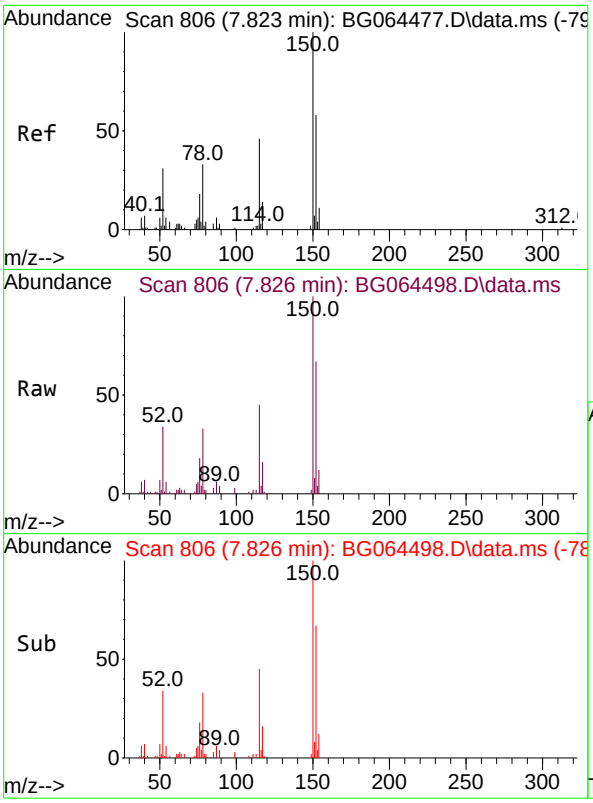
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



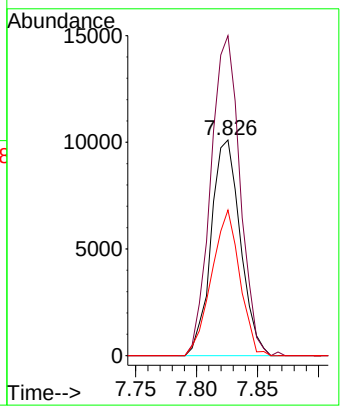


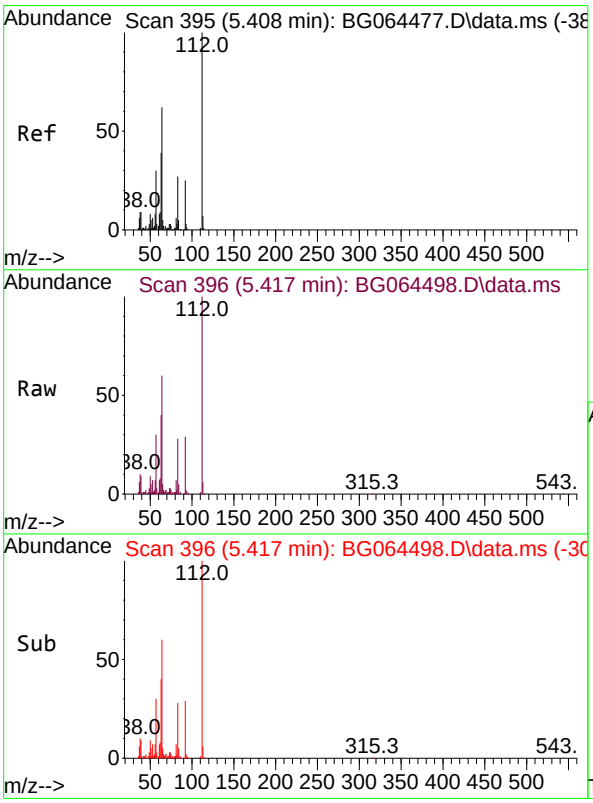
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.826 min Scan# 80
Delta R.T. 0.006 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

Instrument :
BNA_G
ClientSampleId :
PB170080BL

Tgt Ion:152 Resp: 16844

Ion	Ratio	Lower	Upper
152	100		
150	148.4	138.6	207.8
115	67.5	63.4	95.2

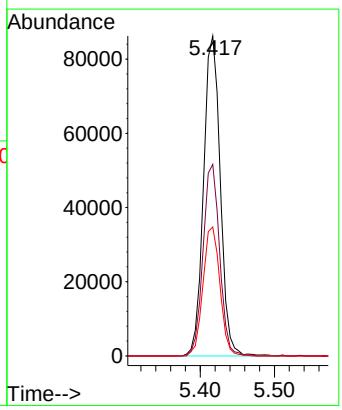


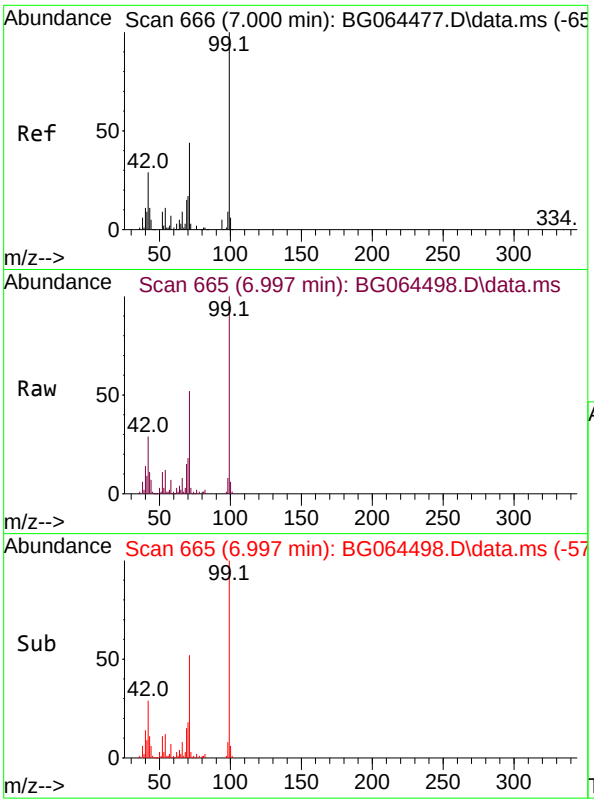


#5
2-Fluorophenol
Concen: 148.249 ng
RT: 5.417 min Scan# 396
Delta R.T. 0.011 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

Tgt Ion:112 Resp: 134929

Ion	Ratio	Lower	Upper
112	100		
64	59.8	49.8	74.8
63	40.3	31.3	46.9



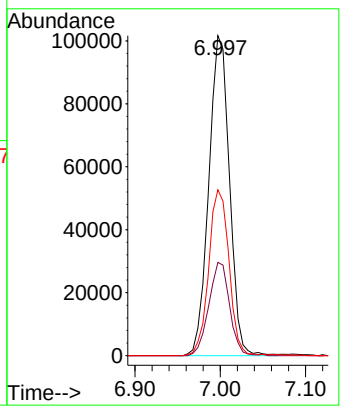


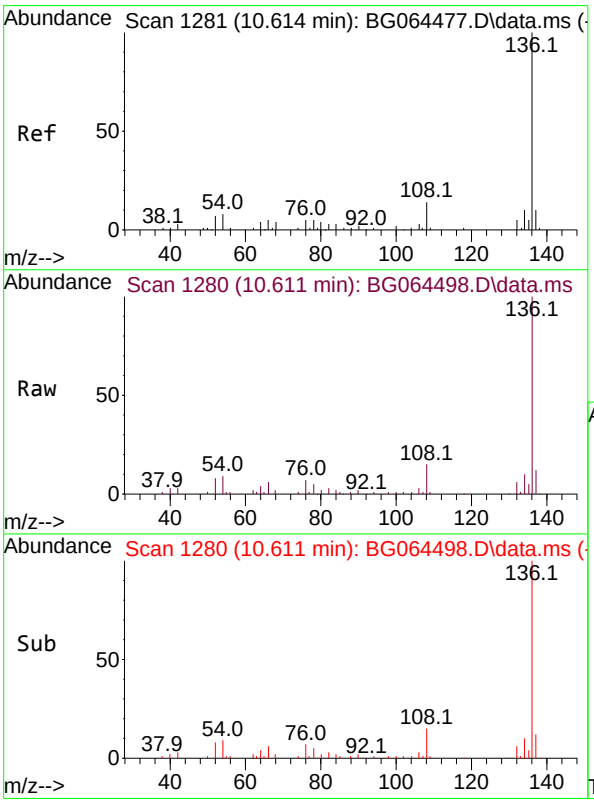
#7
Phenol-d6
Concen: 139.931 ng
RT: 6.997 min Scan# 6
Delta R.T. 0.011 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

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

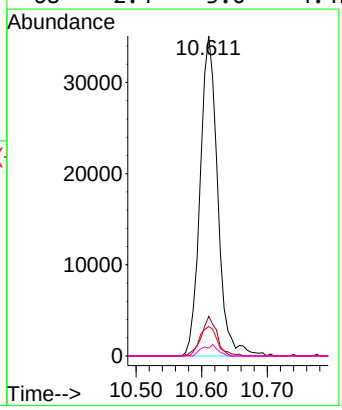


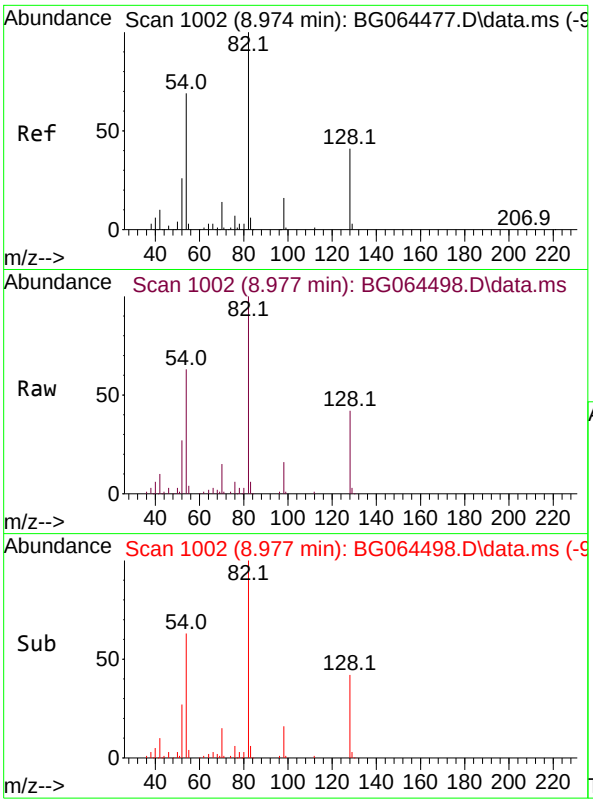


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1280
Delta R.T. 0.005 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

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#



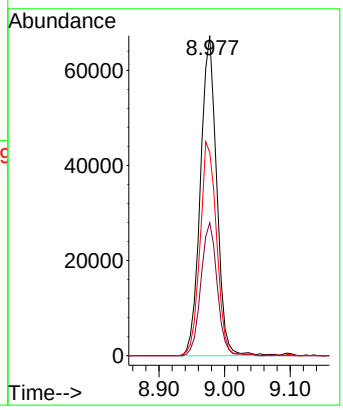


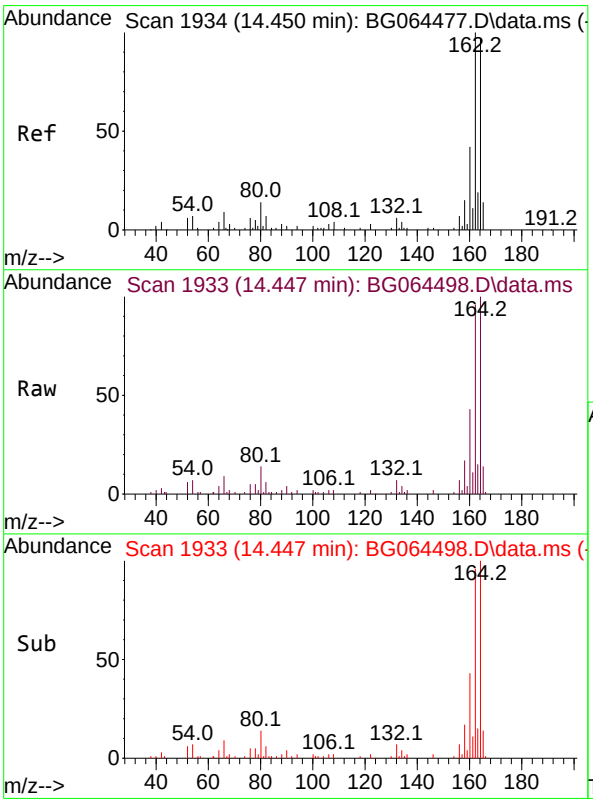
#23
Nitrobenzene-d5
Concen: 95.328 ng
RT: 8.977 min Scan# 10
Delta R.T. 0.011 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

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

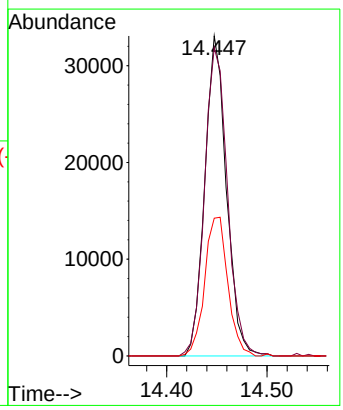


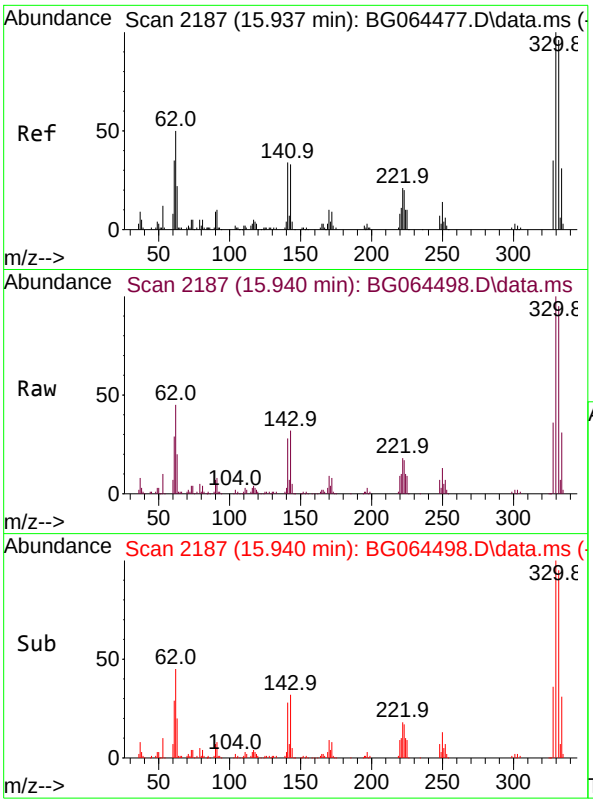


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.447 min Scan# 1933
Delta R.T. -0.001 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

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



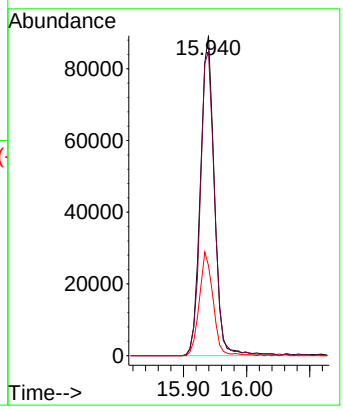


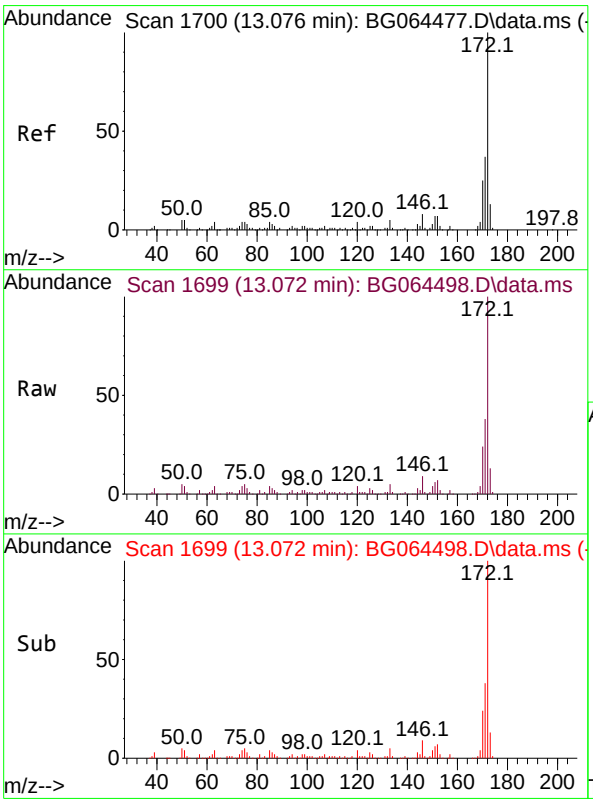
#42
2,4,6-Tribromophenol
Concen: 152.276 ng
RT: 15.940 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

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

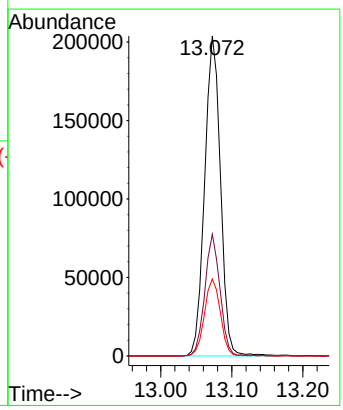


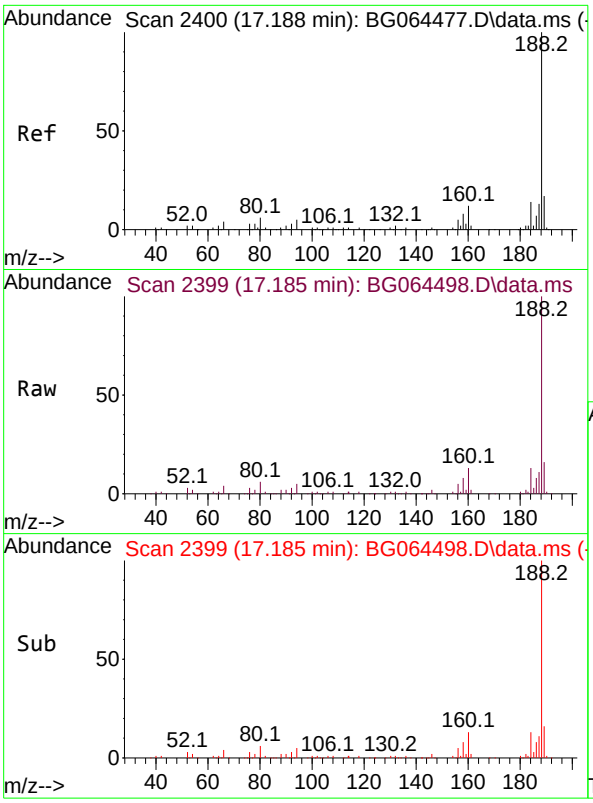


#45
2-Fluorobiphenyl
Concen: 93.247 ng
RT: 13.072 min Scan# 1699
Delta R.T. 0.005 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

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



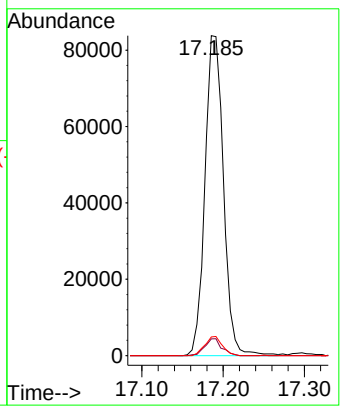


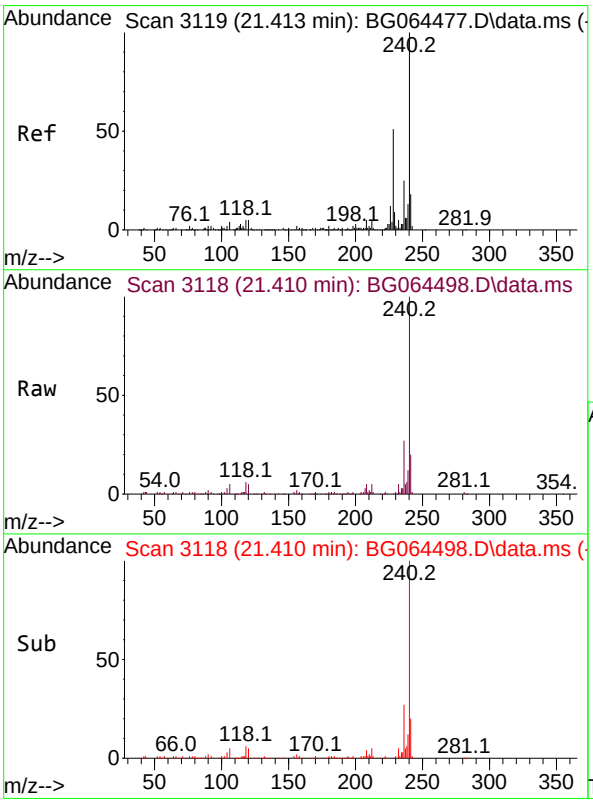
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.185 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

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

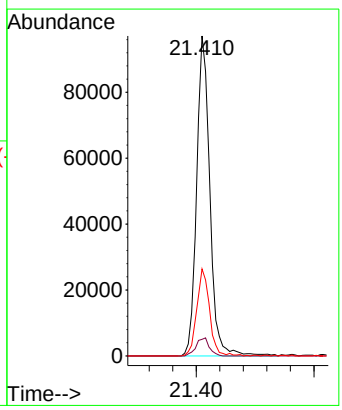


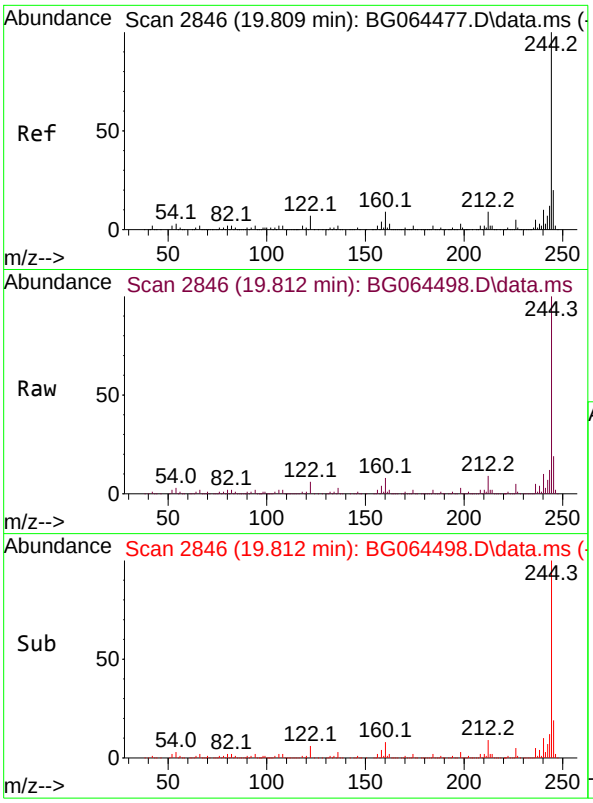


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

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



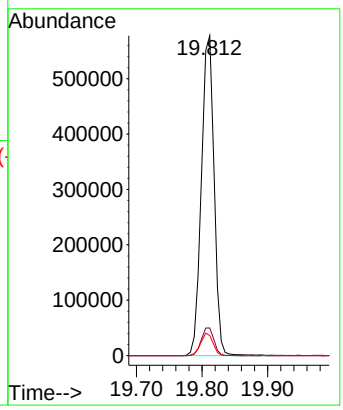


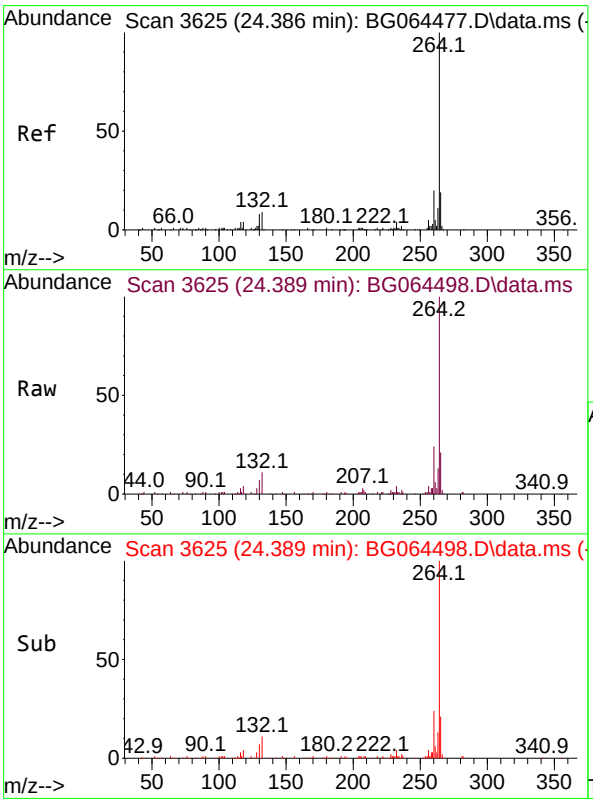
#79
Terphenyl-d14
Concen: 96.765 ng
RT: 19.812 min Scan# 28
Delta R.T. 0.005 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

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

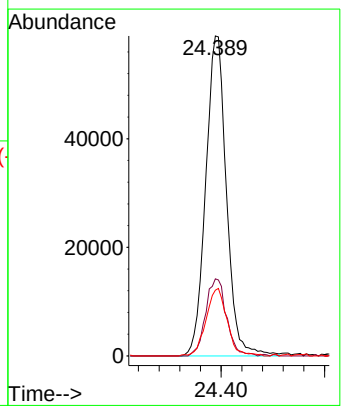




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.389 min Scan# 3625
Delta R.T. -0.001 min
Lab File: BG064498.D
Acq: 14 Oct 2025 12:31

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



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

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 918			Date Received:	
Client Sample ID:	PB170080BS			SDG No.:	Q3321
Lab Sample ID:	PB170080BS			Matrix:	TCLP
Analytical Method:	8270E	Level :	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	TCLP BNA
Prep Method :		Prep Date:	10/13/25		

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

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

Instrument :
BNA_G
ClientSampleId :
PB170080BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/15/2025
Supervised By :mohammad ahmed 10/17/2025

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

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

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

Instrument :
BNA_G
ClientSampleId :
PB170080BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/15/2025
Supervised By :mohammad ahmed 10/17/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.959	196	66418	52.235	ng		99
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

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

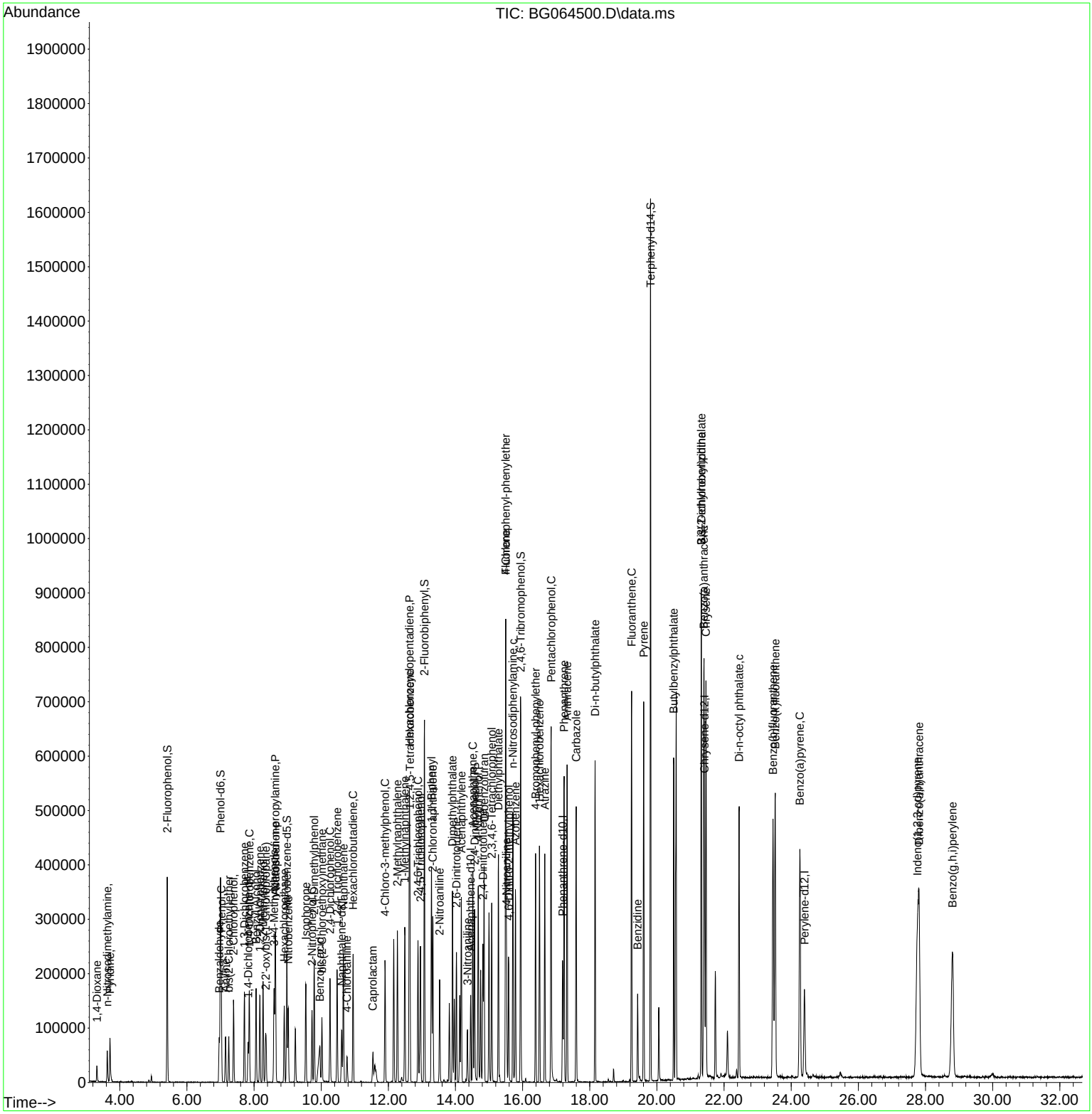
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
Data File : BG064500.D
Acq On : 14 Oct 2025 14:38
Operator : RC/JU
Sample : PB170080BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

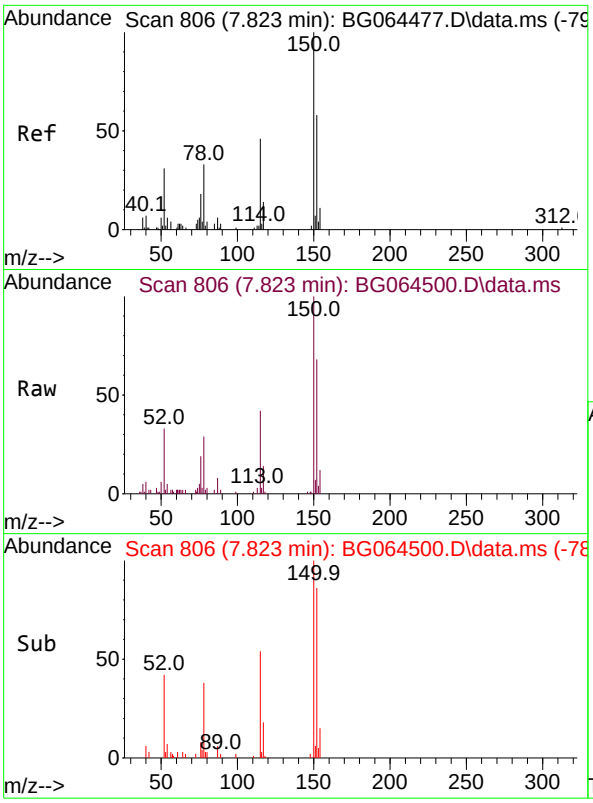
Quant Time: Oct 14 15:15:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170080BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/15/2025
Supervised By :mohammad ahmed 10/17/2025

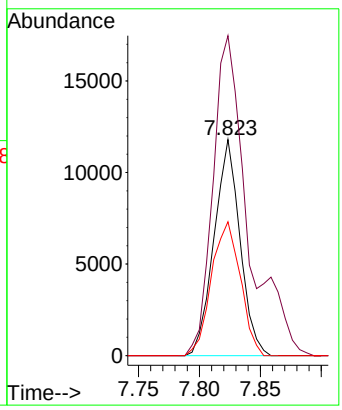




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:152 Resp: 1746

Ion	Ratio	Lower	Upper
152	100		
150	148.1	138.6	207.8
115	62.0	63.4	95.2



Instrument :
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ClientSampleId :
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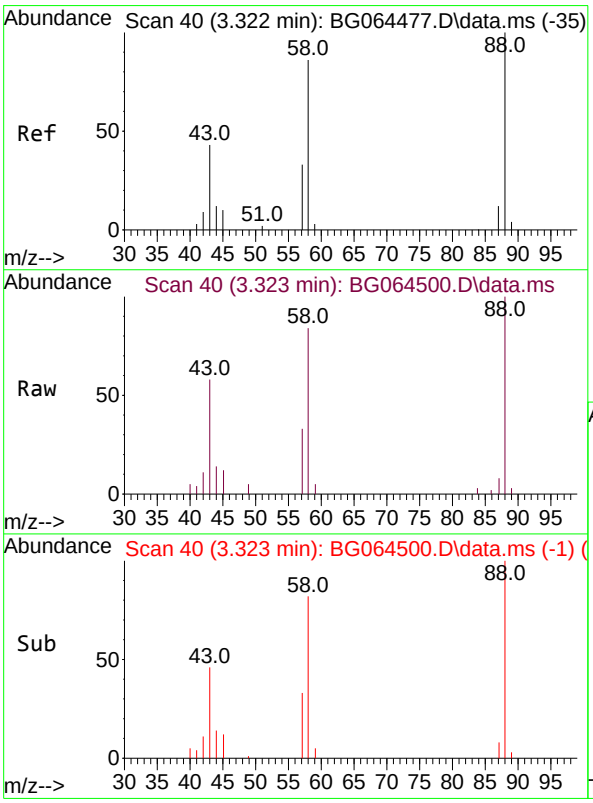
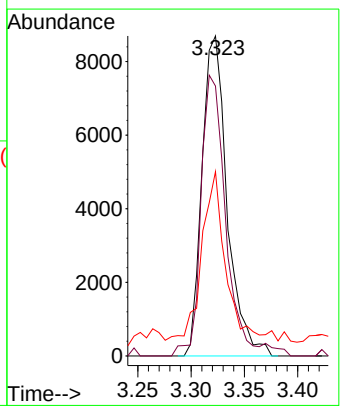
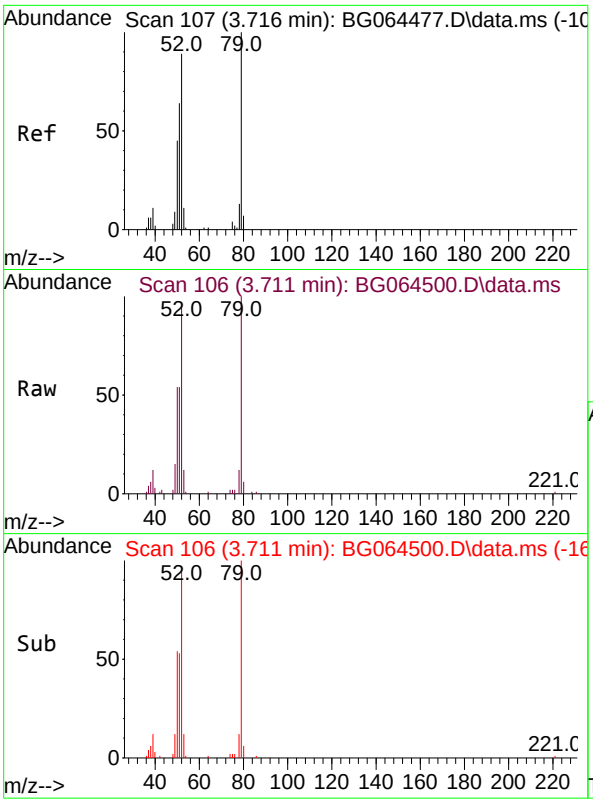


#2
1,4-Dioxane
Concen: 38.230 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

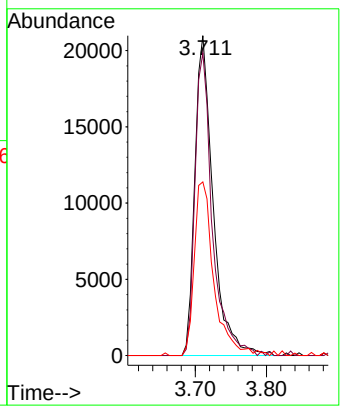




#3
Pyridine
Concen: 37.373 ng
RT: 3.711 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 79 Resp: 3749

Ion	Ratio	Lower	Upper
79	100		
52	94.5	71.0	106.4
51	54.3	51.0	76.6



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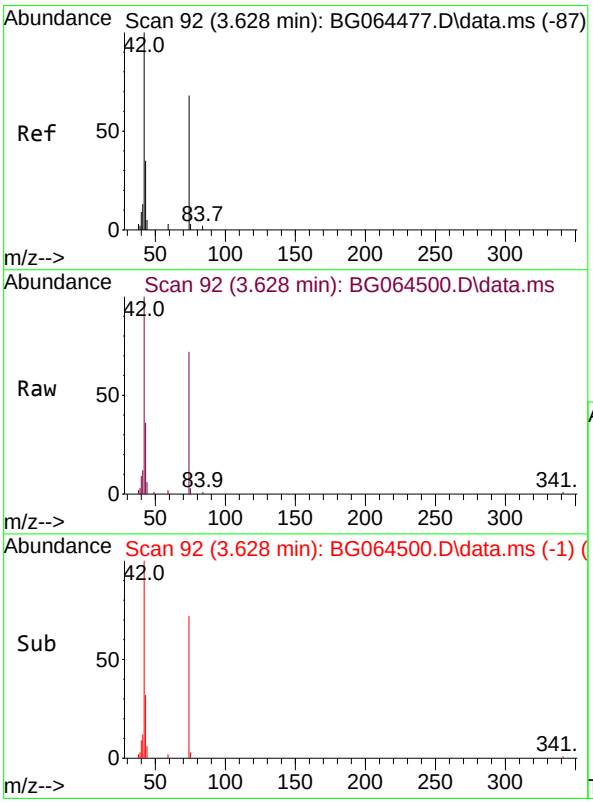
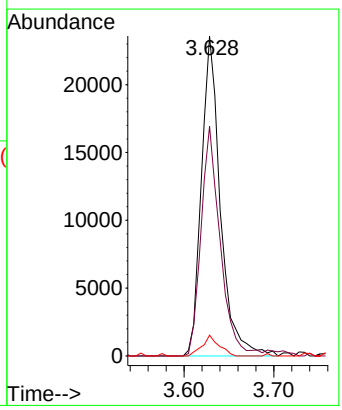
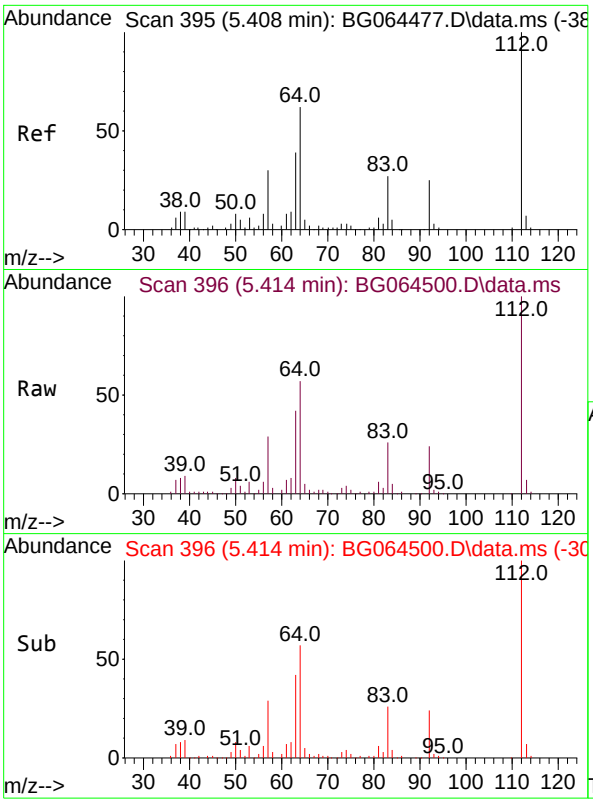


#4
n-Nitrosodimethylamine
Concen: 47.700 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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#

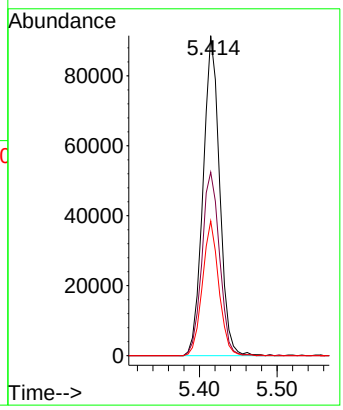




#5
2-Fluorophenol
Concen: 143.634 ng
RT: 5.414 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:112 Resp: 13555

Ion	Ratio	Lower	Upper
112	100		
64	57.3	49.8	74.8
63	42.1	31.3	46.9



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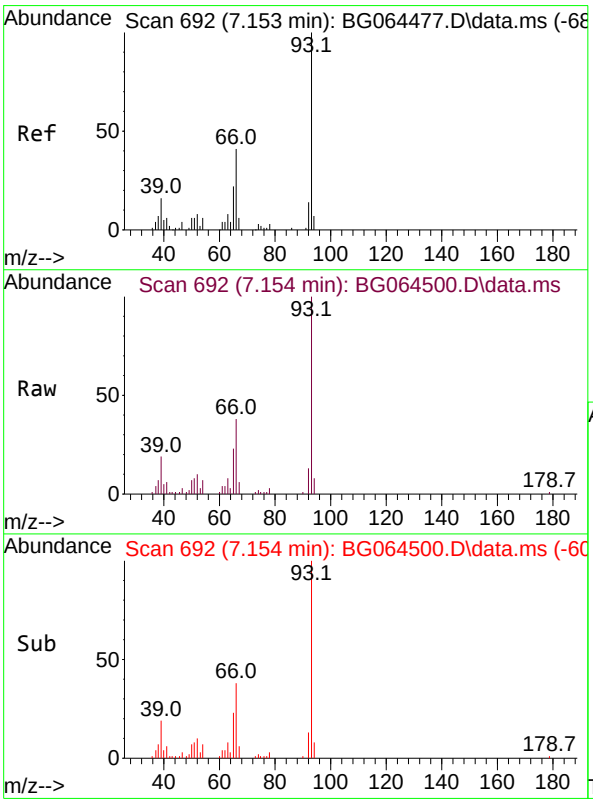
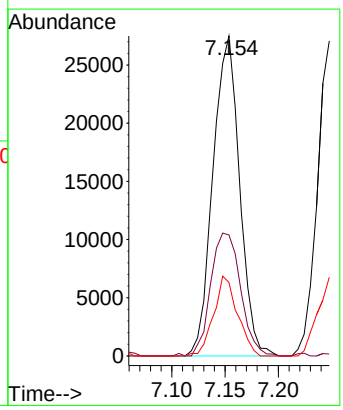
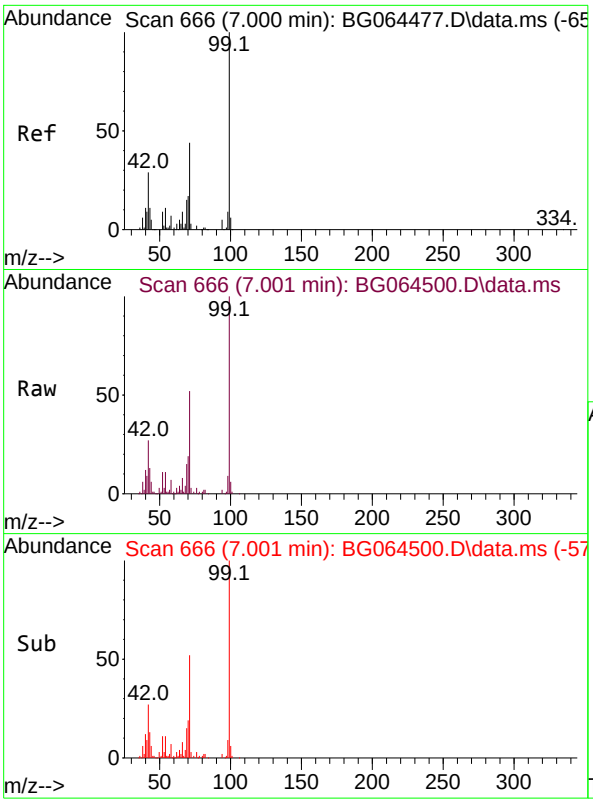


#6
Aniline
Concen: 29.859 ng
RT: 7.154 min Scan# 692
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

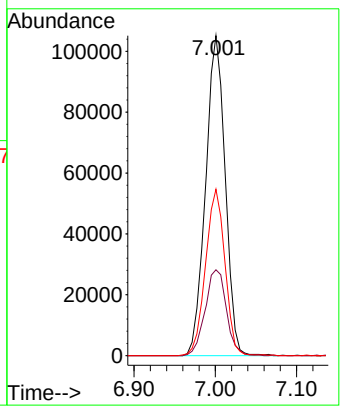




#7
Phenol-d6
Concen: 139.018 ng
RT: 7.001 min Scan# 6
Delta R.T. 0.015 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 99 Resp: 17631

Ion	Ratio	Lower	Upper
99	100		
42	26.8	22.9	34.3
71	52.0	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
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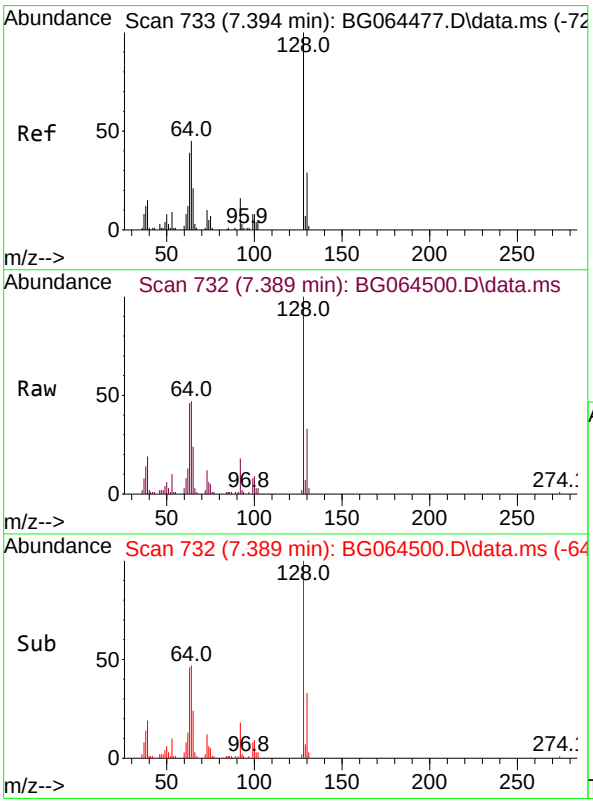
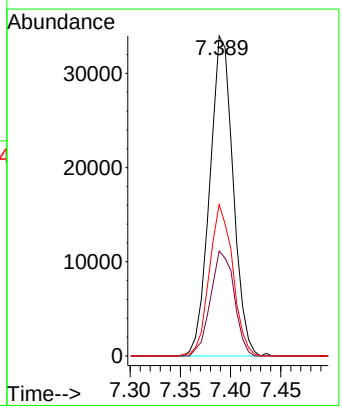
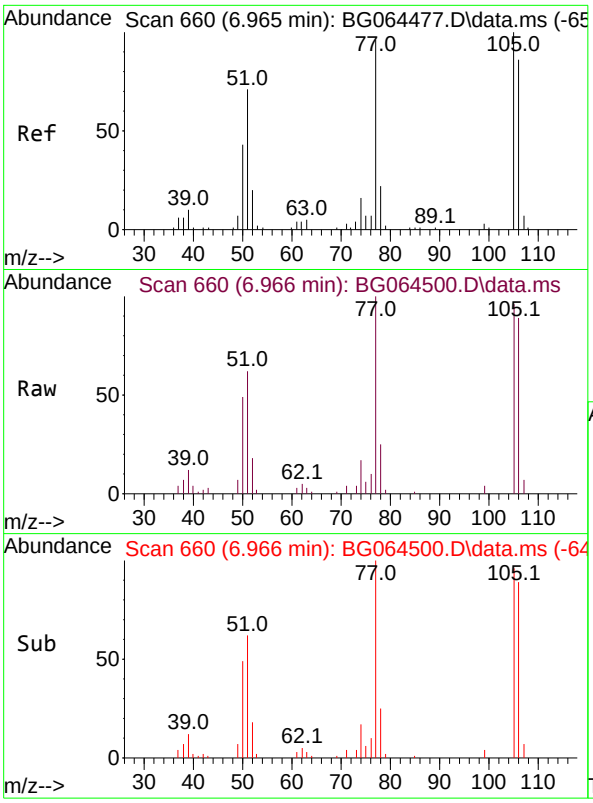


#8
2-Chlorophenol
Concen: 47.584 ng
RT: 7.389 min Scan# 732
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

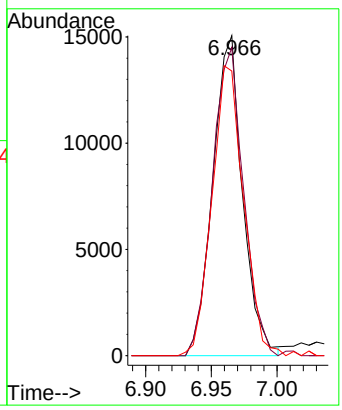




#9
Benzaldehyde
Concen: 21.084 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 77 Resp: 2373

Ion	Ratio	Lower	Upper
77	100		
105	96.3	83.7	123.7
106	88.9	69.4	109.4



Instrument :
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ClientSampleId :
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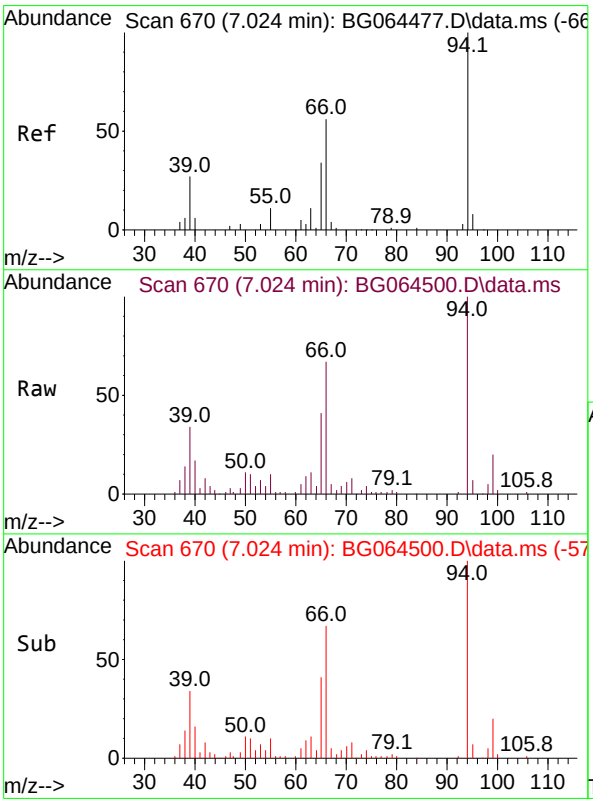
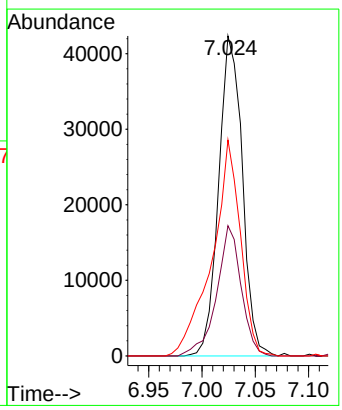
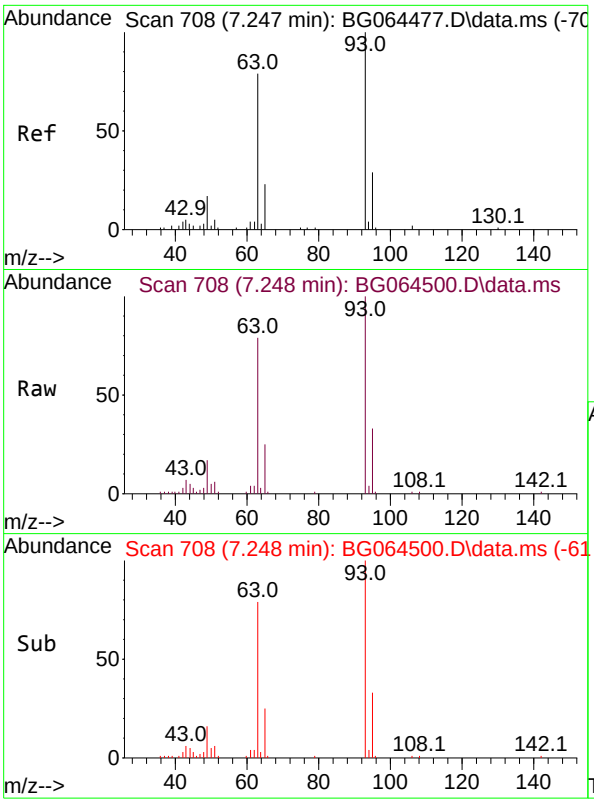


#10
Phenol
Concen: 48.868 ng
RT: 7.024 min Scan# 670
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

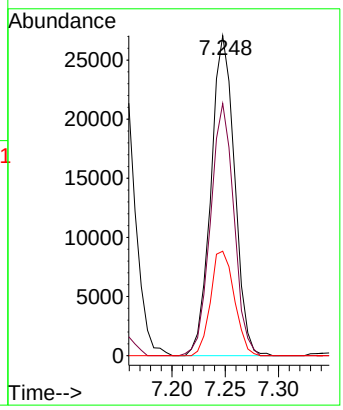




#11
bis(2-Chloroethyl)ether
Concen: 46.077 ng
RT: 7.248 min Scan# 70
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 93 Resp: 4174

Ion	Ratio	Lower	Upper
93	100		
63	78.8	59.5	99.5
95	32.6	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
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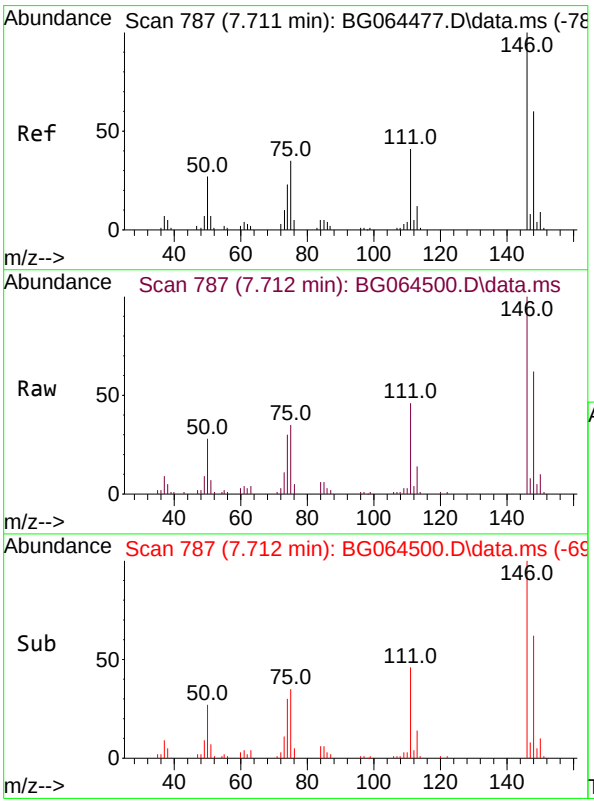
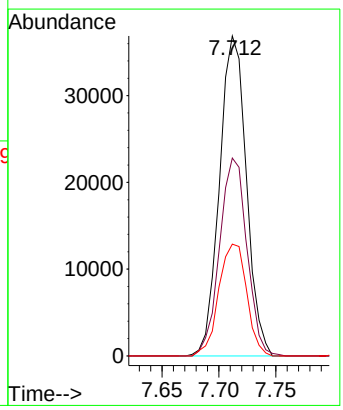
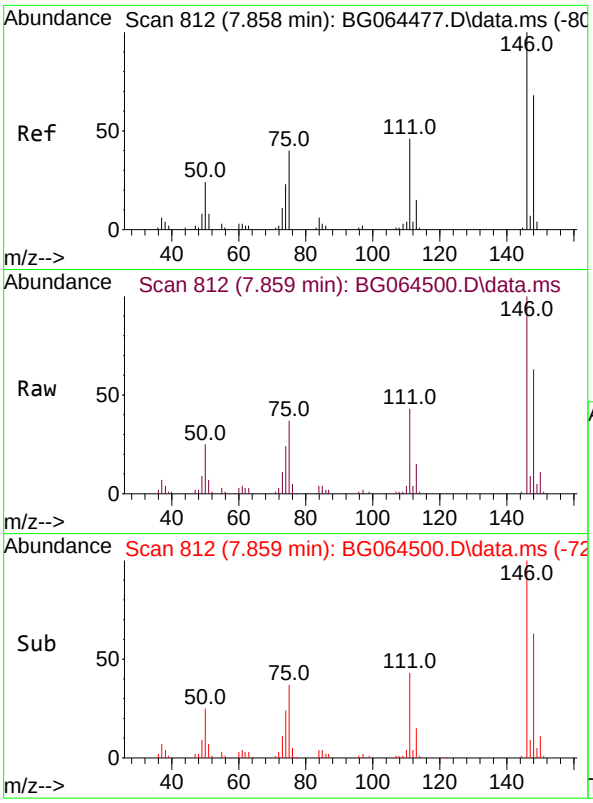


#12
1,3-Dichlorobenzene
Concen: 47.730 ng
RT: 7.712 min Scan# 787
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

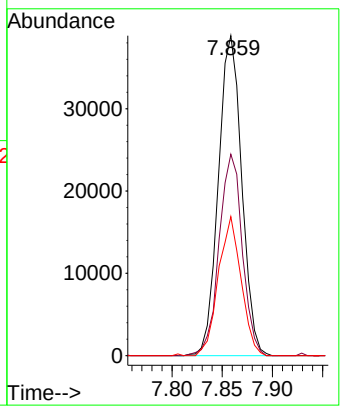




#13
1,4-Dichlorobenzene
Concen: 49.515 ng
RT: 7.859 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:146 Resp: 6300

Ion	Ratio	Lower	Upper
146	100		
148	63.0	54.4	81.6
111	43.4	36.5	54.7



Instrument :
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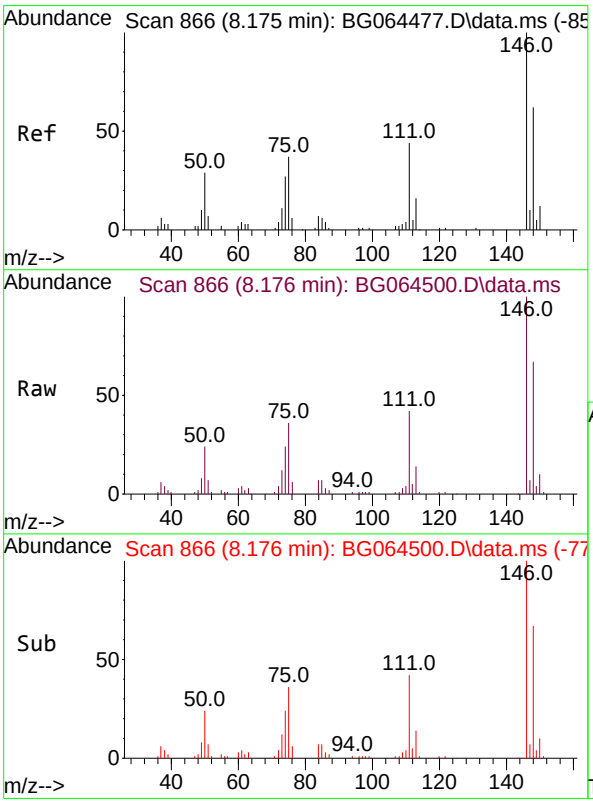
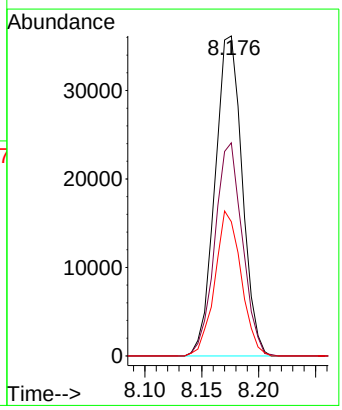
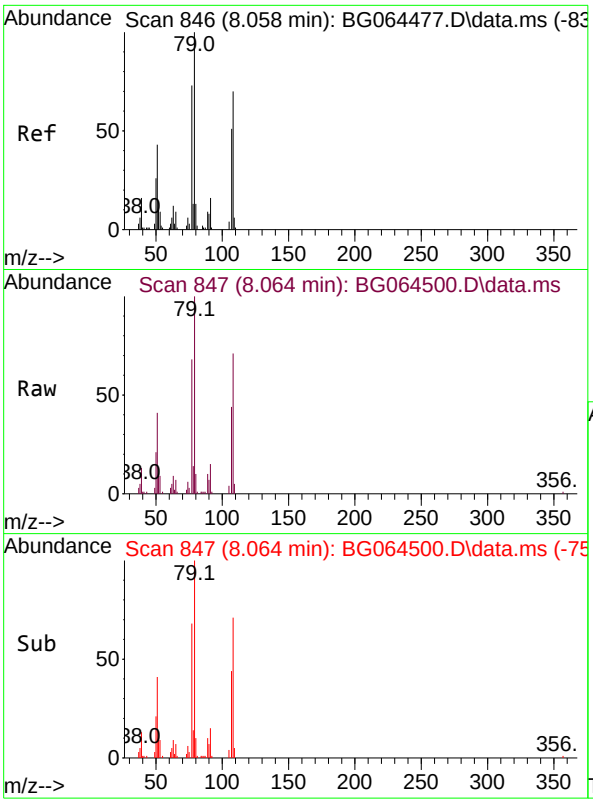


#14
1,2-Dichlorobenzene
Concen: 47.991 ng
RT: 8.176 min Scan# 866
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

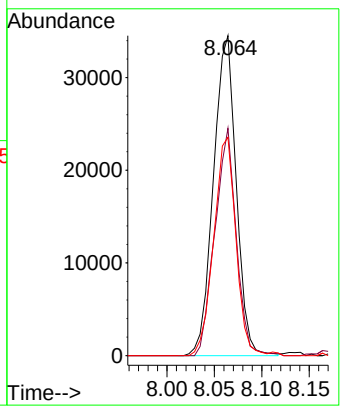




#15
Benzyl Alcohol
Concen: 49.325 ng
RT: 8.064 min Scan# 84
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 79 Resp: 5761

Ion	Ratio	Lower	Upper
79	100		
108	71.0	56.4	84.6
77	68.2	58.3	87.5



Instrument :
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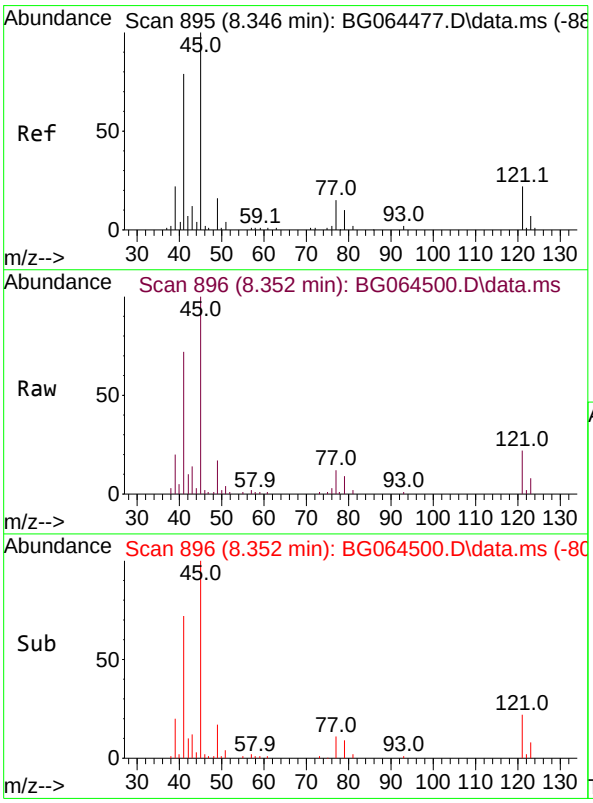
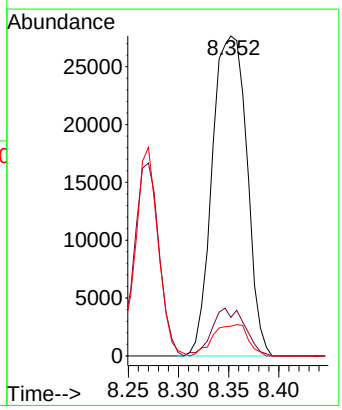
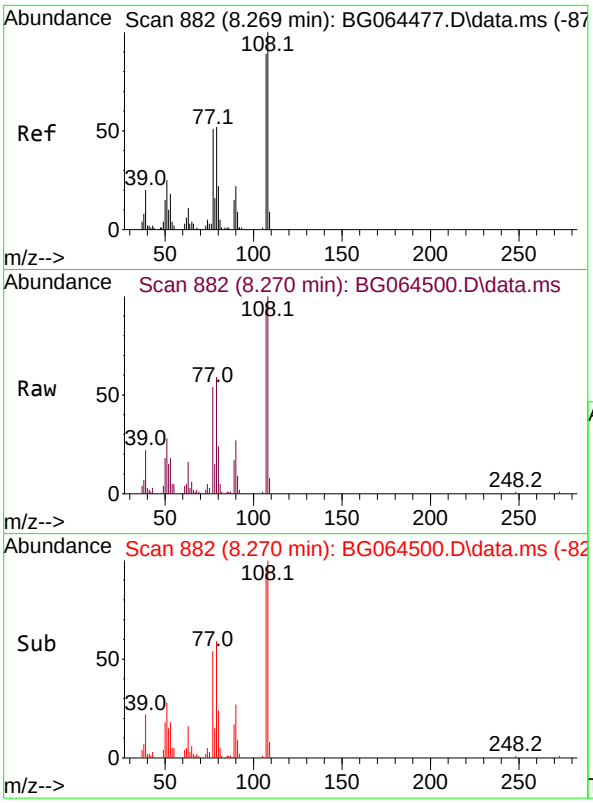


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.380 ng
RT: 8.352 min Scan# 896
Delta R.T. 0.015 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

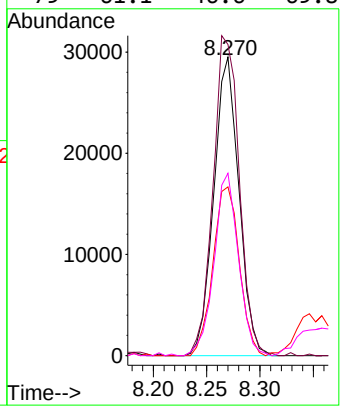




#17
2-Methylphenol
Concen: 50.086 ng
RT: 8.270 min Scan# 88
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:107 Resp: 4852

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



Instrument :
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ClientSampleId :
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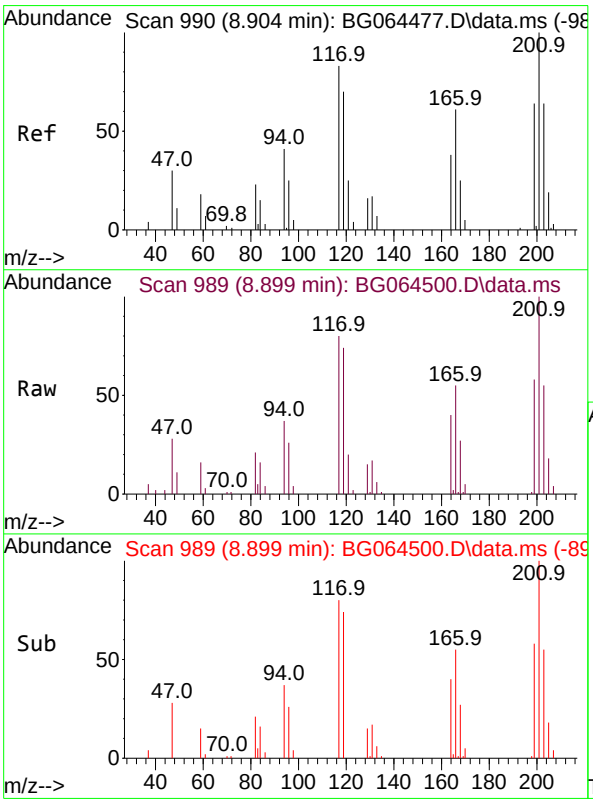
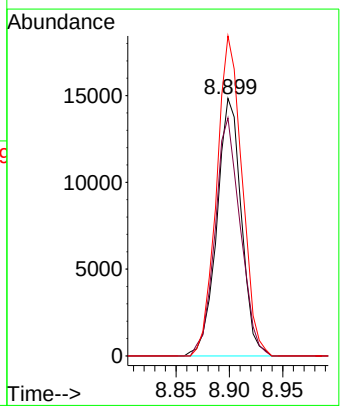
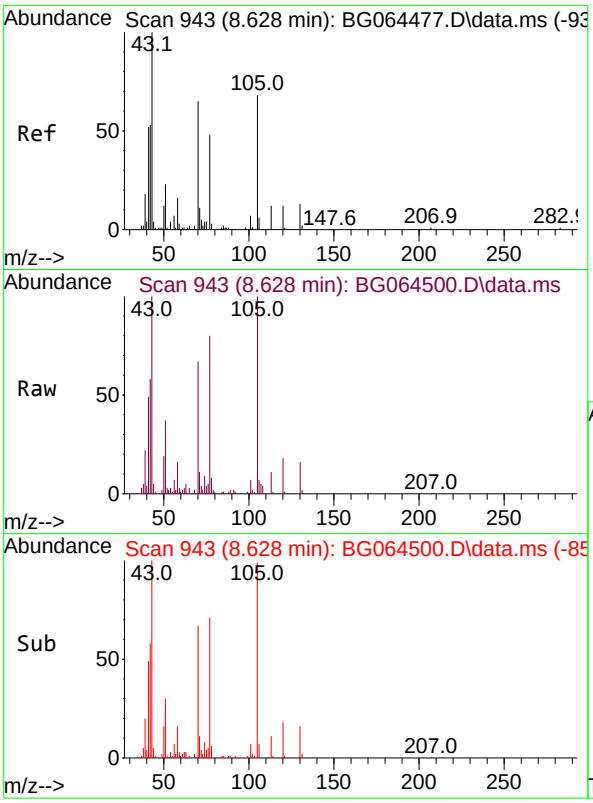


#18
Hexachloroethane
Concen: 47.241 ng
RT: 8.899 min Scan# 989
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

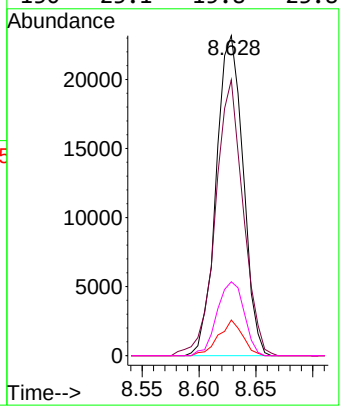




#19
n-Nitroso-di-n-propylamine
Concen: 44.917 ng
RT: 8.628 min Scan# 94
Delta R.T. 0.015 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 70 Resp: 3809

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



Instrument :
BNA_G
ClientSampleId :
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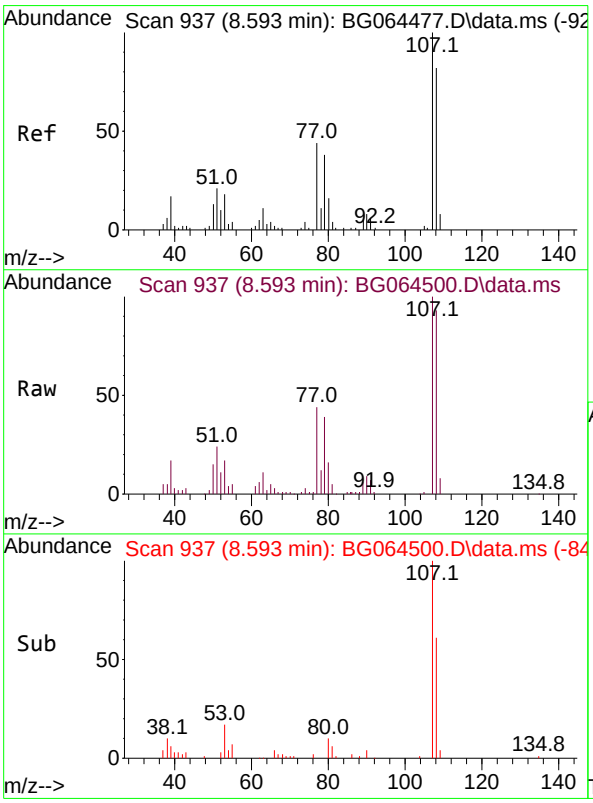
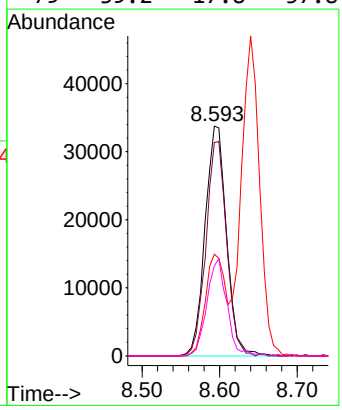
Supervised By :mohammad ahmed 10/17/2025

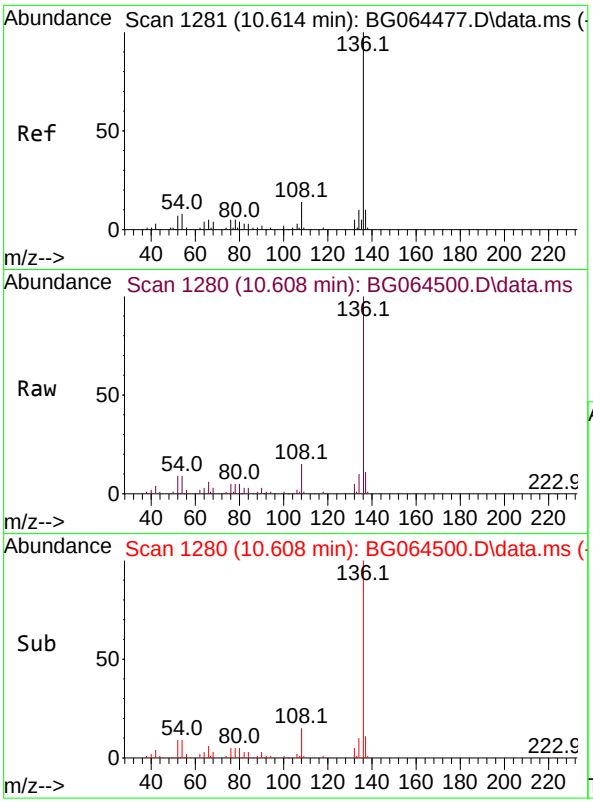


#20
3+4-Methylphenols
Concen: 47.978 ng
RT: 8.593 min Scan# 937
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

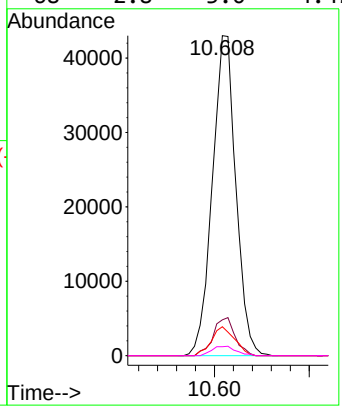




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:136 Resp: 7404

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#



Instrument :
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ClientSampleId :
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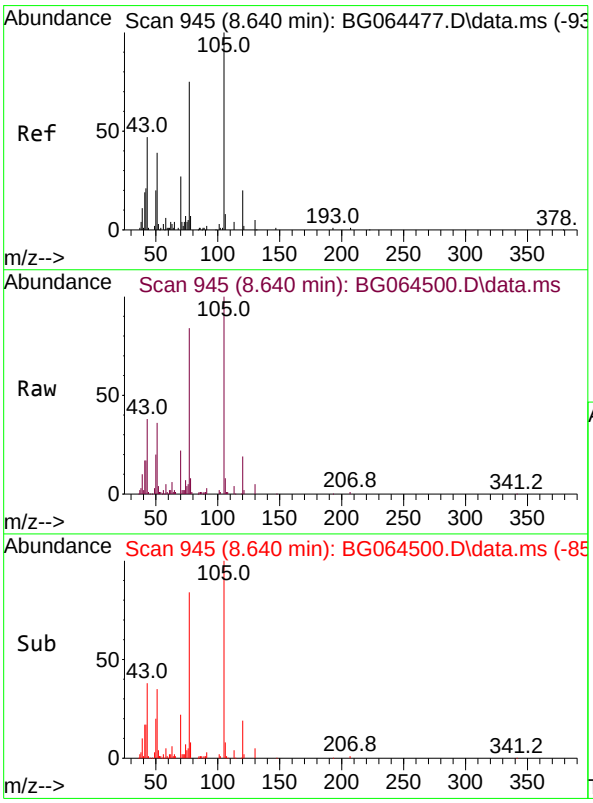
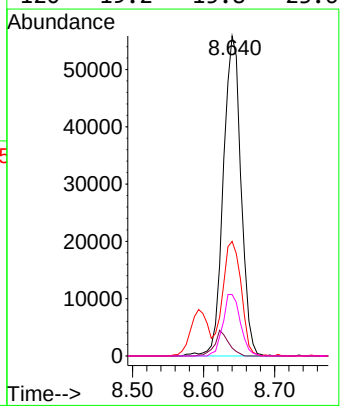
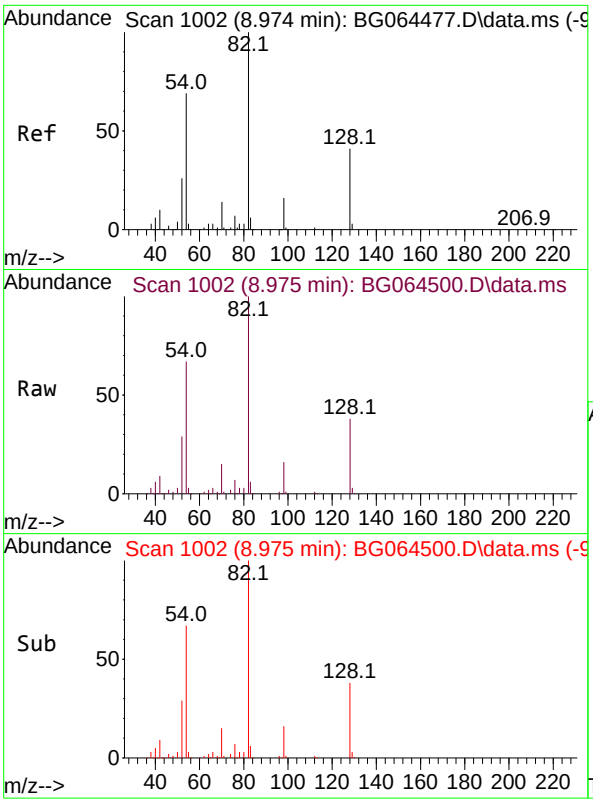


#22
Acetophenone
Concen: 53.924 ng
RT: 8.640 min Scan# 945
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

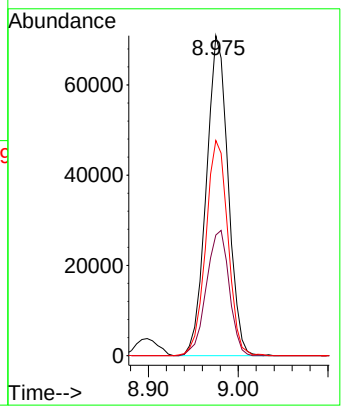




#23
Nitrobenzene-d5
Concen: 86.824 ng
RT: 8.975 min Scan# 10
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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



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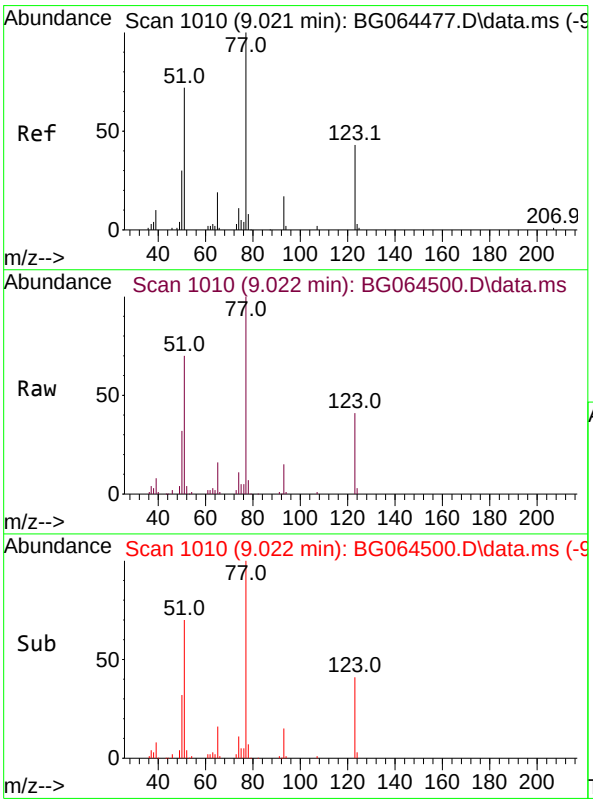
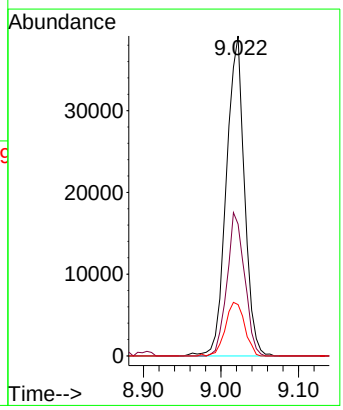
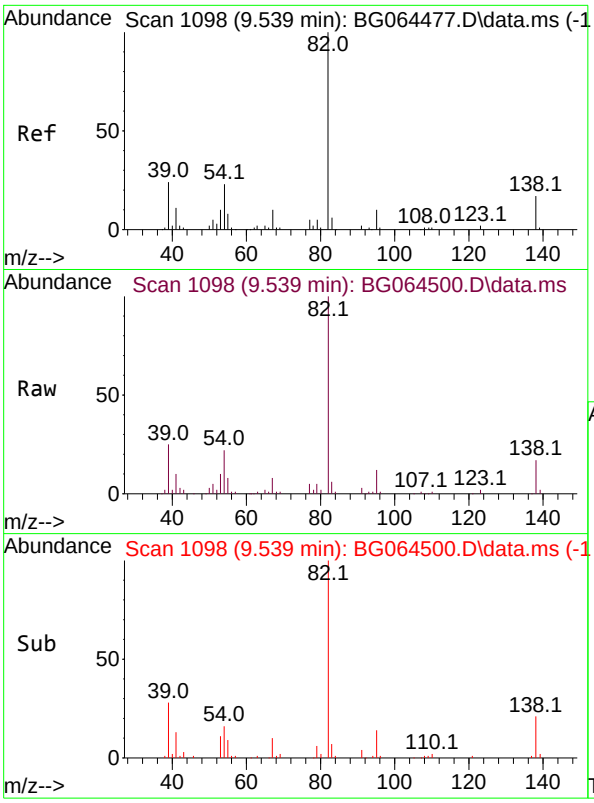


#24
Nitrobenzene
Concen: 46.208 ng
RT: 9.022 min Scan# 1010
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

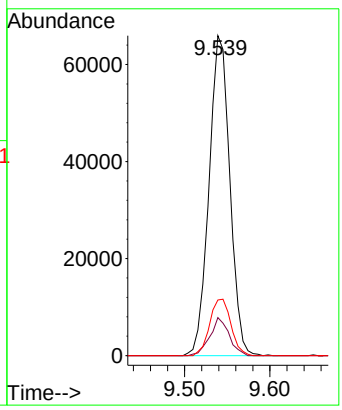




#25
Isophorone
Concen: 44.801 ng
RT: 9.539 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 82 Resp: 11176

Ion	Ratio	Lower	Upper
82	100		
95	11.9	7.8	11.8
138	17.4	13.8	20.6



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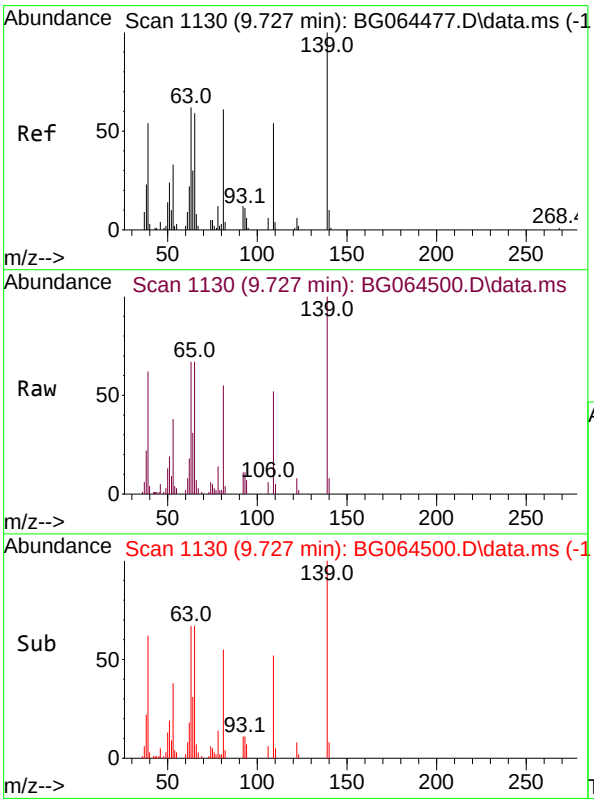
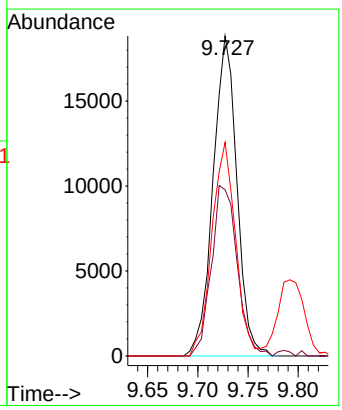
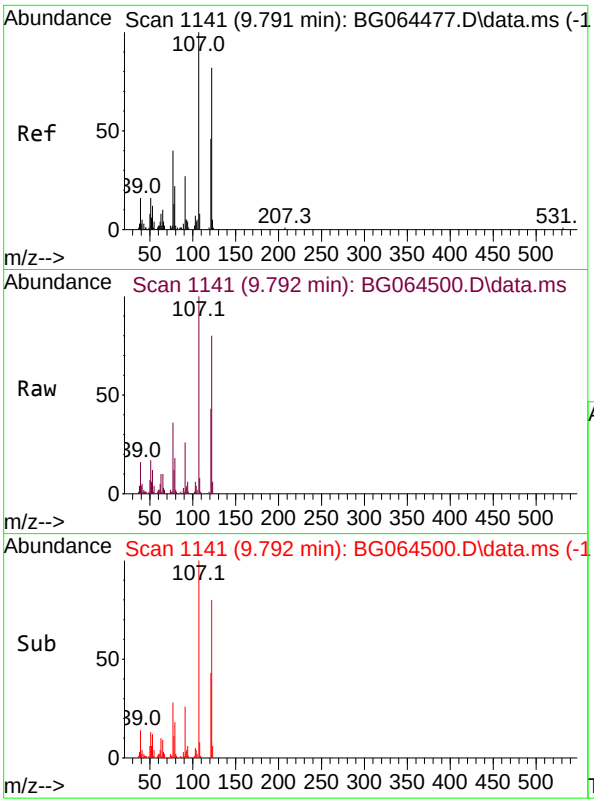


#26
2-Nitrophenol
Concen: 45.567 ng
RT: 9.727 min Scan# 1130
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

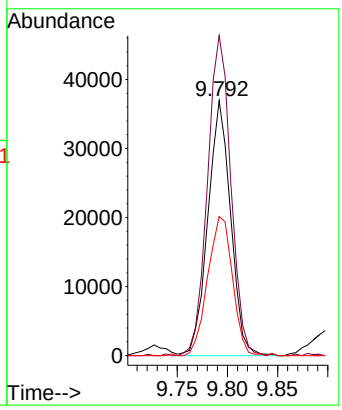




#27
2,4-Dimethylphenol
Concen: 55.860 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:122 Resp: 5831

Ion	Ratio	Lower	Upper
122	100		
107	125.5	98.3	147.5
121	54.6	44.7	67.1



Instrument :
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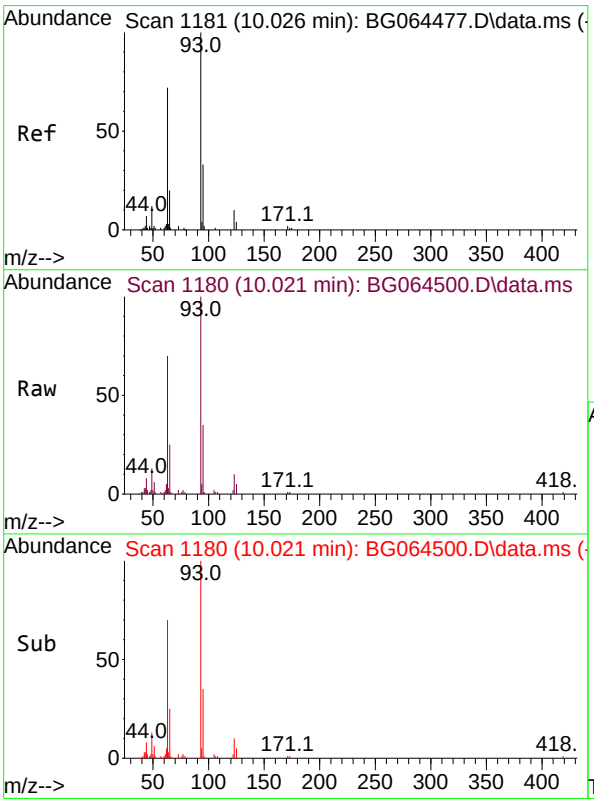
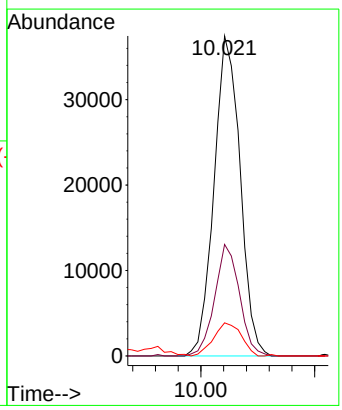
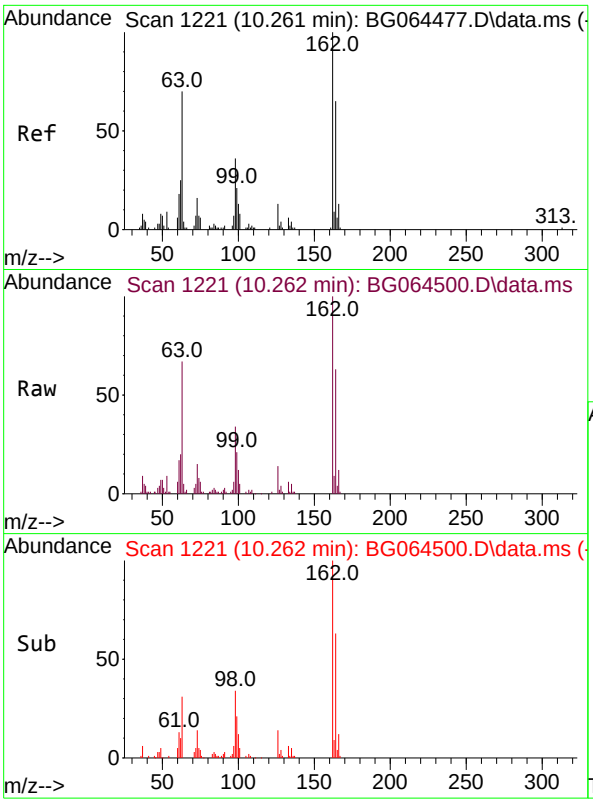


#28
bis(2-Chloroethoxy)methane
Concen: 46.744 ng
RT: 10.021 min Scan# 1180
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 93 Resp: 59440

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# 1
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:162 Resp: 5991

Ion	Ratio	Lower	Upper
162	100		
164	63.4	45.4	85.4
98	34.3	16.4	56.4

Instrument :
BNA_G
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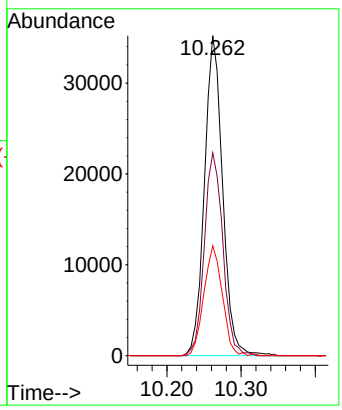
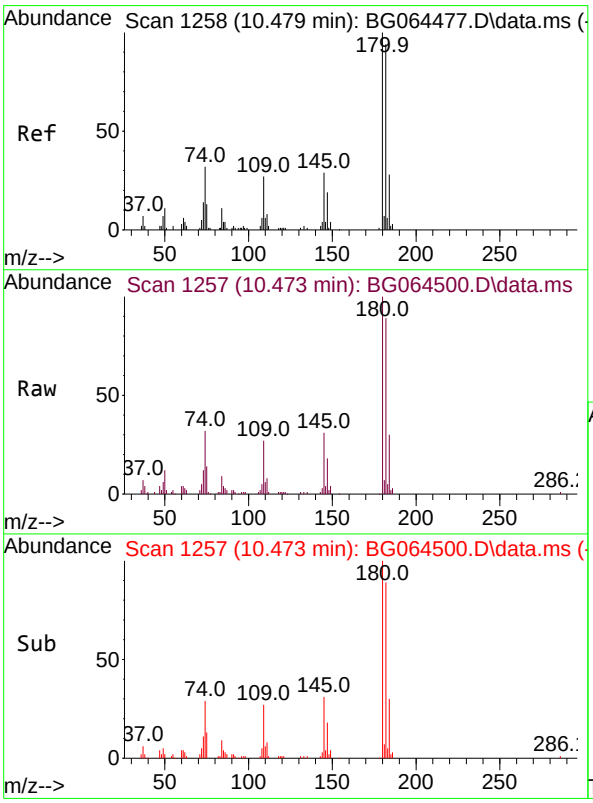
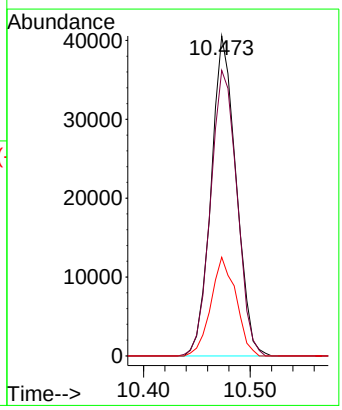


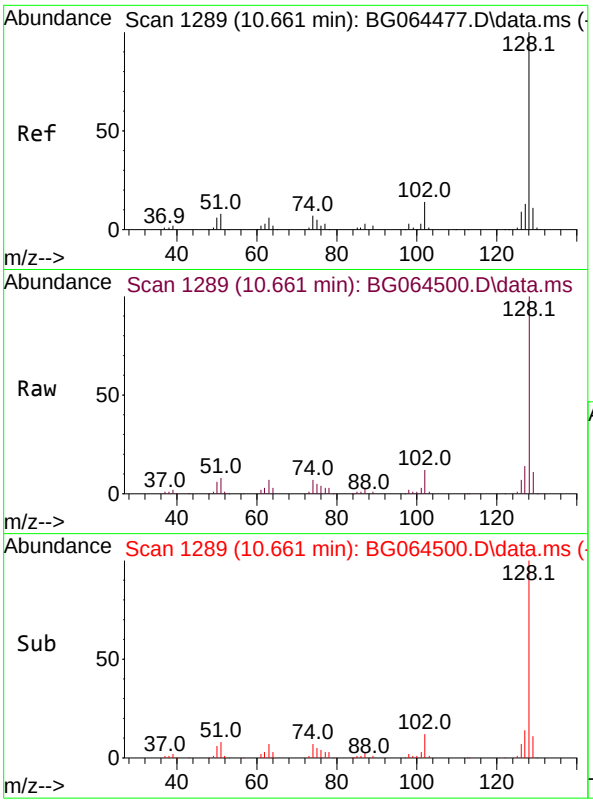


#30
1,2,4-Trichlorobenzene
Concen: 50.228 ng
RT: 10.473 min Scan# 1257
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

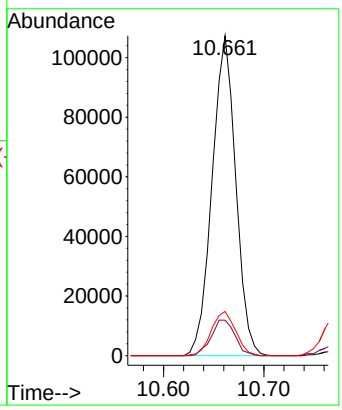




#31
Naphthalene
Concen: 46.115 ng
RT: 10.661 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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



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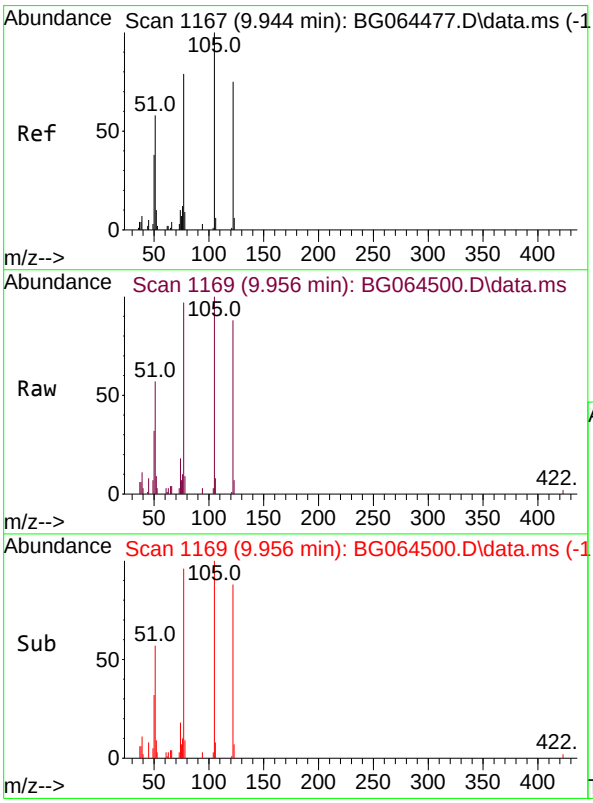
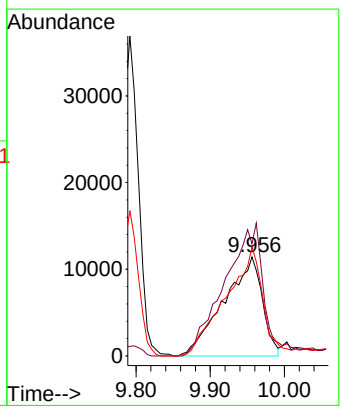
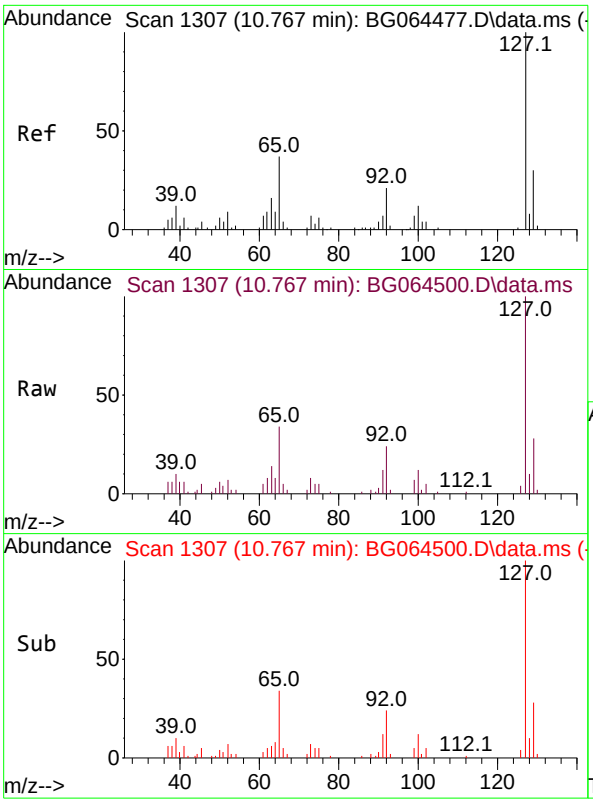


#32
Benzoic acid
Concen: 51.298 ng
RT: 9.956 min Scan# 1169
Delta R.T. 0.068 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

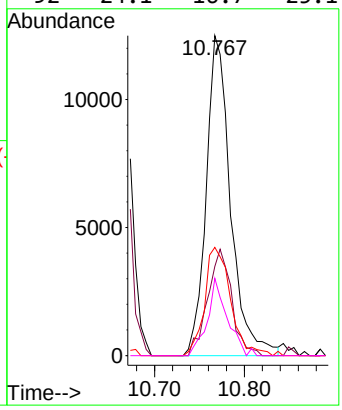




#33
4-Chloroaniline
Concen: 16.127 ng
RT: 10.767 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:127 Resp: 2359

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



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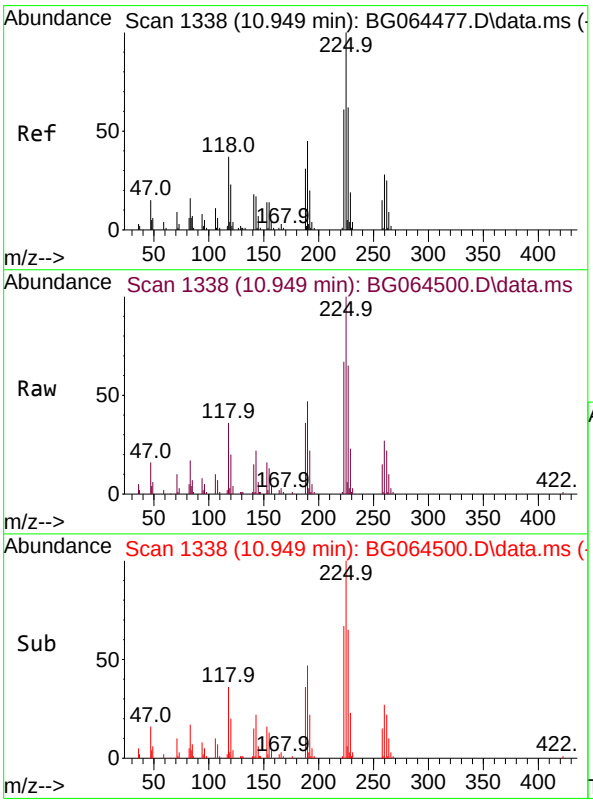
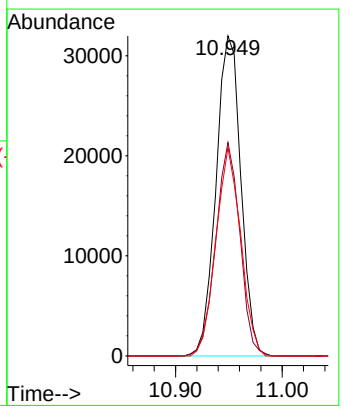
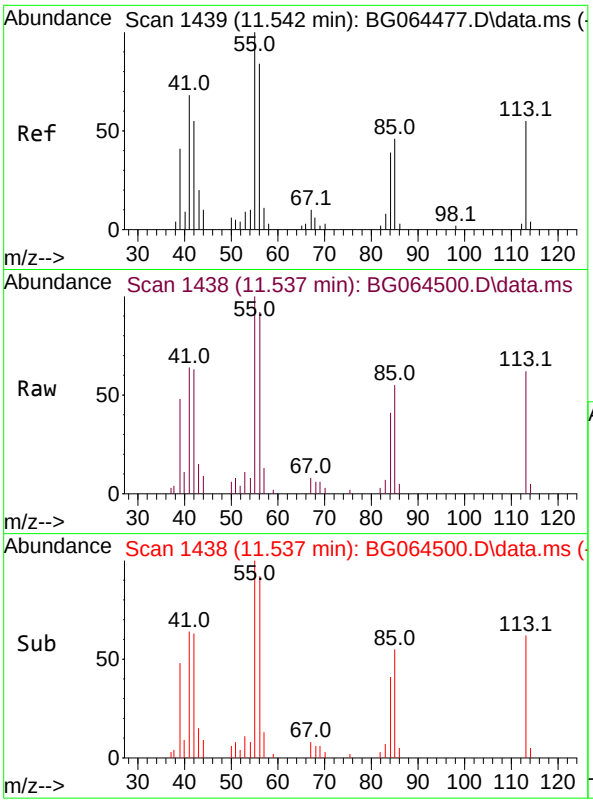


#34
Hexachlorobutadiene
Concen: 46.045 ng
RT: 10.949 min Scan# 1338
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

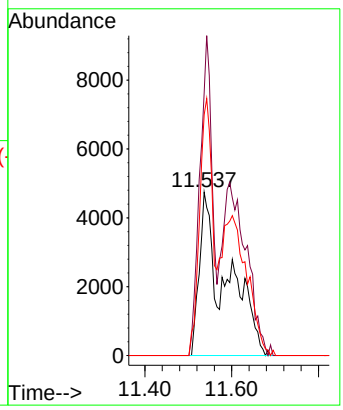




#35
Caprolactam
Concen: 49.066 ng m
RT: 11.537 min Scan# 14
Delta R.T. 0.026 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:113 Resp: 2027

Ion	Ratio	Lower	Upper
113	100		
55	160.6	162.0	202.0
56	147.3	134.6	174.6



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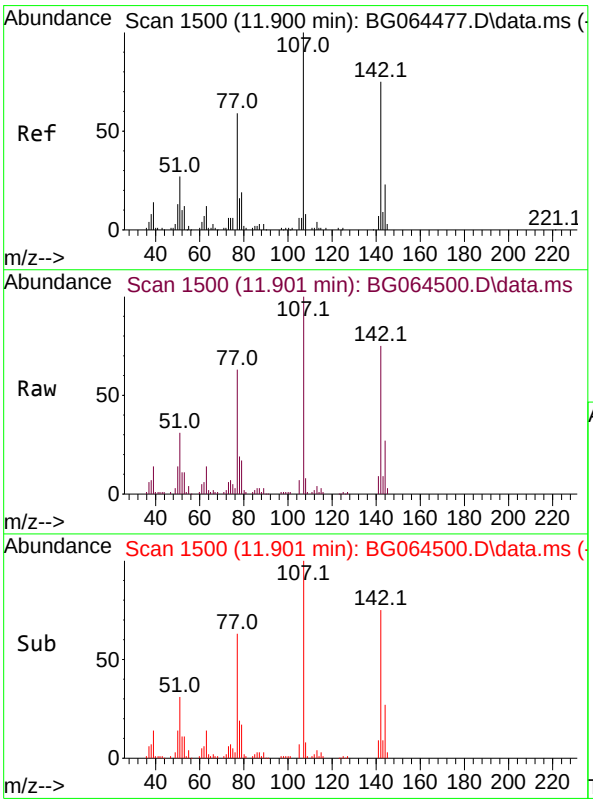
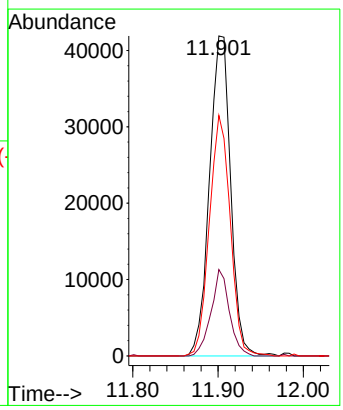
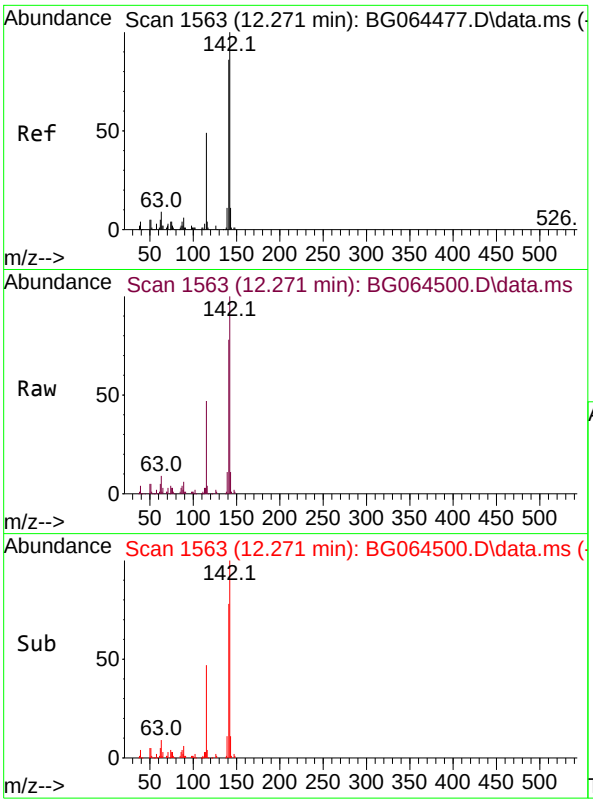


#36
4-Chloro-3-methylphenol
Concen: 49.128 ng
RT: 11.901 min Scan# 1500
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:107 Resp: 72117

Ion	Ratio	Lower	Upper
107	100		
144	27.0	18.7	28.1
142	75.1	60.2	90.2

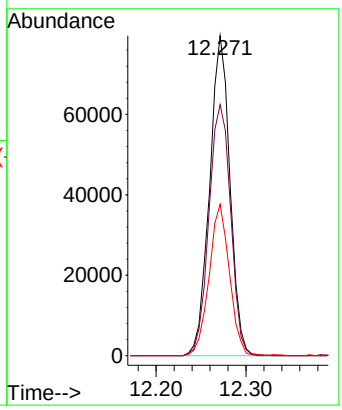




#37
2-Methylnaphthalene
Concen: 42.884 ng
RT: 12.271 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:142 Resp: 12551

Ion	Ratio	Lower	Upper
142	100		
141	78.4	68.7	103.1
115	47.3	39.3	58.9



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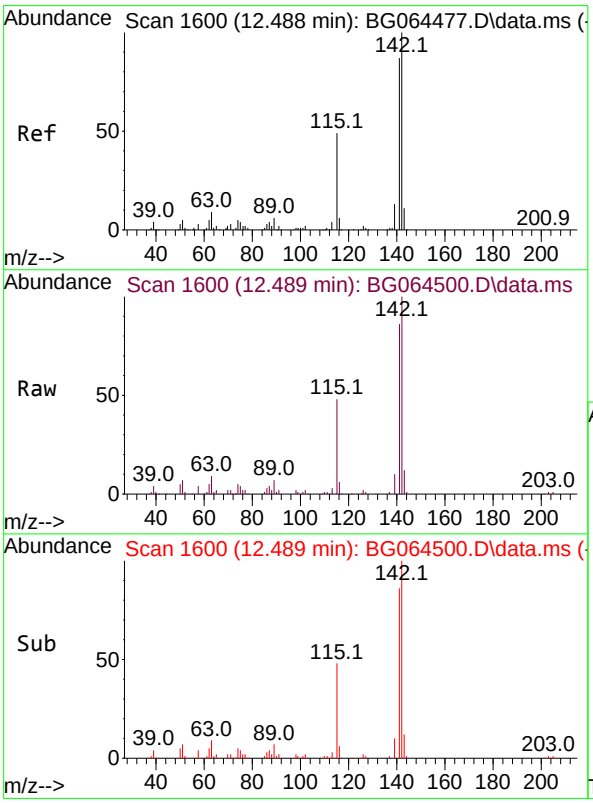
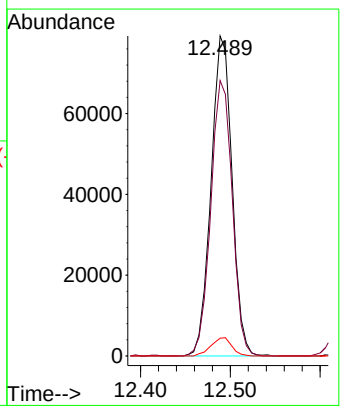
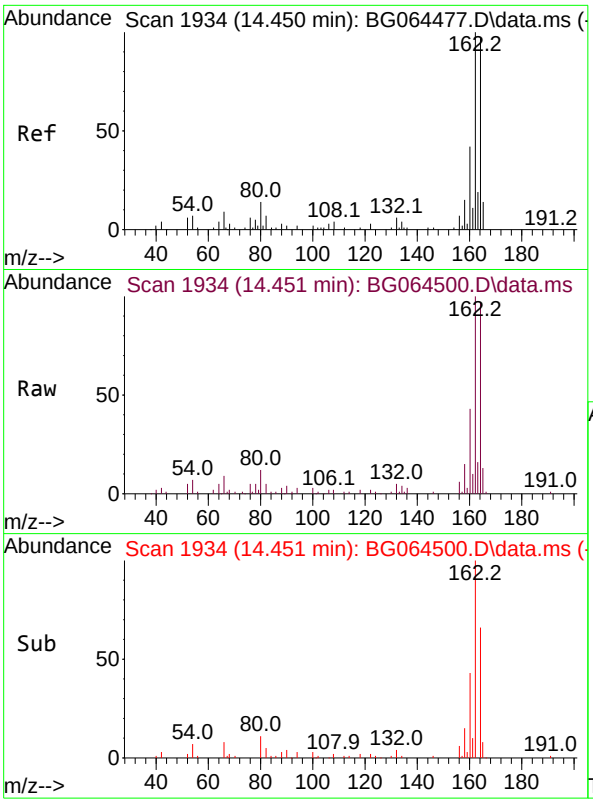


#38
1-Methylnaphthalene
Concen: 44.117 ng
RT: 12.489 min Scan# 1600
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

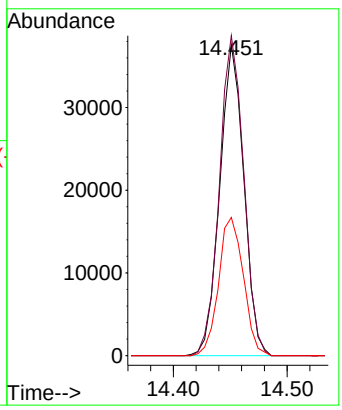




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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



Instrument :
BNA_G
ClientSampleId :
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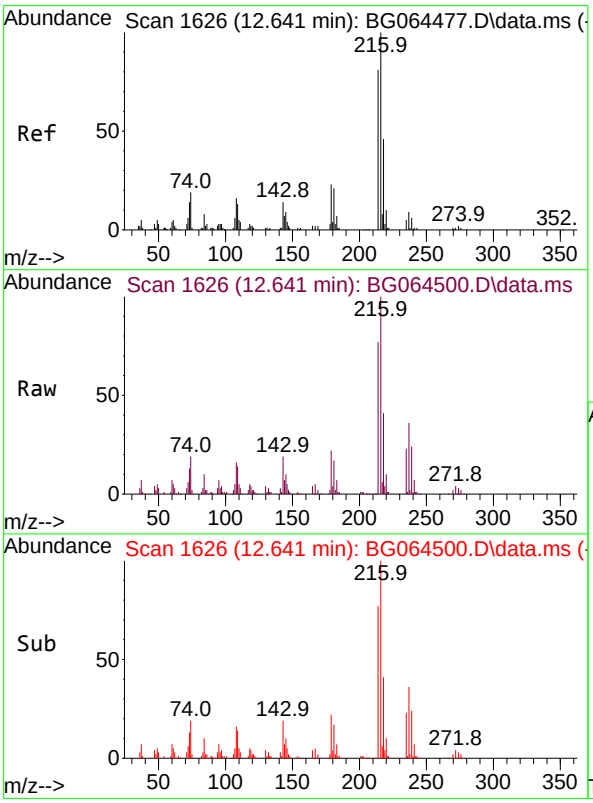
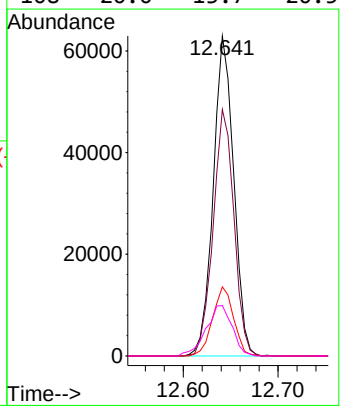
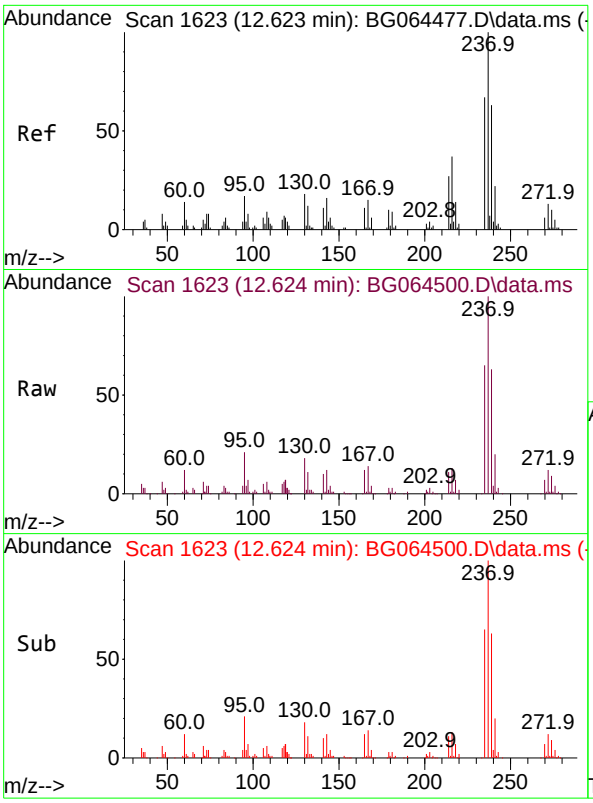


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.928 ng
RT: 12.641 min Scan# 1626
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

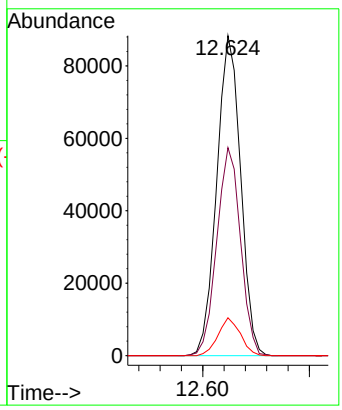




#41
Hexachlorocyclopentadiene
Concen: 147.638 ng
RT: 12.624 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:237 Resp: 13759

Ion	Ratio	Lower	Upper
237	100		
235	65.0	46.9	86.9
272	11.8	0.0	32.6



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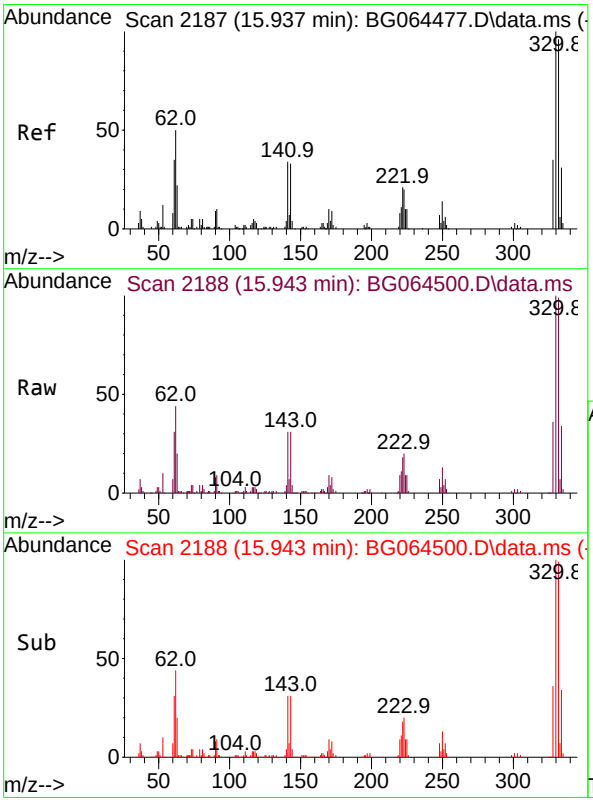
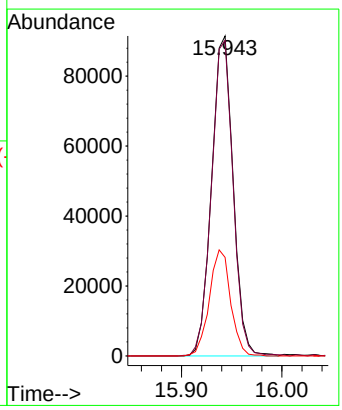
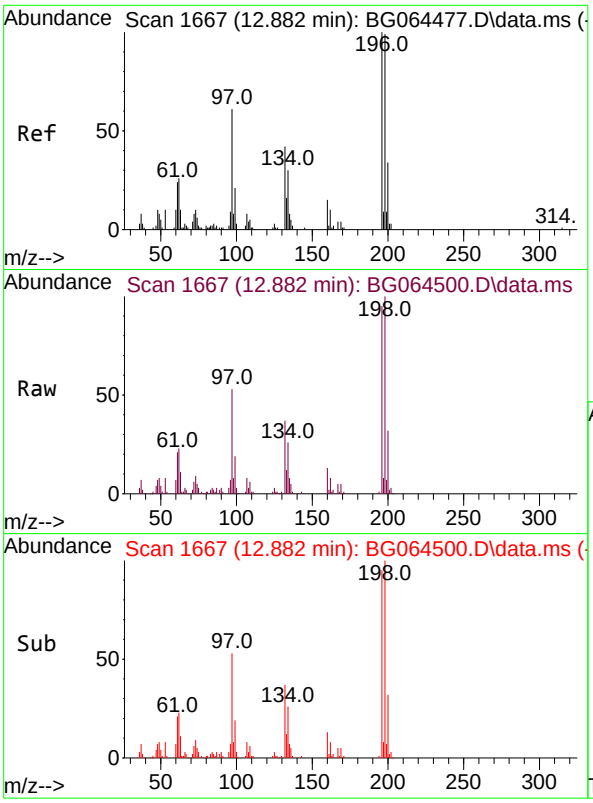


#42
2,4,6-Tribromophenol
Concen: 136.355 ng
RT: 15.943 min Scan# 2188
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:330 Resp: 136382

Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.4	116.0
141	32.7	25.8	38.6

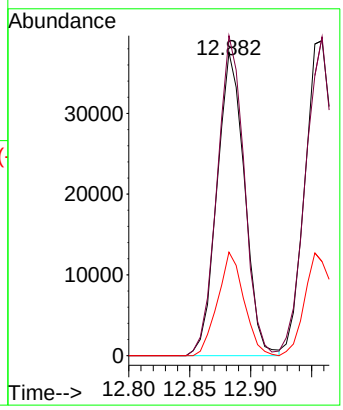




#43
2,4,6-Trichlorophenol
Concen: 51.854 ng
RT: 12.882 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:196 Resp: 5905

Ion	Ratio	Lower	Upper
196	100		
198	105.5	79.3	118.9
200	34.1	27.4	41.2



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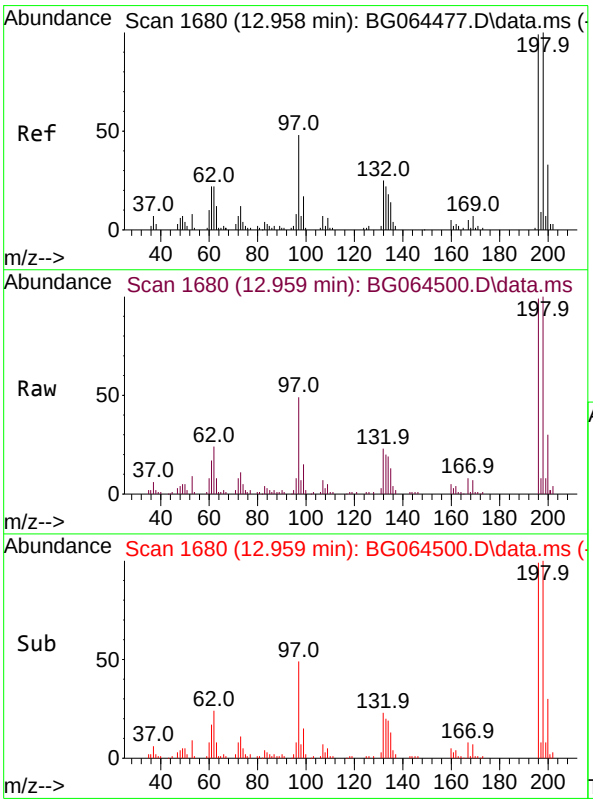
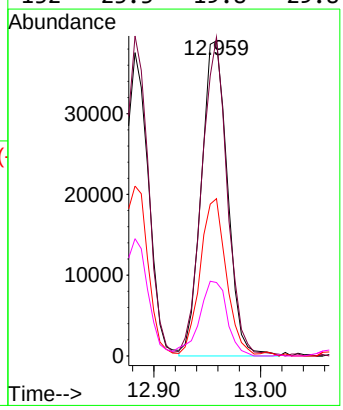
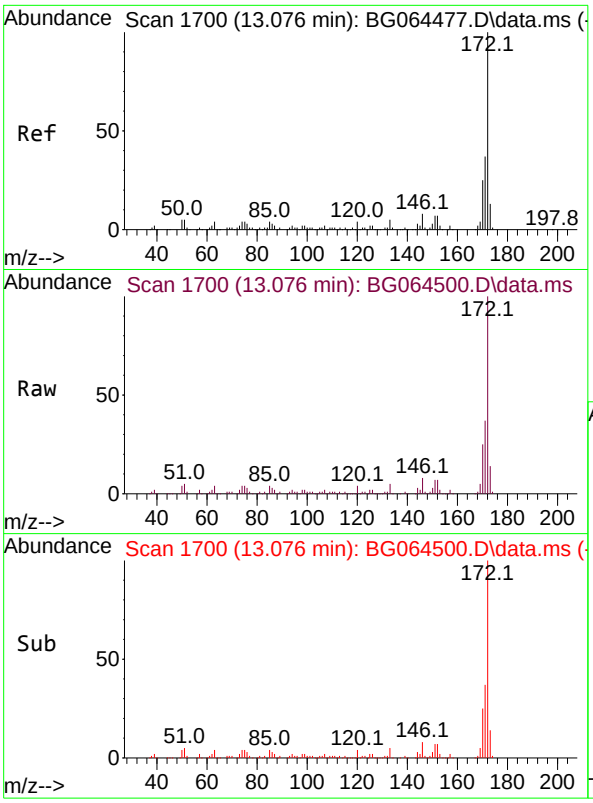


#44
2,4,5-Trichlorophenol
Concen: 52.235 ng
RT: 12.959 min Scan# 1680
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

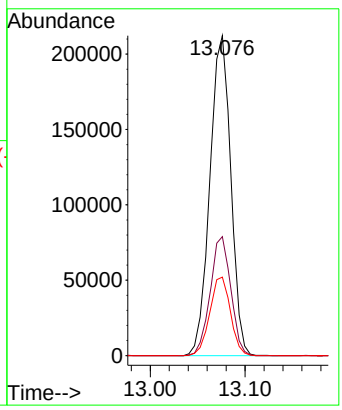




#45
2-Fluorobiphenyl
Concen: 86.974 ng
RT: 13.076 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:172 Resp: 32558

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.6	44.4
170	24.5	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
PB170080BS

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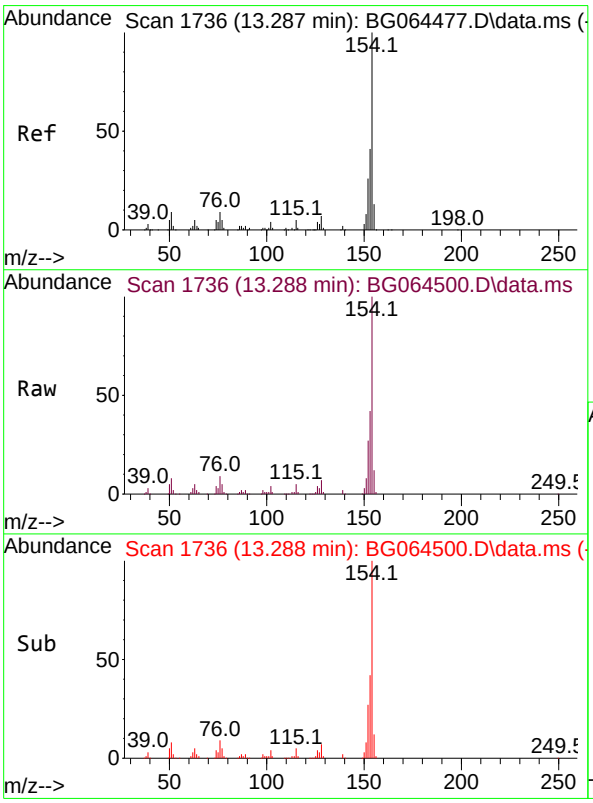
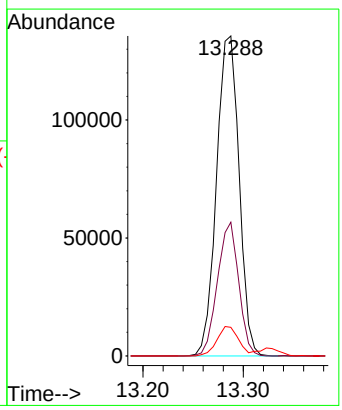
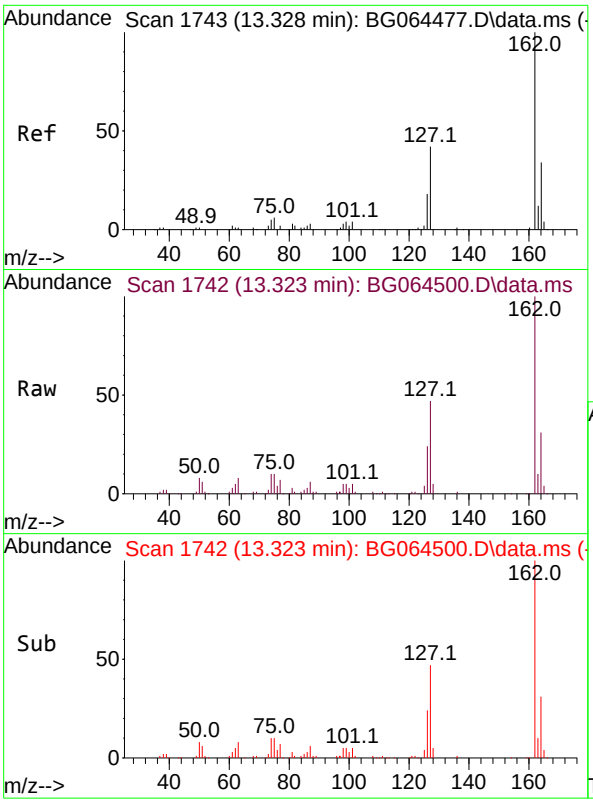


#46
1,1'-Biphenyl
Concen: 53.419 ng
RT: 13.288 min Scan# 1736
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

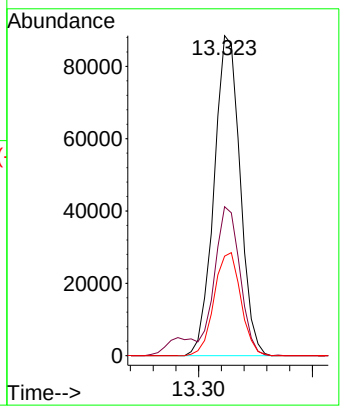




#47
2-Chloronaphthalene
Concen: 47.456 ng
RT: 13.323 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:162 Resp: 14061

Ion	Ratio	Lower	Upper
162	100		
127	46.5	35.8	53.8
164	31.1	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
PB170080BS

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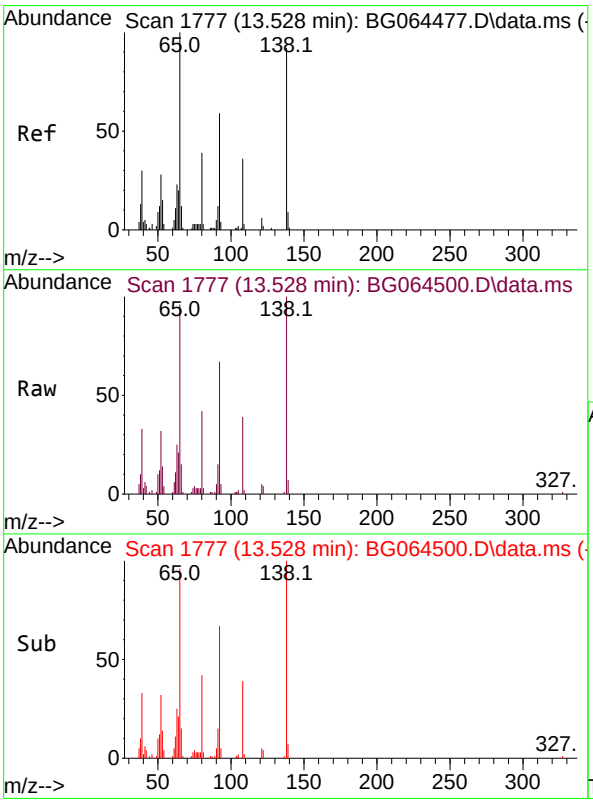
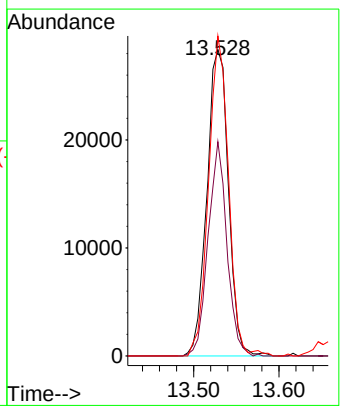
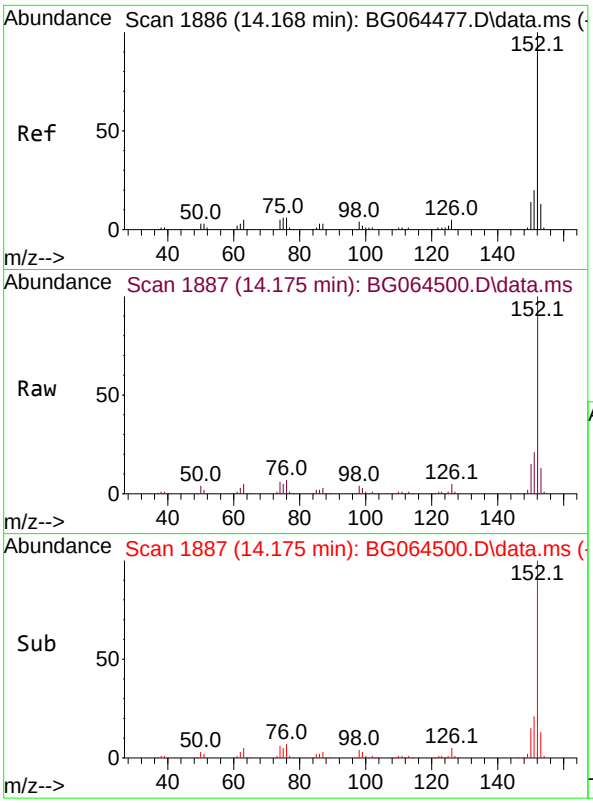


#48
2-Nitroaniline
Concen: 49.102 ng
RT: 13.528 min Scan# 1777
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

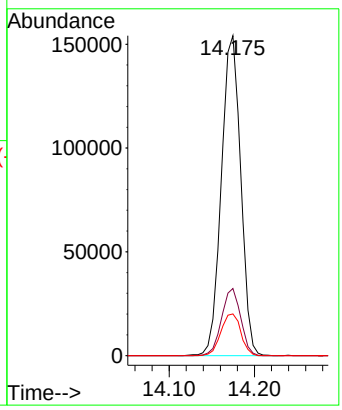




#49
Acenaphthylene
Concen: 55.177 ng
RT: 14.175 min Scan# 18
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:152 Resp: 24270

Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.8	23.6
153	13.0	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
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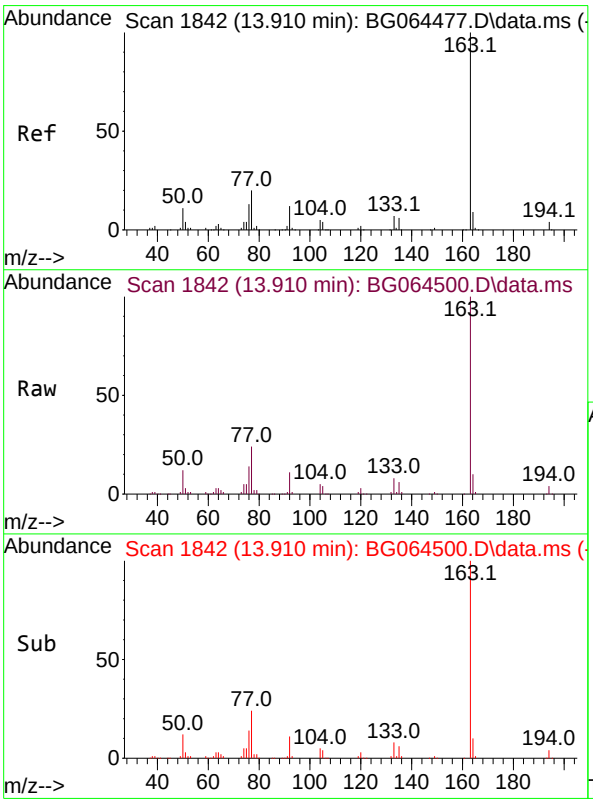
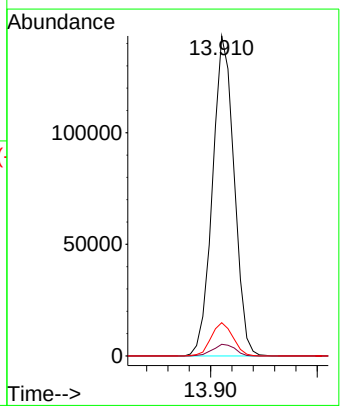
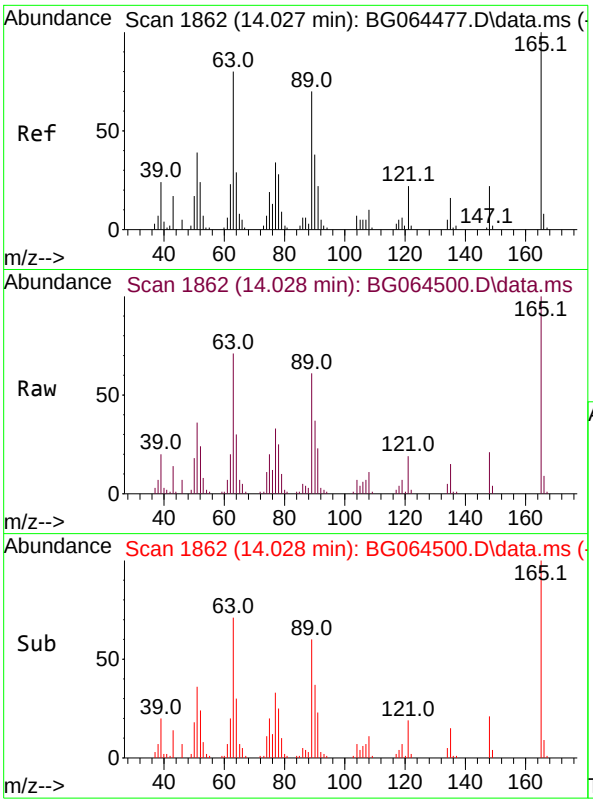


#50
Dimethylphthalate
Concen: 46.845 ng
RT: 13.910 min Scan# 1842
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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# 18
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:165 Resp: 4464

Ion	Ratio	Lower	Upper
165	100		
63	70.6	63.9	95.9
89	60.7	56.1	84.1

Instrument :
BNA_G
ClientSampleId :
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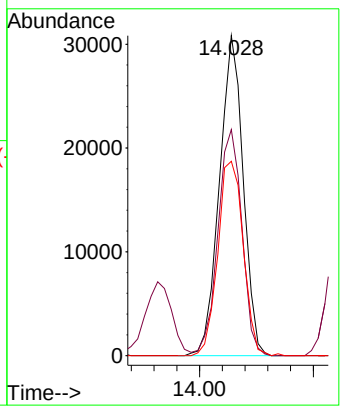
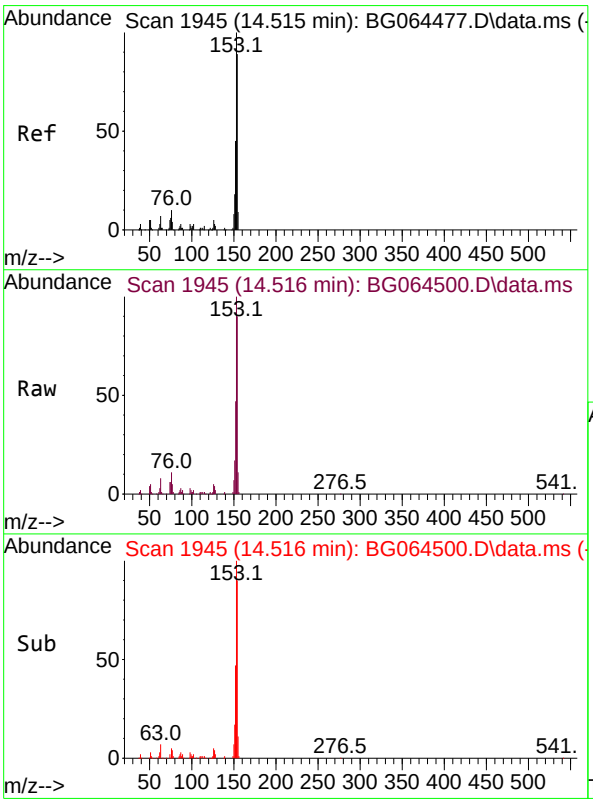
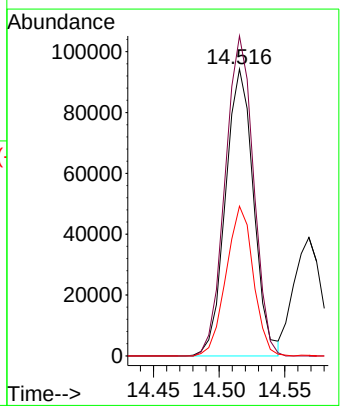


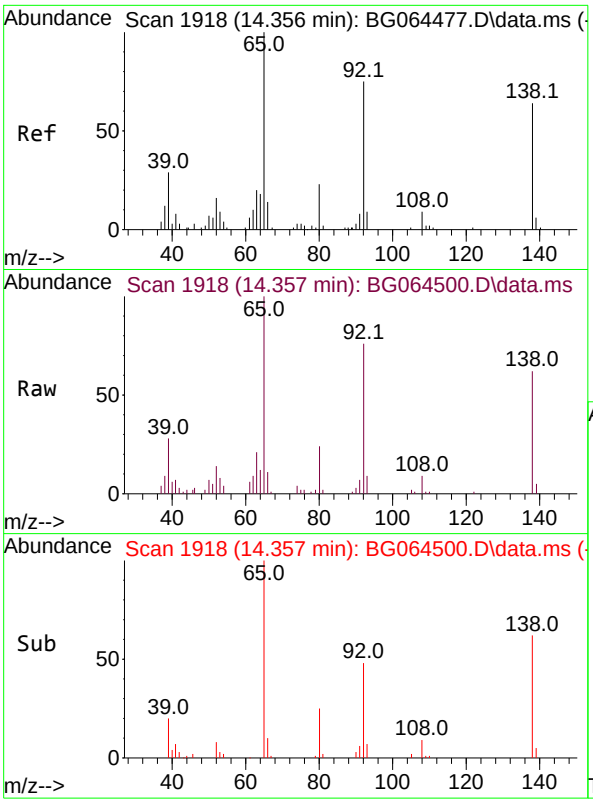


#52
Acenaphthene
Concen: 46.088 ng
RT: 14.516 min Scan# 1945
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

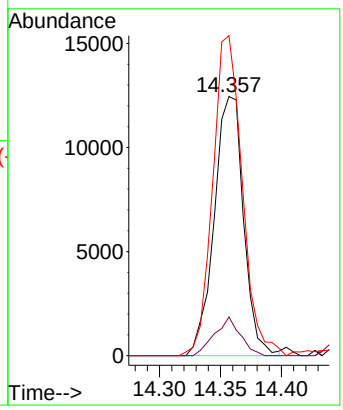




#53
3-Nitroaniline
Concen: 25.158 ng
RT: 14.357 min Scan# 19
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:138 Resp: 2088

Ion	Ratio	Lower	Upper
138	100		
108	14.9	10.6	15.8
92	123.5	93.2	139.8



Instrument :
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ClientSampleId :
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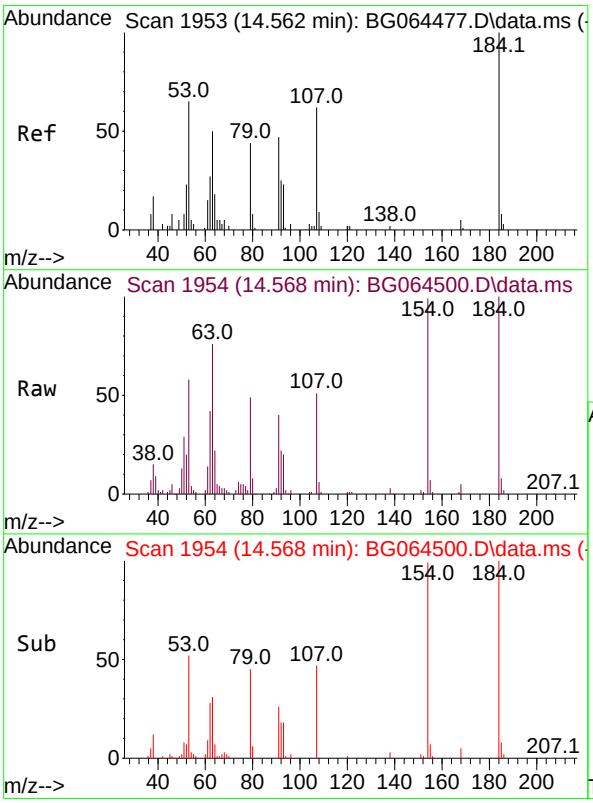
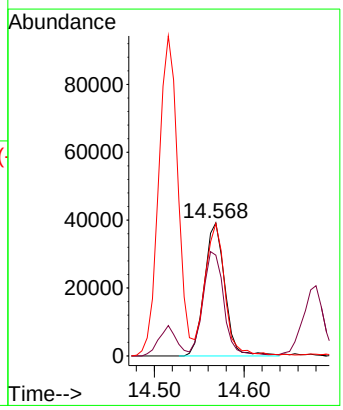
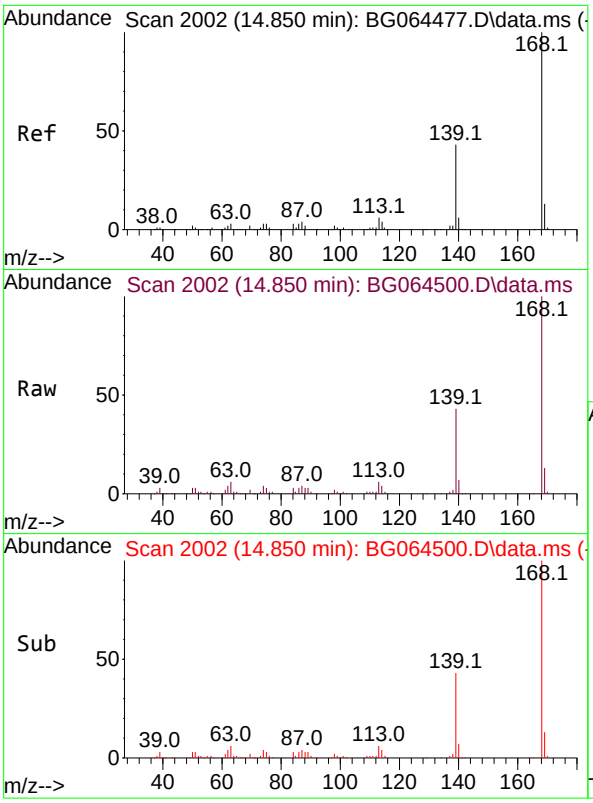


#54
2,4-Dinitrophenol
Concen: 94.903 ng
RT: 14.568 min Scan# 1954
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

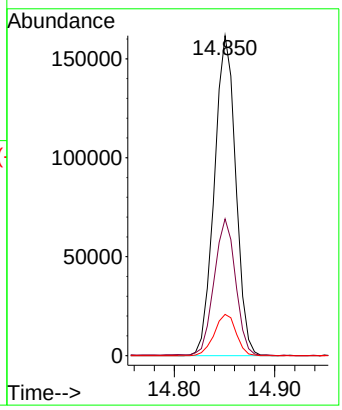




#55
Dibenzofuran
Concen: 47.503 ng
RT: 14.850 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:168 Resp: 23969

Ion	Ratio	Lower	Upper
168	100		
139	42.7	34.0	51.0
169	12.9	10.2	15.2



Instrument :
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ClientSampleId :
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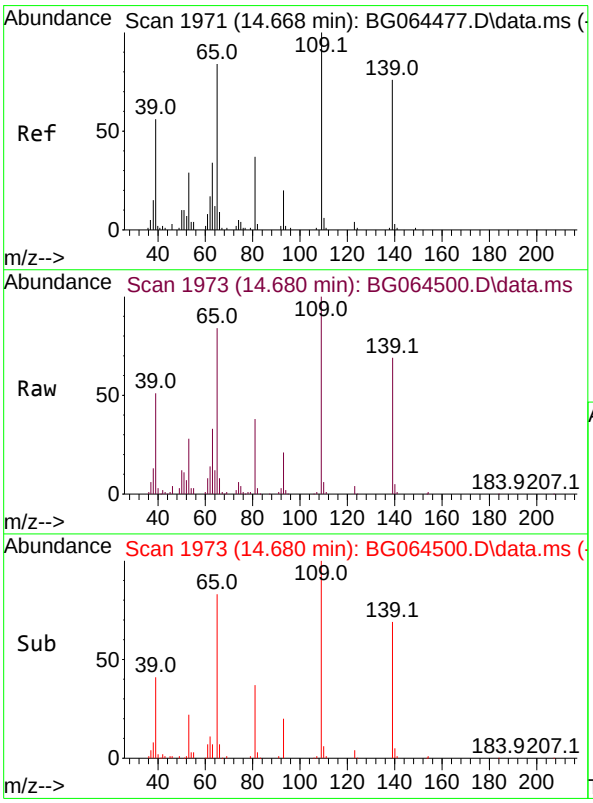
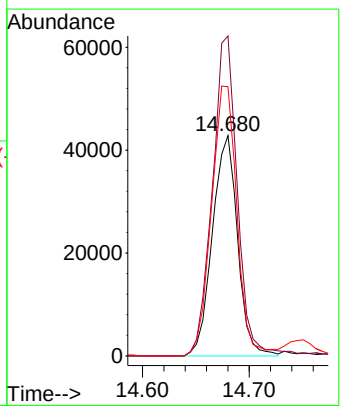
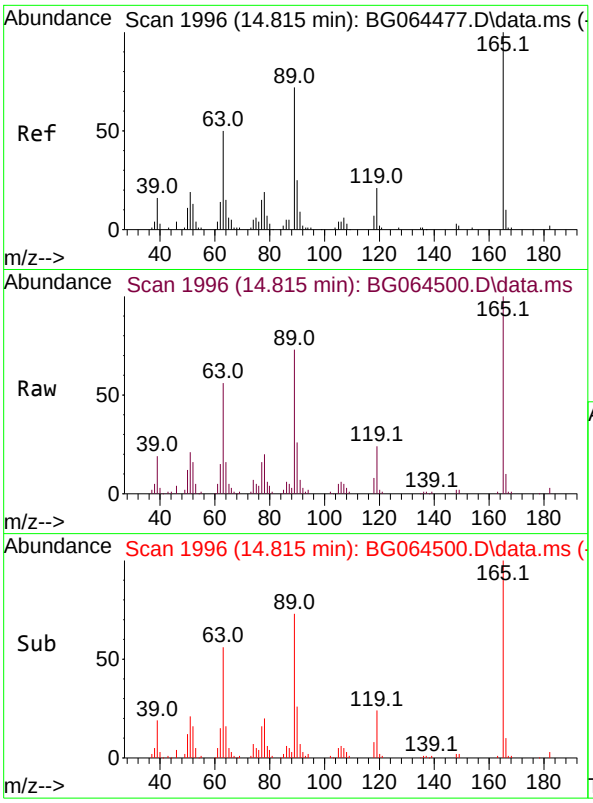


#56
4-Nitrophenol
Concen: 107.450 ng
RT: 14.680 min Scan# 1973
Delta R.T. 0.015 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

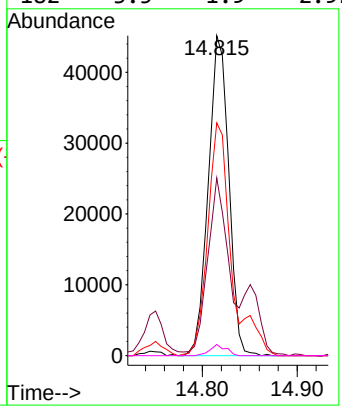




#57
2,4-Dinitrotoluene
Concen: 49.218 ng
RT: 14.815 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:165 Resp: 6773

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#



Instrument :
BNA_G
ClientSampleId :
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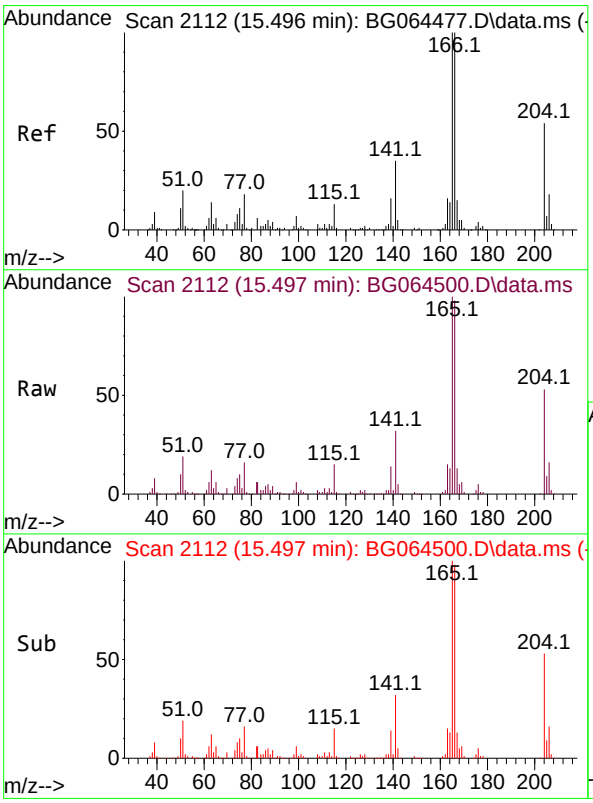
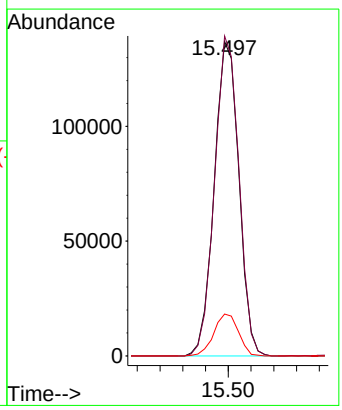
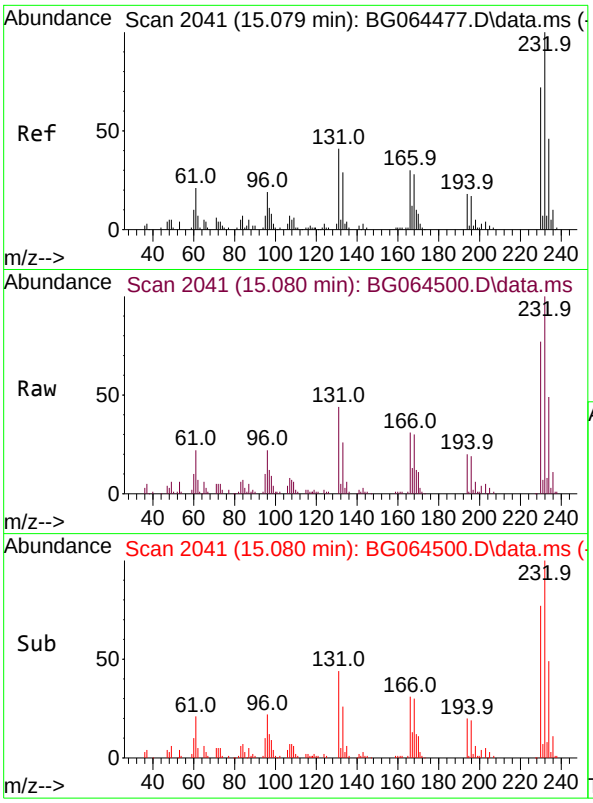


#58
Fluorene
Concen: 49.018 ng
RT: 15.497 min Scan# 2112
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

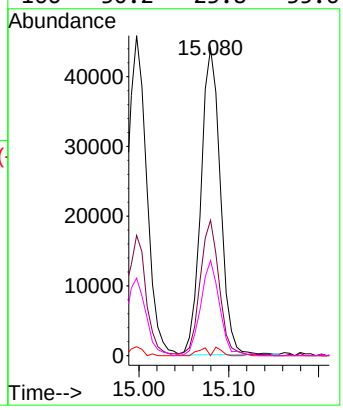




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.936 ng
RT: 15.080 min Scan# 20
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:232 Resp: 6609

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



Instrument :
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ClientSampleId :
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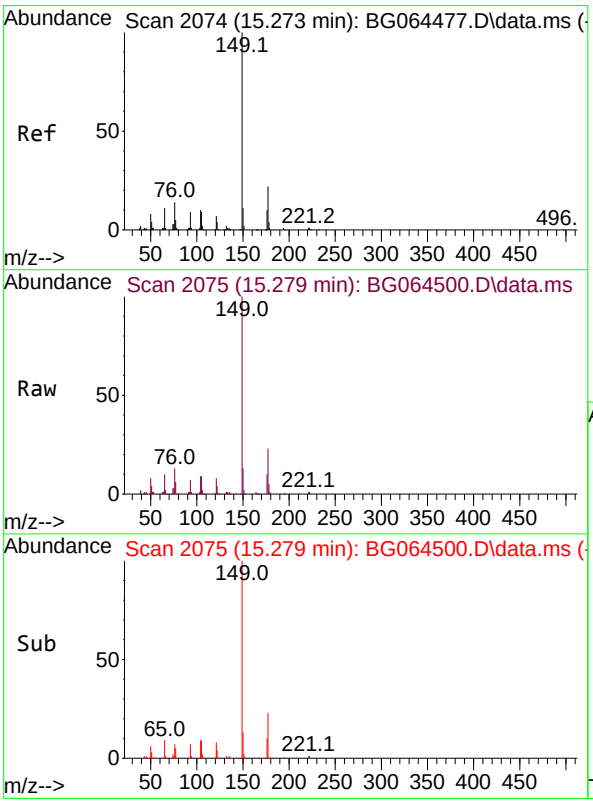
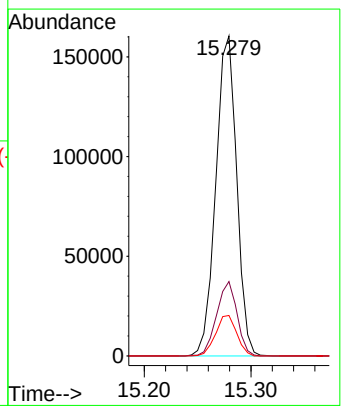
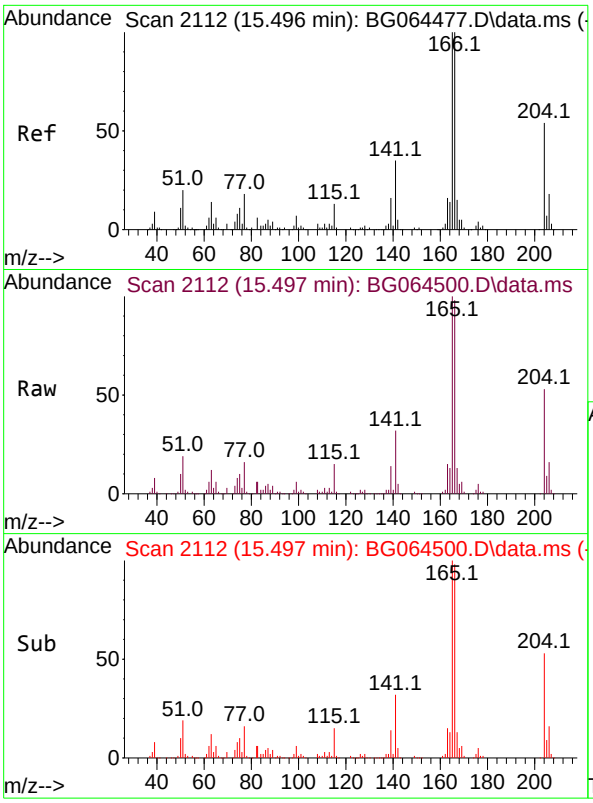


#60
Diethylphthalate
Concen: 47.148 ng
RT: 15.279 min Scan# 2075
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

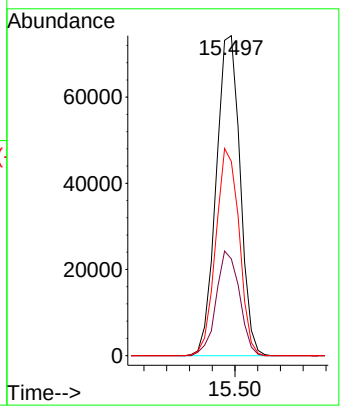




#61
4-Chlorophenyl-phenylether
Concen: 47.375 ng
RT: 15.497 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:204 Resp: 10849

Ion	Ratio	Lower	Upper
204	100		
206	30.2	27.1	40.7
141	60.7	51.5	77.3



Instrument :
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ClientSampleId :
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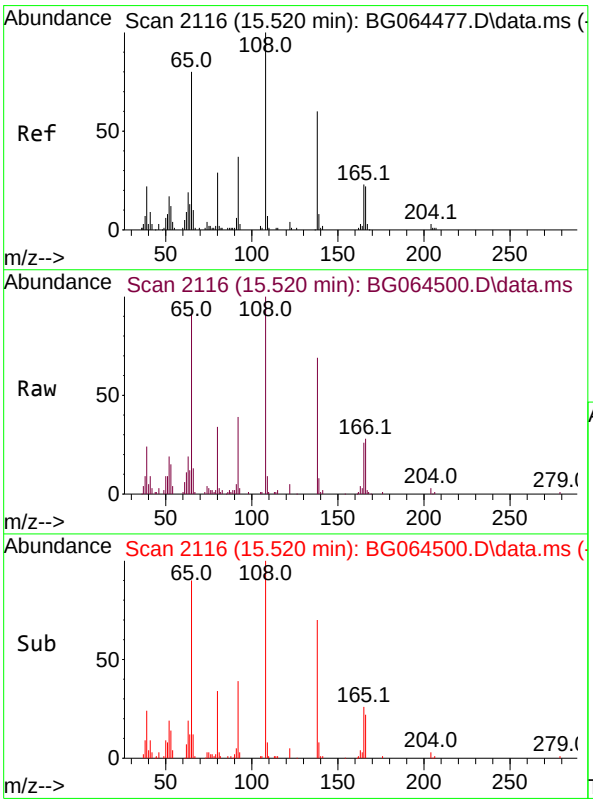
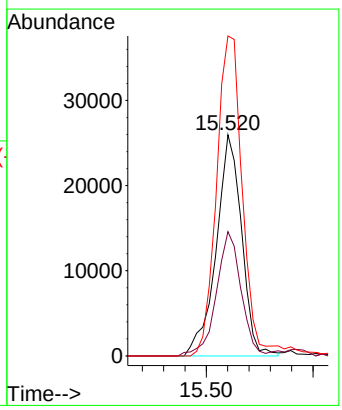
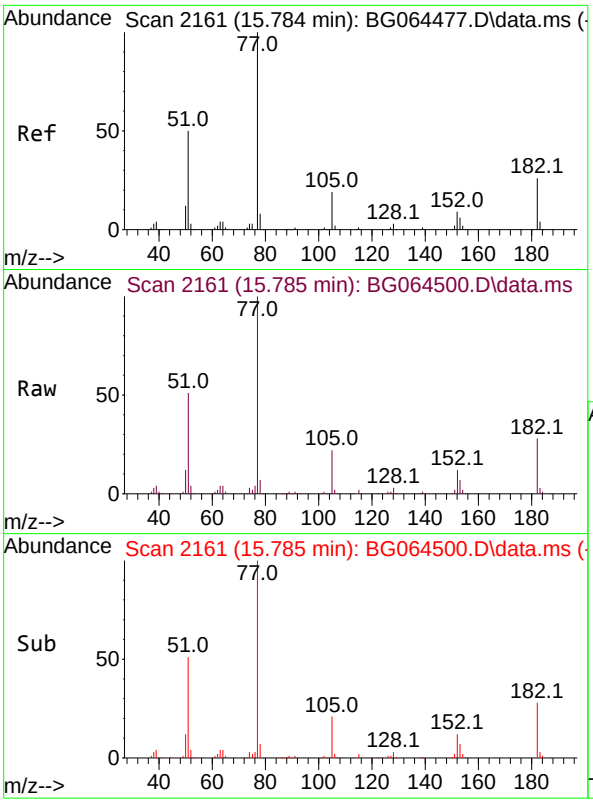


#62
4-Nitroaniline
Concen: 49.730 ng
RT: 15.520 min Scan# 2116
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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#

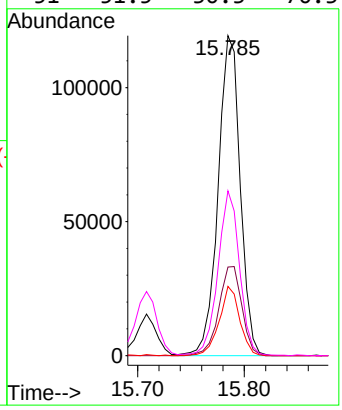




#63
Azobenzene
Concen: 47.954 ng
RT: 15.785 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion: 77 Resp: 17217

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



Instrument :
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ClientSampleId :
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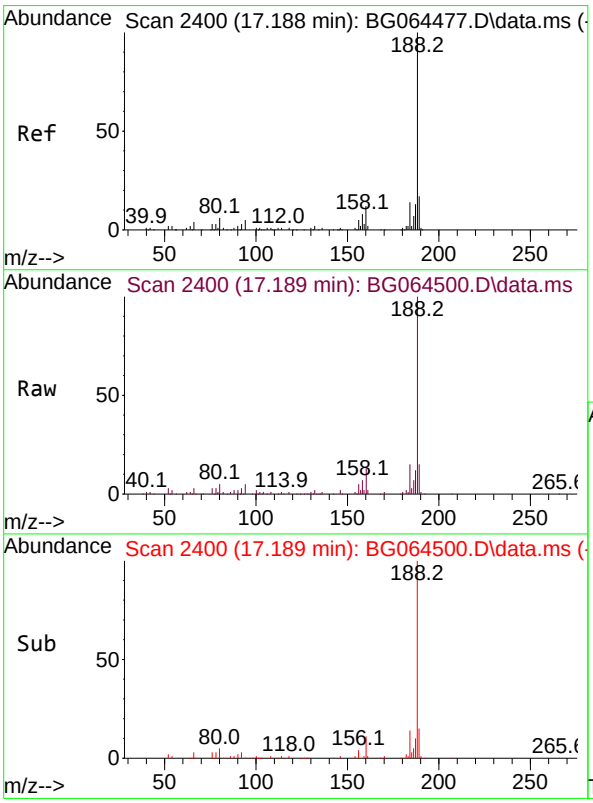
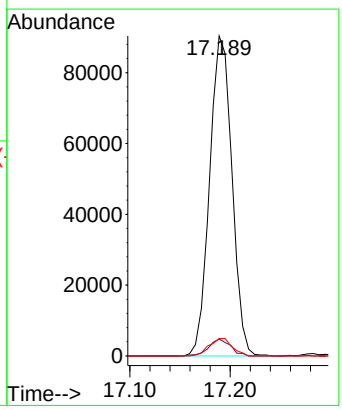
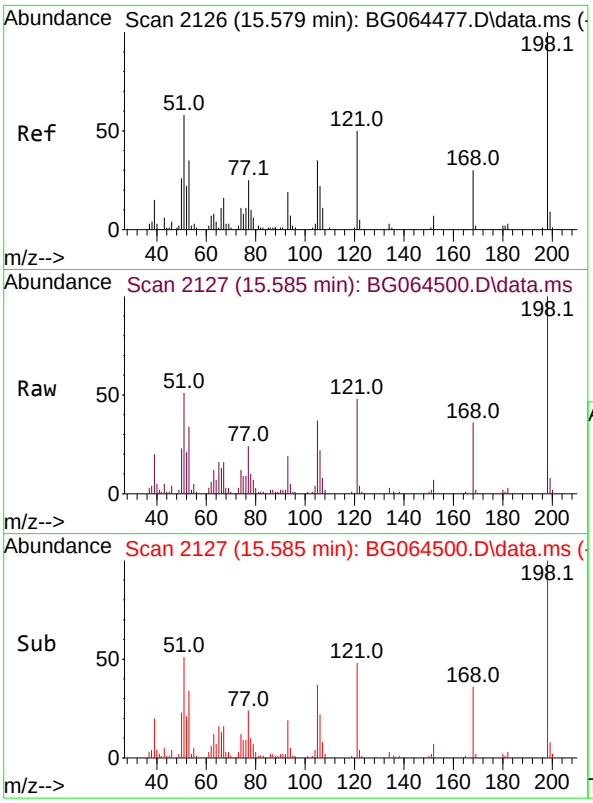


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

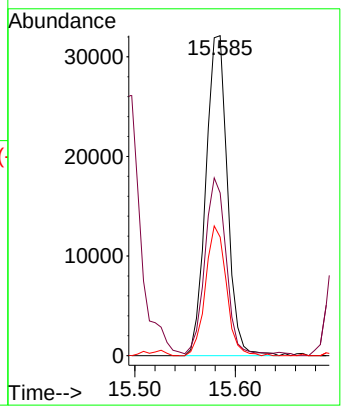




#65
4,6-Dinitro-2-methylphenol
Concen: 49.058 ng
RT: 15.585 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:198 Resp: 4780

Ion	Ratio	Lower	Upper
198	100		
51	50.8	39.0	79.0
105	37.0	15.8	55.8



Instrument :
BNA_G
ClientSampleId :
PB170080BS

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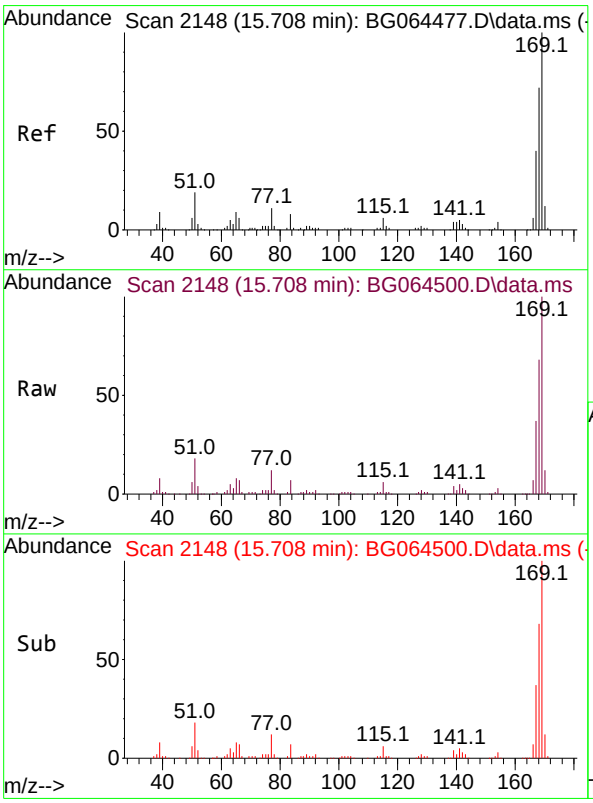
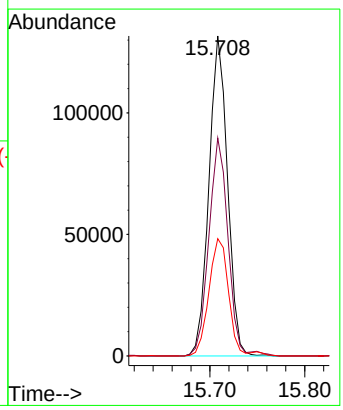
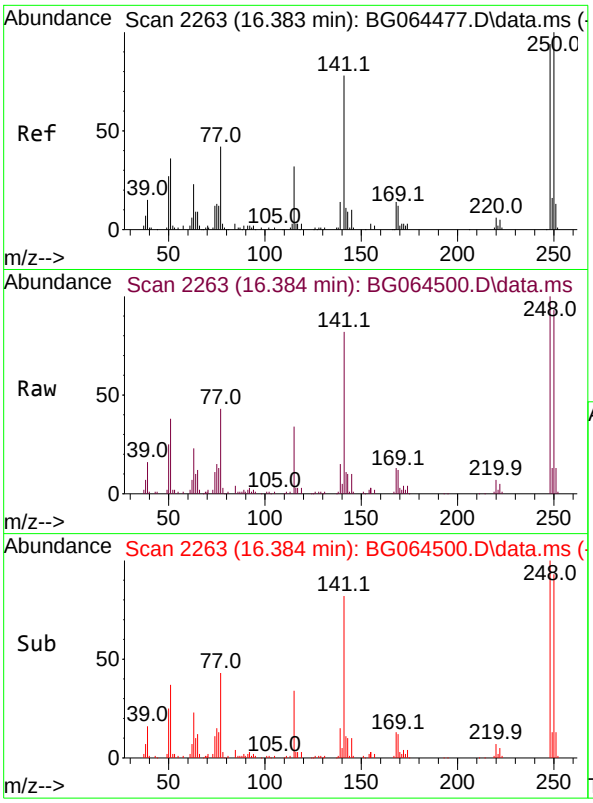


#66
n-Nitrosodiphenylamine
Concen: 47.934 ng
RT: 15.708 min Scan# 2148
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

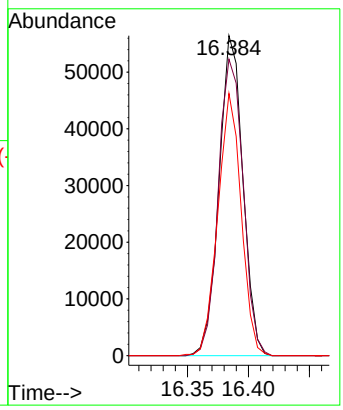




#67
4-Bromophenyl-phenylether
Concen: 46.545 ng
RT: 16.384 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:248 Resp: 7665

Ion	Ratio	Lower	Upper
248	100		
250	92.6	85.3	127.9
141	81.9	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
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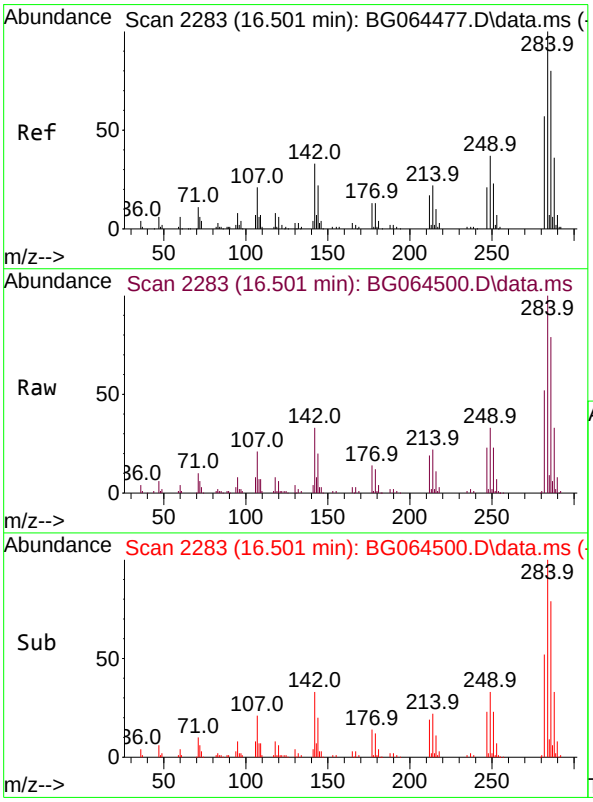
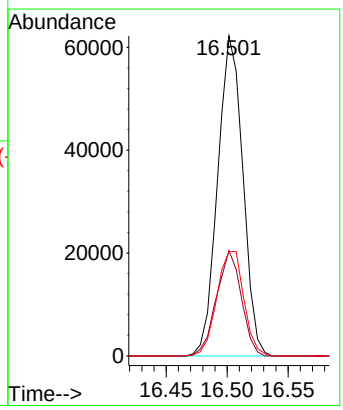
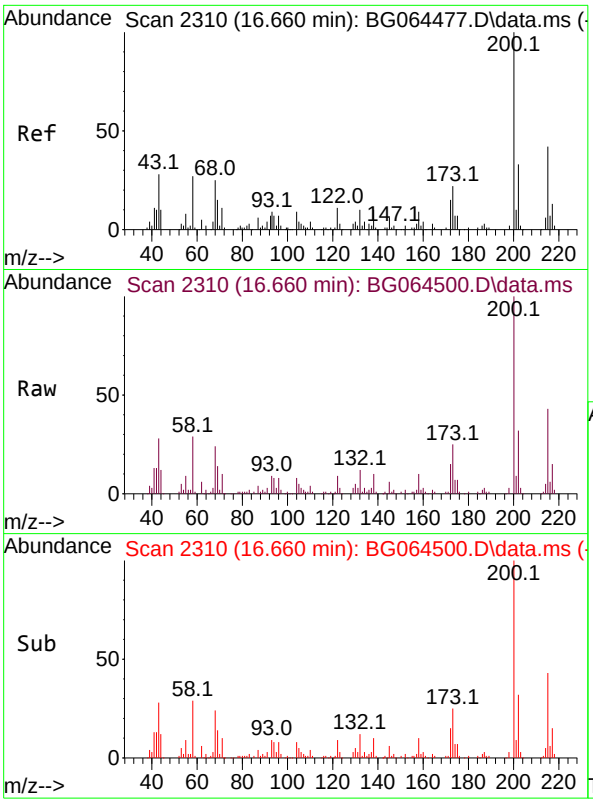


#68
Hexachlorobenzene
Concen: 47.420 ng
RT: 16.501 min Scan# 2283
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:284 Resp: 89365

Ion	Ratio	Lower	Upper
284	100		
142	33.0	26.2	39.2
249	32.6	29.4	44.0

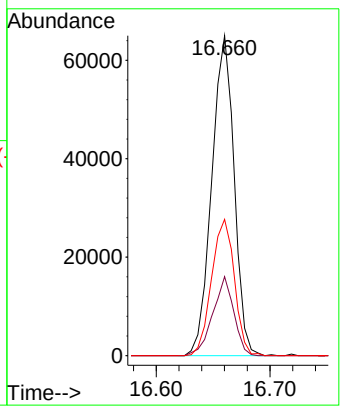




#69
Atrazine
Concen: 53.447 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:200 Resp: 8886

Ion	Ratio	Lower	Upper
200	100		
173	24.7	2.5	42.5
215	42.6	21.5	61.5



Instrument :
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ClientSampleId :
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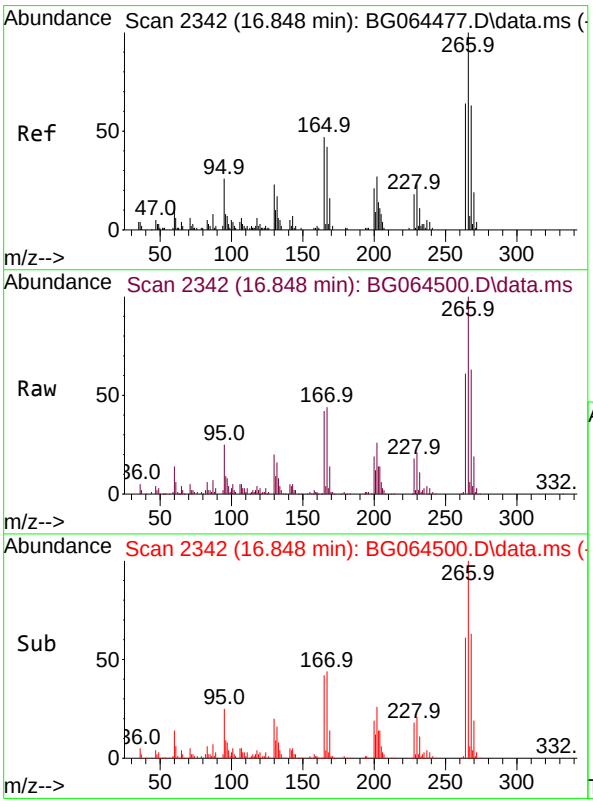
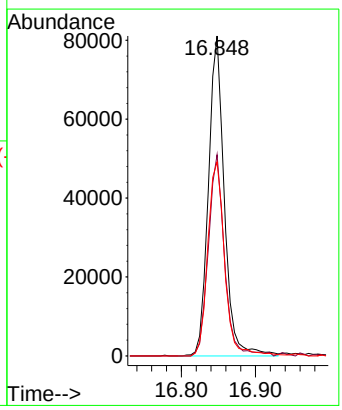
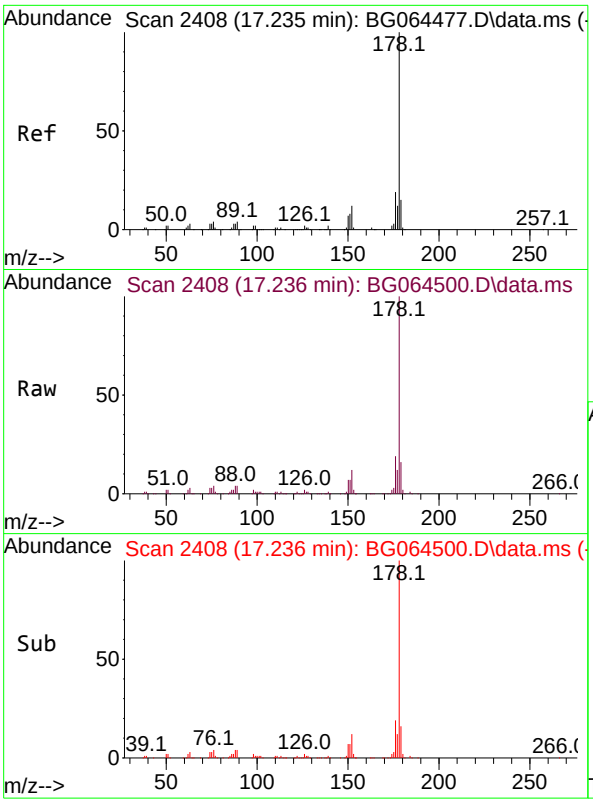


#70
Pentachlorophenol
Concen: 109.663 ng
RT: 16.848 min Scan# 2342
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

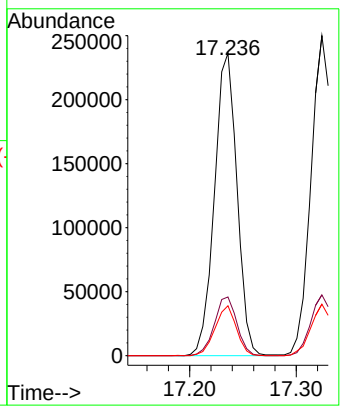




#71
Phenanthrene
Concen: 47.445 ng
RT: 17.236 min Scan# 24
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:178 Resp: 34724

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	16.5	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
PB170080BS

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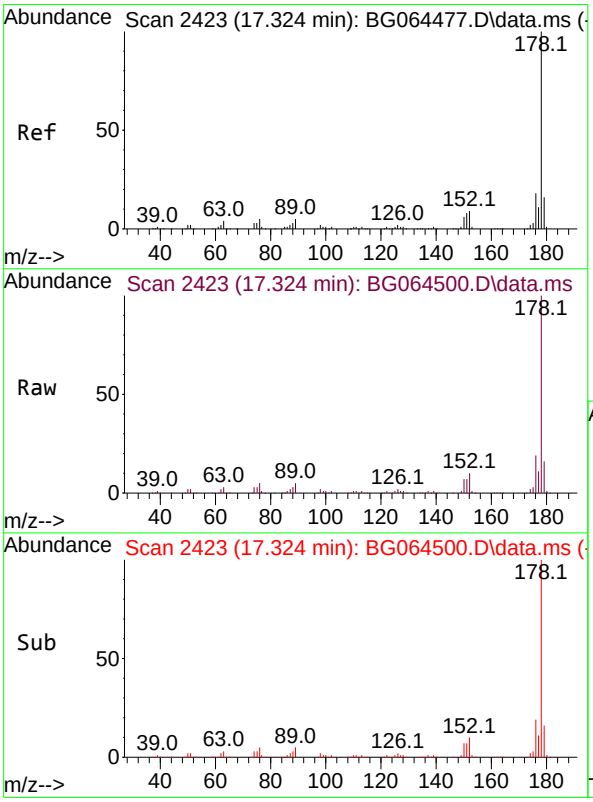
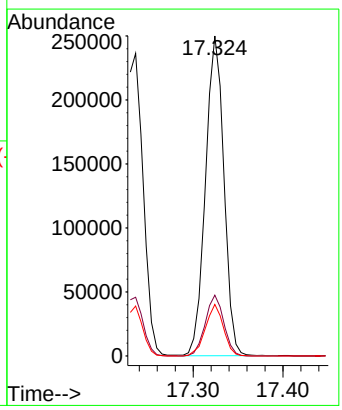
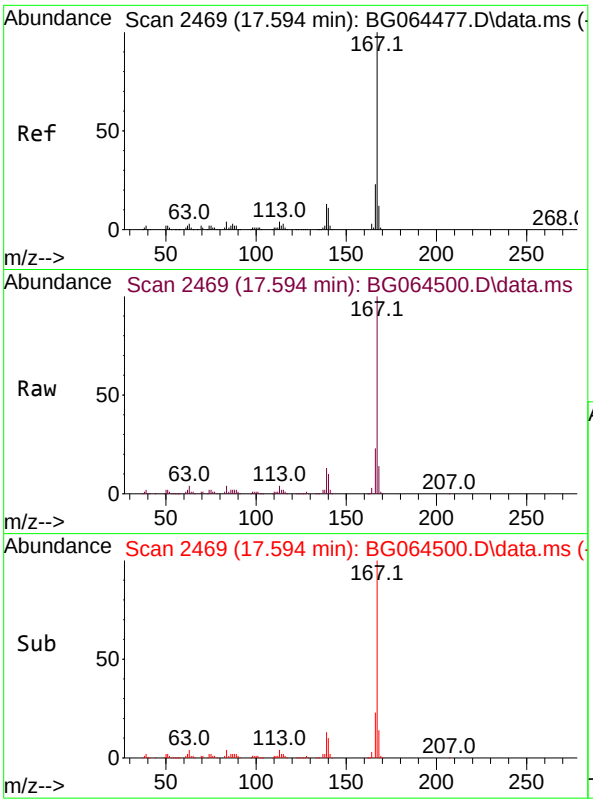


#72
Anthracene
Concen: 48.639 ng
RT: 17.324 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

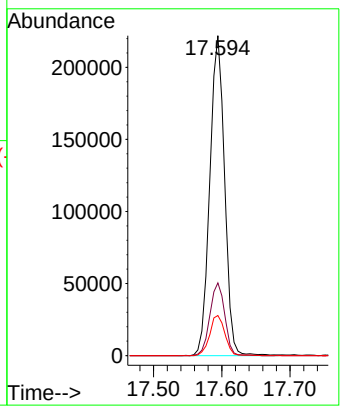




#73
Carbazole
Concen: 52.431 ng
RT: 17.594 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:167 Resp: 33275

Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.6	27.8
139	12.5	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
PB170080BS

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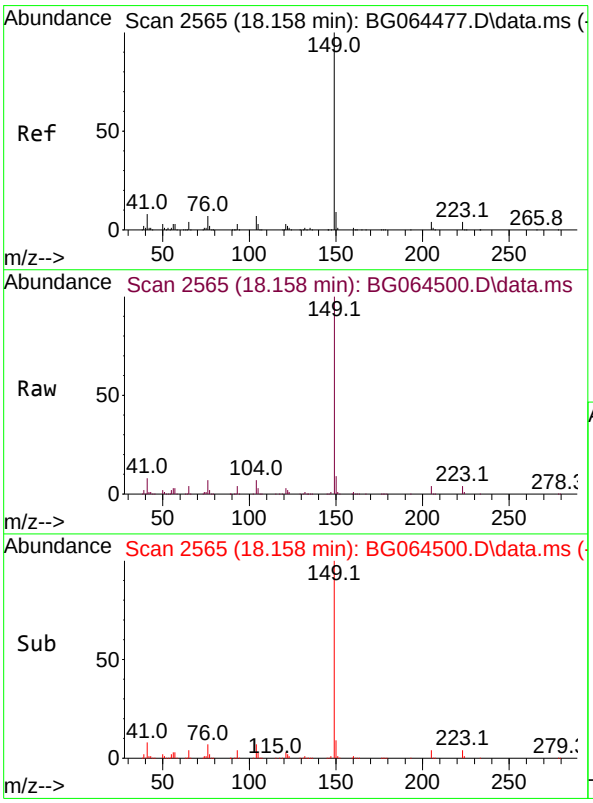
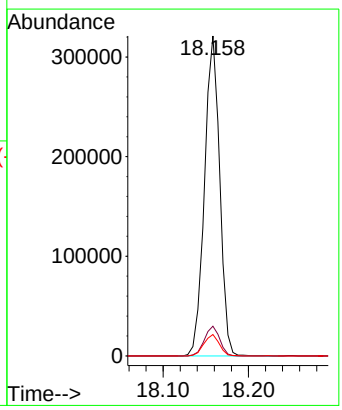
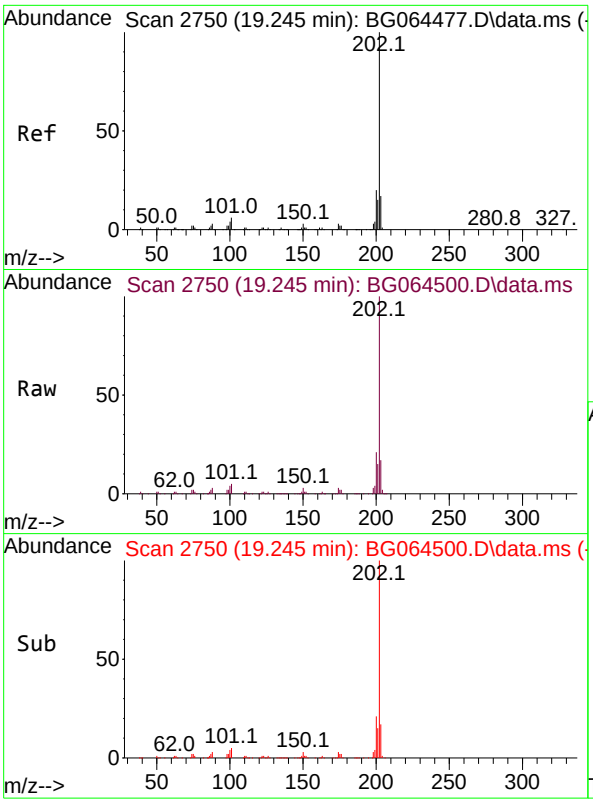


#74
Di-n-butylphthalate
Concen: 51.261 ng
RT: 18.158 min Scan# 2565
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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# 2
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:202 Resp: 45222

Ion	Ratio	Lower	Upper
202	100		
101	5.1	0.0	25.7
203	16.8	0.0	36.6

Instrument :
BNA_G
ClientSampleId :
PB170080BS

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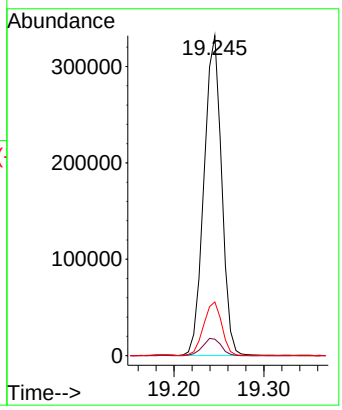
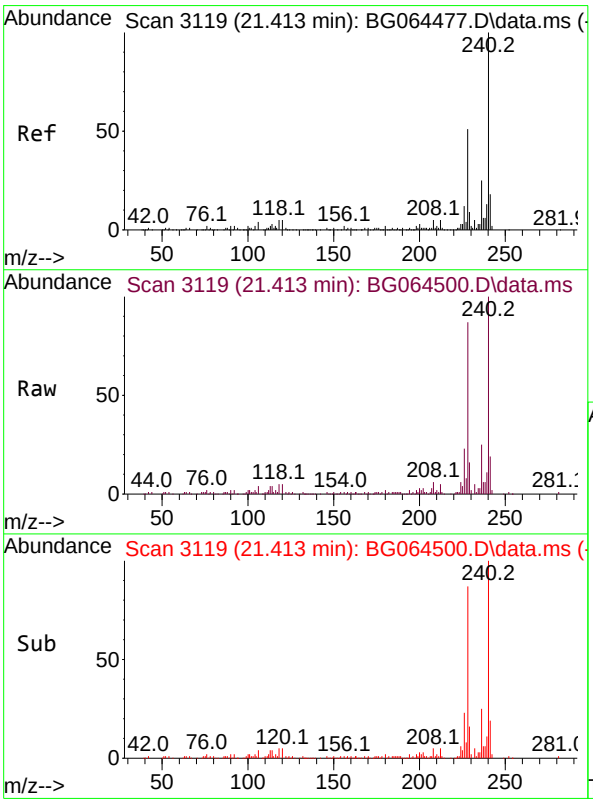
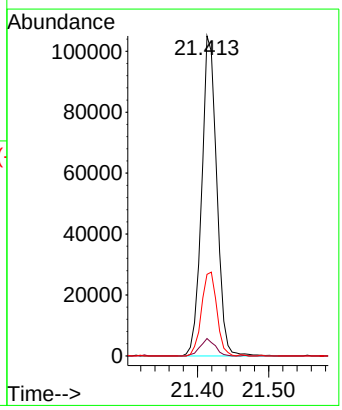


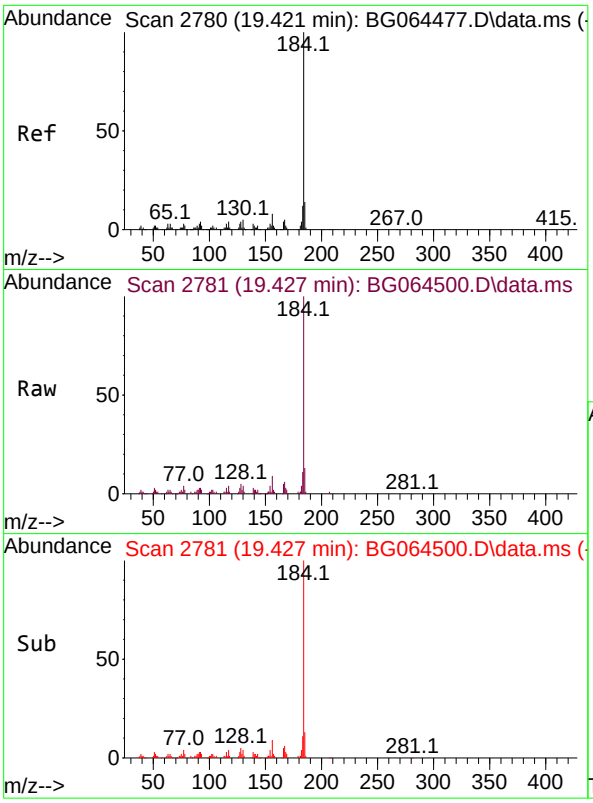


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

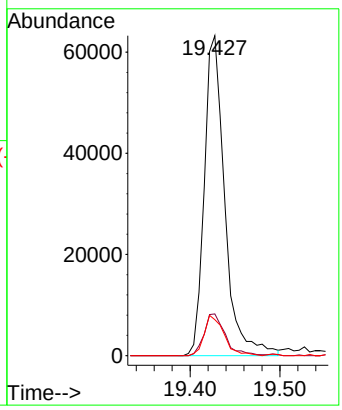




#77
Benzidine
Concen: 26.260 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:184 Resp: 10039

Ion	Ratio	Lower	Upper
184	100		
185	13.0	10.9	16.3
183	11.2	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
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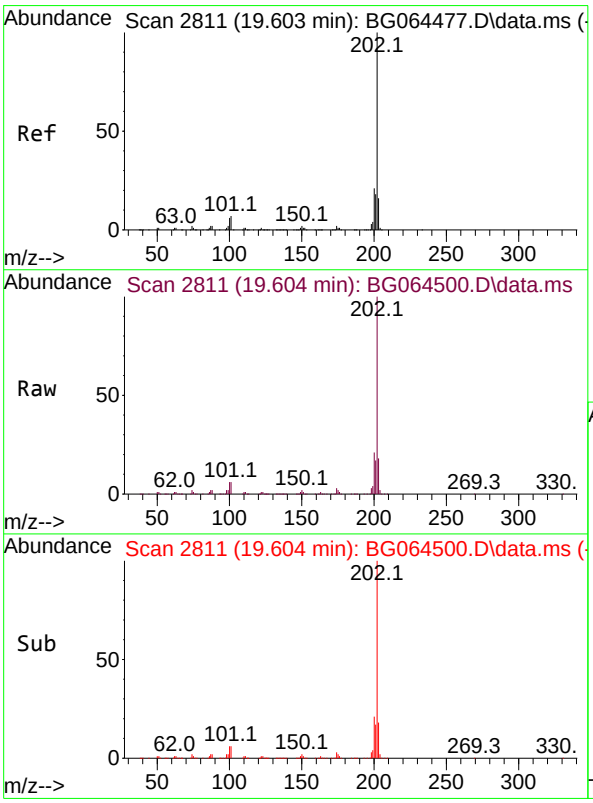
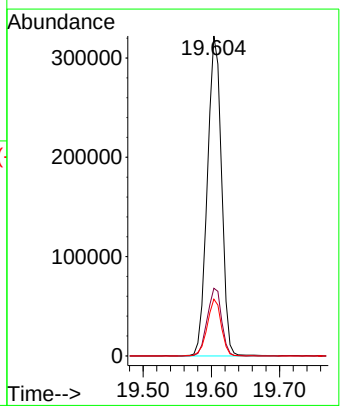
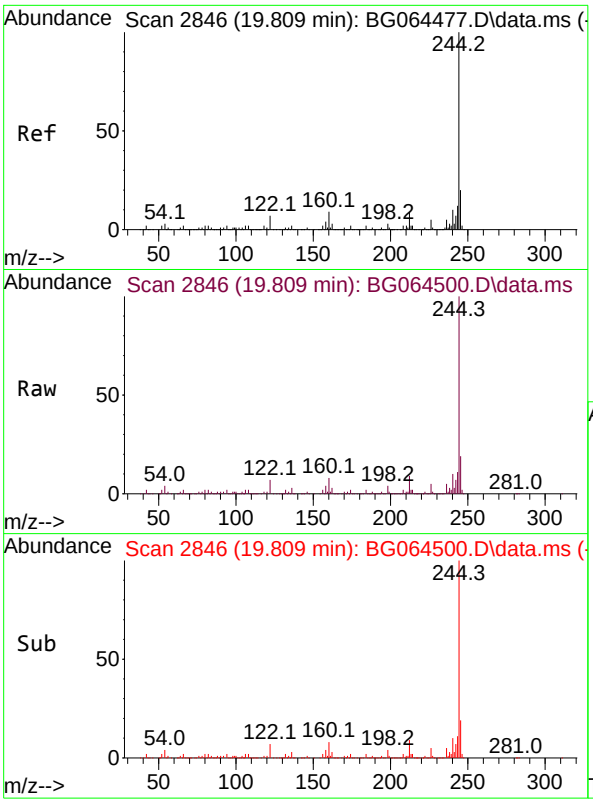


#78
Pyrene
Concen: 46.522 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

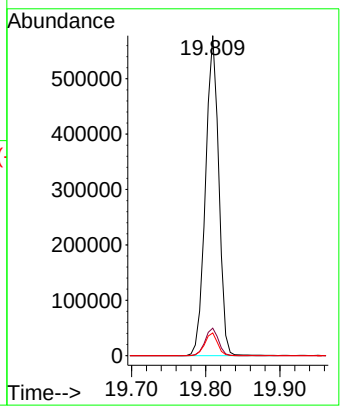




#79
Terphenyl-d14
Concen: 88.131 ng
RT: 19.809 min Scan# 28
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:244 Resp: 71550

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.6
122	7.1	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
PB170080BS

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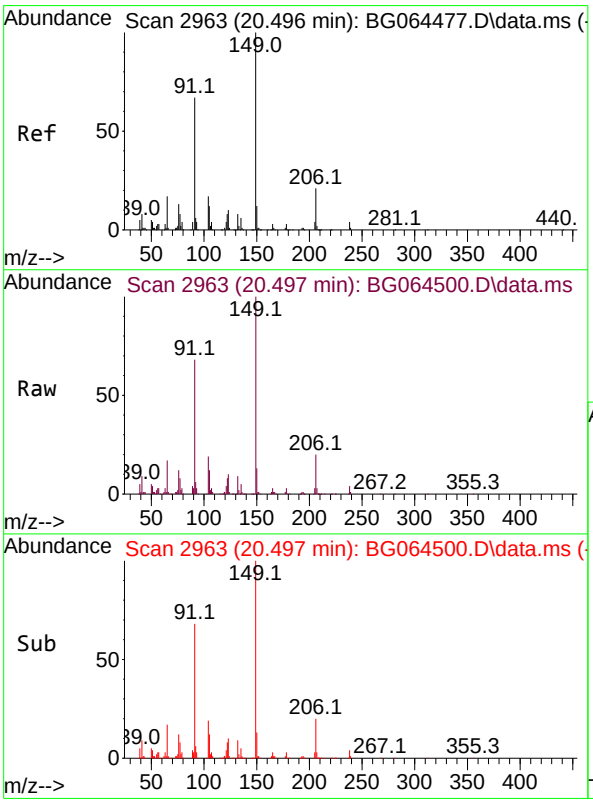
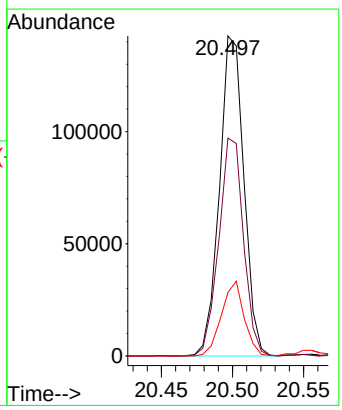
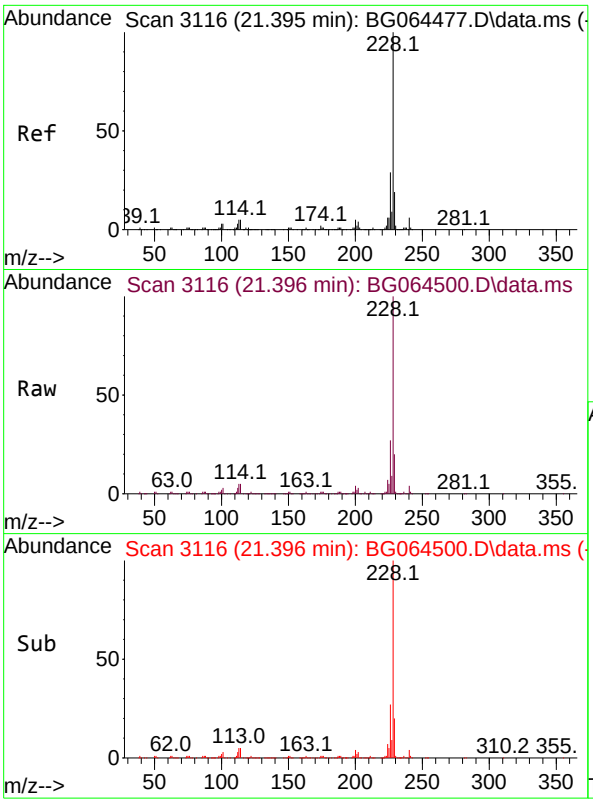


#80
Butylbenzylphthalate
Concen: 48.182 ng
RT: 20.497 min Scan# 2963
Delta R.T. -0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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# 3
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:228 Resp: 48377

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.8	34.2
229	19.8	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
PB170080BS

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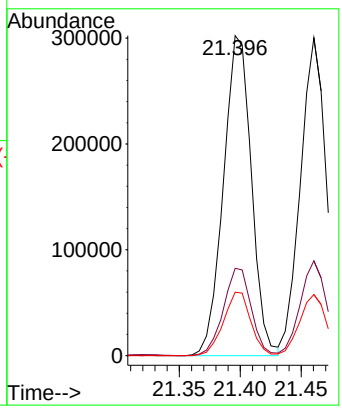
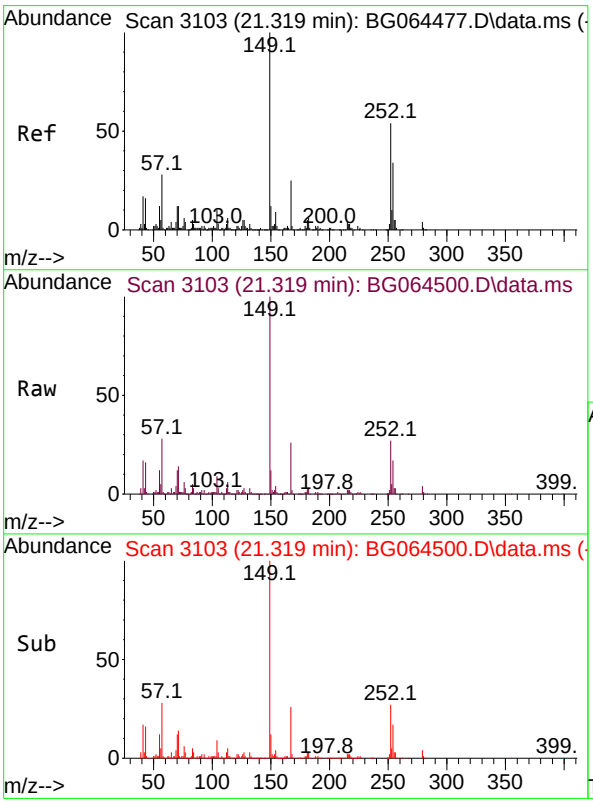
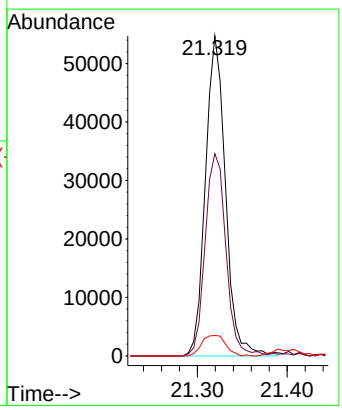


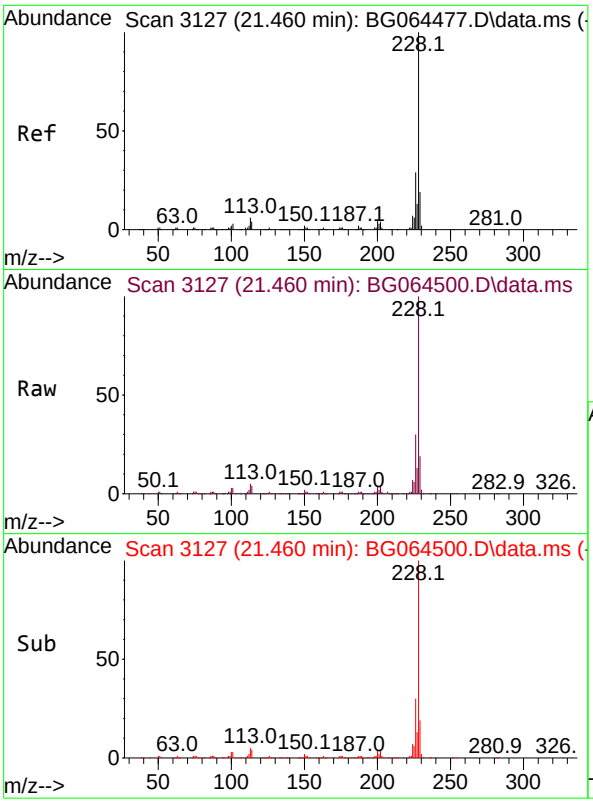


#82
3,3'-Dichlorobenzidine
Concen: 25.569 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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#

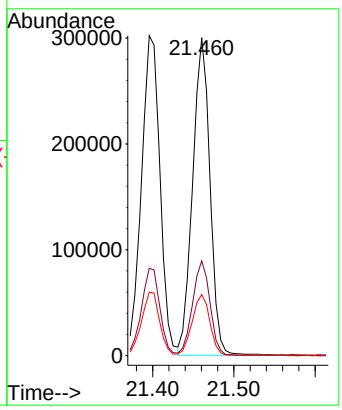




#83
Chrysene
Concen: 47.734 ng
RT: 21.460 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:228 Resp: 44410

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.8	34.2
229	19.2	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
PB170080BS

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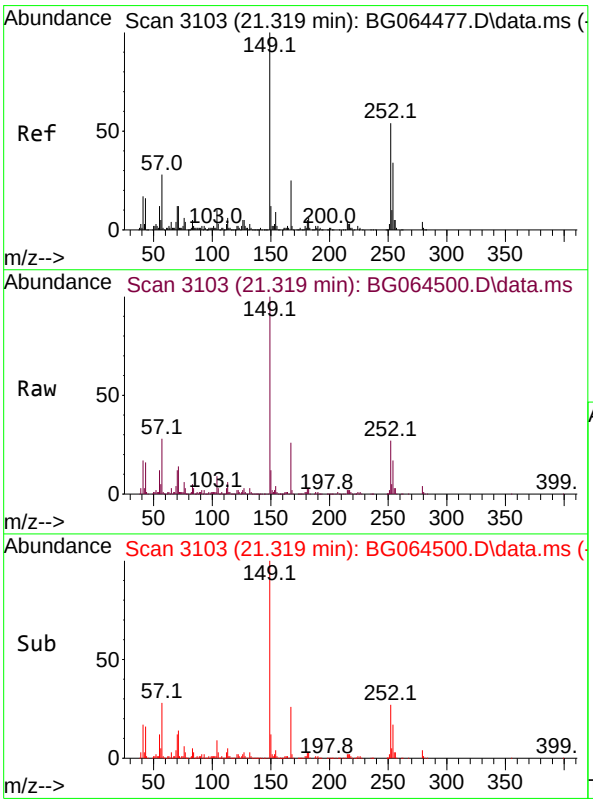
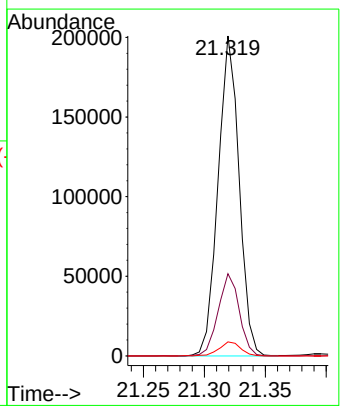
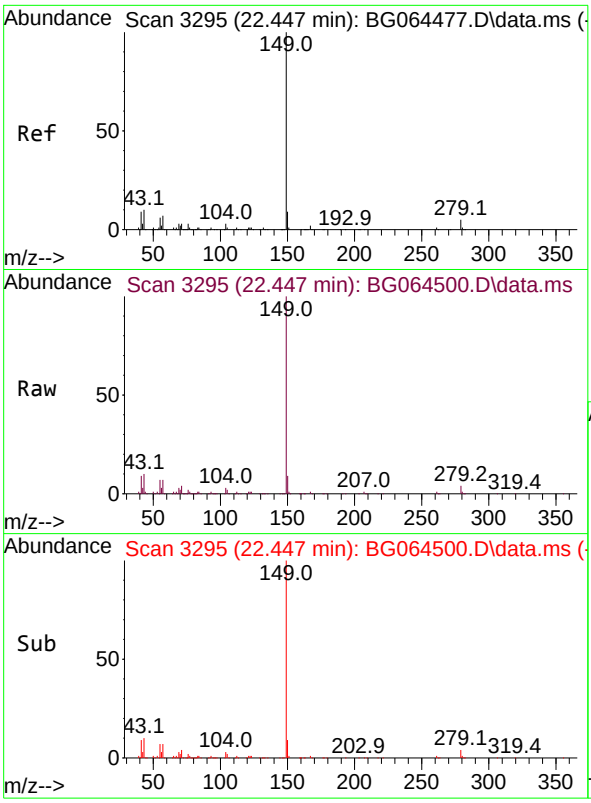


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.231 ng
RT: 21.319 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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# 3
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:149 Resp: 41112

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	9.8	7.9	11.9

Instrument :
BNA_G
ClientSampleId :
PB170080BS

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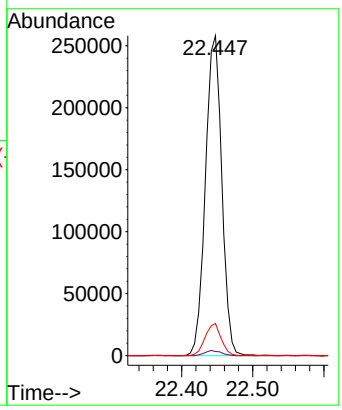
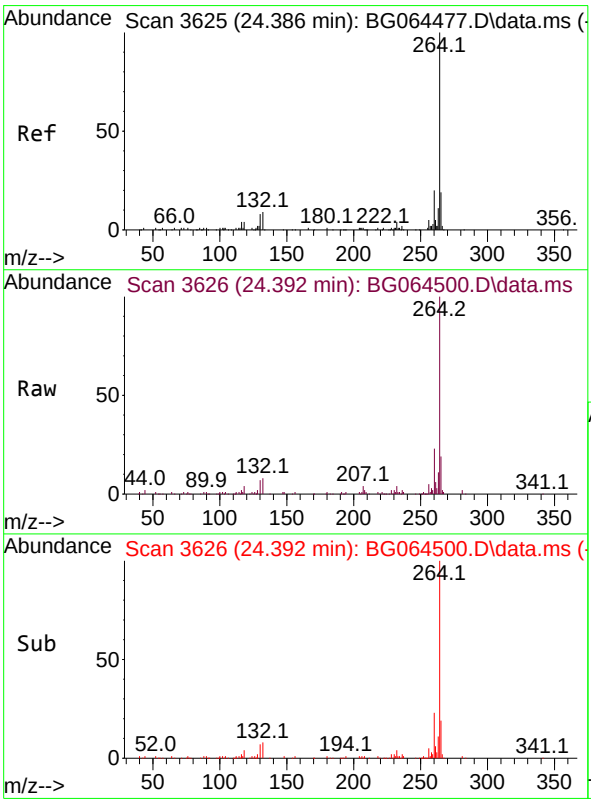
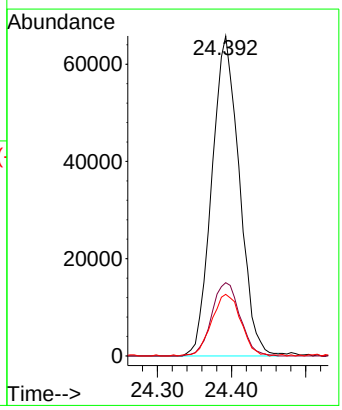


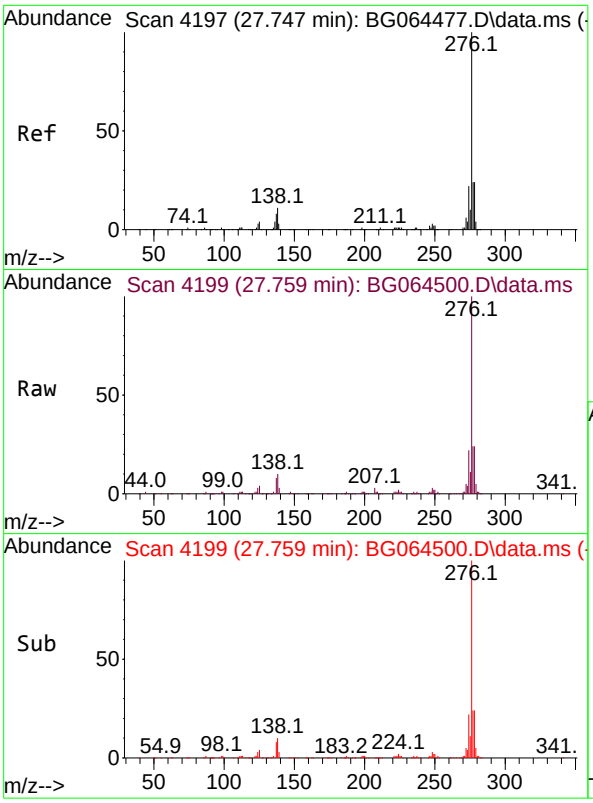


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.392 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

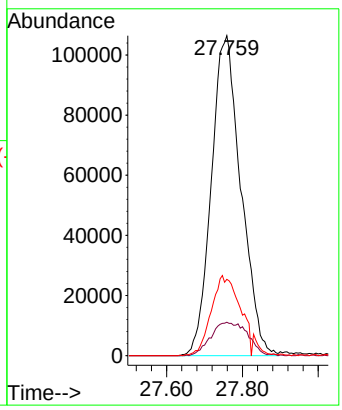




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.062 ng
RT: 27.759 min Scan# 41
Delta R.T. 0.026 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:276 Resp: 57695

Ion	Ratio	Lower	Upper
276	100		
138	12.9	10.8	16.2
277	24.0	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
PB170080BS

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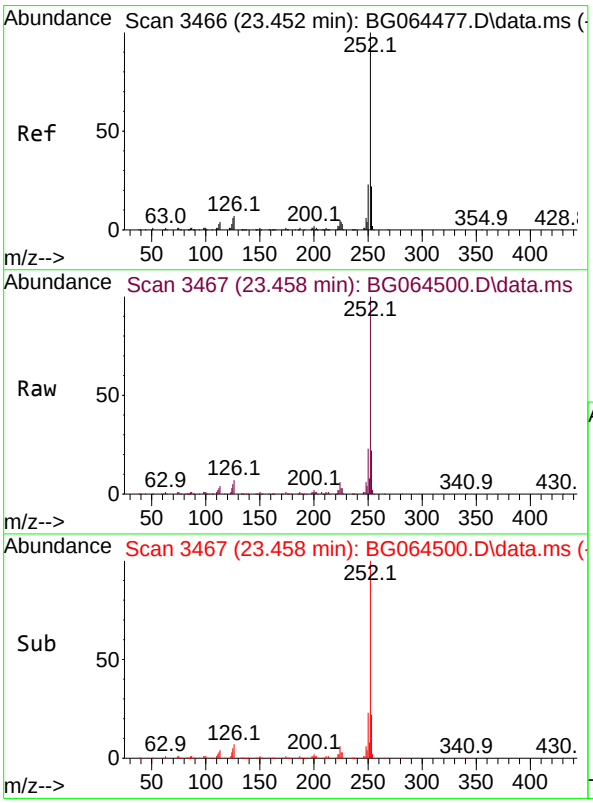
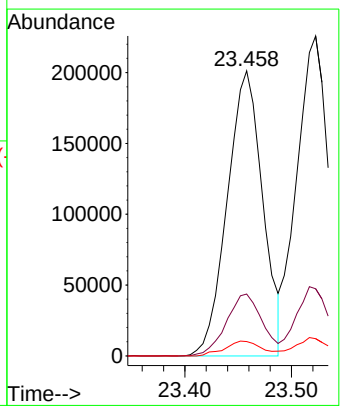
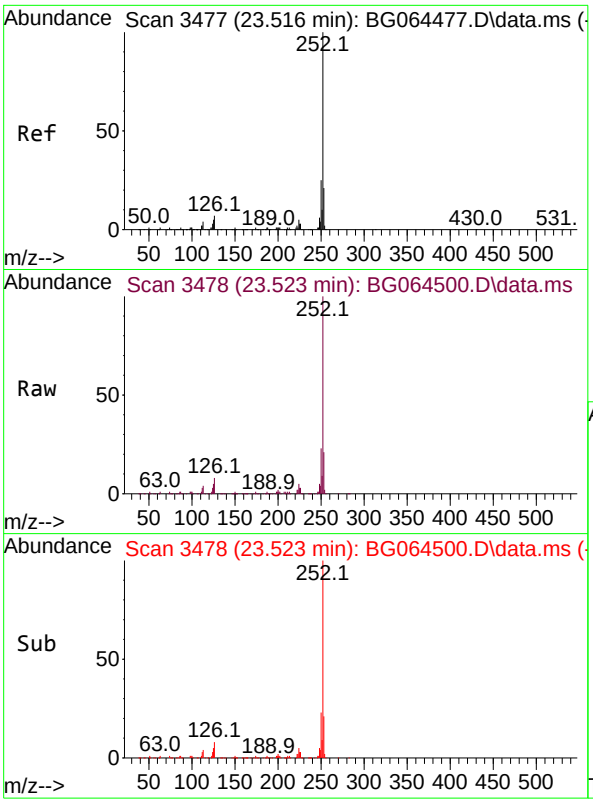


#88
Benzo(b)fluoranthene
Concen: 48.378 ng
RT: 23.458 min Scan# 3467
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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# 34
Delta R.T. 0.015 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

Instrument :
BNA_G
ClientSampleId :
PB170080BS

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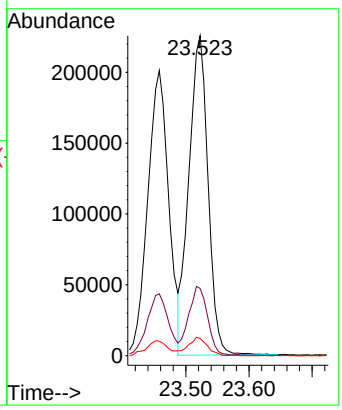
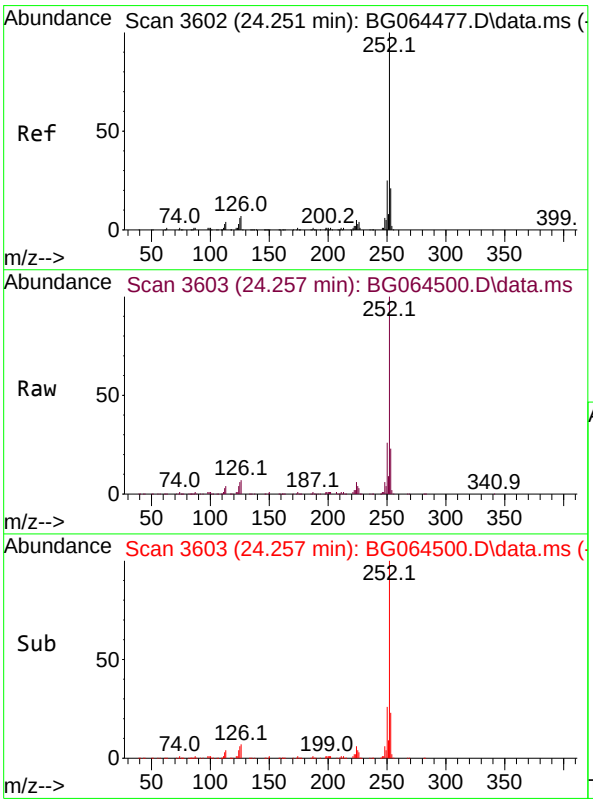
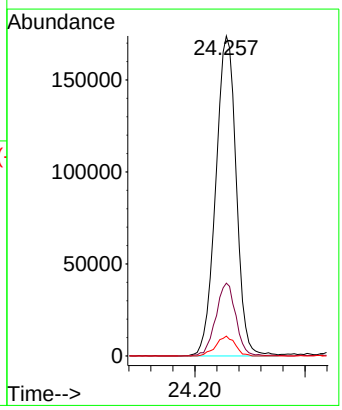


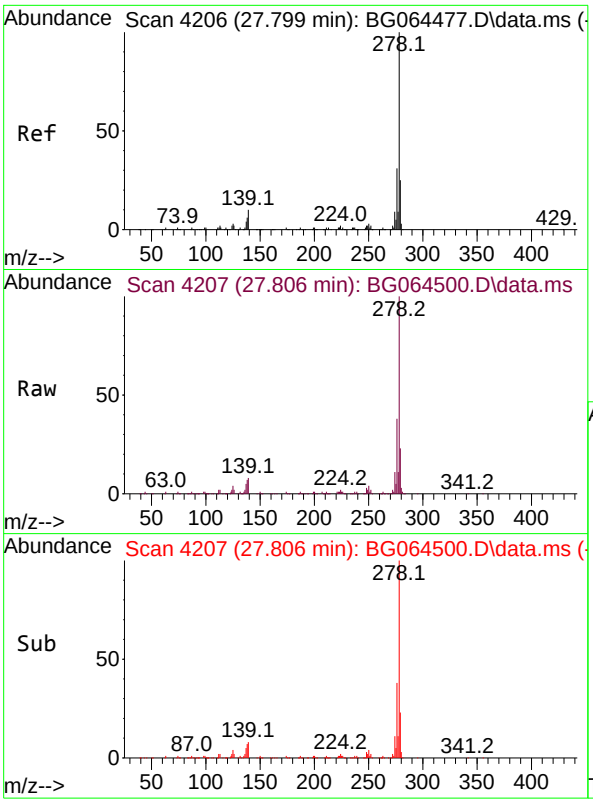


#90
Benzo(a)pyrene
Concen: 50.555 ng
RT: 24.257 min Scan# 3603
Delta R.T. 0.009 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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

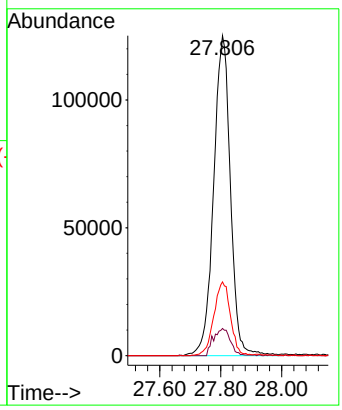




#91
Dibenzo(a,h)anthracene
Concen: 50.886 ng
RT: 27.806 min Scan# 4
Delta R.T. 0.026 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

Tgt Ion:278 Resp: 47855

Ion	Ratio	Lower	Upper
278	100		
139	8.5	8.2	12.2
279	23.0	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
PB170080BS

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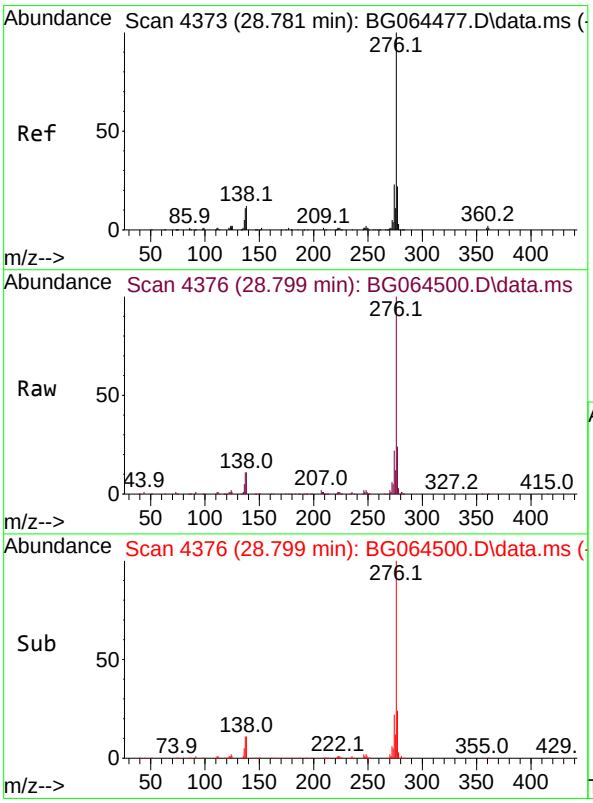
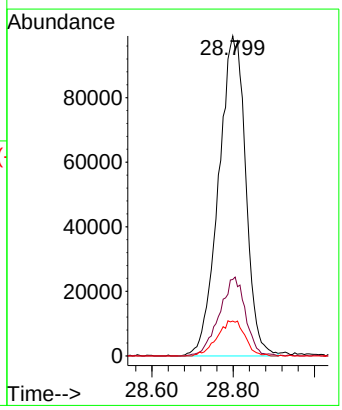


#92
Benzo(g,h,i)perylene
Concen: 50.297 ng
RT: 28.799 min Scan# 4376
Delta R.T. 0.032 min
Lab File: BG064500.D
Acq: 14 Oct 2025 14:38

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



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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/08/25
Project:	RFP 918	Date Received:	10/09/25
Client Sample ID:	P001-DS-01MS	SDG No.:	Q3321
Lab Sample ID:	Q3321-02MS	Matrix:	TCLP
Analytical Method:	8270E Level : LOW	% Solid:	0
Sample Wt/Vol:	100 mL Final Vol: 1000 uL	Test:	TCLP BNA
Prep Method :	Prep Date: 10/13/25		

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

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

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/15/2025
Supervised By :mohammad ahmed 10/17/2025

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

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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

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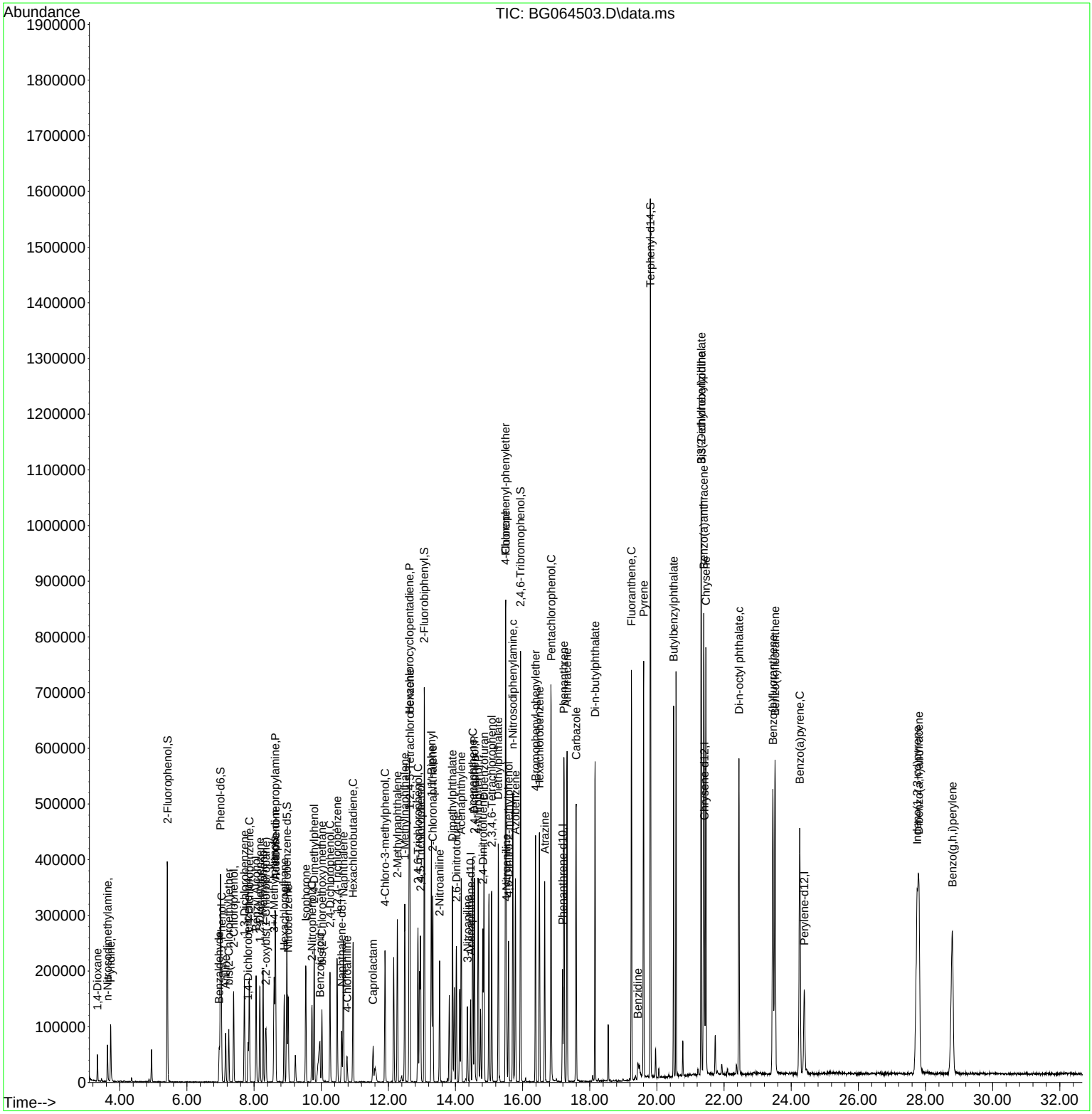
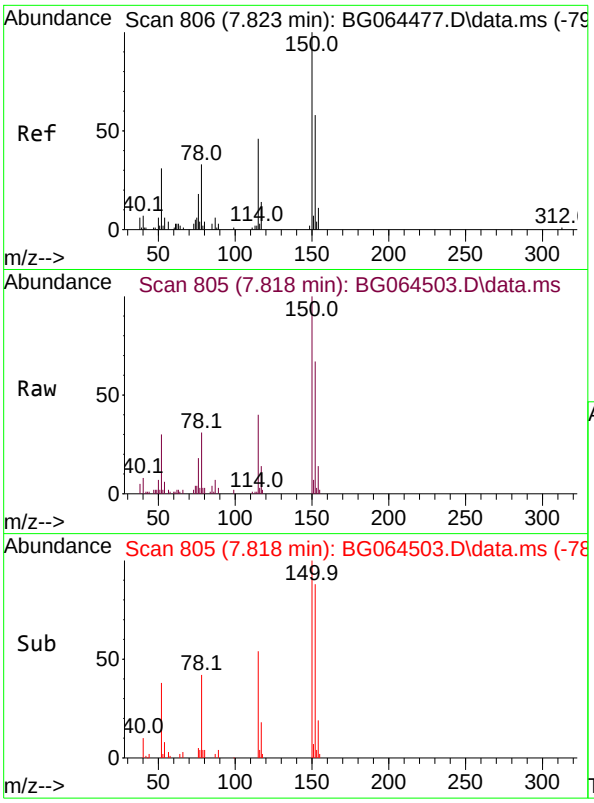
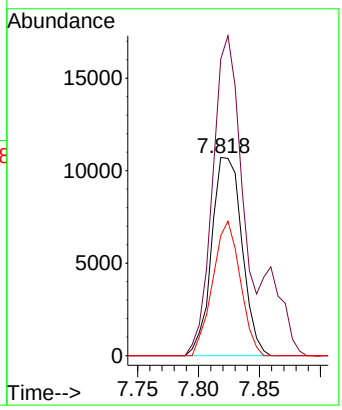




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.818 min Scan# 8(
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:152 Resp: 1859

Ion	Ratio	Lower	Upper
152	100		
150	149.7	138.6	207.8
115	60.6	63.4	95.2#



Instrument :
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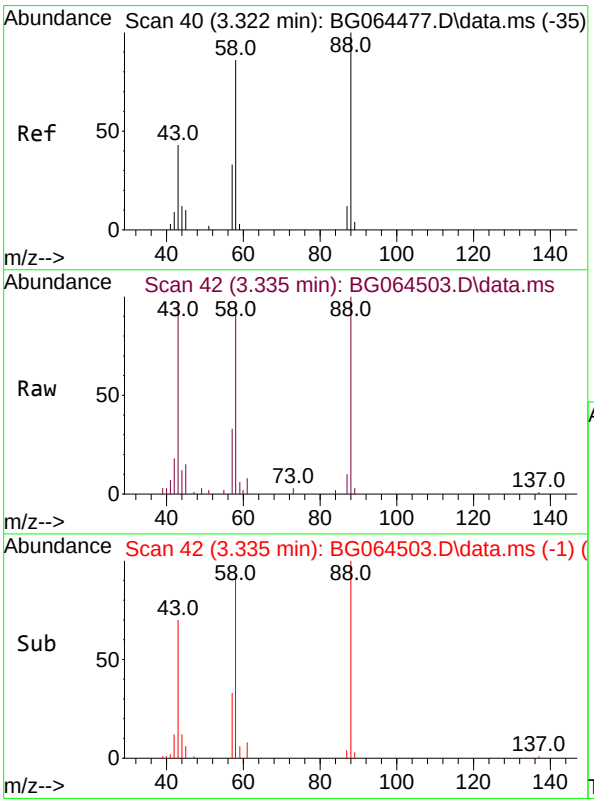
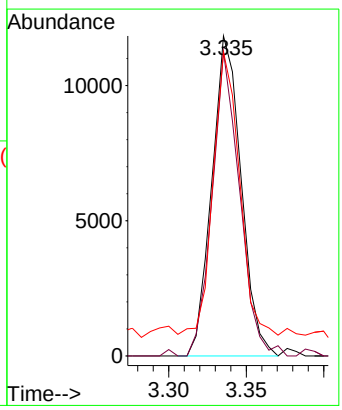
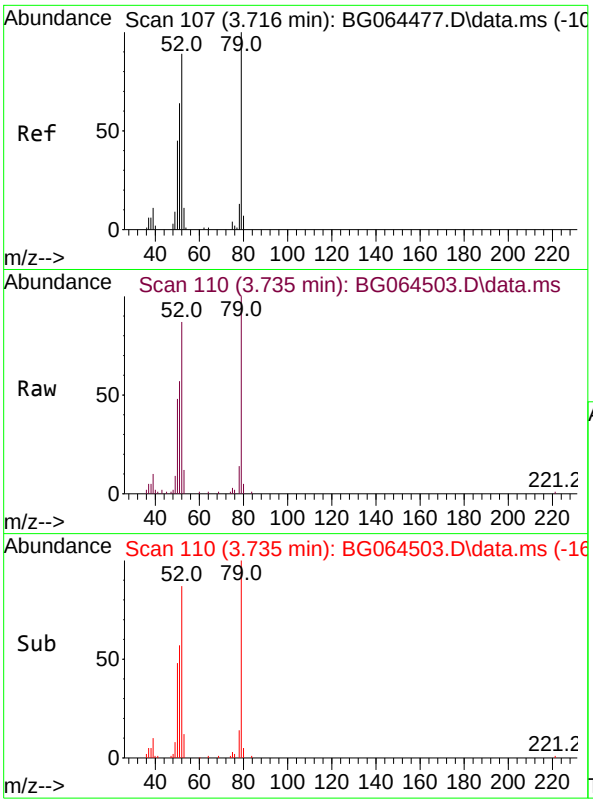


#2
1,4-Dioxane
Concen: 39.210 ng
RT: 3.335 min Scan# 42
Delta R.T. 0.015 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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#

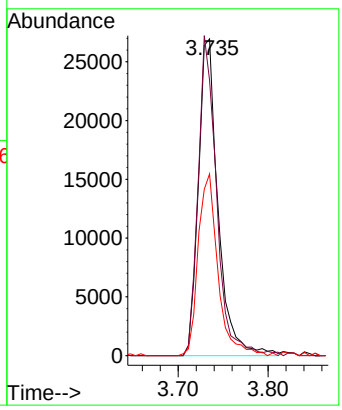




#3
Pyridine
Concen: 38.436 ng
RT: 3.735 min Scan# 11
Delta R.T. 0.021 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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



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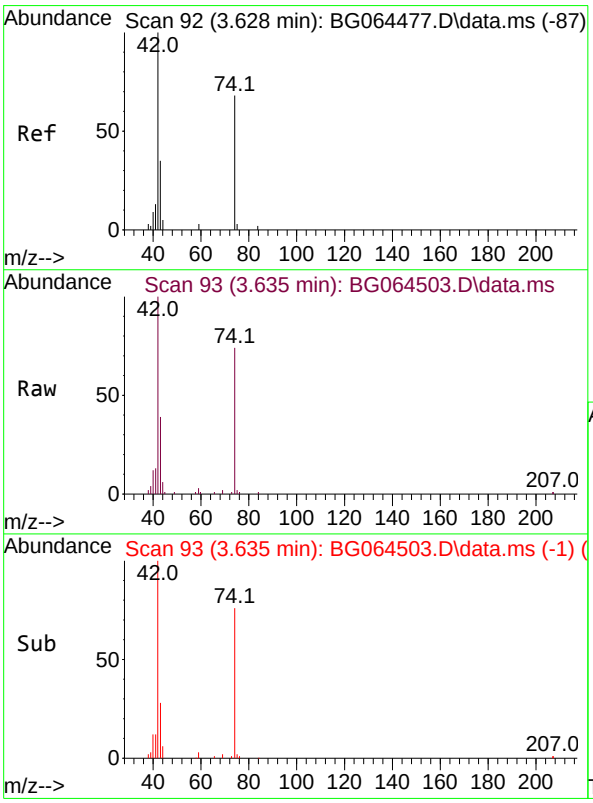
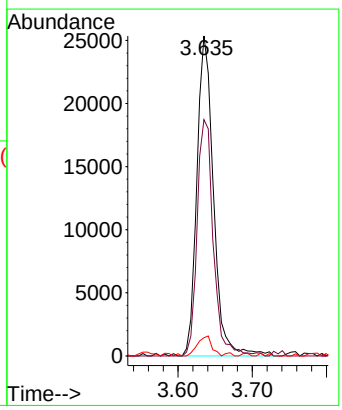
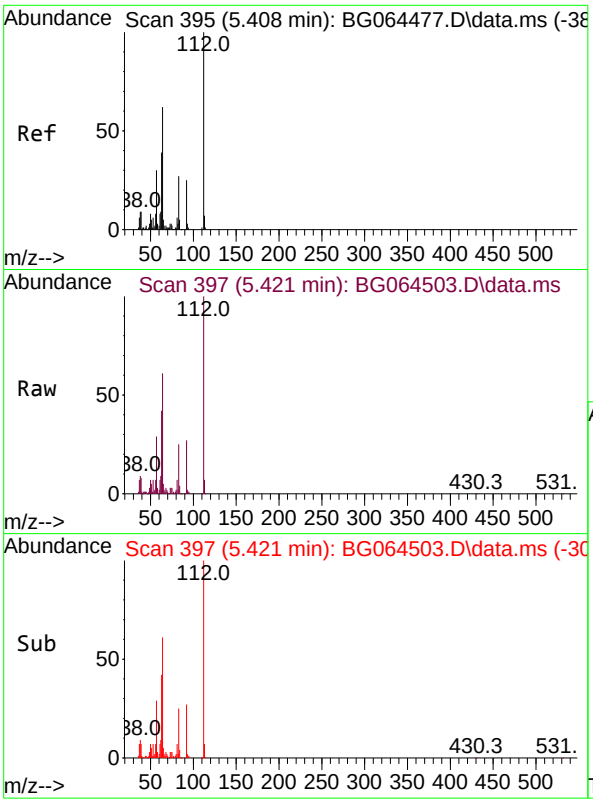


#4
n-Nitrosodimethylamine
Concen: 50.931 ng
RT: 3.635 min Scan# 93
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

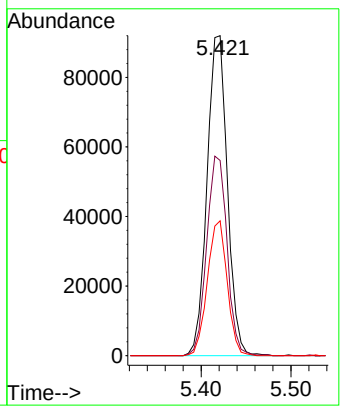




#5
2-Fluorophenol
Concen: 144.258 ng
RT: 5.421 min Scan# 39
Delta R.T. 0.015 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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



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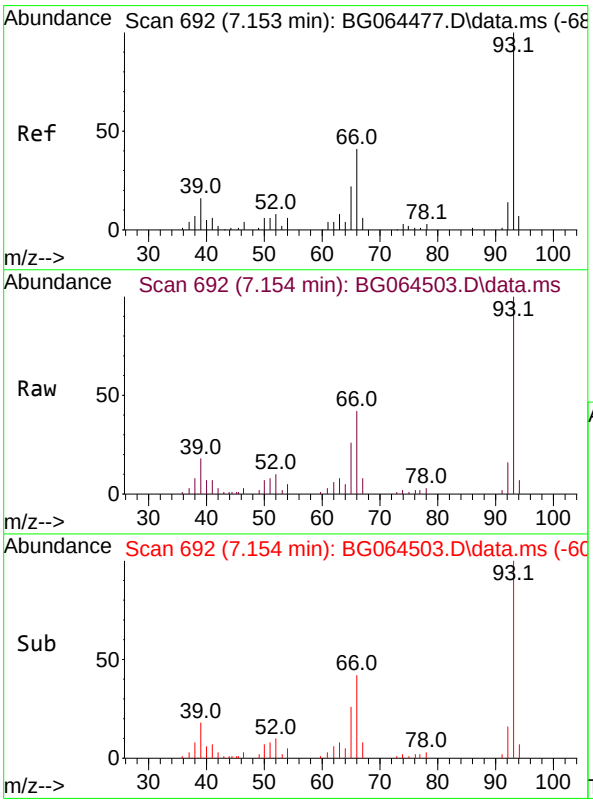
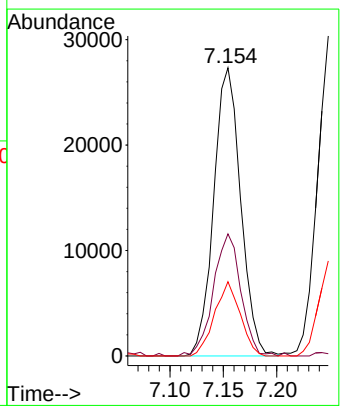
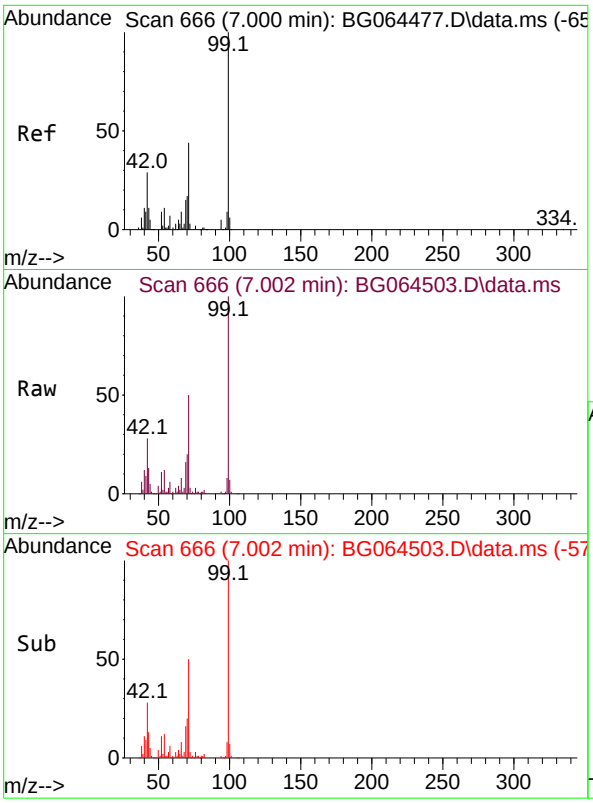


#6
Aniline
Concen: 28.212 ng
RT: 7.154 min Scan# 692
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

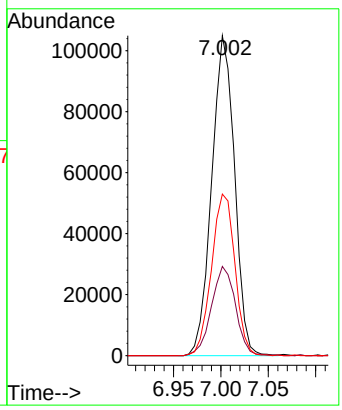




#7
Phenol-d6
Concen: 130.122 ng
RT: 7.002 min Scan# 6
Delta R.T. 0.015 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion: 99 Resp: 17569

Ion	Ratio	Lower	Upper
99	100		
42	27.9	22.9	34.3
71	50.5	35.4	53.2



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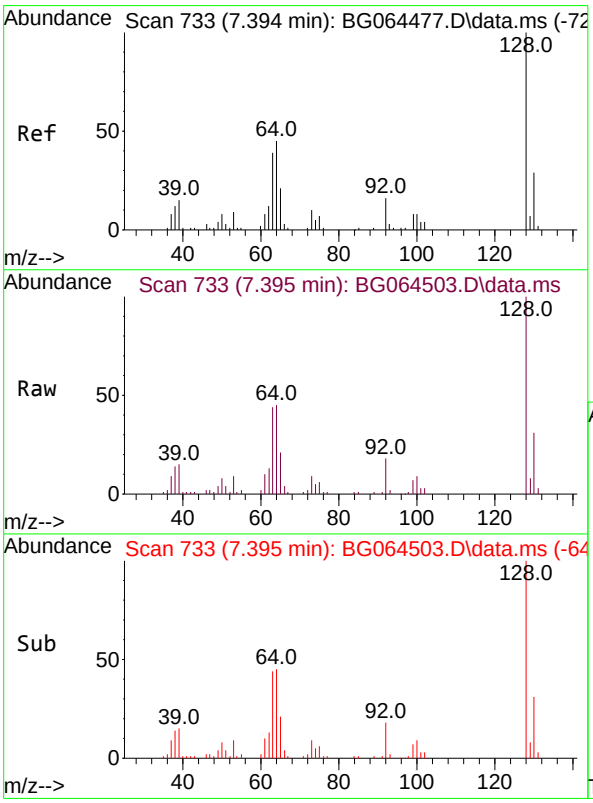
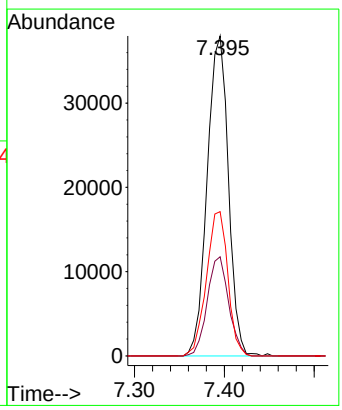
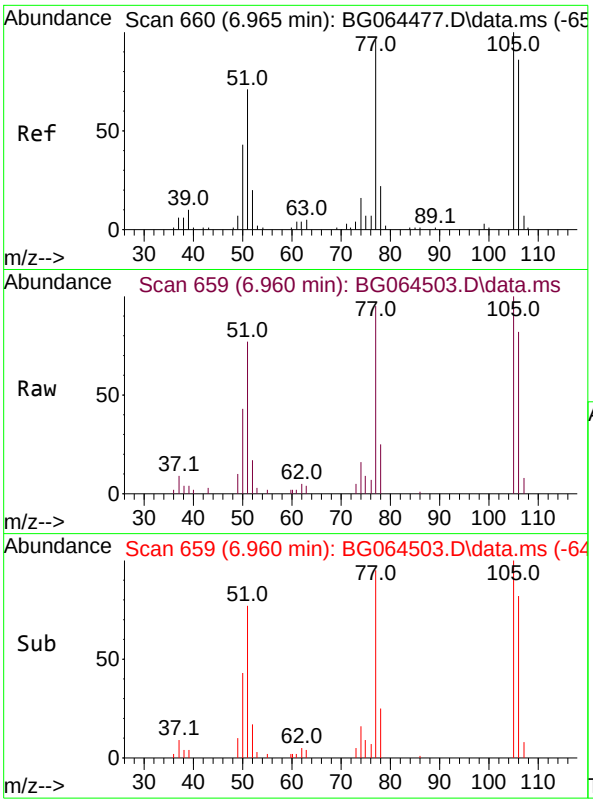


#8
2-Chlorophenol
Concen: 50.381 ng
RT: 7.395 min Scan# 733
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:128 Resp: 62160

Ion	Ratio	Lower	Upper
128	100		
130	31.0	9.2	49.2
64	45.1	25.5	65.5

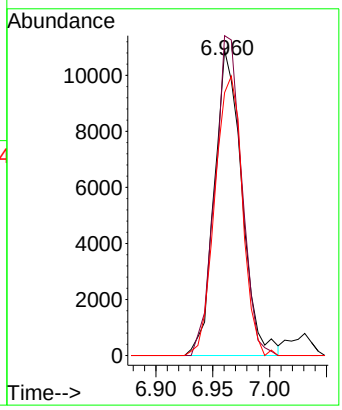




#9
Benzaldehyde
Concen: 15.278 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion: 77 Resp: 1831

Ion	Ratio	Lower	Upper
77	100		
105	104.7	83.7	123.7
106	86.0	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
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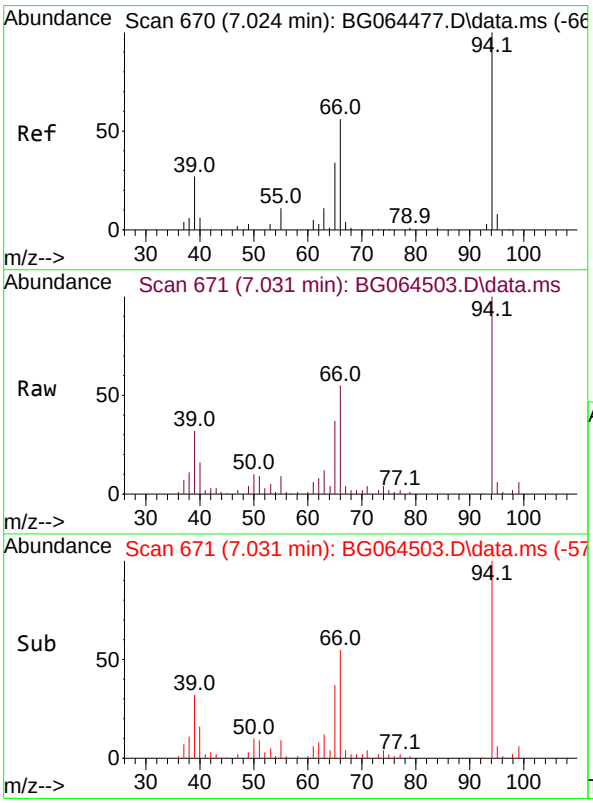
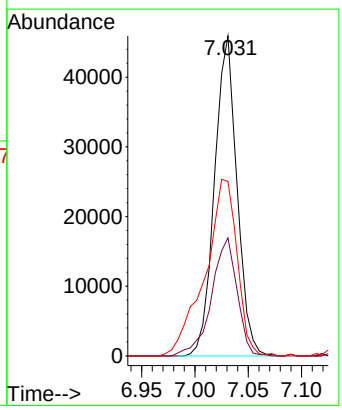
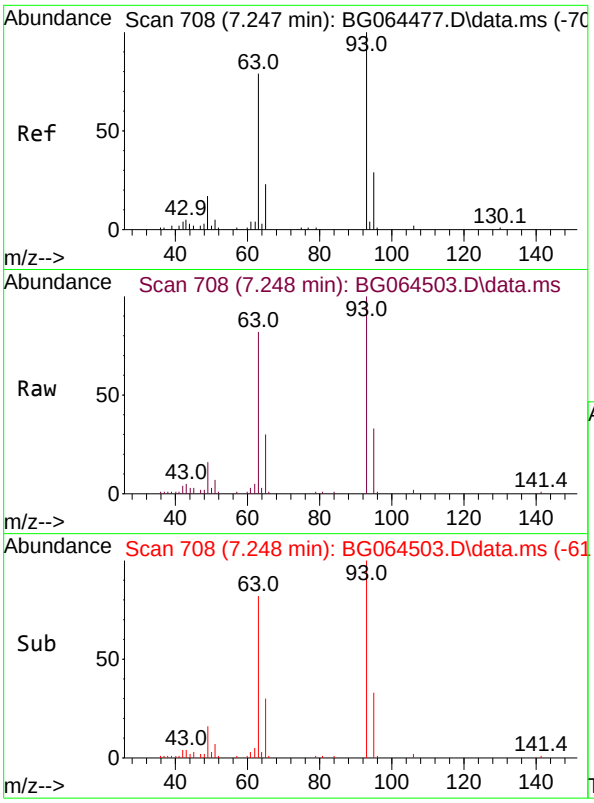


#10
Phenol
Concen: 47.239 ng
RT: 7.031 min Scan# 671
Delta R.T. 0.015 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion: 94 Resp: 67286

Ion	Ratio	Lower	Upper
94	100		
65	36.9	14.8	54.8
66	54.5	41.4	81.4

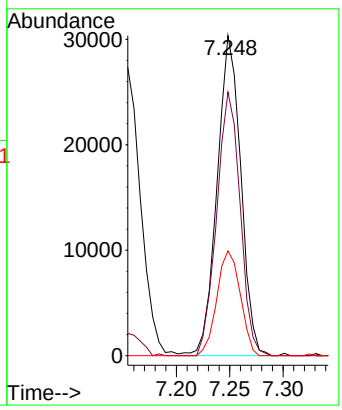




#11
bis(2-Chloroethyl)ether
Concen: 48.632 ng
RT: 7.248 min Scan# 70
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion: 93 Resp: 4691

Ion	Ratio	Lower	Upper
93	100		
63	82.3	59.5	99.5
95	32.7	8.8	48.8



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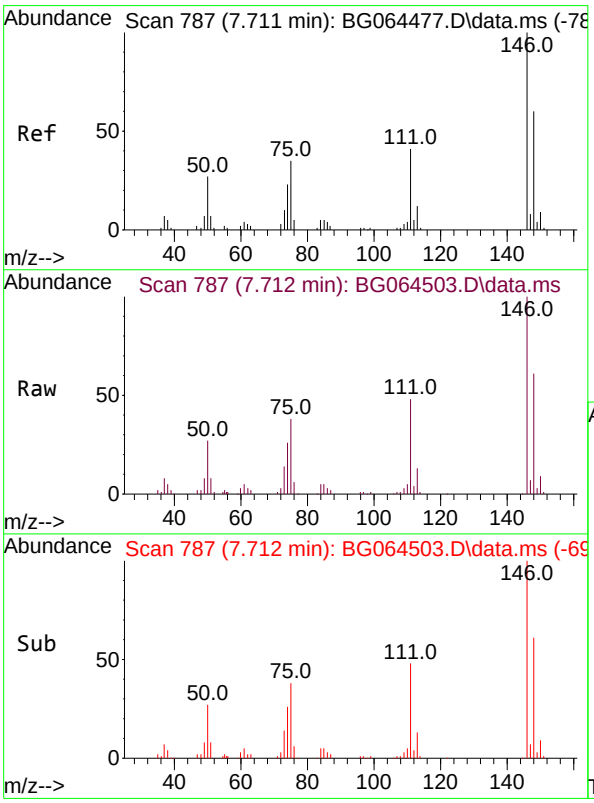
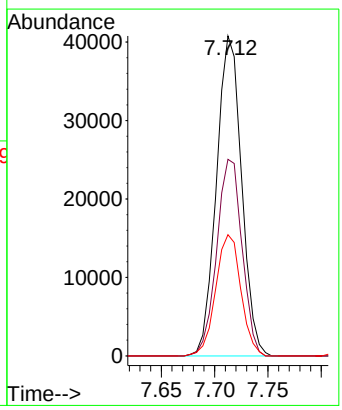
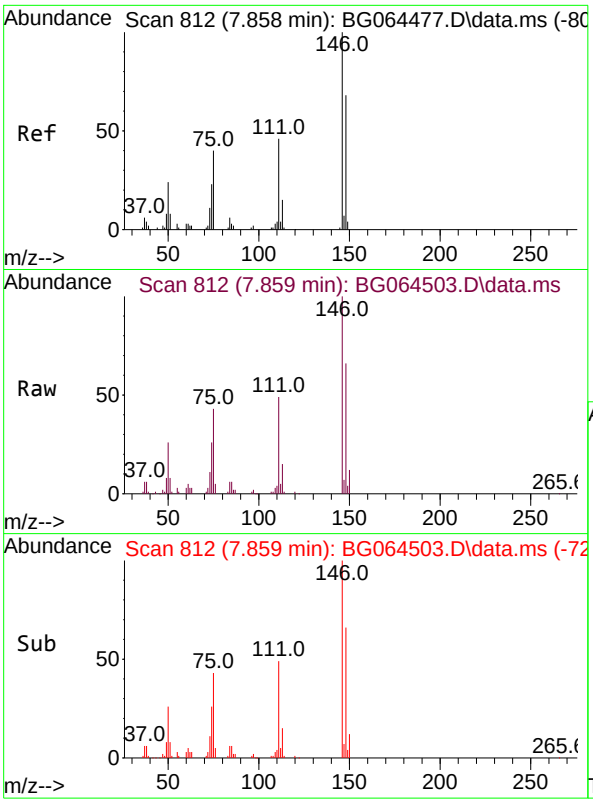


#12
1,3-Dichlorobenzene
Concen: 49.587 ng
RT: 7.712 min Scan# 787
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:146 Resp: 66927

Ion	Ratio	Lower	Upper
146	100		
148	61.4	48.4	72.6
75	37.9	28.3	42.5

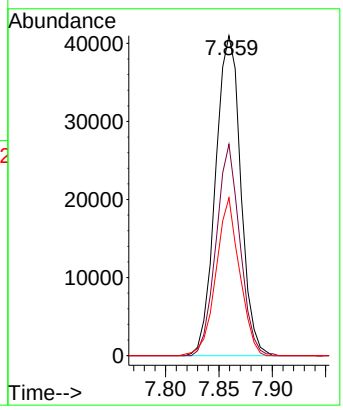




#13
1,4-Dichlorobenzene
Concen: 49.749 ng
RT: 7.859 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:146 Resp: 6738

Ion	Ratio	Lower	Upper
146	100		
148	66.0	54.4	81.6
111	49.3	36.5	54.7



Instrument :
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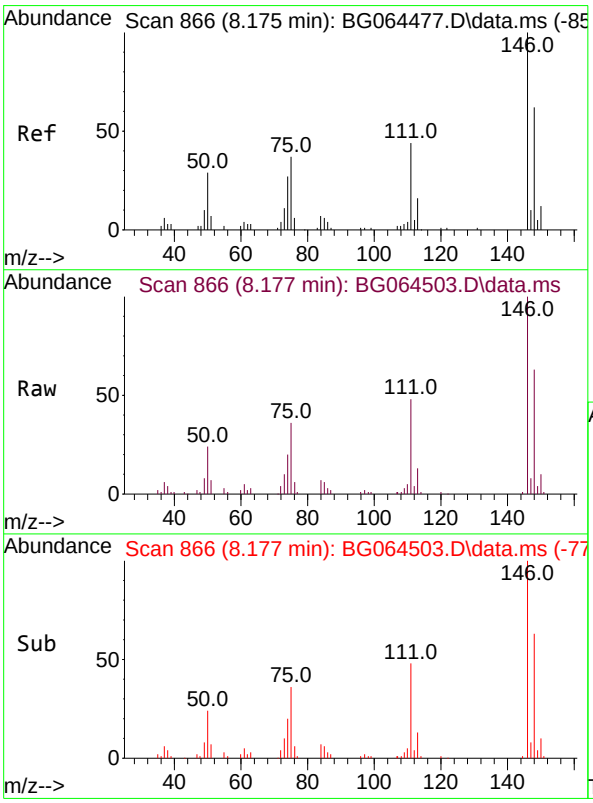
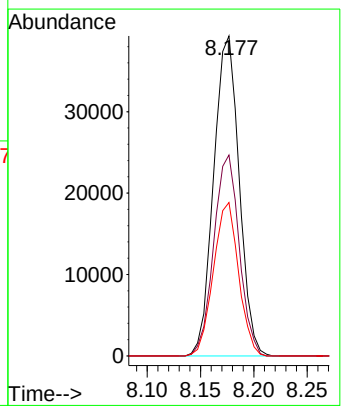
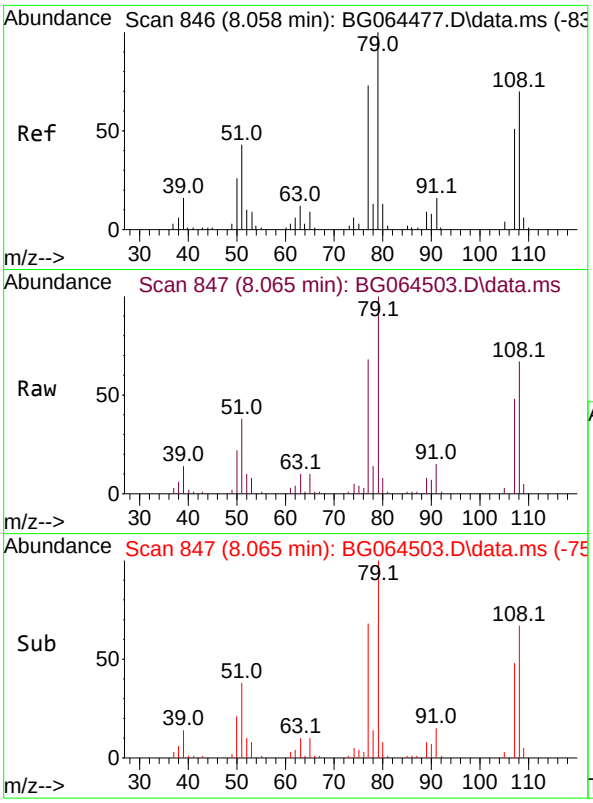


#14
1,2-Dichlorobenzene
Concen: 49.028 ng
RT: 8.177 min Scan# 866
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

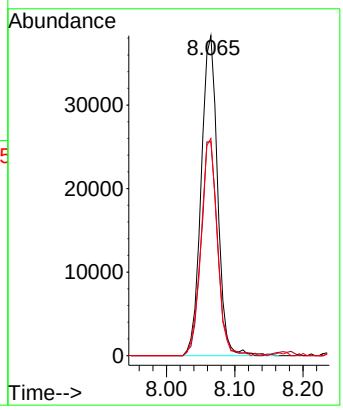




#15
Benzyl Alcohol
Concen: 51.413 ng
RT: 8.065 min Scan# 84
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion: 79 Resp: 6393

Ion	Ratio	Lower	Upper
79	100		
108	66.8	56.4	84.6
77	67.8	58.3	87.5



Instrument :
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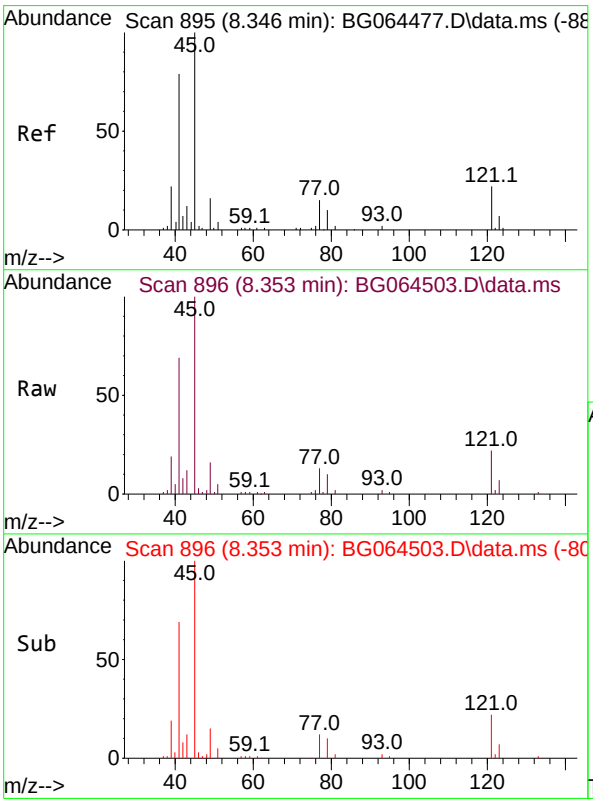
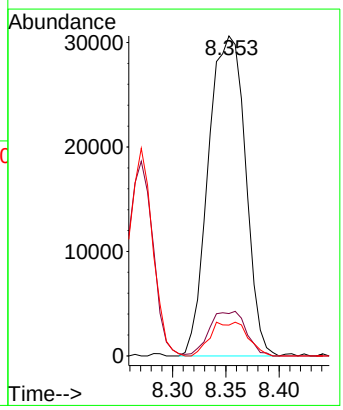
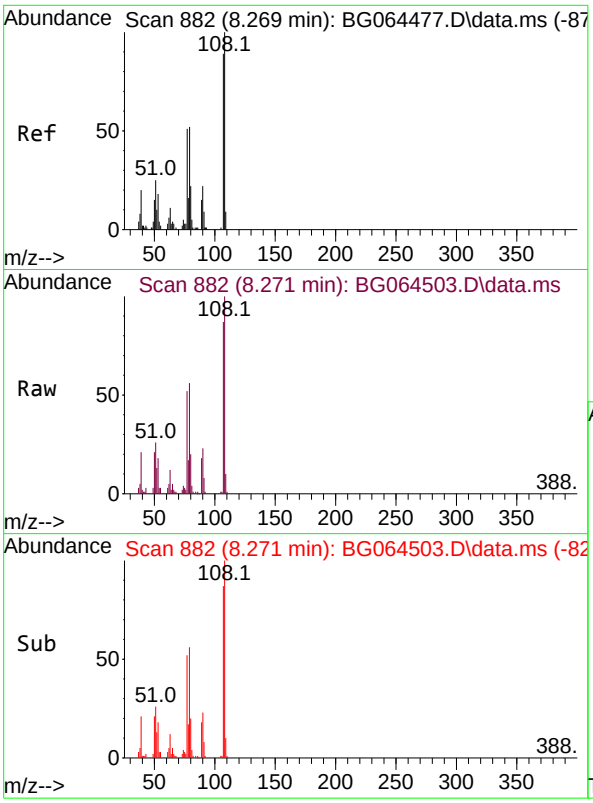


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.607 ng
RT: 8.353 min Scan# 896
Delta R.T. 0.015 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

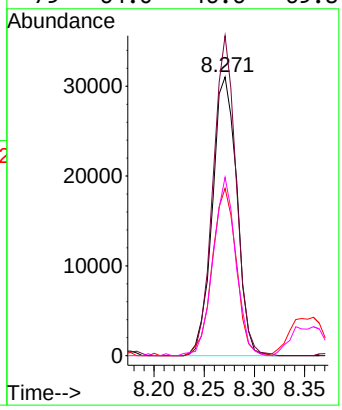




#17
2-Methylphenol
Concen: 51.092 ng
RT: 8.271 min Scan# 88
Delta R.T. 0.009 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:107 Resp: 5269

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



Instrument :
BNA_G
ClientSampleId :
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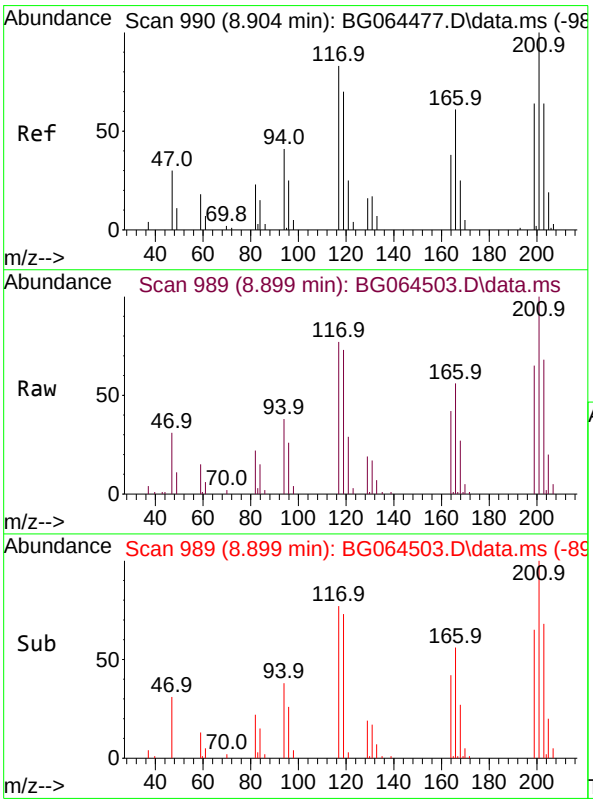
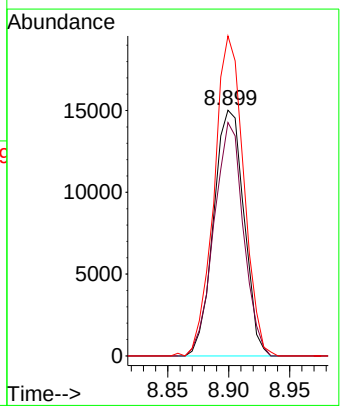
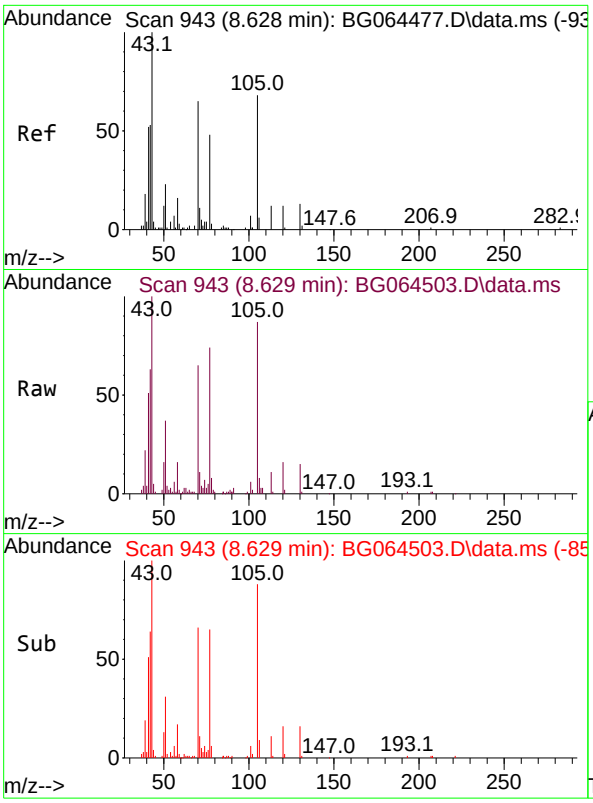


#18
Hexachloroethane
Concen: 48.629 ng
RT: 8.899 min Scan# 989
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

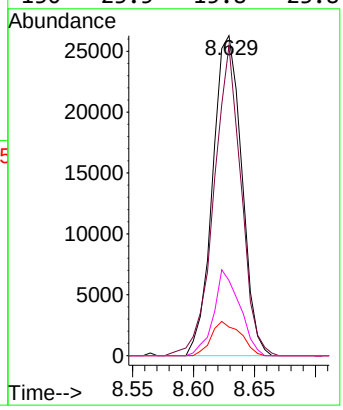




#19
n-Nitroso-di-n-propylamine
Concen: 48.316 ng
RT: 8.629 min Scan# 94
Delta R.T. 0.015 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion: 70 Resp: 4363

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



Instrument :
BNA_G
ClientSampleId :
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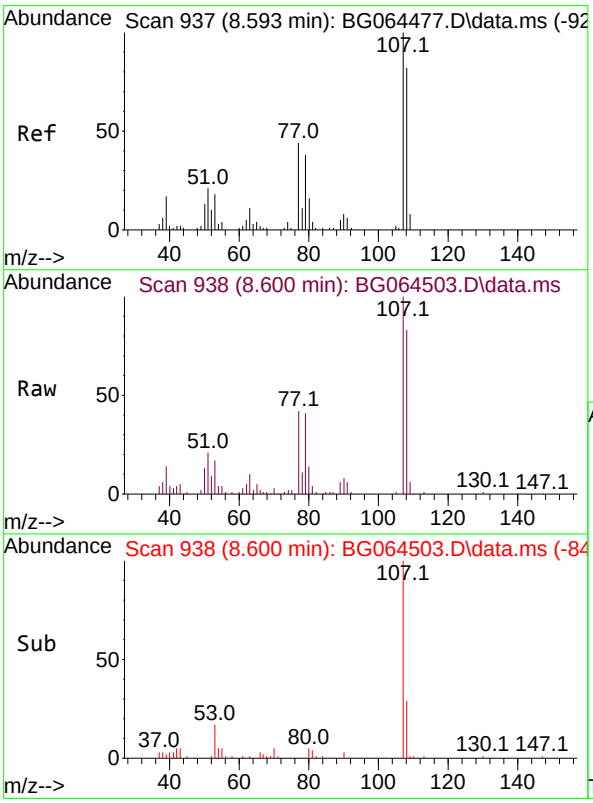
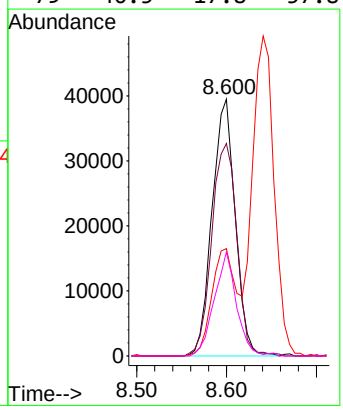
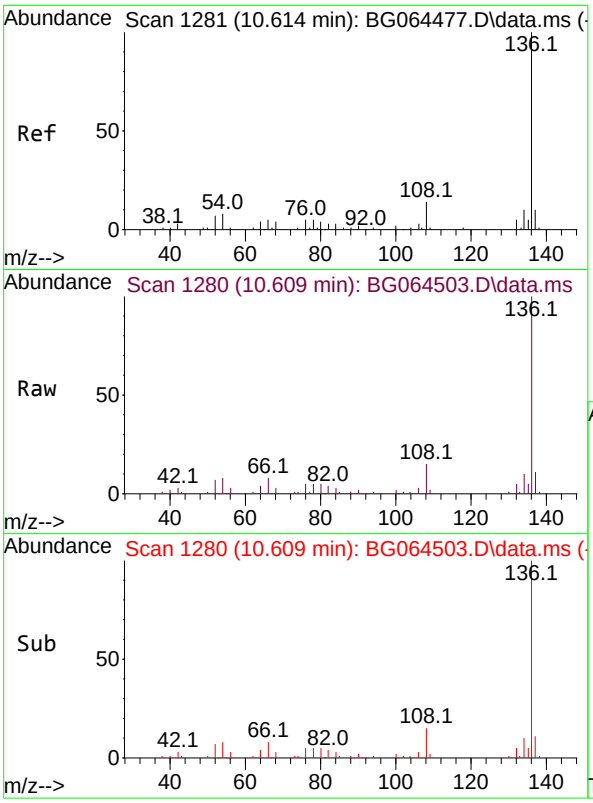


#20
3+4-Methylphenols
Concen: 49.110 ng
RT: 8.600 min Scan# 938
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

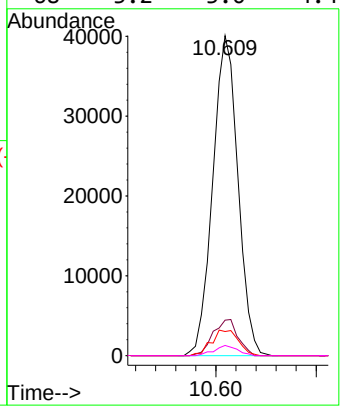




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:136 Resp: 6981

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



Instrument :
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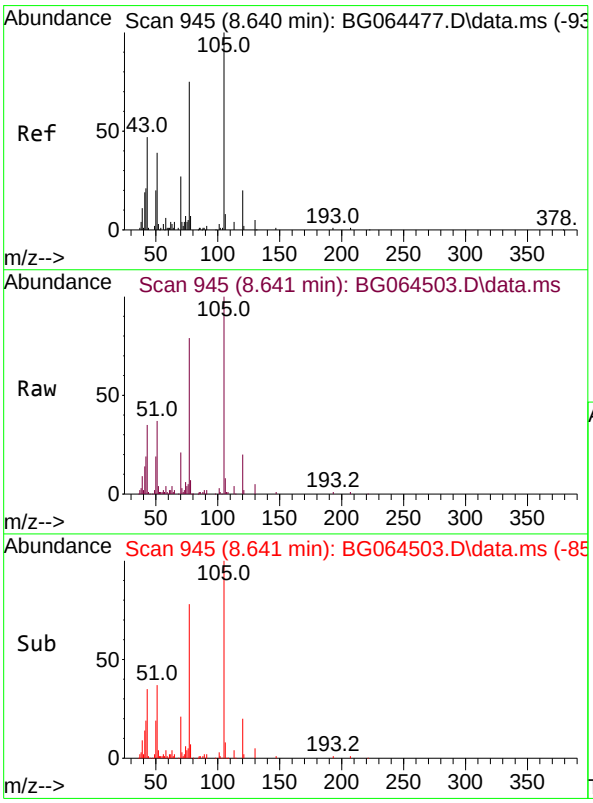
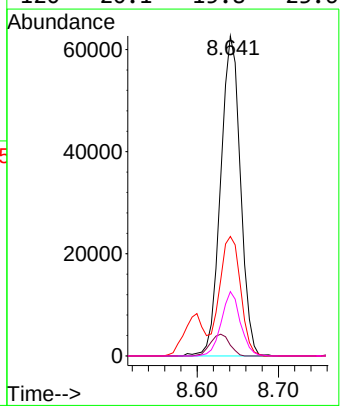
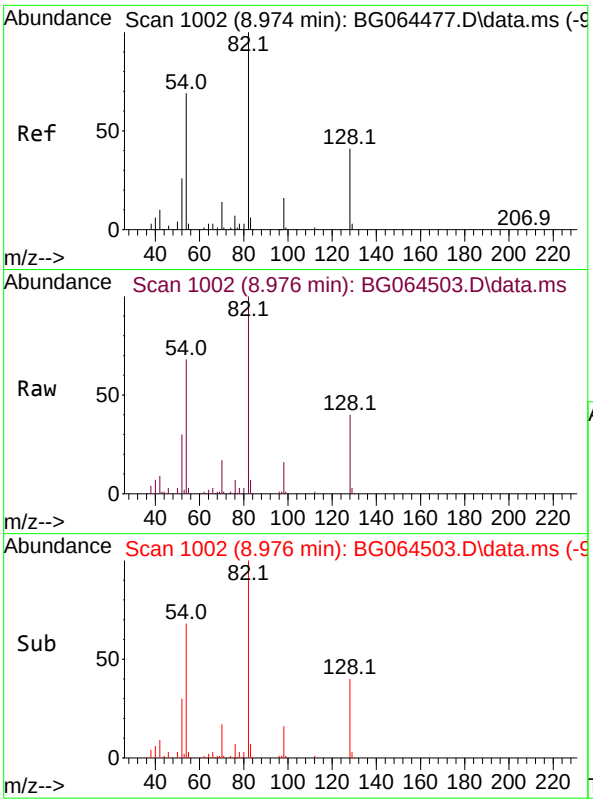


#22
Acetophenone
Concen: 62.588 ng
RT: 8.641 min Scan# 945
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

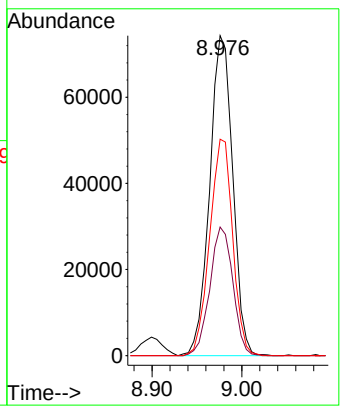




#23
Nitrobenzene-d5
Concen: 102.353 ng
RT: 8.976 min Scan# 1
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion: 82 Resp: 13289

Ion	Ratio	Lower	Upper
82	100		
128	40.2	33.1	49.7
54	67.6	55.4	83.2



Instrument :
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ClientSampleId :
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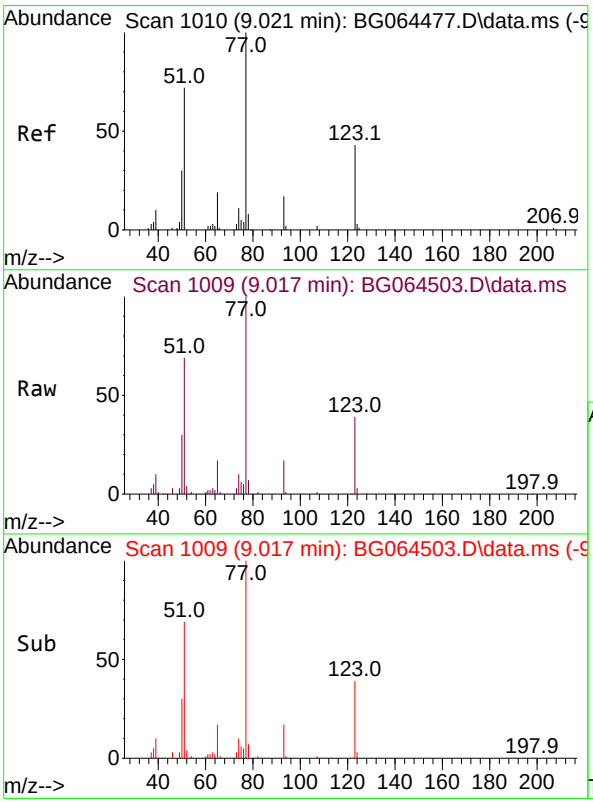
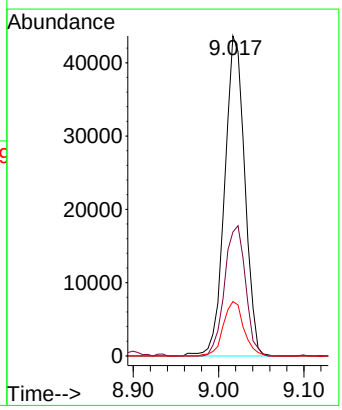
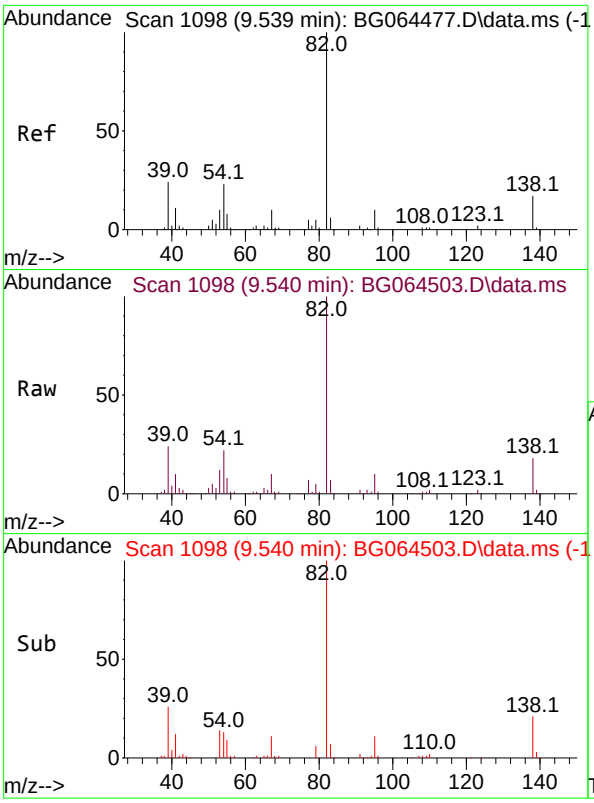


#24
Nitrobenzene
Concen: 55.126 ng
RT: 9.017 min Scan# 1009
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

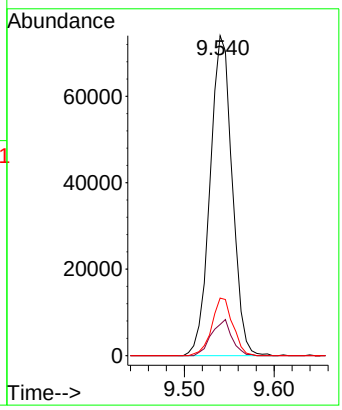




#25
Isophorone
Concen: 53.971 ng
RT: 9.540 min Scan# 1
Delta R.T. 0.009 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion: 82 Resp: 12694

Ion	Ratio	Lower	Upper
82	100		
95	9.7	7.8	11.8
138	18.0	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
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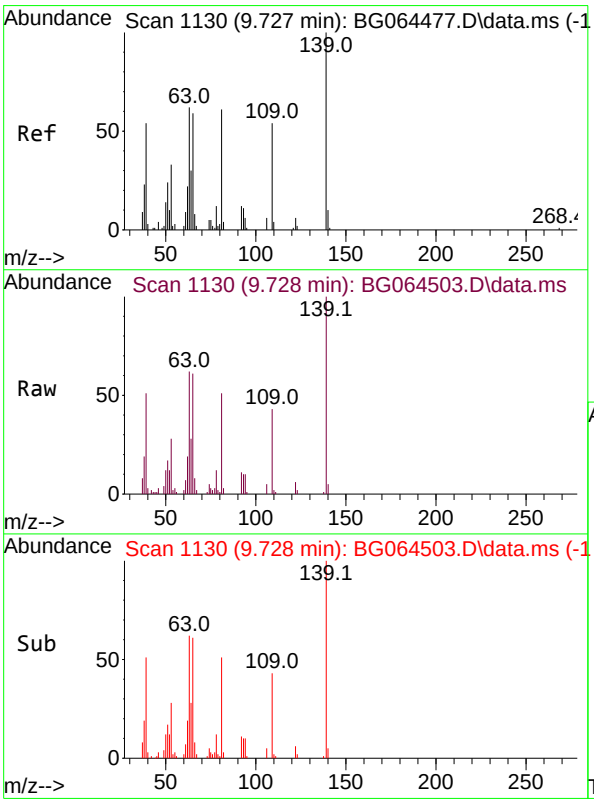
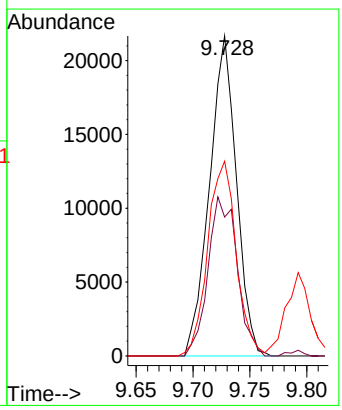
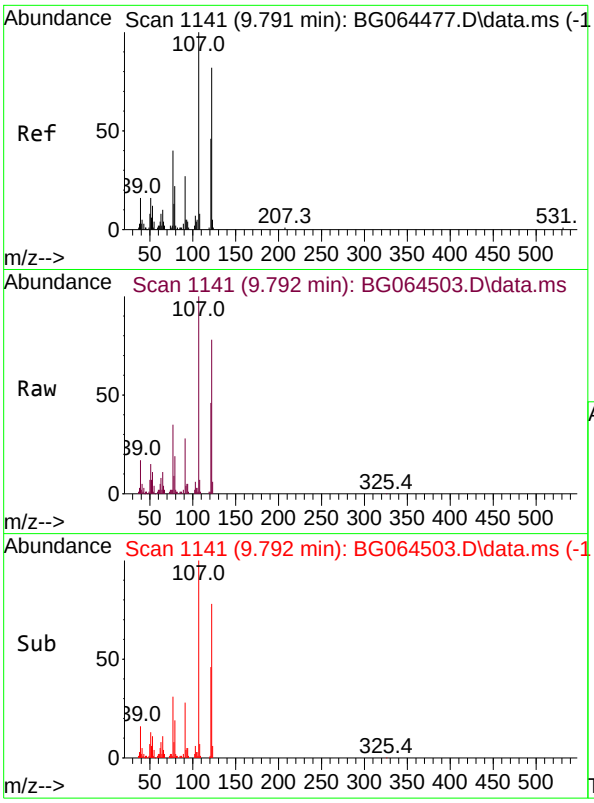


#26
2-Nitrophenol
Concen: 55.352 ng
RT: 9.728 min Scan# 1130
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

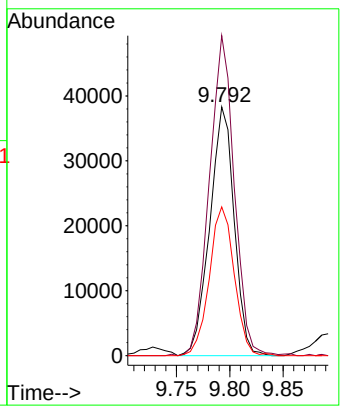




#27
2,4-Dimethylphenol
Concen: 61.989 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:122 Resp: 6101

Ion	Ratio	Lower	Upper
122	100		
107	128.6	98.3	147.5
121	59.8	44.7	67.1



Instrument :
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ClientSampleId :
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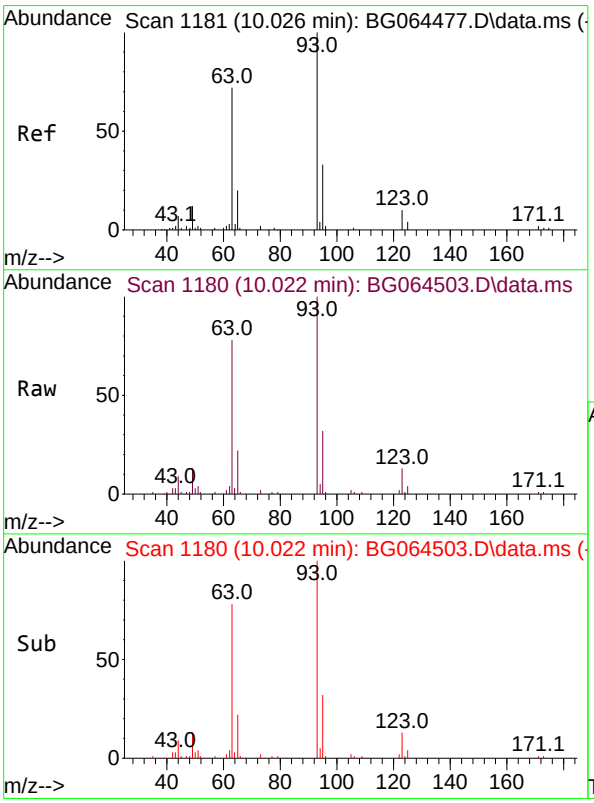
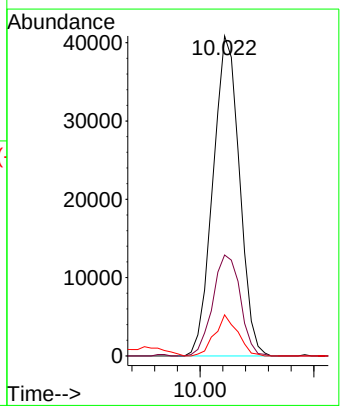
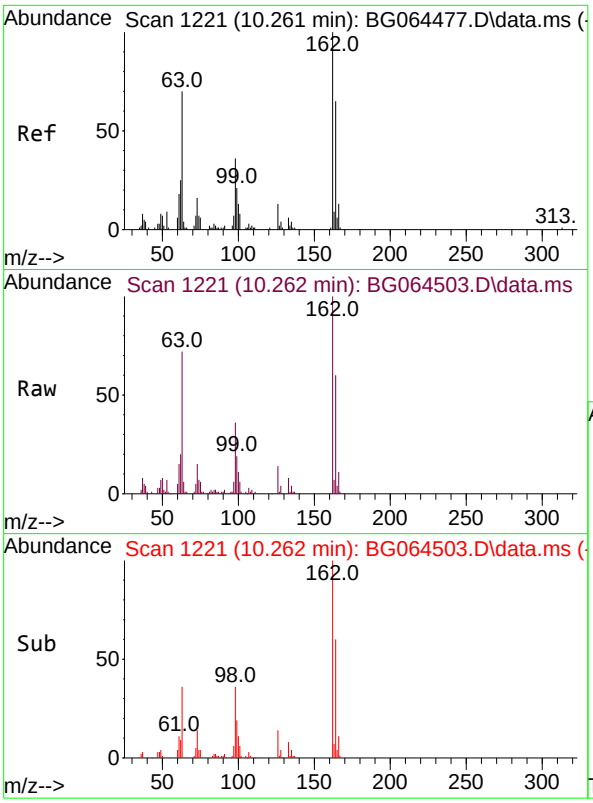


#28
bis(2-Chloroethoxy)methane
Concen: 55.032 ng
RT: 10.022 min Scan# 1180
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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# 1
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:162 Resp: 6401

Ion	Ratio	Lower	Upper
162	100		
164	60.1	45.4	85.4
98	36.2	16.4	56.4

Instrument :
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ClientSampleId :
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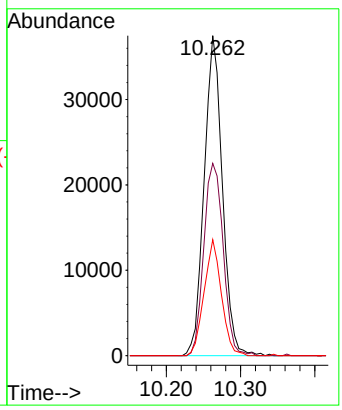
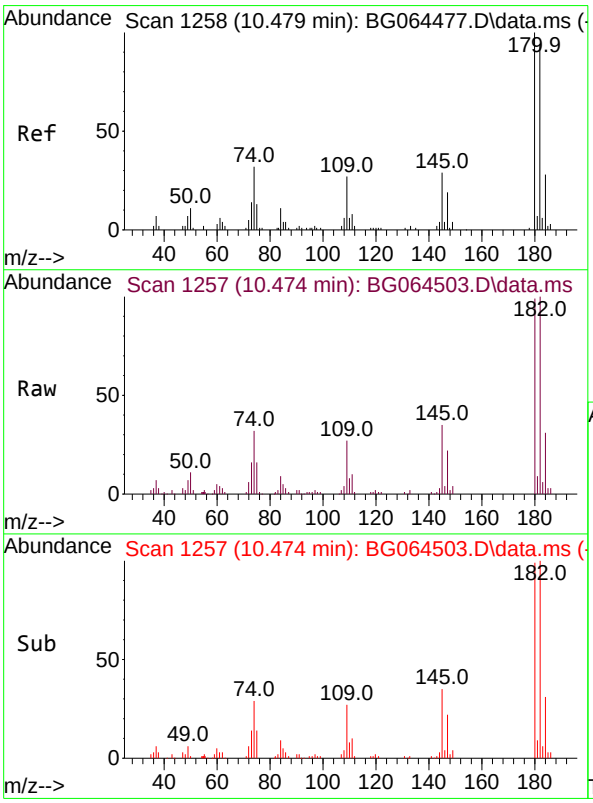
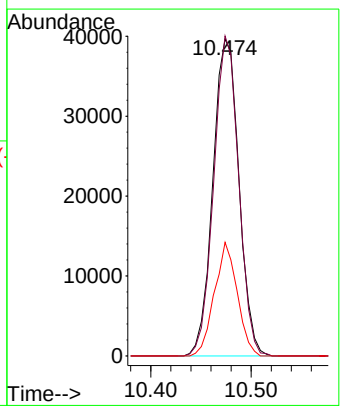


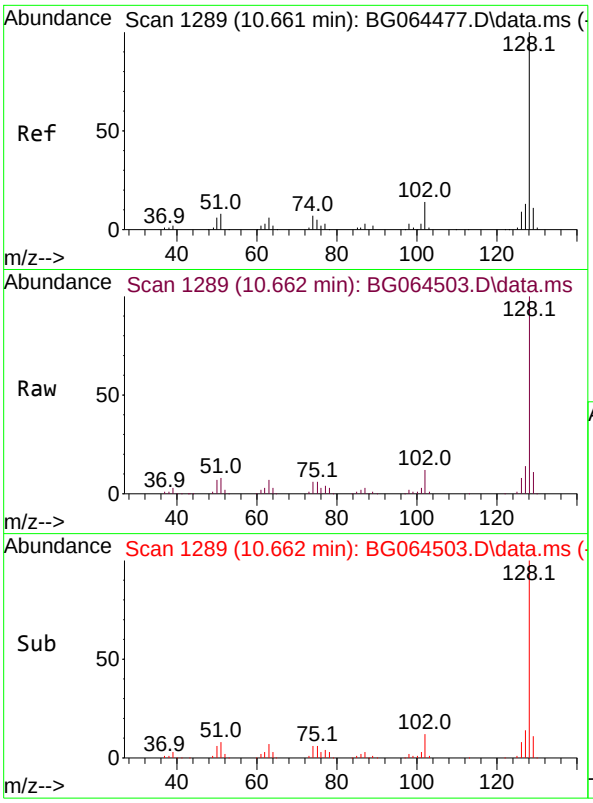


#30
1,2,4-Trichlorobenzene
Concen: 57.612 ng
RT: 10.474 min Scan# 1257
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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#

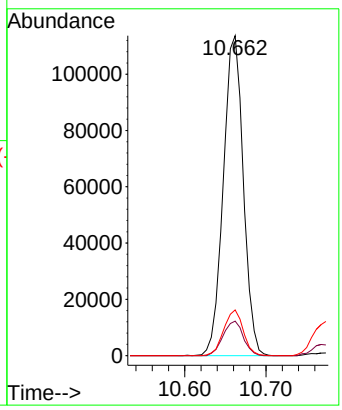




#31
Naphthalene
Concen: 54.074 ng
RT: 10.662 min Scan# 1
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:128 Resp: 19439

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	14.3	10.2	15.2



Instrument :
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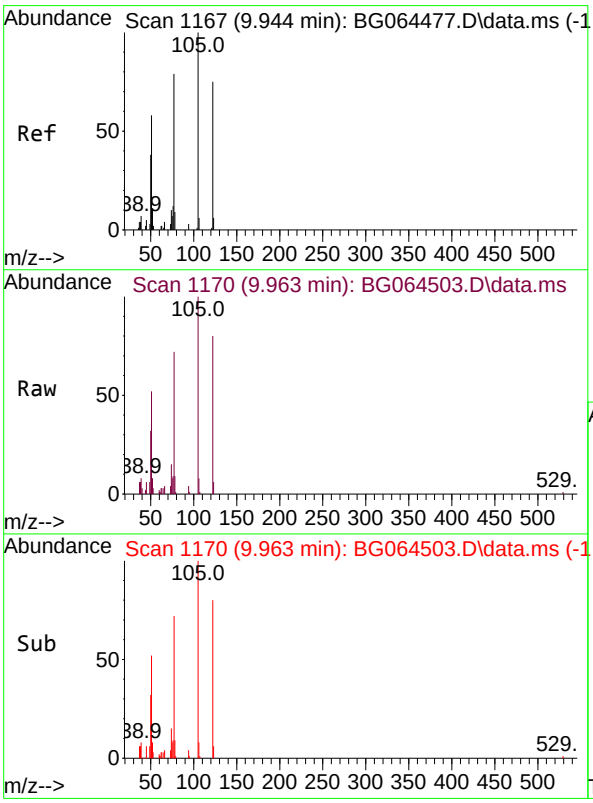
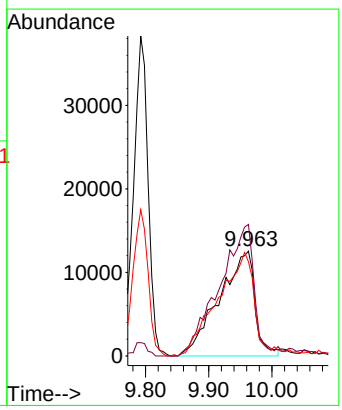
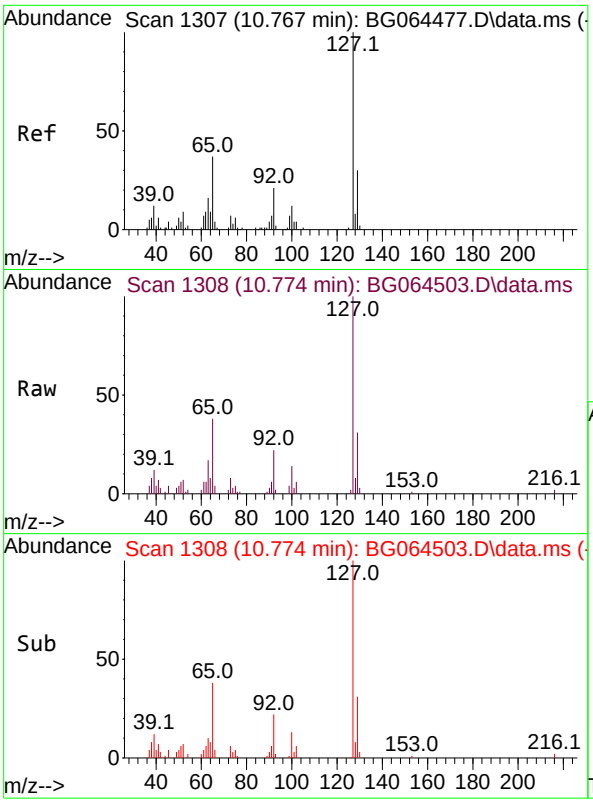


#32
Benzoic acid
Concen: 65.060 ng
RT: 9.963 min Scan# 1170
Delta R.T. 0.074 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

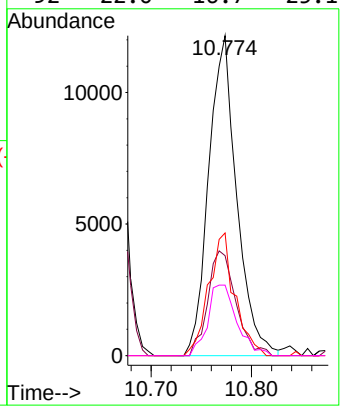




#33
4-Chloroaniline
Concen: 17.112 ng
RT: 10.774 min Scan# 1
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:127 Resp: 2360

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



Instrument :
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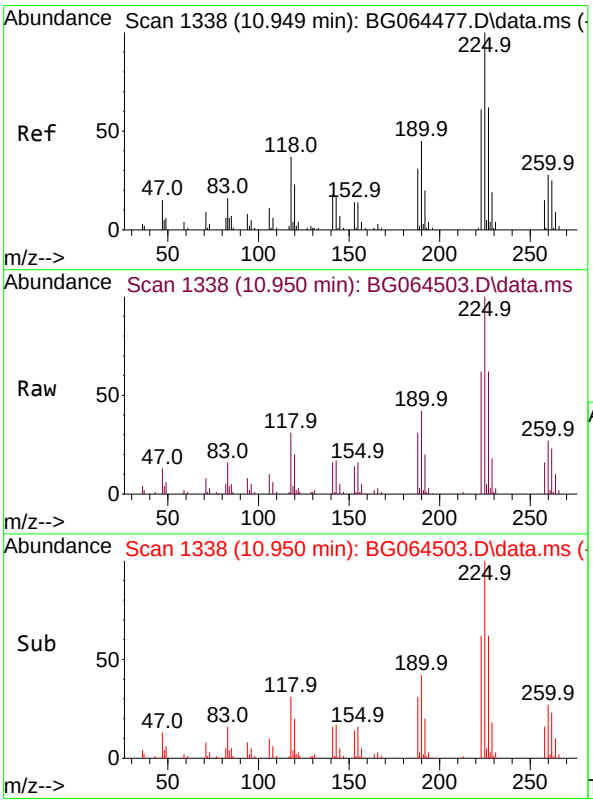
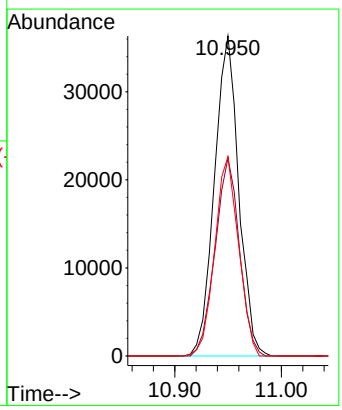
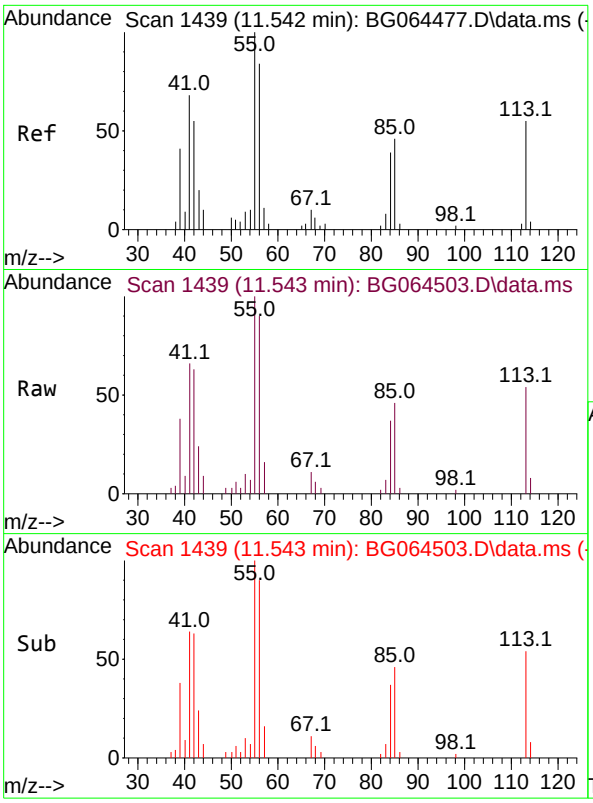


#34
Hexachlorobutadiene
Concen: 54.177 ng
RT: 10.950 min Scan# 1338
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

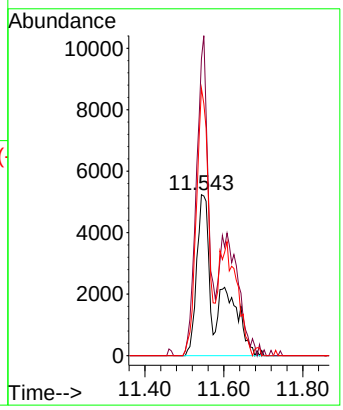




#35
Caprolactam
Concen: 48.709 ng m
RT: 11.543 min Scan# 14
Delta R.T. 0.033 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:113 Resp: 1897

Ion	Ratio	Lower	Upper
113	100		
55	184.4	162.0	202.0
56	166.0	134.6	174.6



Instrument :
BNA_G
ClientSampleId :
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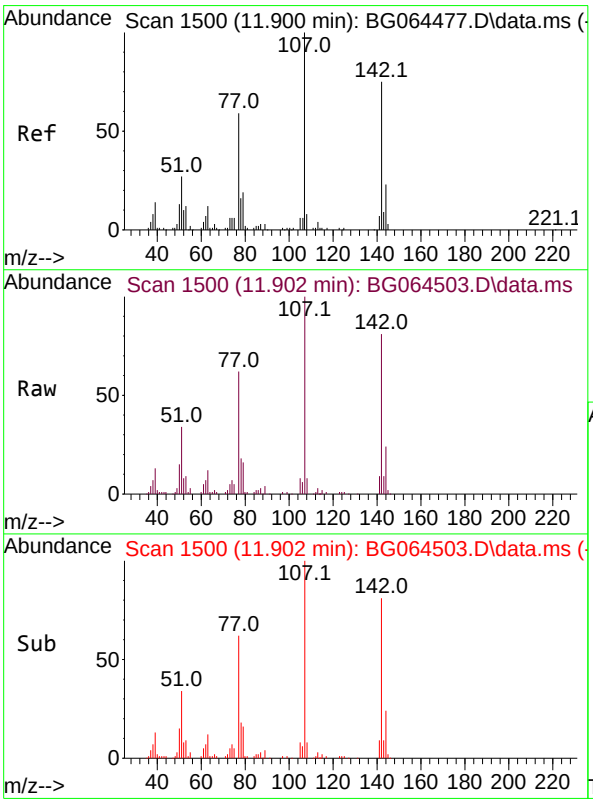
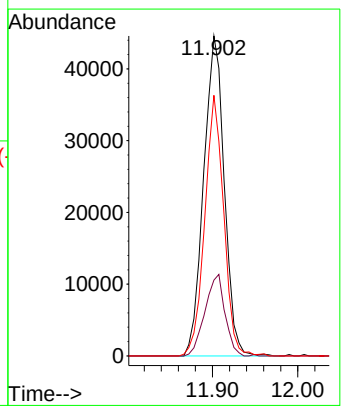
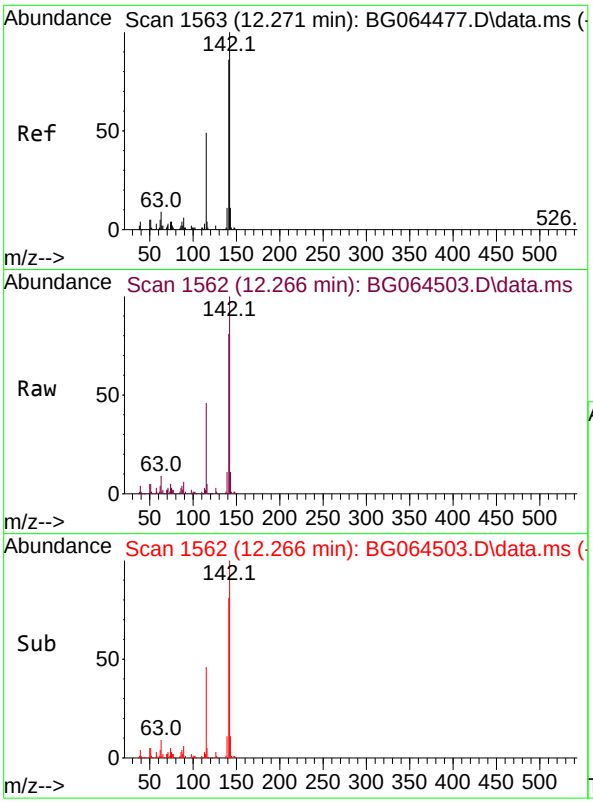


#36
4-Chloro-3-methylphenol
Concen: 54.028 ng
RT: 11.902 min Scan# 1500
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

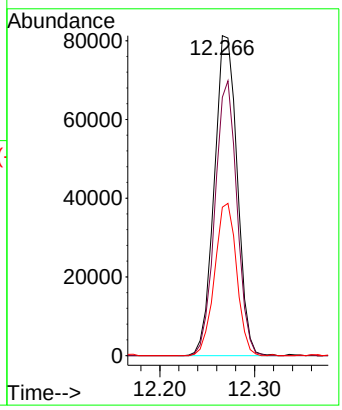




#37
2-Methylnaphthalene
Concen: 49.462 ng
RT: 12.266 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:142 Resp: 13649

Ion	Ratio	Lower	Upper
142	100		
141	80.7	68.7	103.1
115	46.4	39.3	58.9



Instrument :
BNA_G
ClientSampleId :
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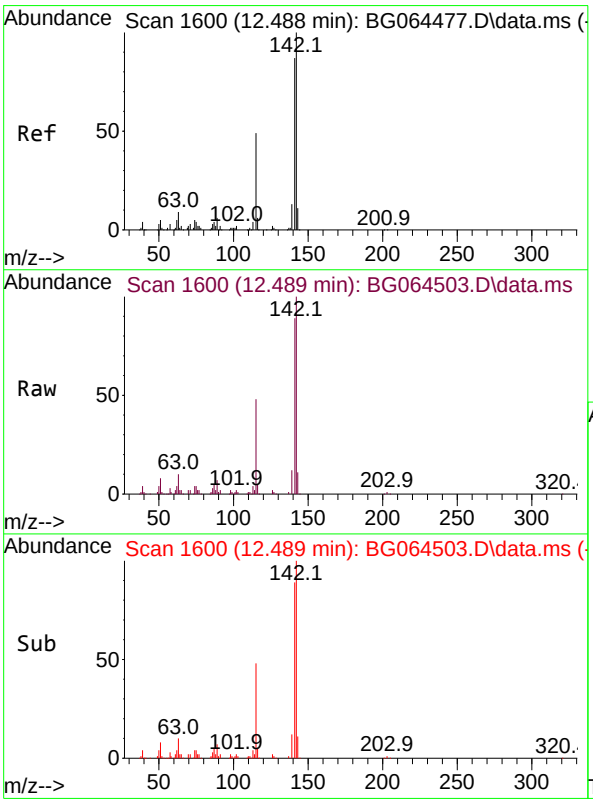
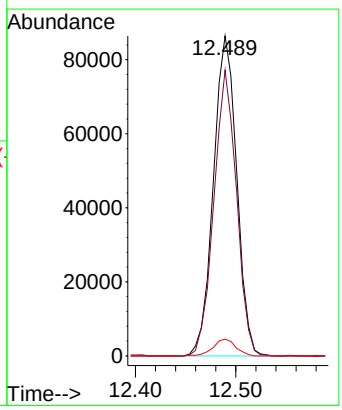
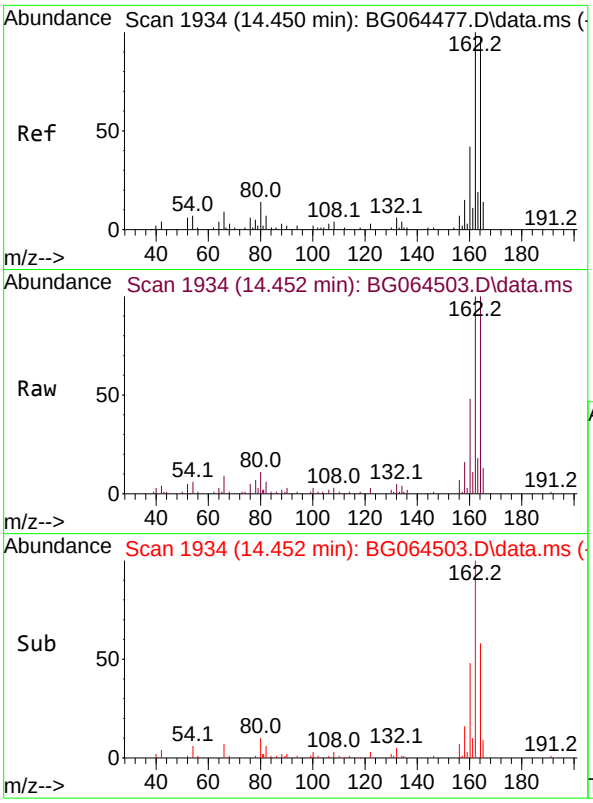


#38
1-Methylnaphthalene
Concen: 50.664 ng
RT: 12.489 min Scan# 1600
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:142 Resp: 139412

Ion	Ratio	Lower	Upper
142	100		
141	89.3	69.8	104.8
116	5.2	4.6	6.8

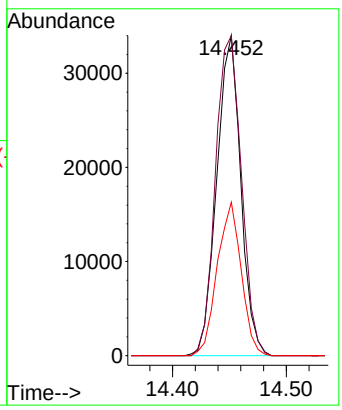




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.452 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:164 Resp: 4983

Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.2	123.2
160	48.0	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
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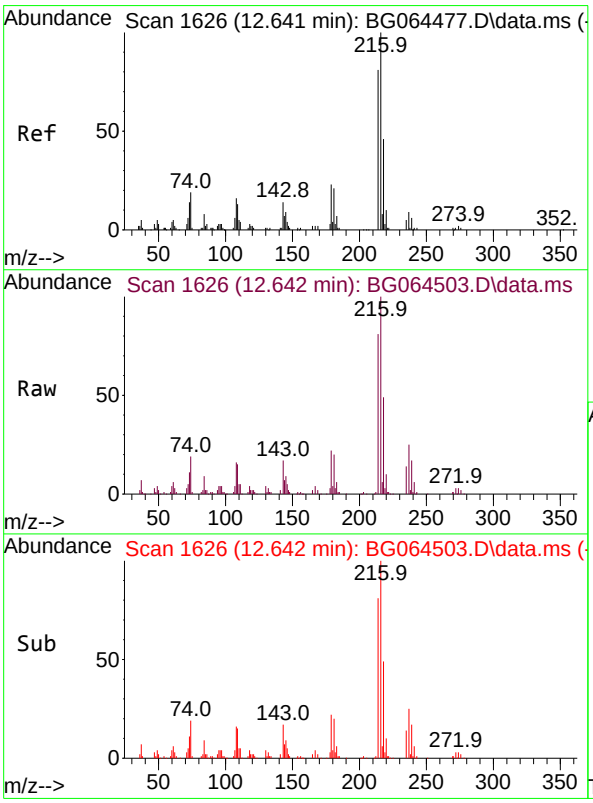
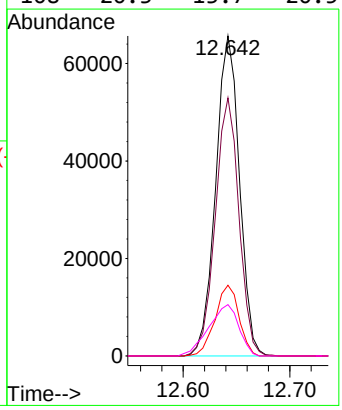
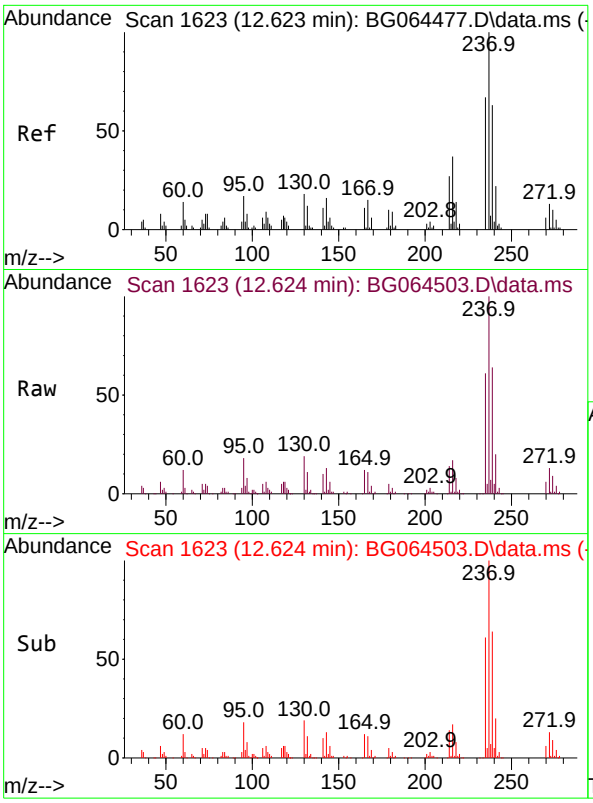


#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.258 ng
RT: 12.642 min Scan# 1626
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

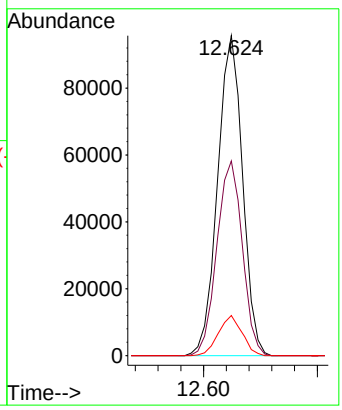




#41
Hexachlorocyclopentadiene
Concen: 172.901 ng
RT: 12.624 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:237 Resp: 14551

Ion	Ratio	Lower	Upper
237	100		
235	60.8	46.9	86.9
272	12.5	0.0	32.6



Instrument :
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ClientSampleId :
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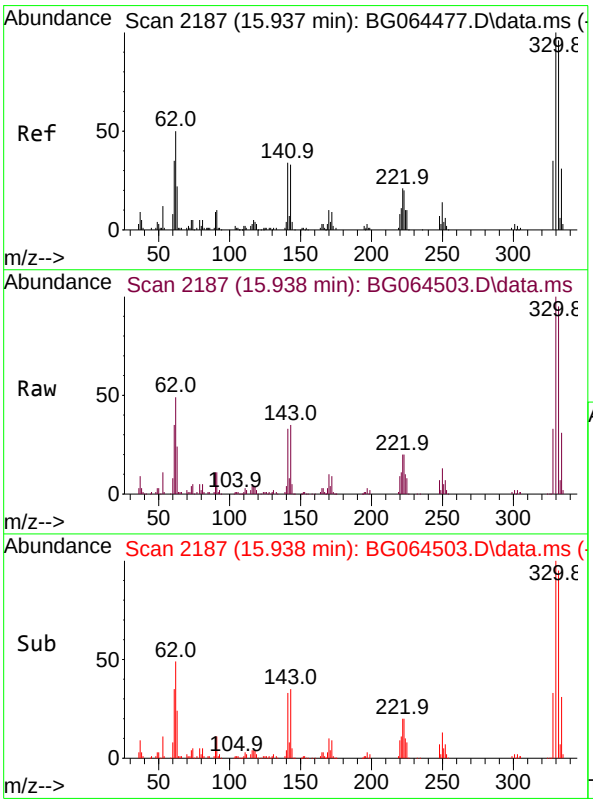
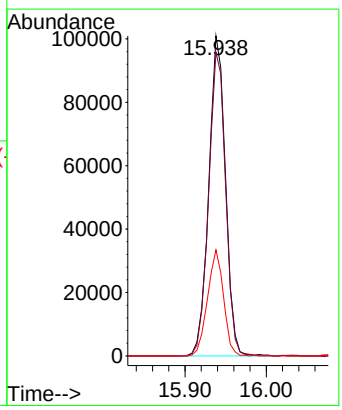
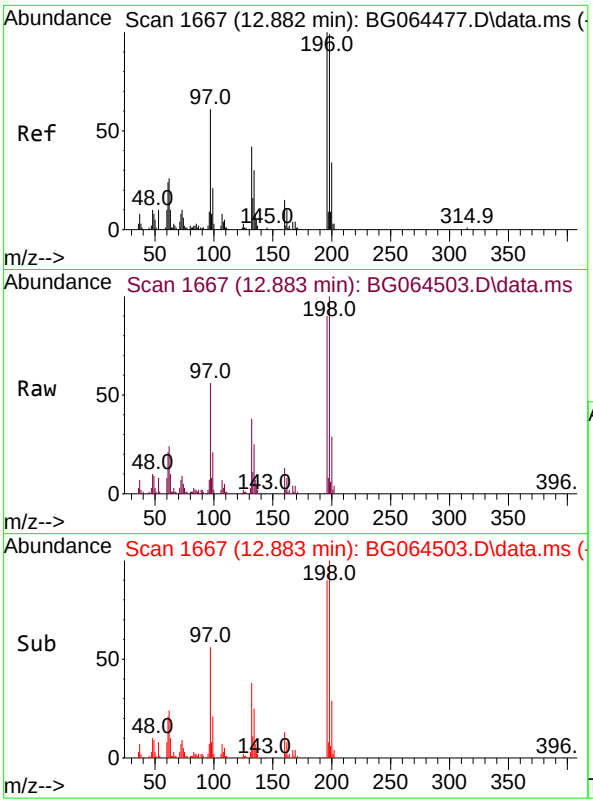


#42
2,4,6-Tribromophenol
Concen: 159.890 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:330 Resp: 144419

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.4	116.0
141	31.7	25.8	38.6

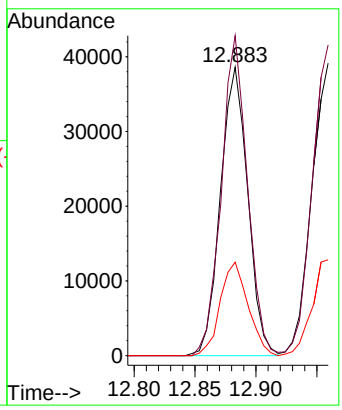




#43
2,4,6-Trichlorophenol
Concen: 58.500 ng
RT: 12.883 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:196 Resp: 6016

Ion	Ratio	Lower	Upper
196	100		
198	111.0	79.3	118.9
200	32.4	27.4	41.2



Instrument :
BNA_G
ClientSampleId :
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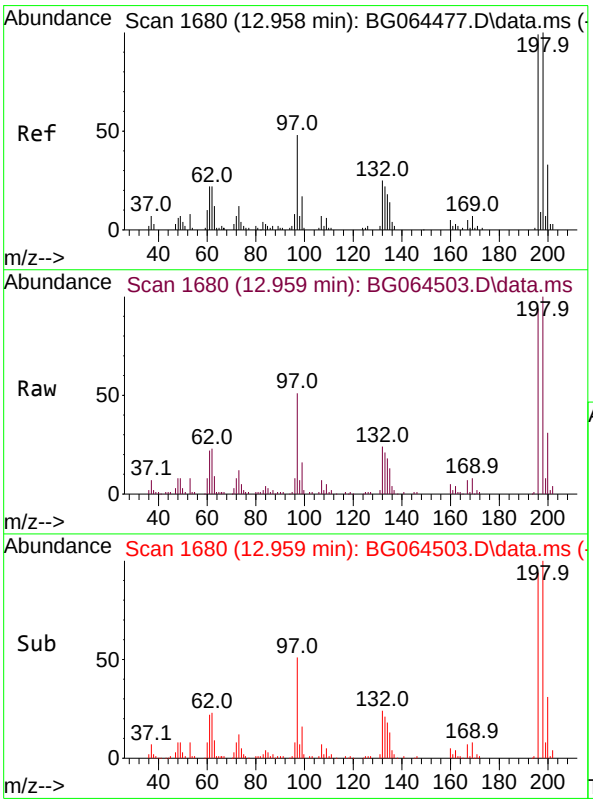
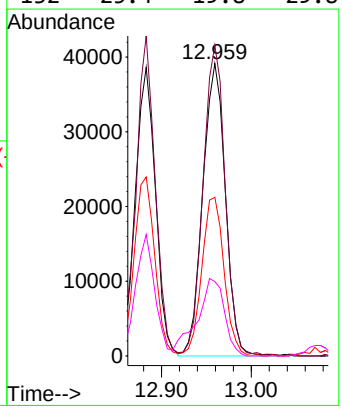
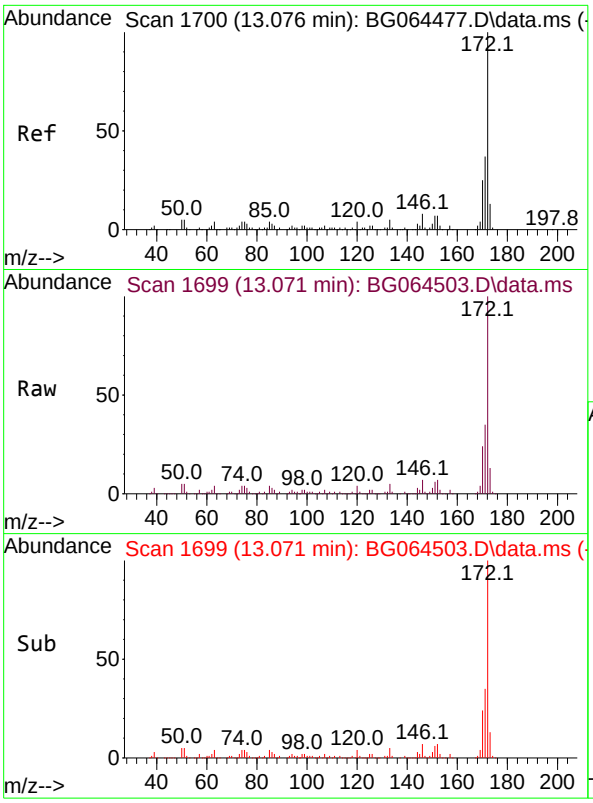


#44
2,4,5-Trichlorophenol
Concen: 59.793 ng
RT: 12.959 min Scan# 1680
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:196 Resp: 68658

Ion	Ratio	Lower	Upper
196	100		
198	106.3	80.3	120.5
97	54.3	39.4	59.0
132	25.4	19.8	29.8

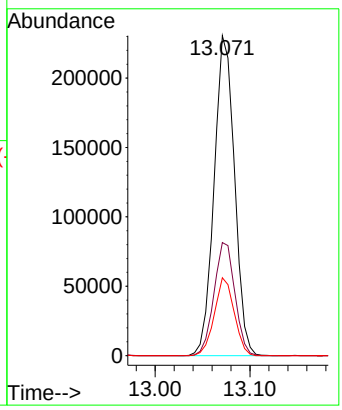




#45
2-Fluorobiphenyl
Concen: 101.873 ng
RT: 13.071 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:172 Resp: 34439

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	24.3	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
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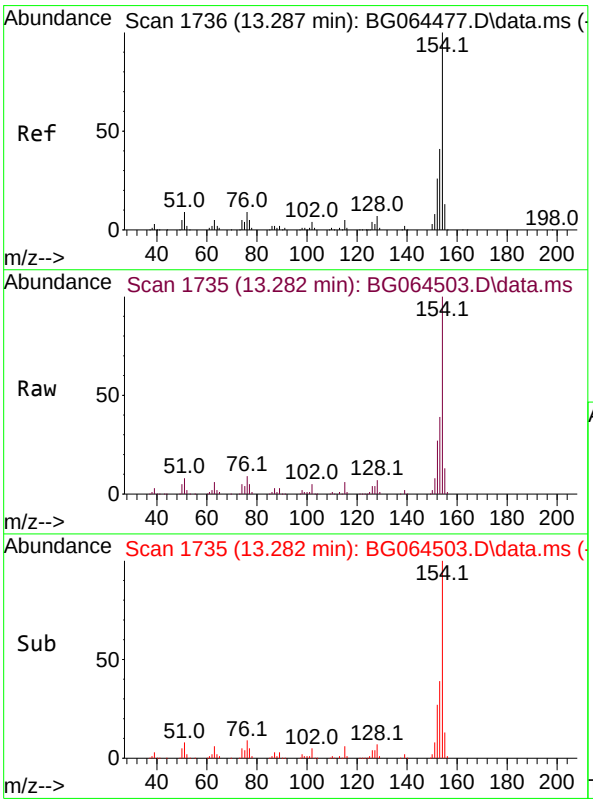
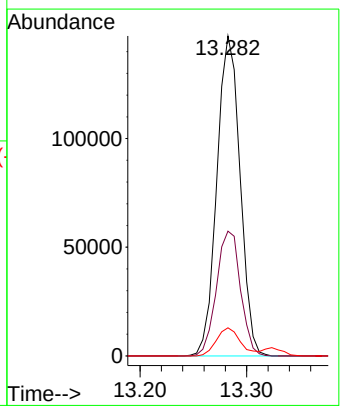
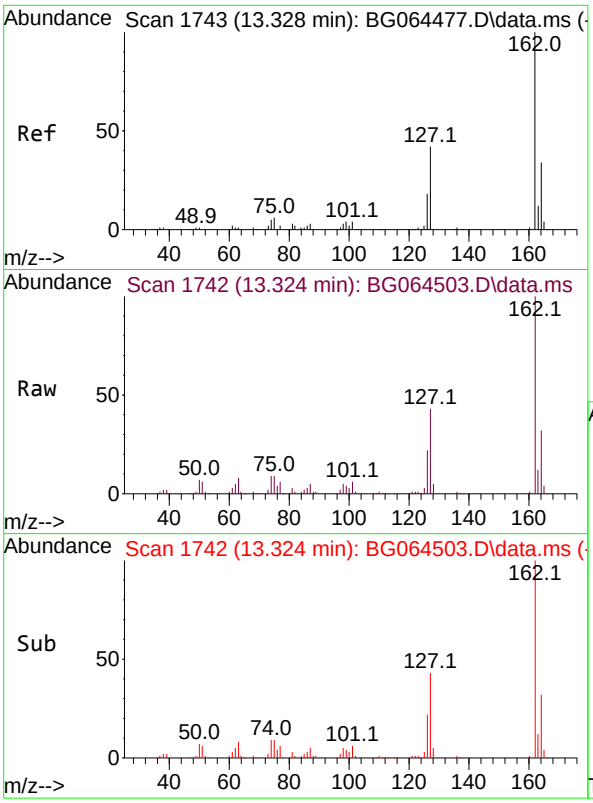


#46
1,1'-Biphenyl
Concen: 62.206 ng
RT: 13.282 min Scan# 1735
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

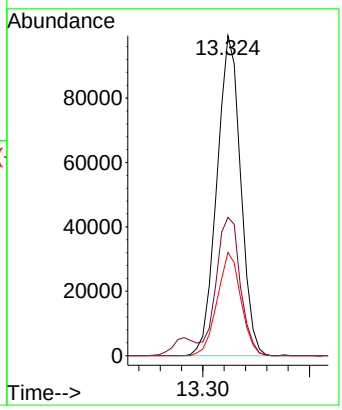




#47
2-Chloronaphthalene
Concen: 57.568 ng
RT: 13.324 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:162 Resp: 15404

Ion	Ratio	Lower	Upper
162	100		
127	43.2	35.8	53.8
164	32.2	27.2	40.8



Instrument :
BNA_G
ClientSampleId :
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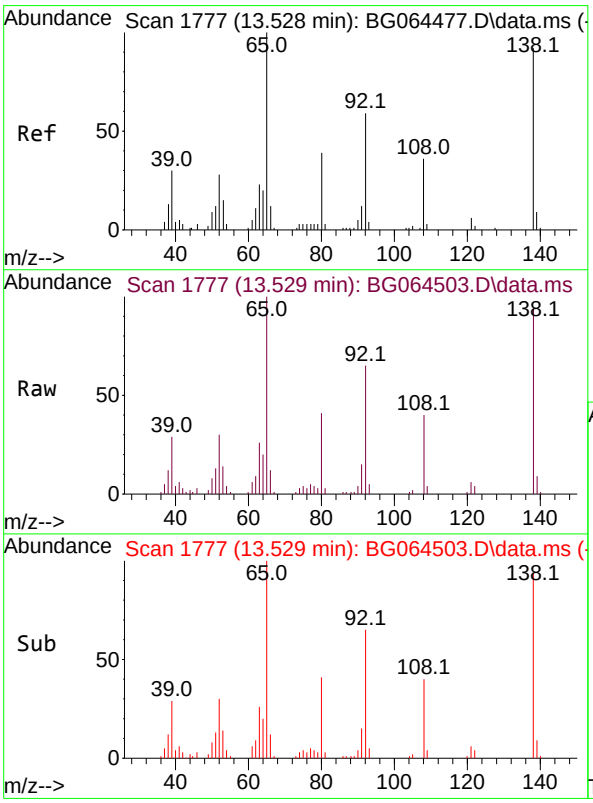
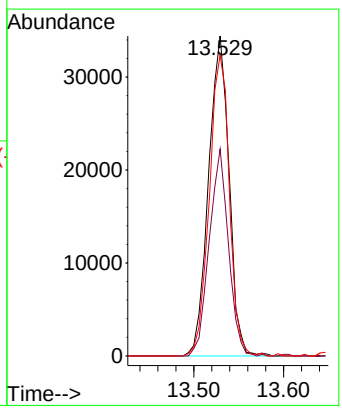
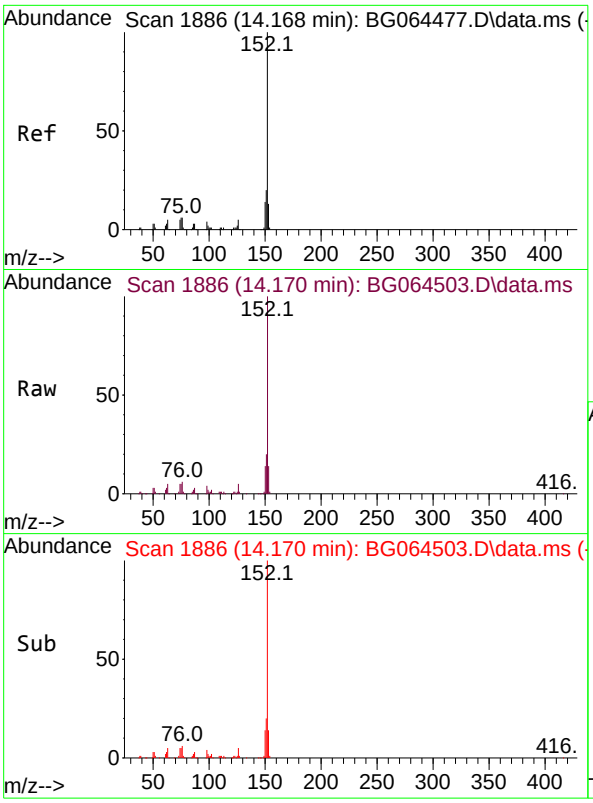


#48
2-Nitroaniline
Concen: 59.762 ng
RT: 13.529 min Scan# 1777
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

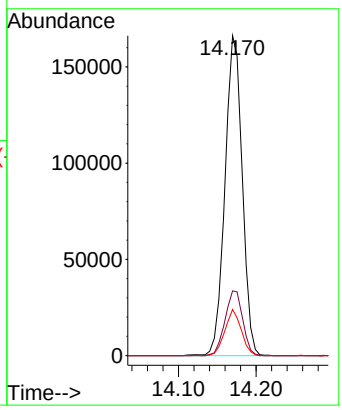




#49
Acenaphthylene
Concen: 64.841 ng
RT: 14.170 min Scan# 18
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:152 Resp: 25756

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	14.4	10.6	15.8



Instrument :
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ClientSampleId :
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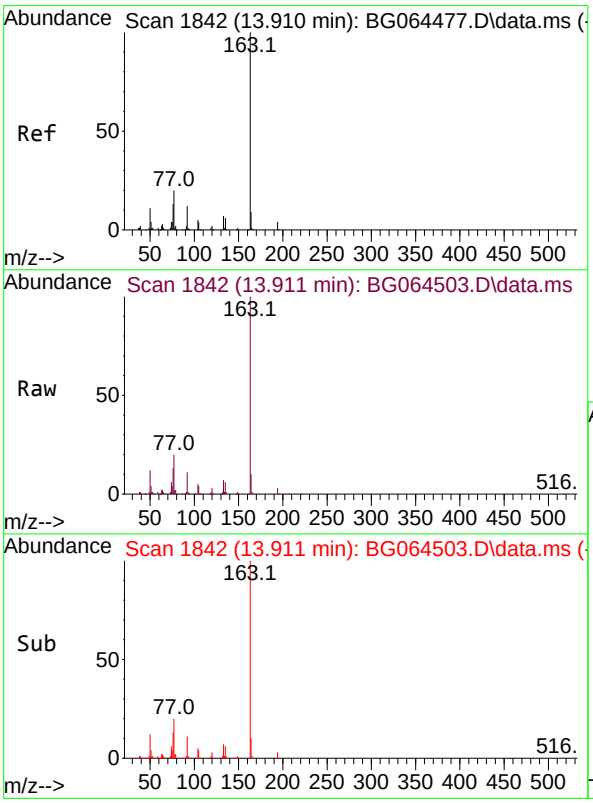
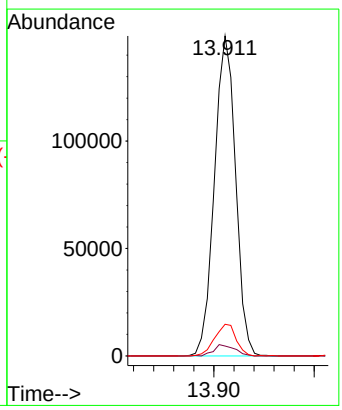
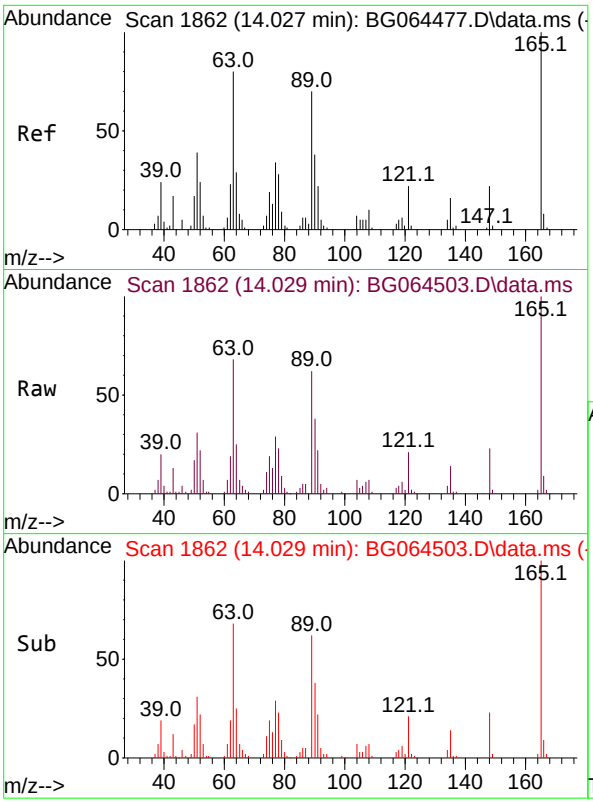


#50
Dimethylphthalate
Concen: 55.963 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

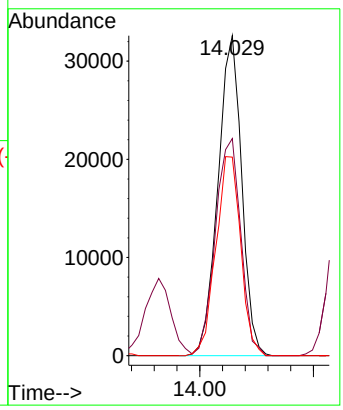




#51
2,6-Dinitrotoluene
Concen: 57.991 ng
RT: 14.029 min Scan# 18
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:165 Resp: 4714

Ion	Ratio	Lower	Upper
165	100		
63	67.8	63.9	95.9
89	62.0	56.1	84.1



Instrument :
BNA_G
ClientSampleId :
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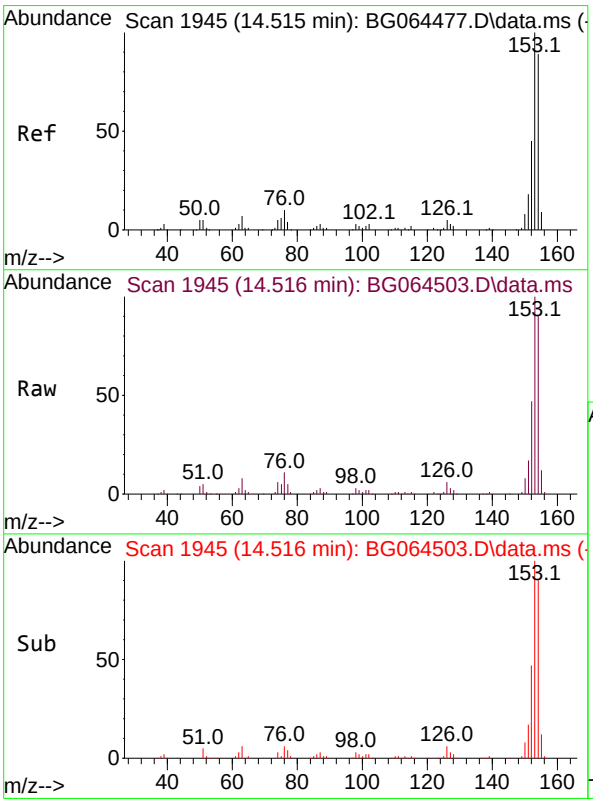
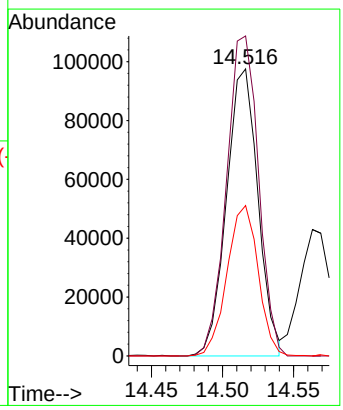
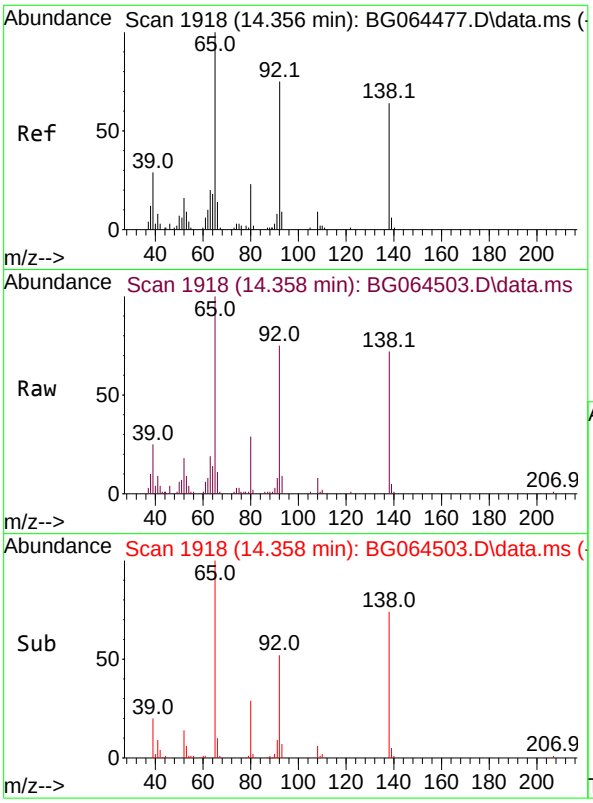


#52
Acenaphthene
Concen: 54.485 ng
RT: 14.516 min Scan# 1945
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

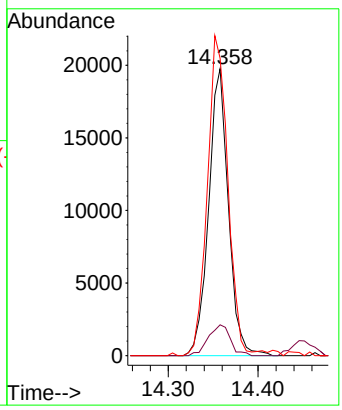




#53
3-Nitroaniline
Concen: 40.277 ng
RT: 14.358 min Scan# 19
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:138 Resp: 3019

Ion	Ratio	Lower	Upper
138	100		
108	10.7	10.6	15.8
92	103.6	93.2	139.8



Instrument :
BNA_G
ClientSampleId :
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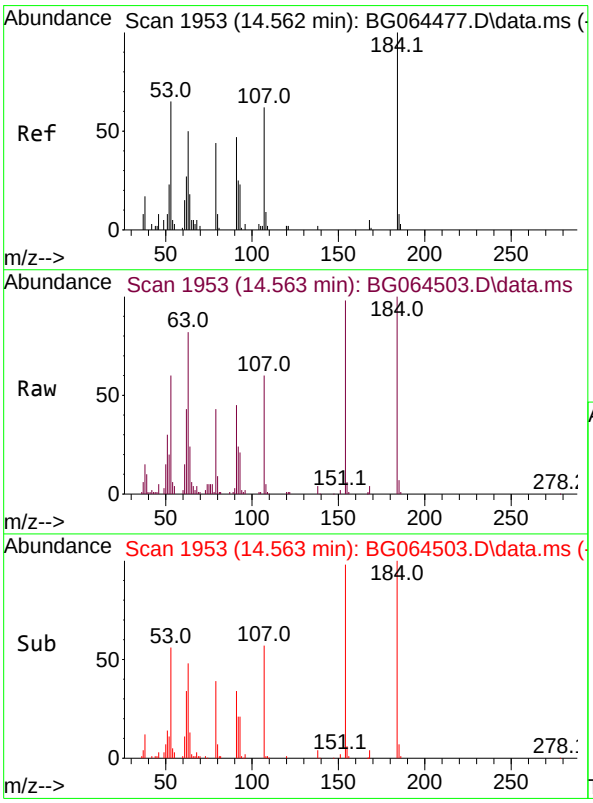
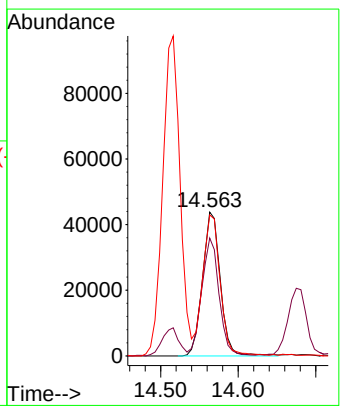
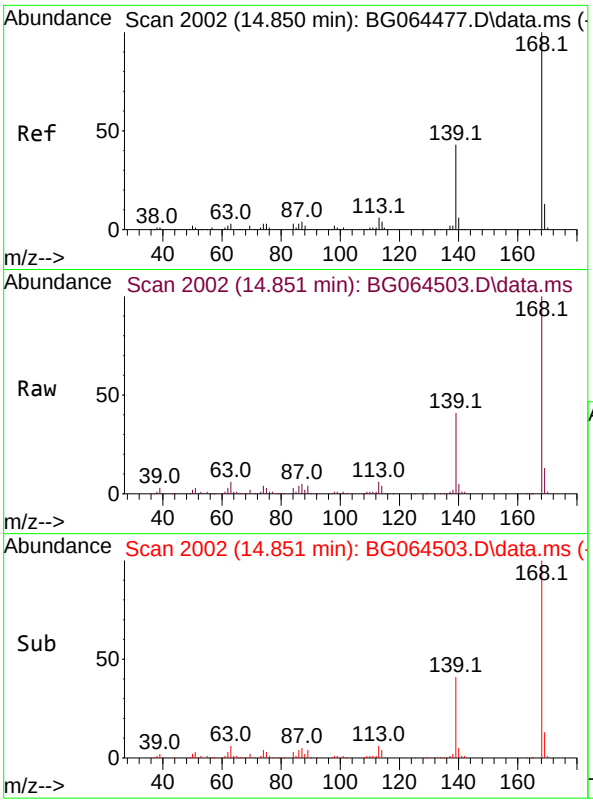


#54
2,4-Dinitrophenol
Concen: 118.598 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

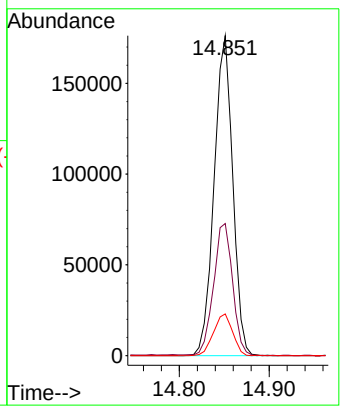




#55
Dibenzofuran
Concen: 55.977 ng
RT: 14.851 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:168 Resp: 25506

Ion	Ratio	Lower	Upper
168	100		
139	41.3	34.0	51.0
169	13.0	10.2	15.2



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

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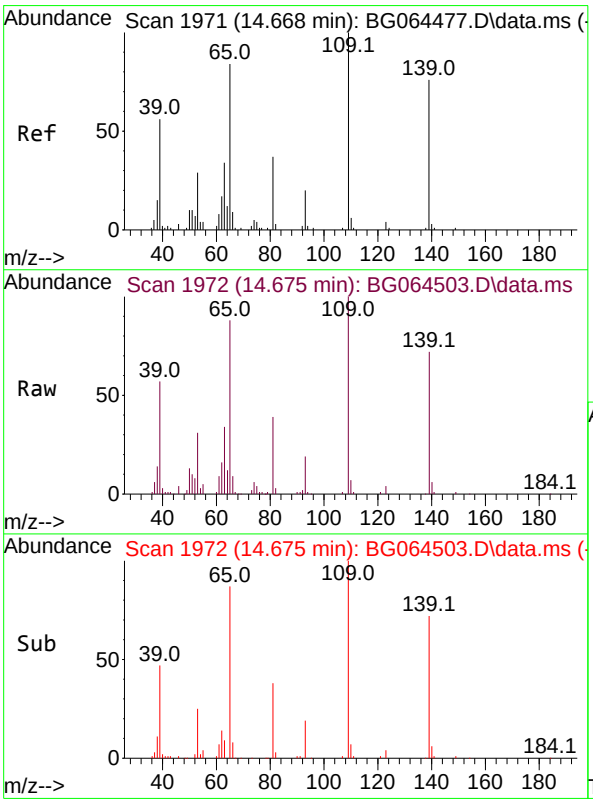
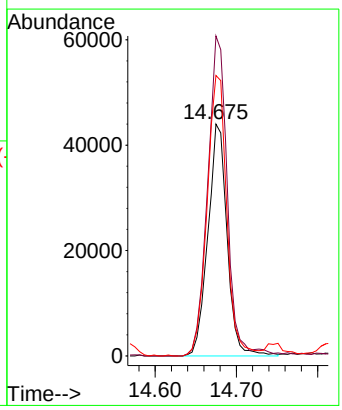
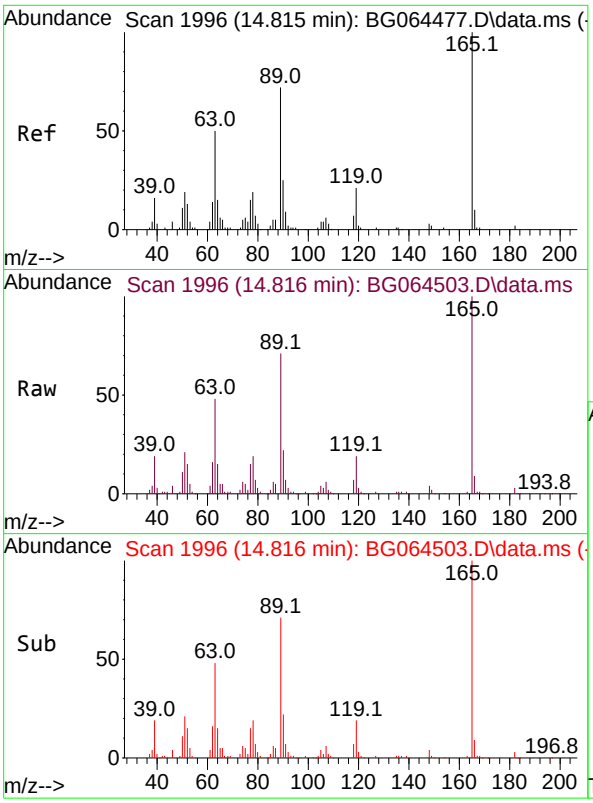


#56
4-Nitrophenol
Concen: 122.149 ng
RT: 14.675 min Scan# 1972
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

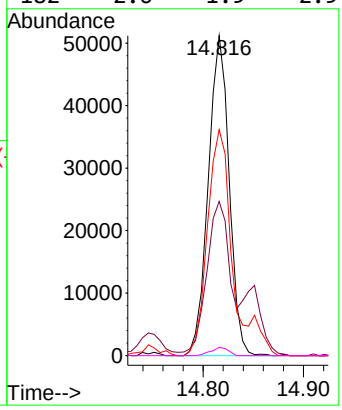




#57
2,4-Dinitrotoluene
Concen: 59.609 ng
RT: 14.816 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:165 Resp: 7408

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



Instrument :
BNA_G
ClientSampleId :
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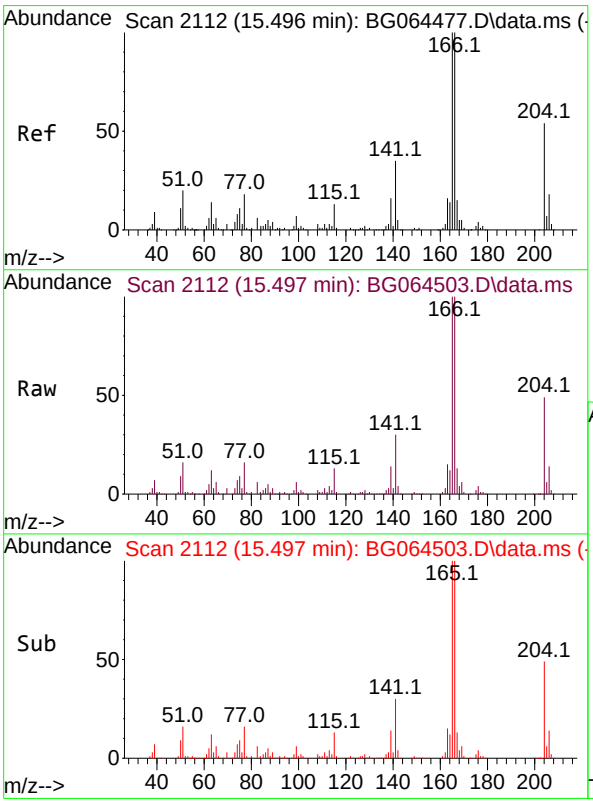
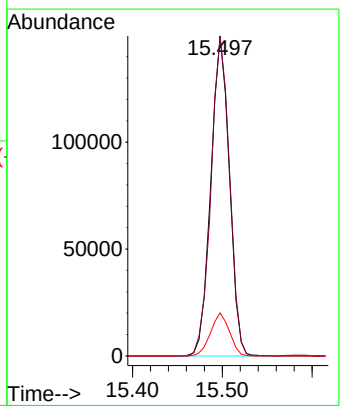
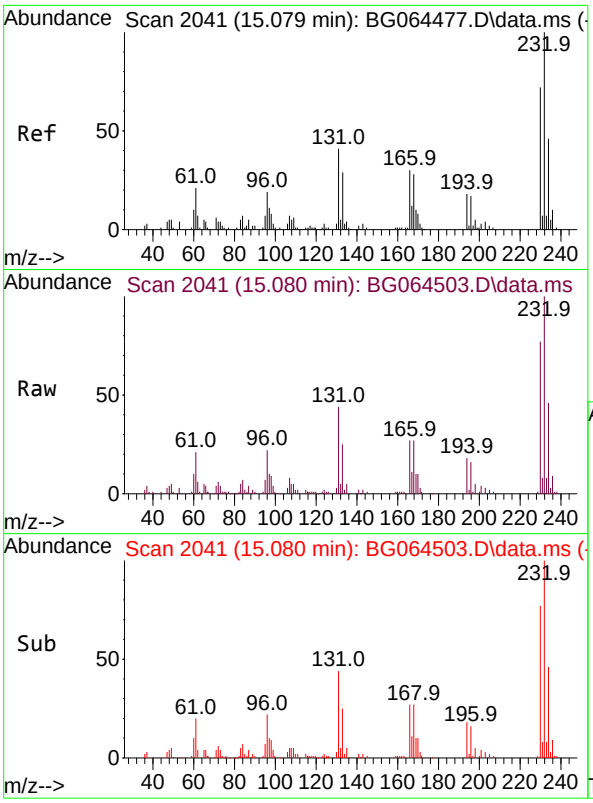


#58
Fluorene
Concen: 56.627 ng
RT: 15.497 min Scan# 2112
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

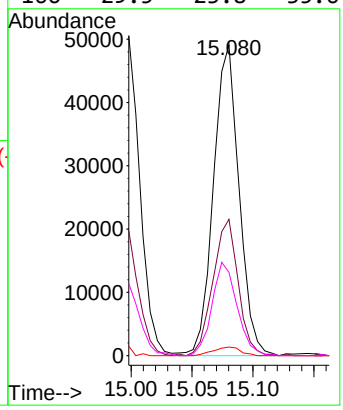




#59
2,3,4,6-Tetrachlorophenol
Concen: 61.023 ng
RT: 15.080 min Scan# 20
Delta R.T. 0.009 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:232 Resp: 7151

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



Instrument :
BNA_G
ClientSampleId :
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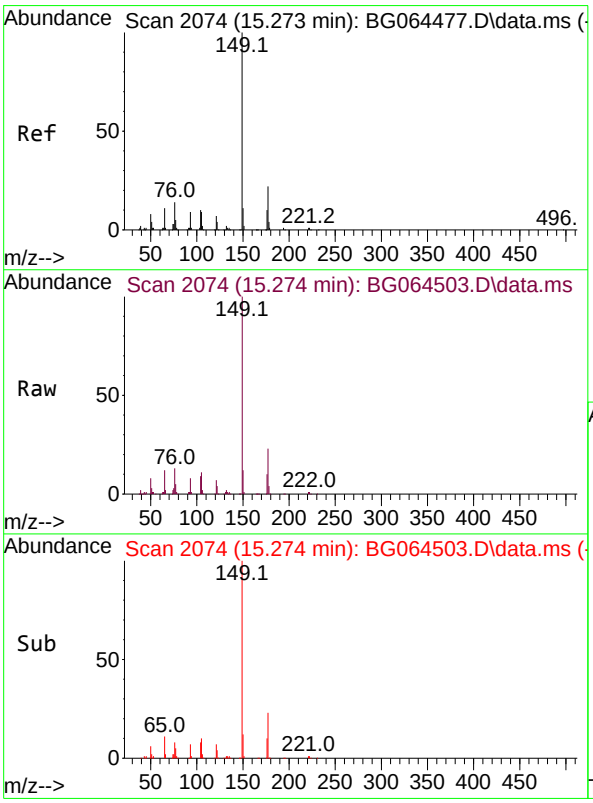
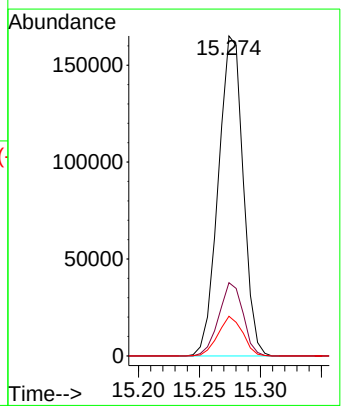
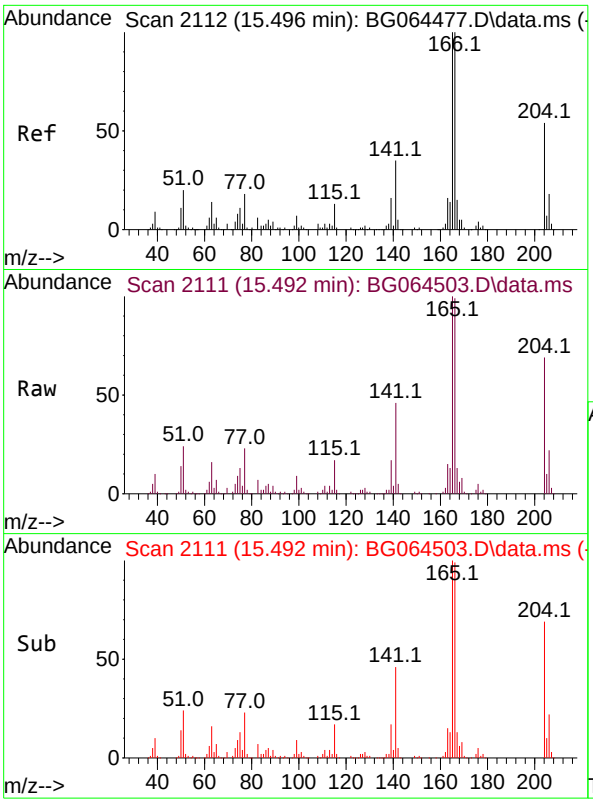


#60
Diethylphthalate
Concen: 55.662 ng
RT: 15.274 min Scan# 2074
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

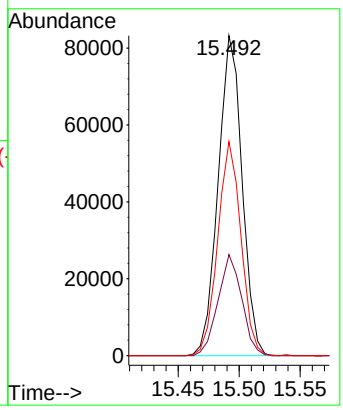




#61
4-Chlorophenyl-phenylether
Concen: 54.975 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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



Instrument :
BNA_G
ClientSampleId :
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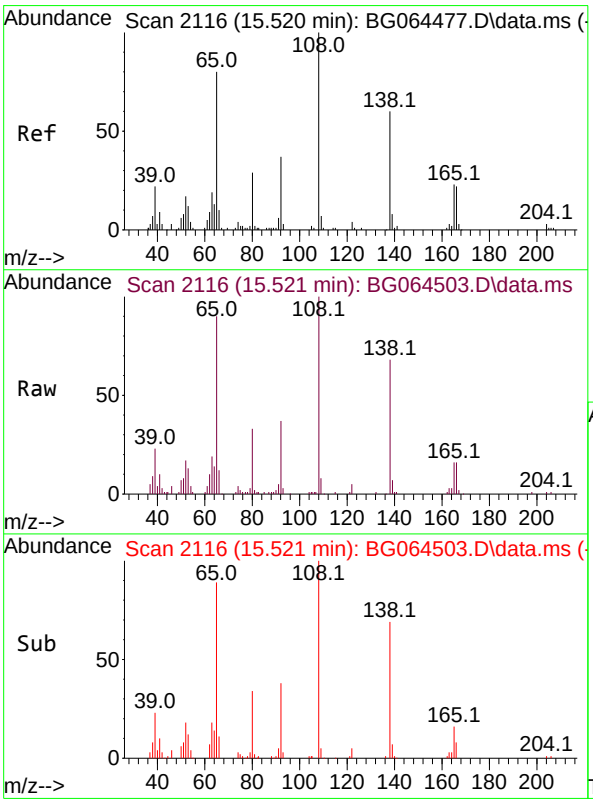
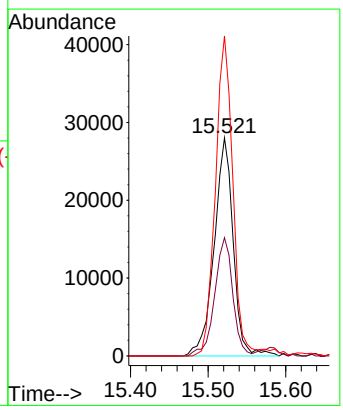
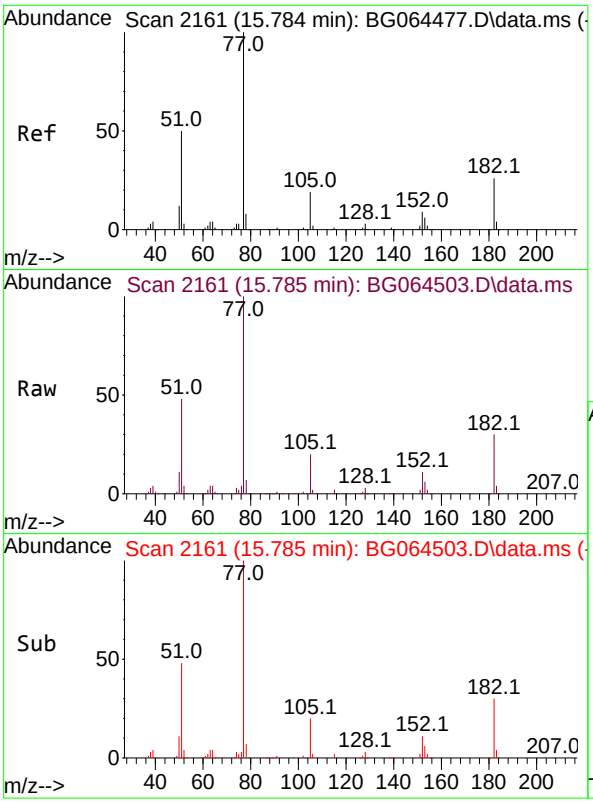


#62
4-Nitroaniline
Concen: 61.402 ng
RT: 15.521 min Scan# 2116
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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#

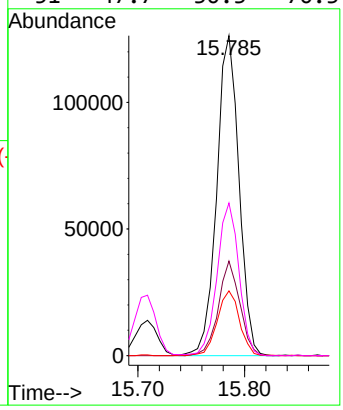




#63
Azobenzene
Concen: 56.658 ng
RT: 15.785 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

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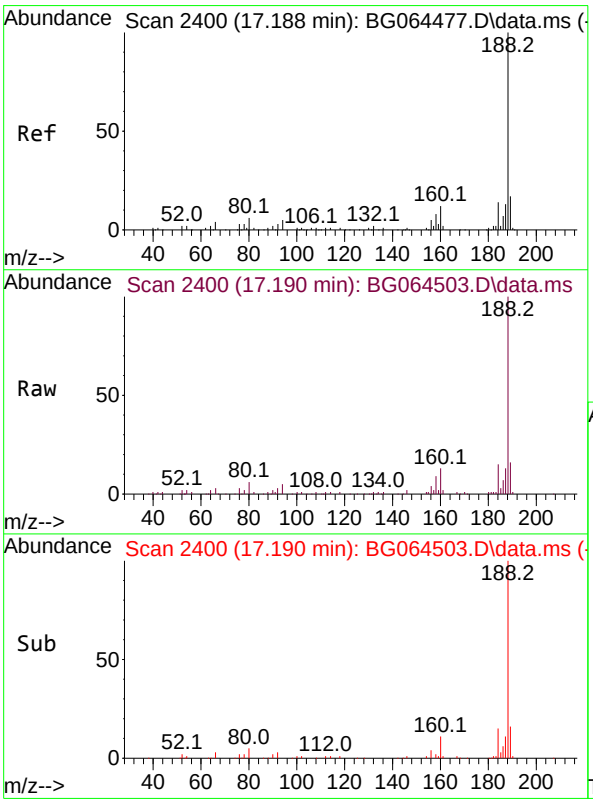
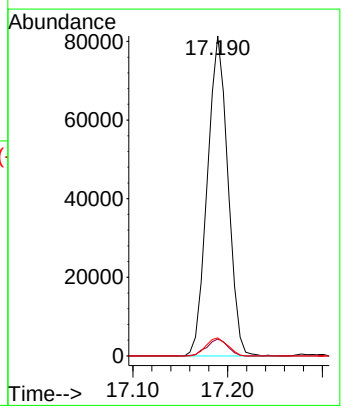
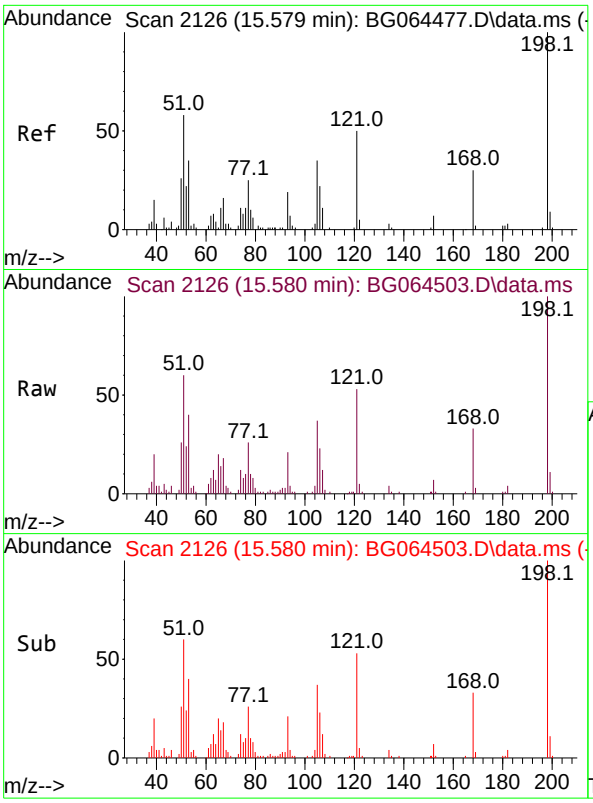


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

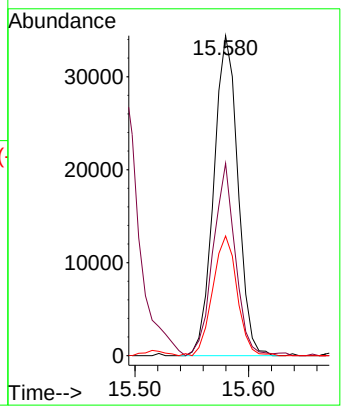




#65
4,6-Dinitro-2-methylphenol
Concen: 59.396 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:198 Resp: 5067

Ion	Ratio	Lower	Upper
198	100		
51	60.1	39.0	79.0
105	37.4	15.8	55.8



Instrument :
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ClientSampleId :
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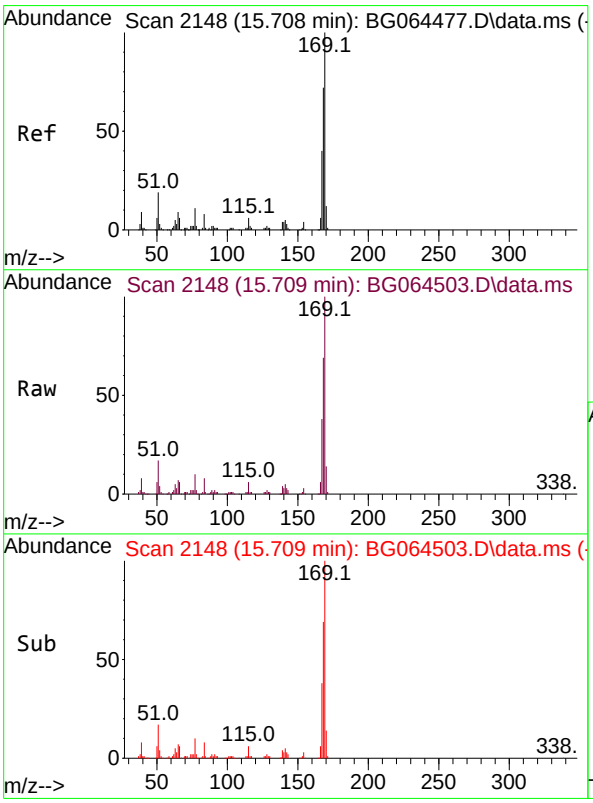
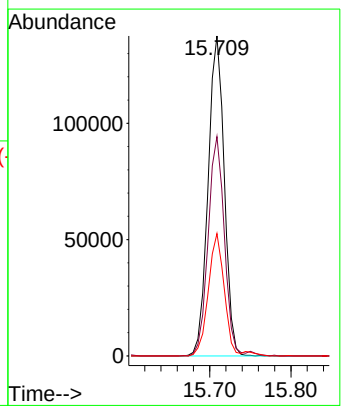
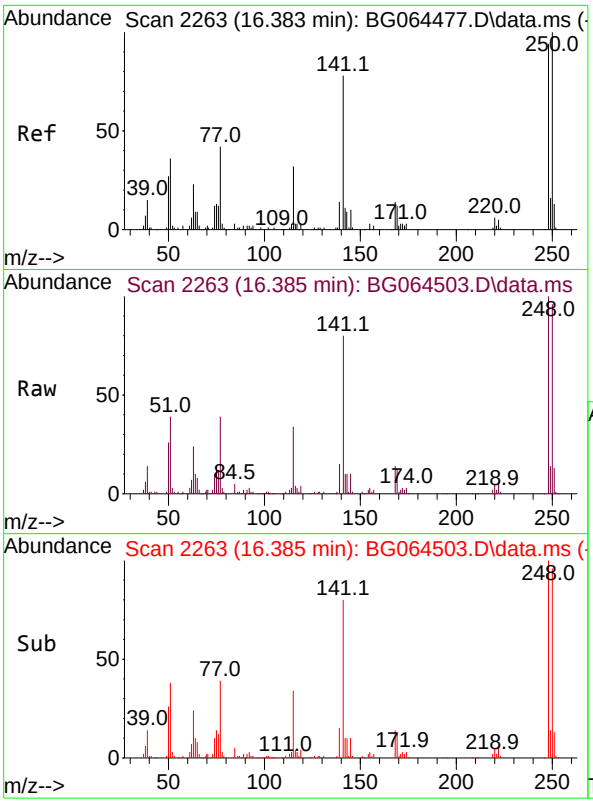


#66
n-Nitrosodiphenylamine
Concen: 58.255 ng
RT: 15.709 min Scan# 2148
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

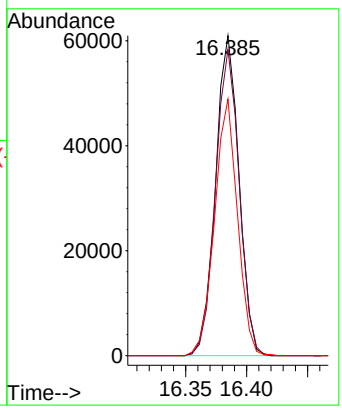




#67
4-Bromophenyl-phenylether
Concen: 56.621 ng
RT: 16.385 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:248 Resp: 8163

Ion	Ratio	Lower	Upper
248	100		
250	95.7	85.3	127.9
141	80.1	66.2	99.2



Instrument :
BNA_G
ClientSampleId :
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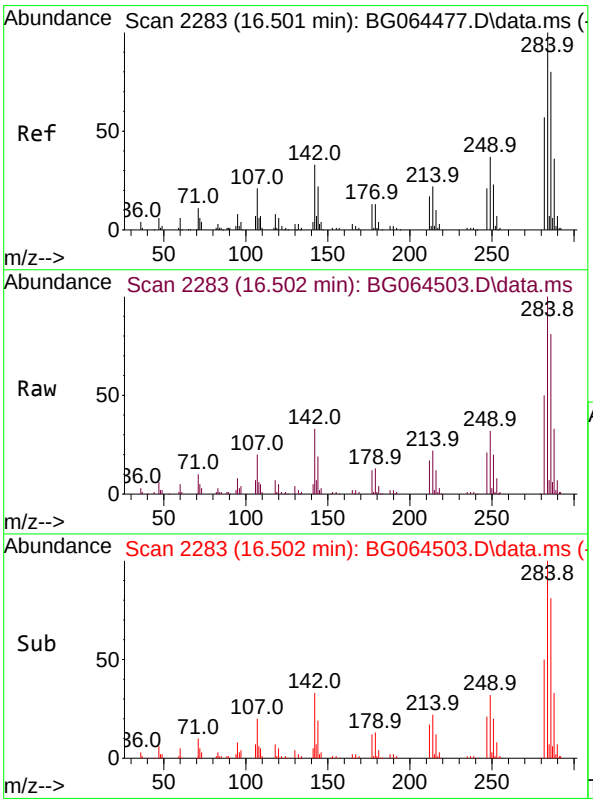
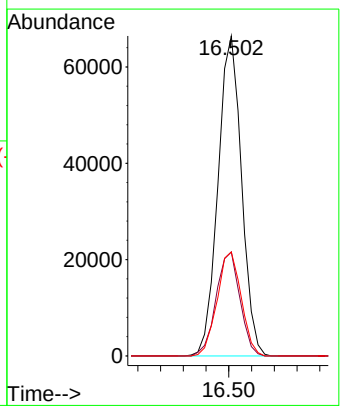
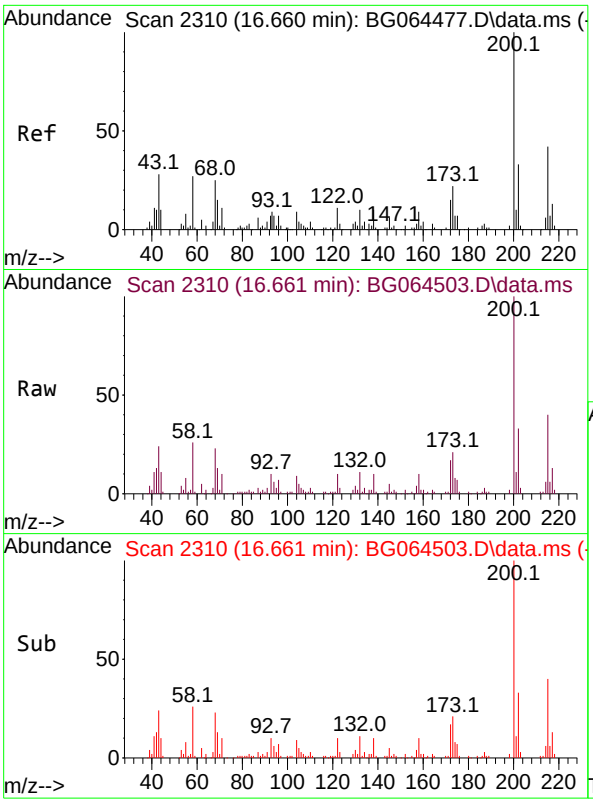


#68
Hexachlorobenzene
Concen: 57.793 ng
RT: 16.502 min Scan# 2283
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

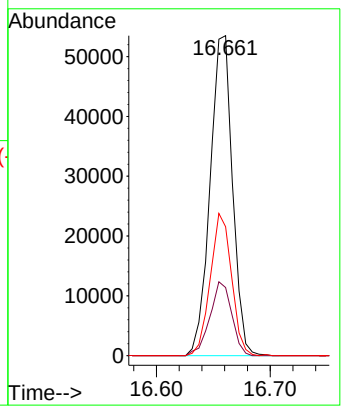




#69
Atrazine
Concen: 50.259 ng
RT: 16.661 min Scan# 2
Delta R.T. 0.009 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:200 Resp: 7316

Ion	Ratio	Lower	Upper
200	100		
173	21.3	2.5	42.5
215	40.3	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
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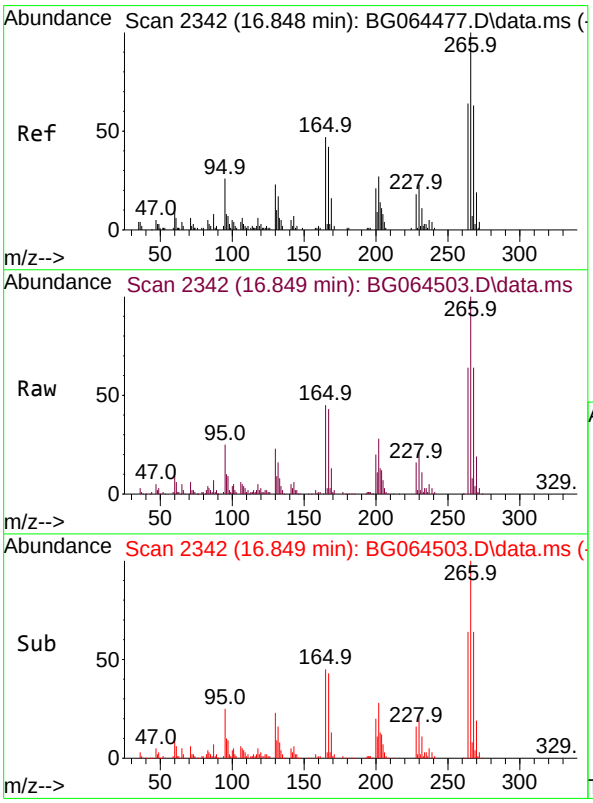
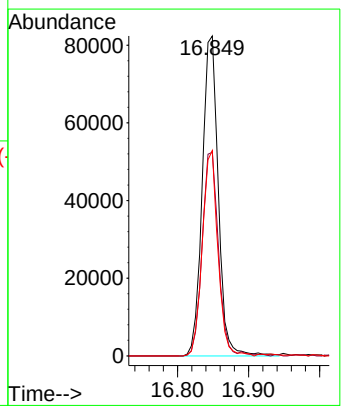
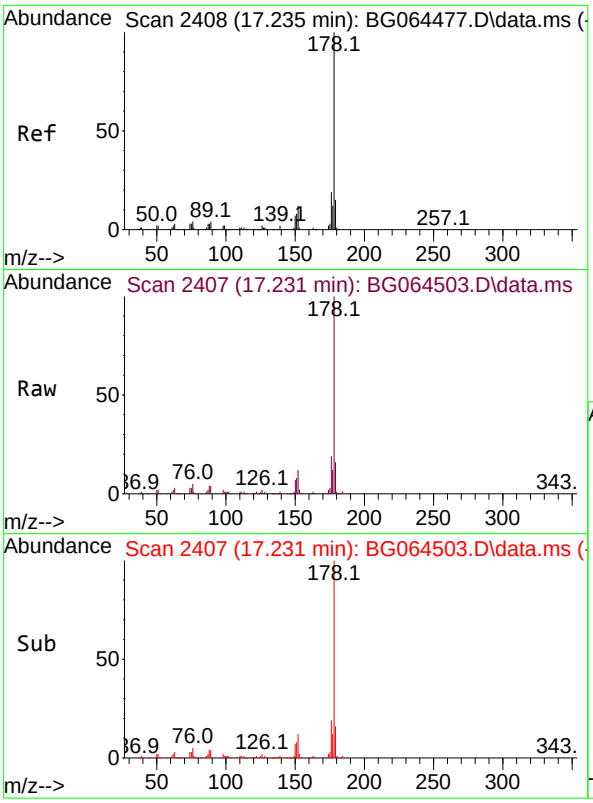


#70
Pentachlorophenol
Concen: 133.084 ng
RT: 16.849 min Scan# 2342
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

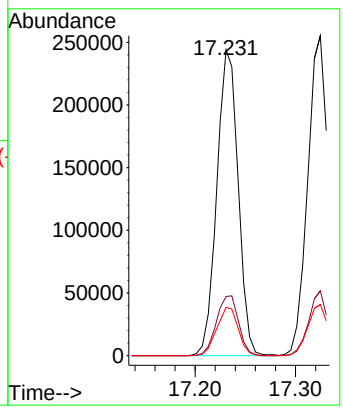




#71
Phenanthrene
Concen: 56.272 ng
RT: 17.231 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

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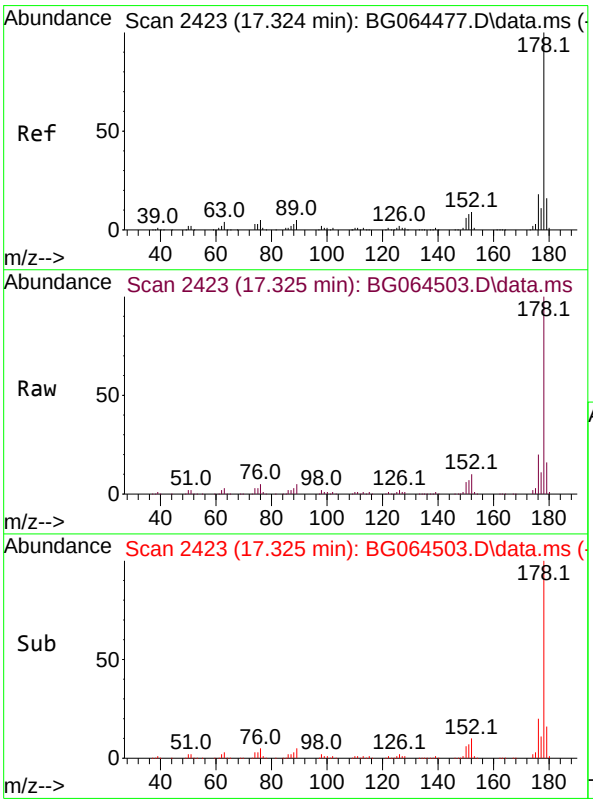
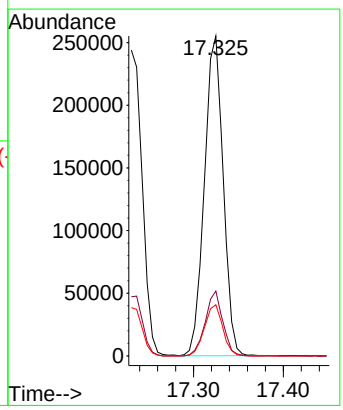
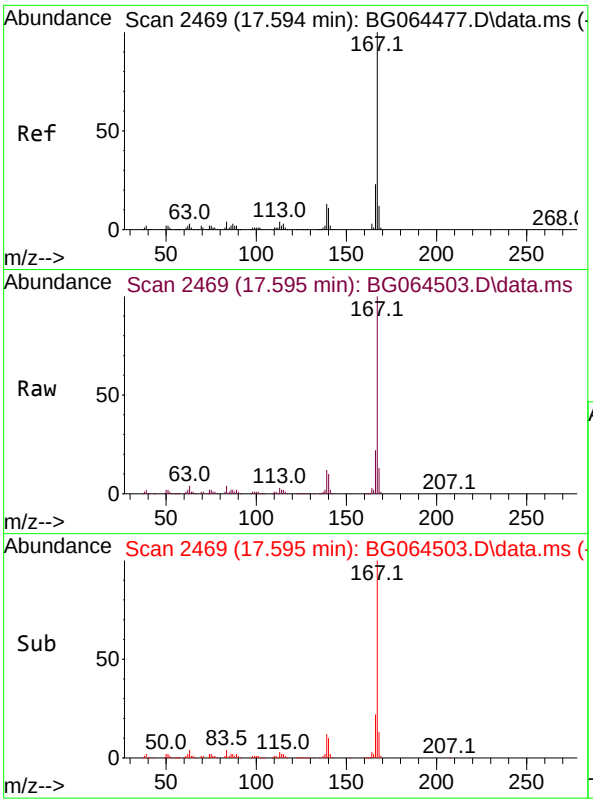


#72
Anthracene
Concen: 57.540 ng
RT: 17.325 min Scan# 2423
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

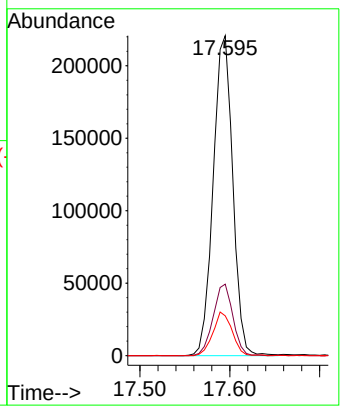




#73
Carbazole
Concen: 60.450 ng
RT: 17.595 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:167 Resp: 33587

Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.6	27.8
139	12.4	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
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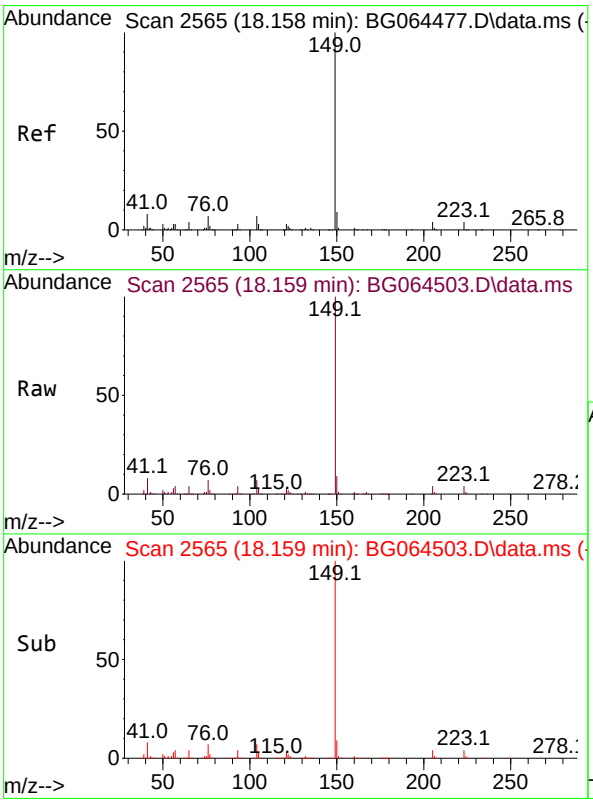
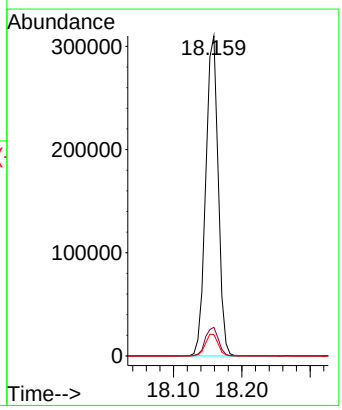
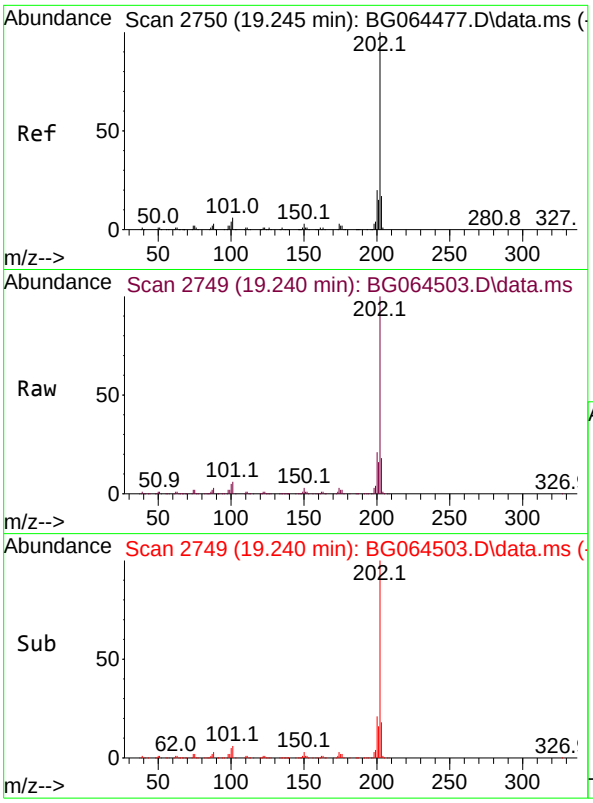


#74
Di-n-butylphthalate
Concen: 58.022 ng
RT: 18.159 min Scan# 2565
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

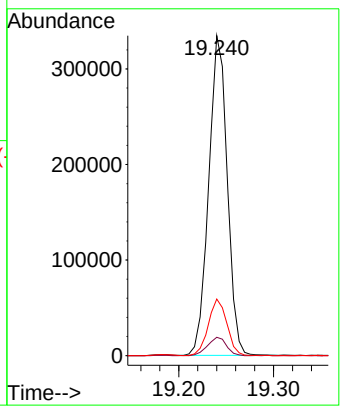




#75
Fluoranthene
Concen: 59.583 ng
RT: 19.240 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:202 Resp: 45608

Ion	Ratio	Lower	Upper
202	100		
101	5.7	0.0	25.7
203	17.7	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
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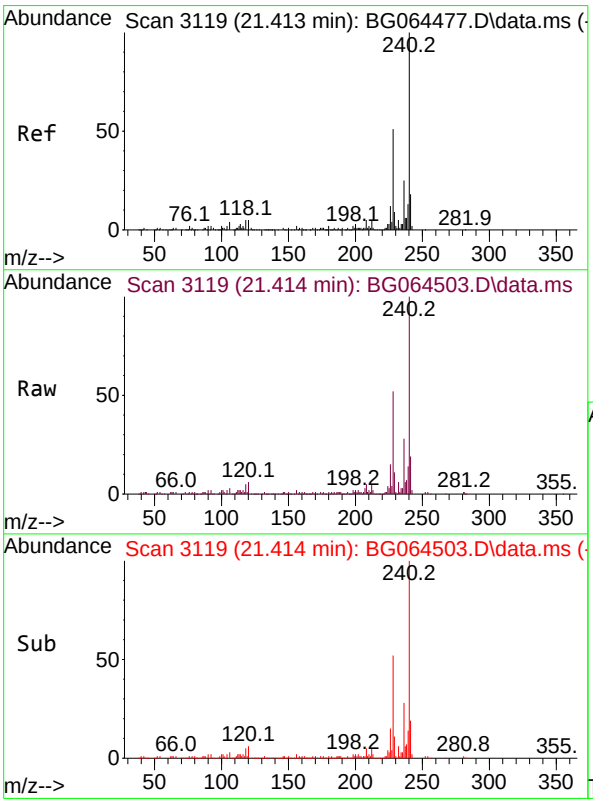
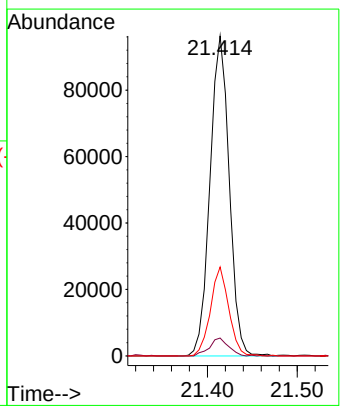
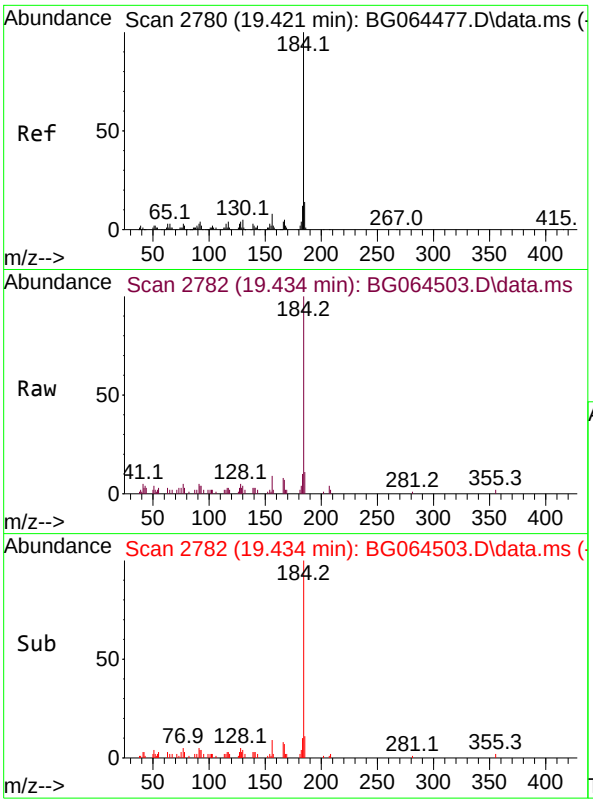


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.414 min Scan# 3119
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:240 Resp: 143332

Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.3	6.5
236	27.8	20.4	30.6

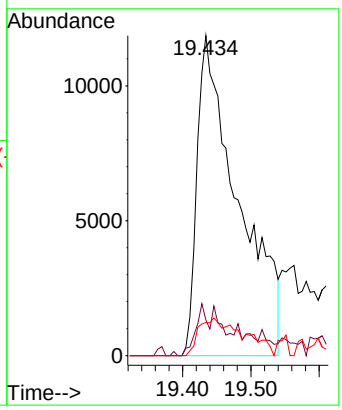




#77
Benzidine
Concen: 13.885 ng
RT: 19.434 min Scan# 2
Delta R.T. 0.009 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:184 Resp: 4952

Ion	Ratio	Lower	Upper
184	100		
185	11.1	10.9	16.3
183	10.3	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
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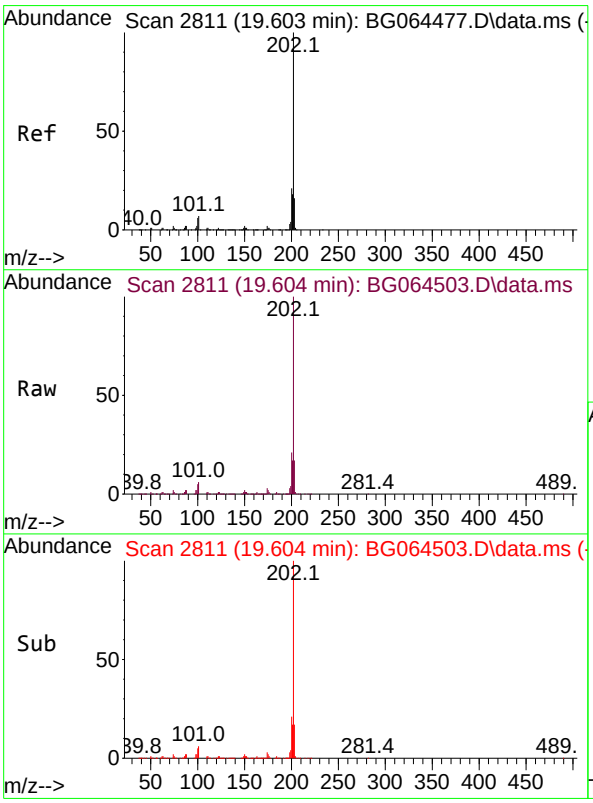
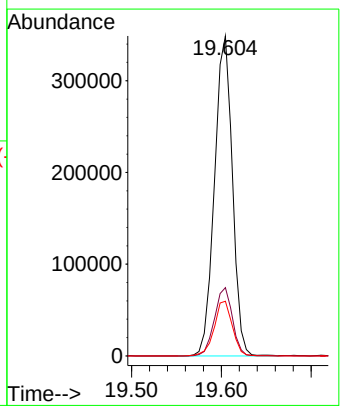
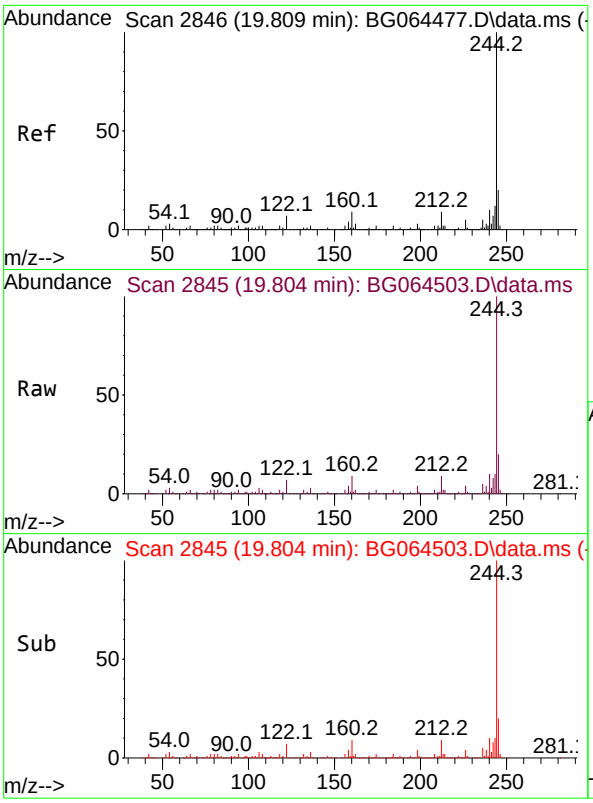


#78
Pyrene
Concen: 51.982 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:202 Resp: 483530

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.1	13.0	19.4

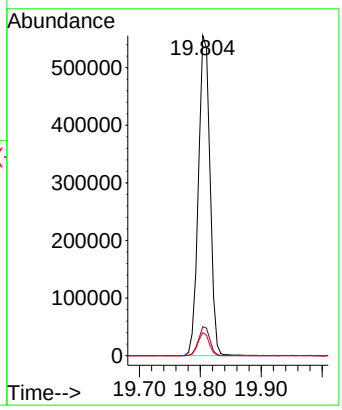




#79
Terphenyl-d14
Concen: 97.239 ng
RT: 19.804 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:244 Resp: 73645

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.0	10.6
122	7.2	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

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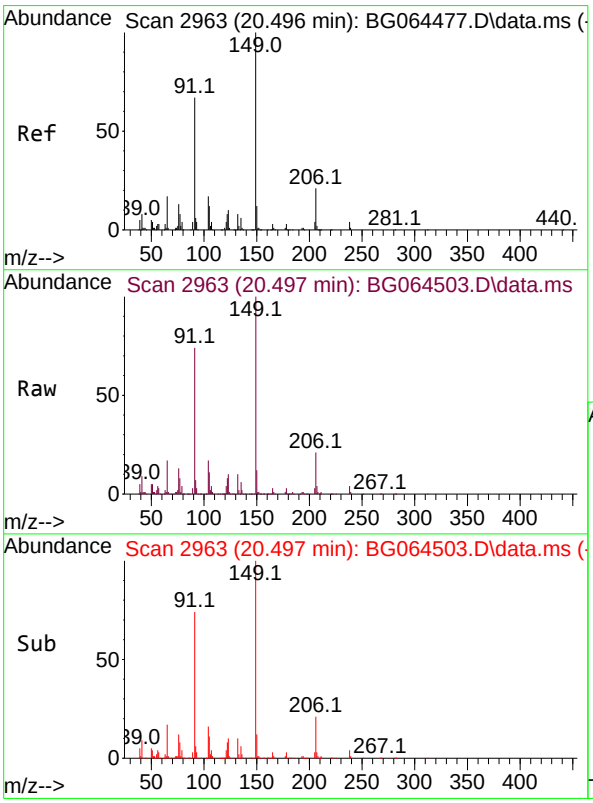
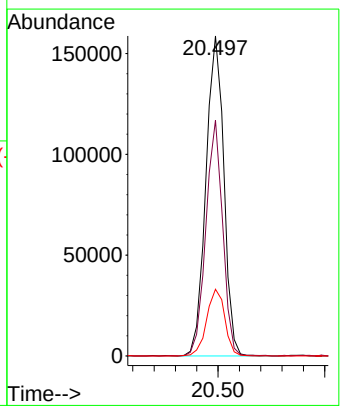
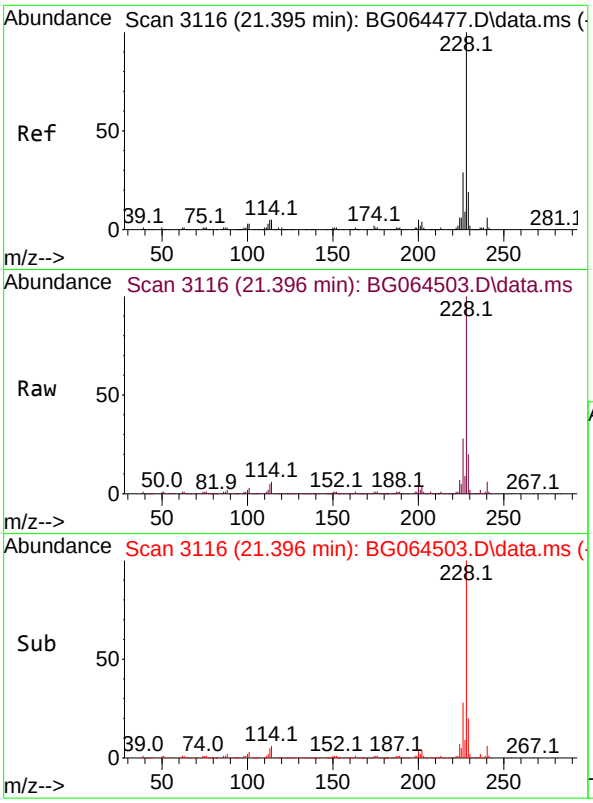


#80
Butylbenzylphthalate
Concen: 56.136 ng
RT: 20.497 min Scan# 2963
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

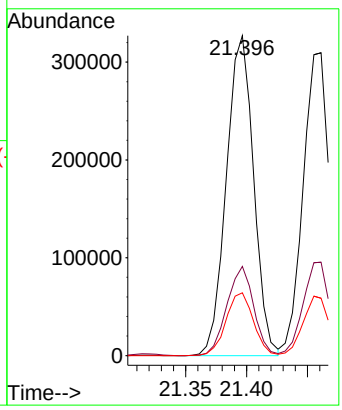




#81
Benzo(a)anthracene
Concen: 55.743 ng
RT: 21.396 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:228 Resp: 5101

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.8	34.2
229	19.6	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

Manual Integrations
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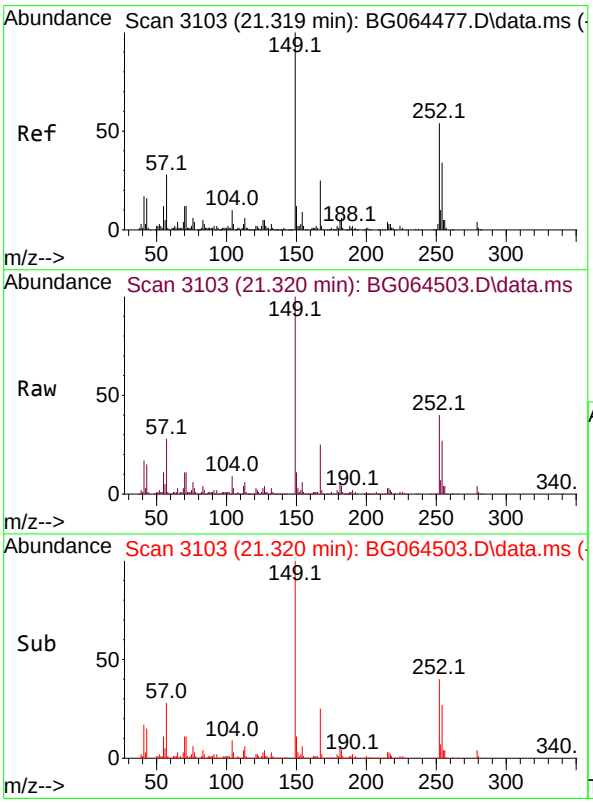
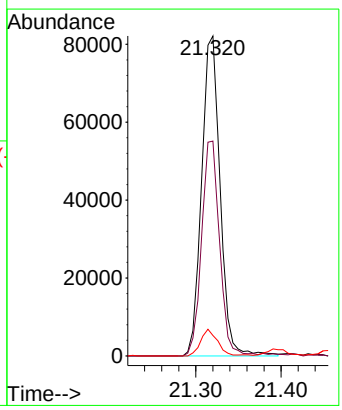
Reviewed By :Jagrut Upadhyay 10/15/2025
Supervised By :mohammad ahmed 10/17/2025

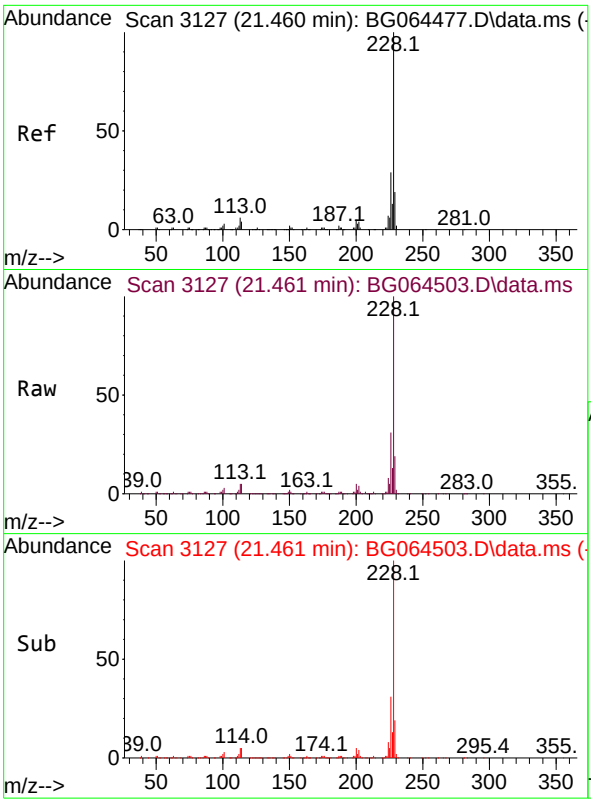


#82
3,3'-Dichlorobenzidine
Concen: 39.940 ng
RT: 21.320 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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#

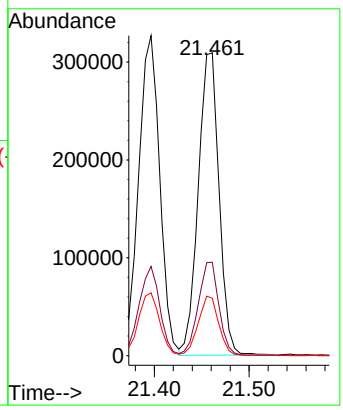




#83
Chrysene
Concen: 54.348 ng
RT: 21.461 min Scan# 31
Delta R.T. 0.010 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:228 Resp: 47170

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.8	34.2
229	18.9	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

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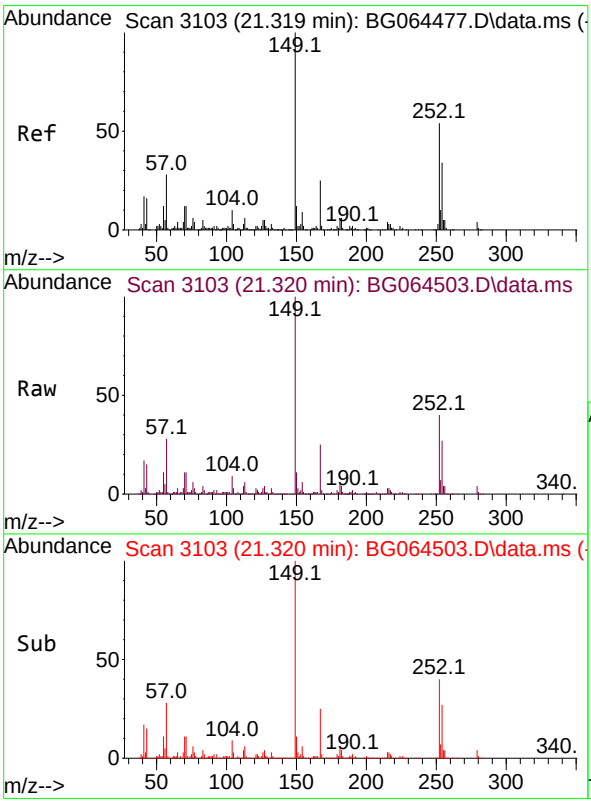
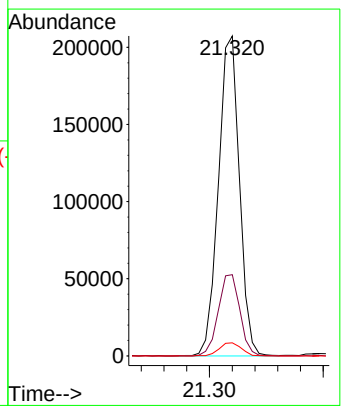
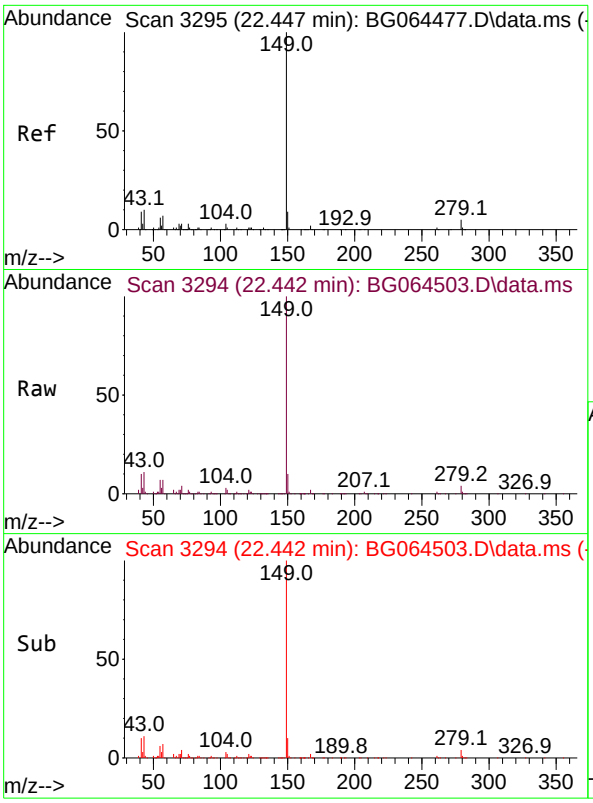


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.137 ng
RT: 21.320 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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# 3
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:149 Resp: 45184

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	10.2	7.9	11.9

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

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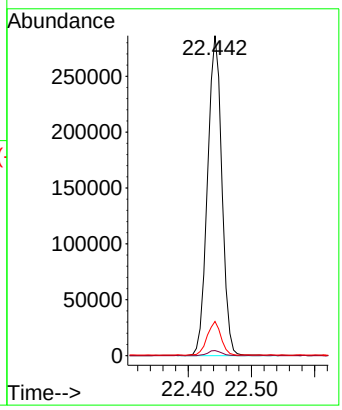
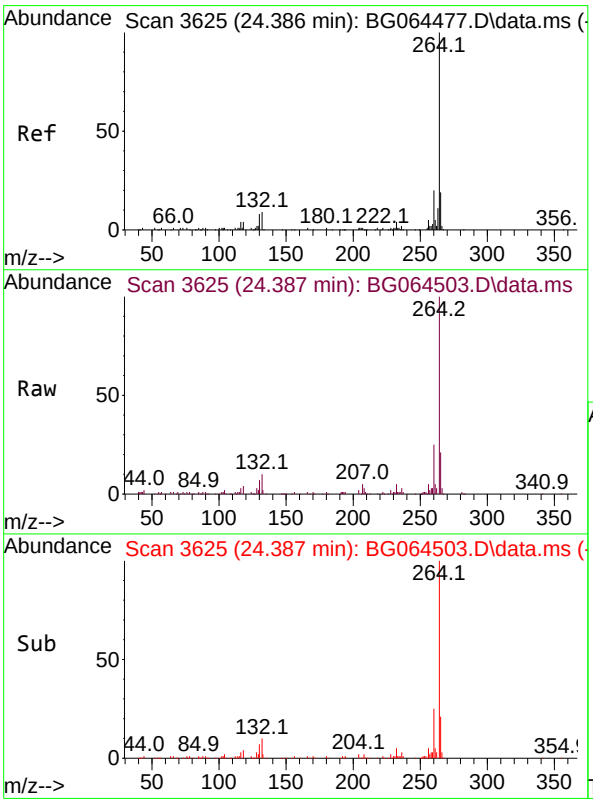
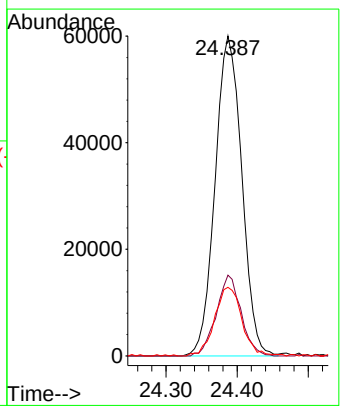


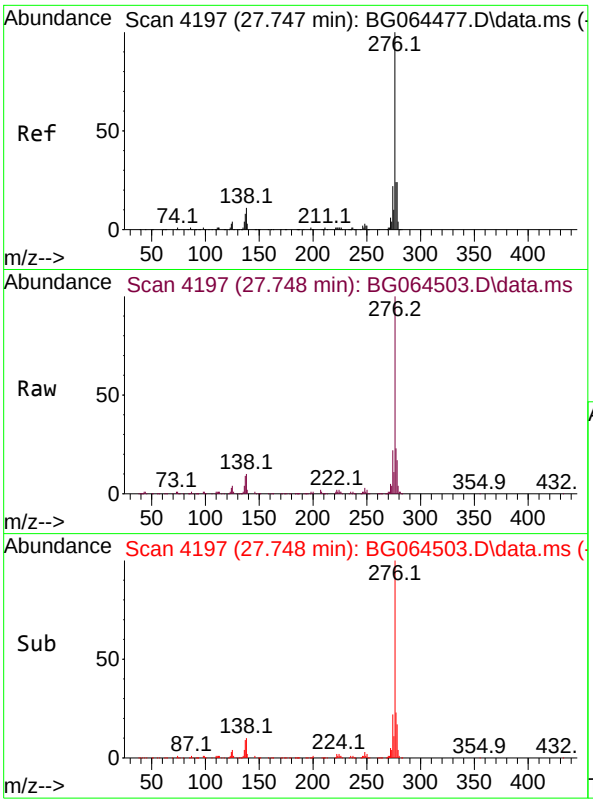


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.387 min Scan# 3625
Delta R.T. -0.002 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

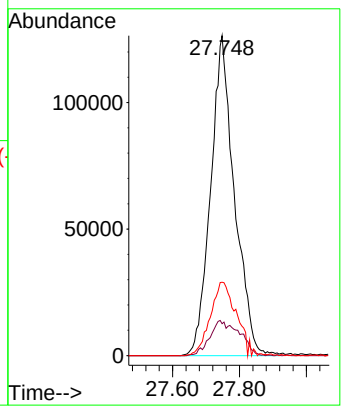




#87
Indeno(1,2,3-cd)pyrene
Concen: 57.321 ng
RT: 27.748 min Scan# 41
Delta R.T. 0.015 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:276 Resp: 62533

Ion	Ratio	Lower	Upper
276	100		
138	13.6	10.8	16.2
277	25.0	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

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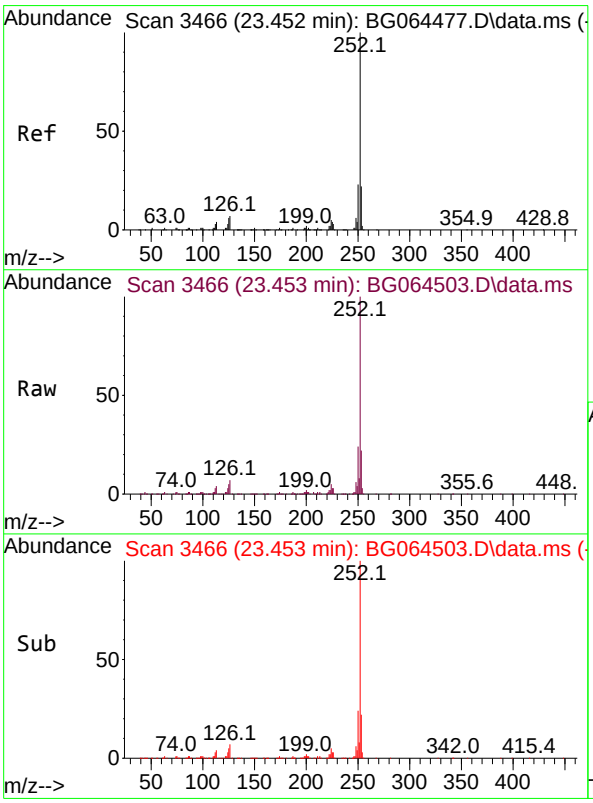
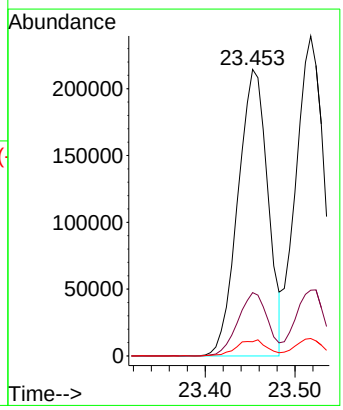
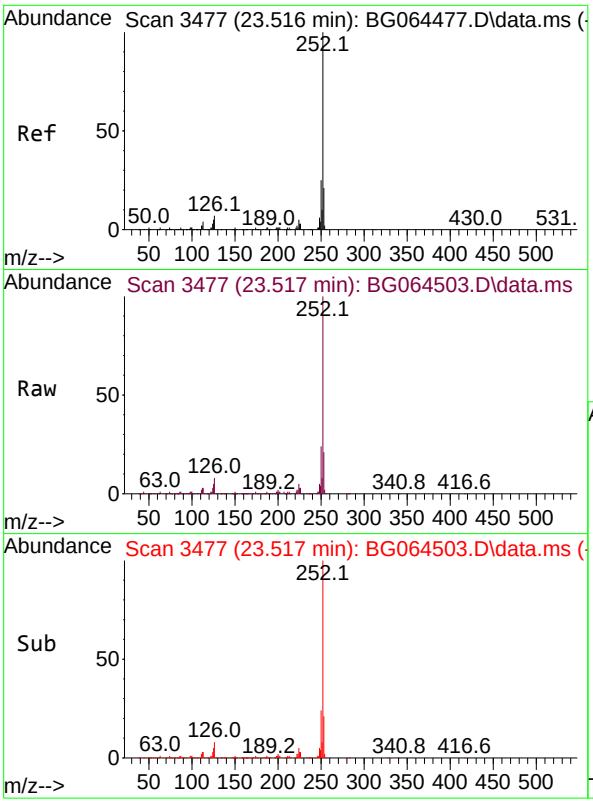


#88
Benzo(b)fluoranthene
Concen: 55.913 ng
RT: 23.453 min Scan# 3466
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

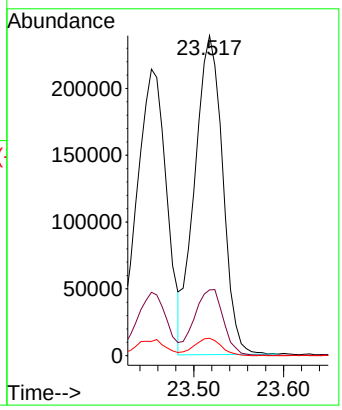




#89
Benzo(k)fluoranthene
Concen: 57.490 ng
RT: 23.517 min Scan# 34
Delta R.T. 0.009 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:252 Resp: 51626

Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.4	26.2
125	5.4	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

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Reviewed By :Jagrut Upadhyay 10/15/2025
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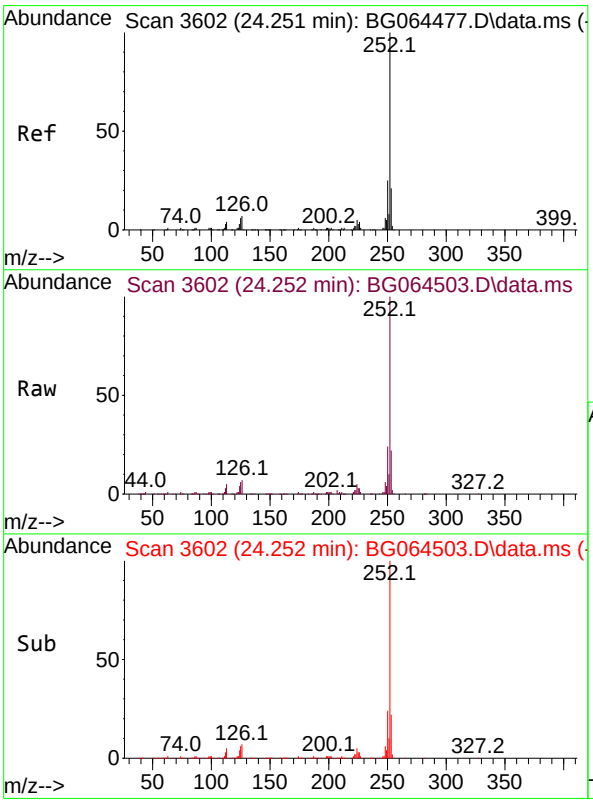
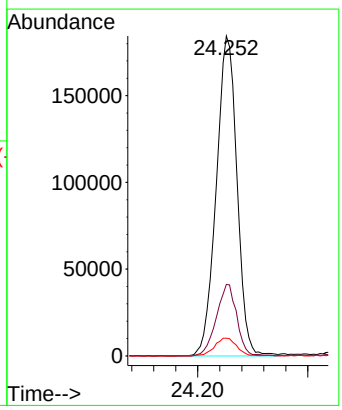
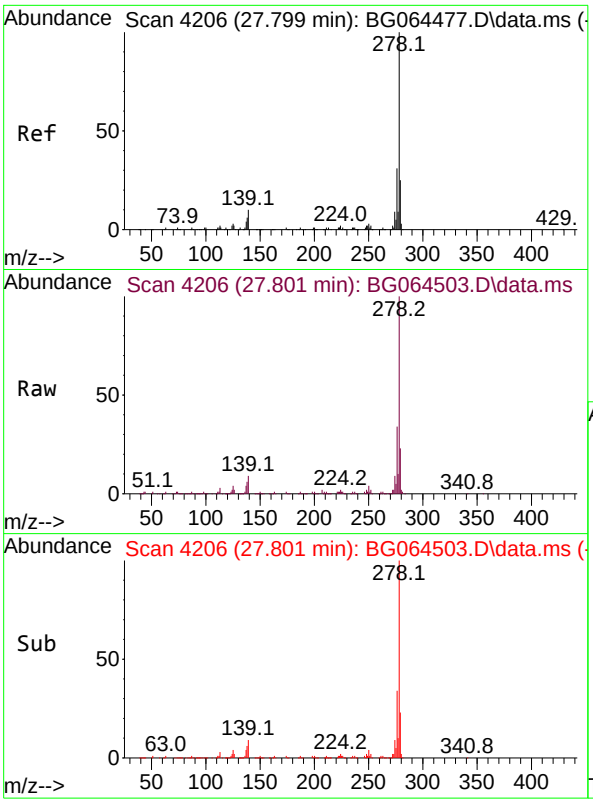


#90
Benzo(a)pyrene
Concen: 58.549 ng
RT: 24.252 min Scan# 3602
Delta R.T. 0.004 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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

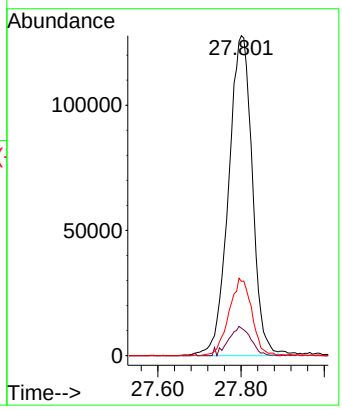




#91
Dibenzo(a,h)anthracene
Concen: 57.930 ng
RT: 27.801 min Scan# 4
Delta R.T. 0.021 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

Tgt Ion:278 Resp: 50540

Ion	Ratio	Lower	Upper
278	100		
139	8.6	8.2	12.2
279	23.2	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MS

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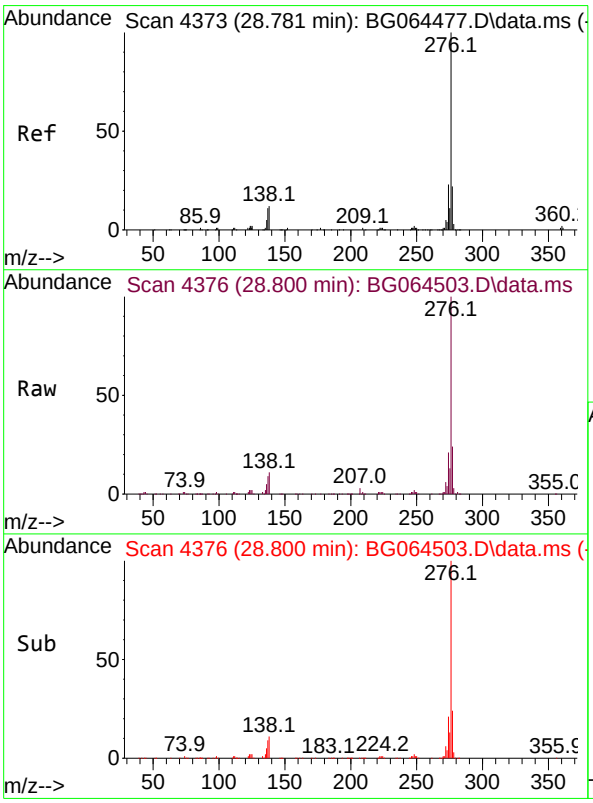
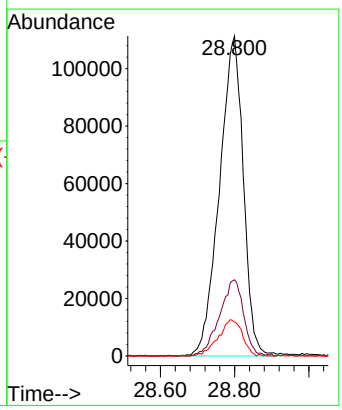


#92
Benzo(g,h,i)perylene
Concen: 58.630 ng
RT: 28.800 min Scan# 4376
Delta R.T. 0.033 min
Lab File: BG064503.D
Acq: 14 Oct 2025 16:52

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



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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/08/25
Project:	RFP 918	Date Received:	10/09/25
Client Sample ID:	P001-DS-01MSD	SDG No.:	Q3321
Lab Sample ID:	Q3321-02MSD	Matrix:	TCLP
Analytical Method:	8270E Level : LOW	% Solid:	0
Sample Wt/Vol:	100 mL Final Vol: 1000 uL	Test:	TCLP BNA
Prep Method :	Prep Date: 10/13/25		

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

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

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/15/2025
Supervised By :mohammad ahmed 10/17/2025

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

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

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/15/2025
Supervised By :mohammad ahmed 10/17/2025

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

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

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

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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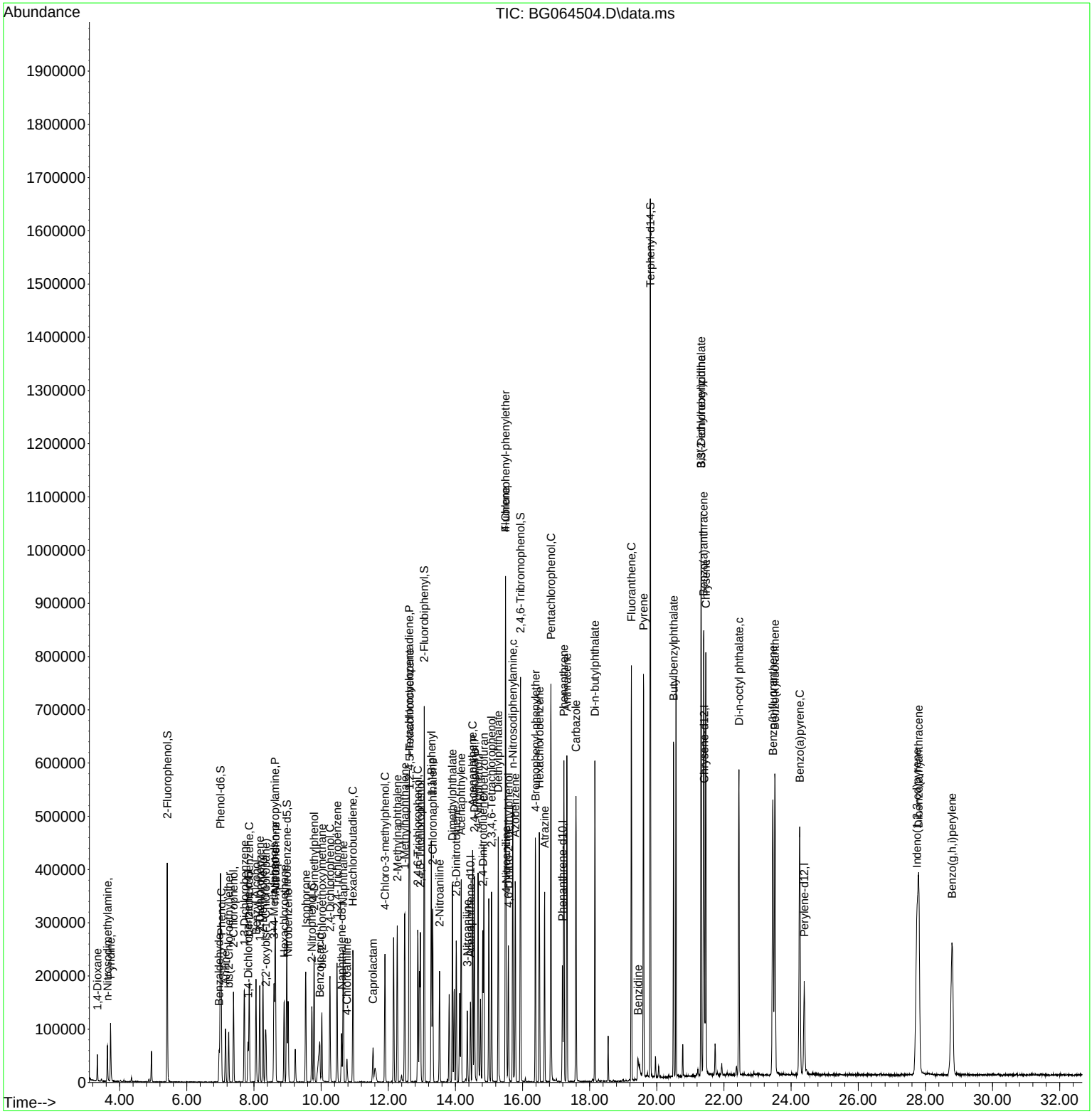
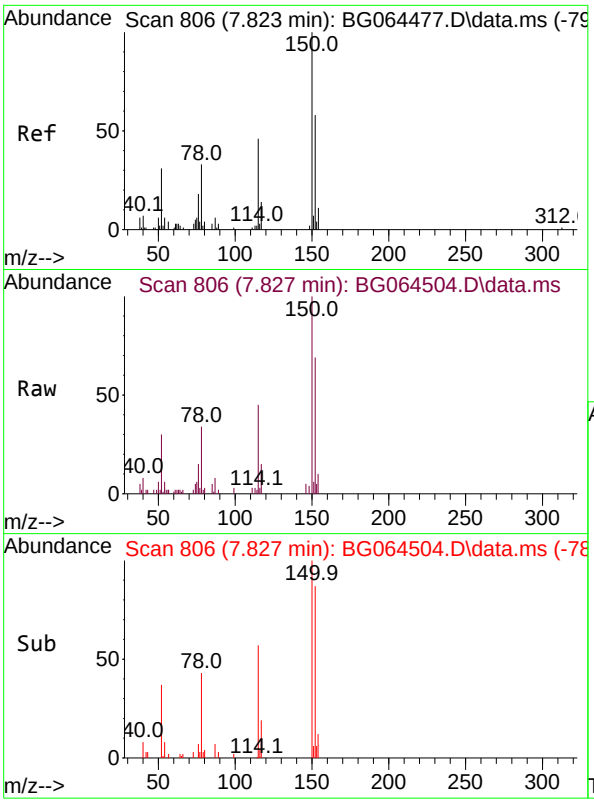
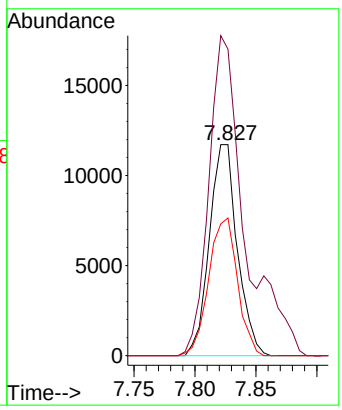




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.827 min Scan# 80
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:152 Resp: 1870

Ion	Ratio	Lower	Upper
152	100		
150	145.2	138.6	207.8
115	65.3	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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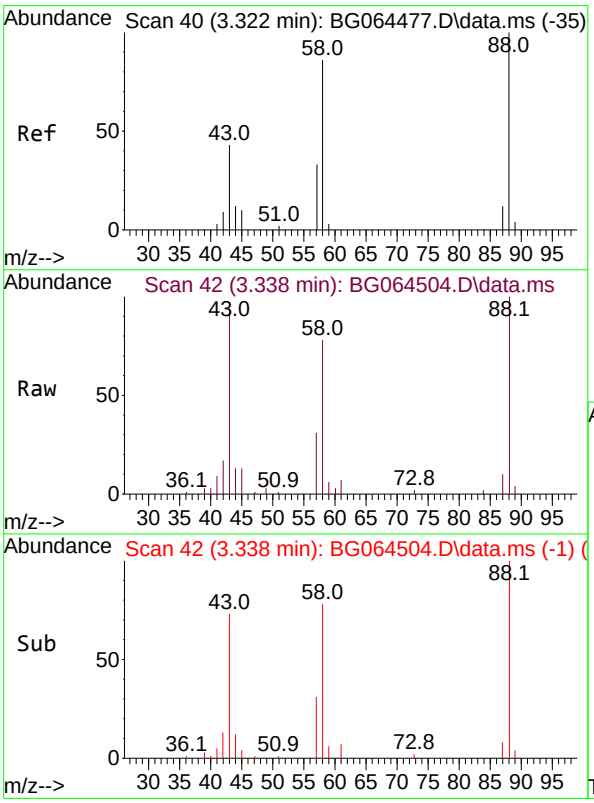
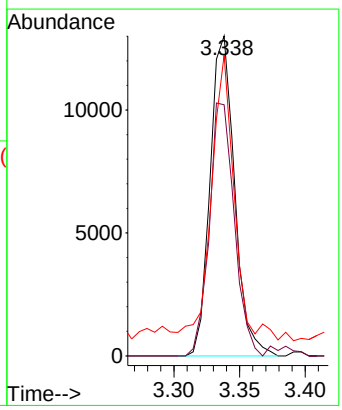
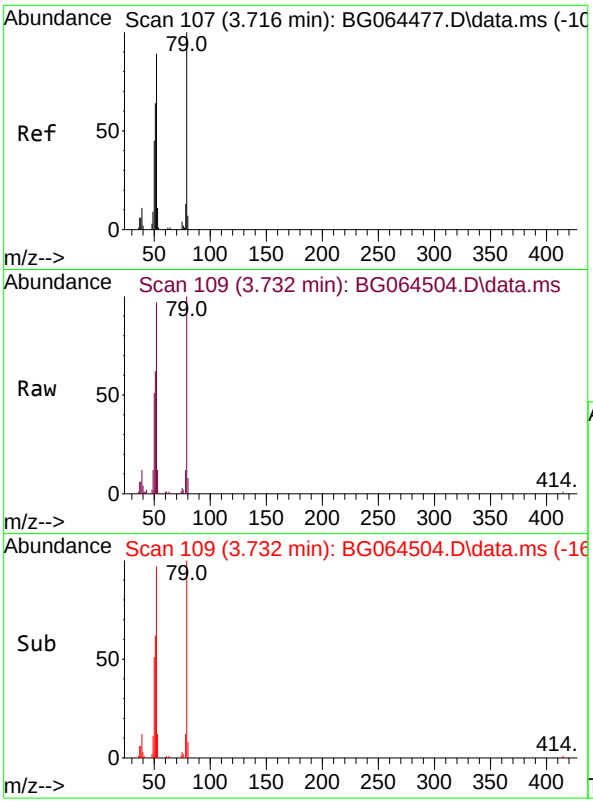


#2
1,4-Dioxane
Concen: 42.317 ng
RT: 3.338 min Scan# 42
Delta R.T. 0.018 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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#

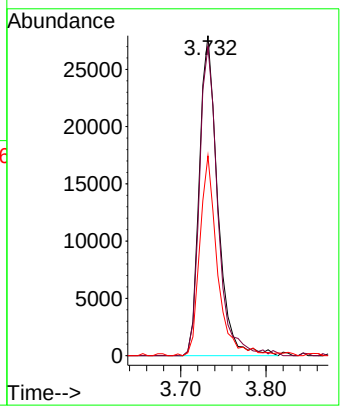




#3
Pyridine
Concen: 38.796 ng
RT: 3.732 min Scan# 1
Delta R.T. 0.018 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion: 79 Resp: 4167

Ion	Ratio	Lower	Upper
79	100		
52	96.6	71.0	106.4
51	62.4	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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Reviewed By :Jagrut Upadhyay 10/15/2025
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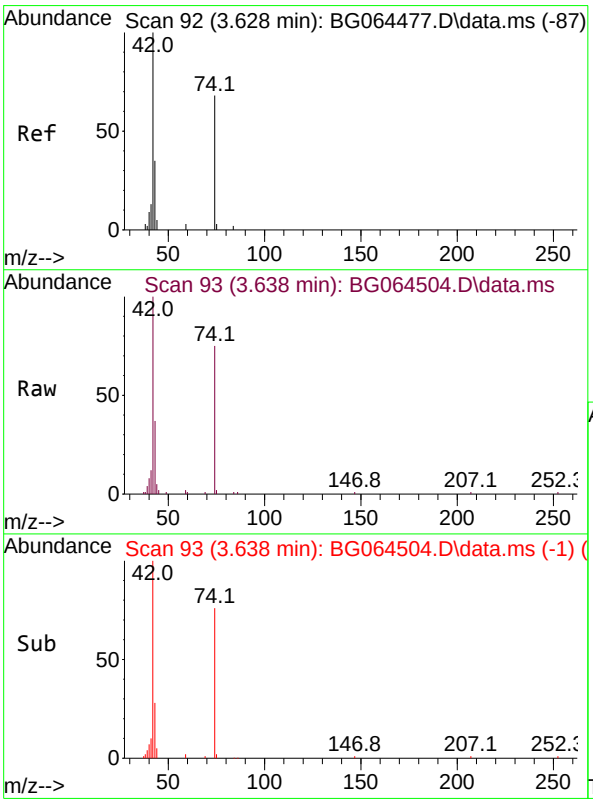
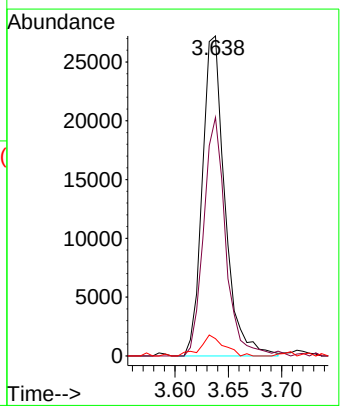
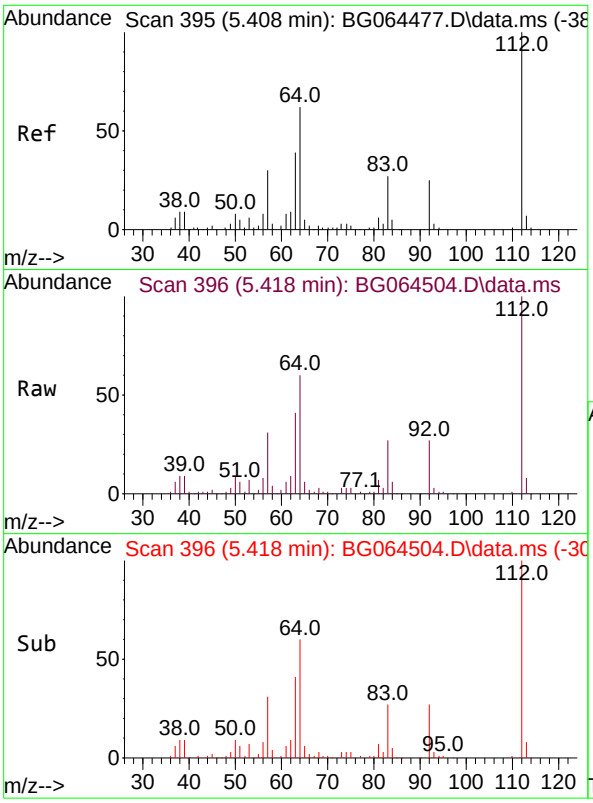


#4
n-Nitrosodimethylamine
Concen: 51.301 ng
RT: 3.638 min Scan# 93
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

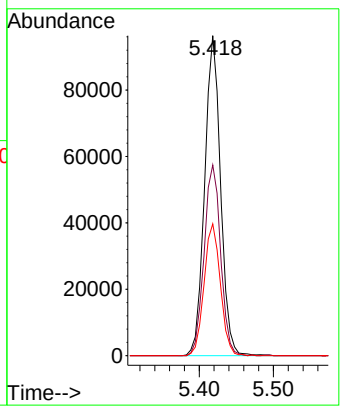




#5
2-Fluorophenol
Concen: 142.089 ng
RT: 5.418 min Scan# 3
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:112 Resp: 14357

Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.8	74.8
63	41.2	31.3	46.9



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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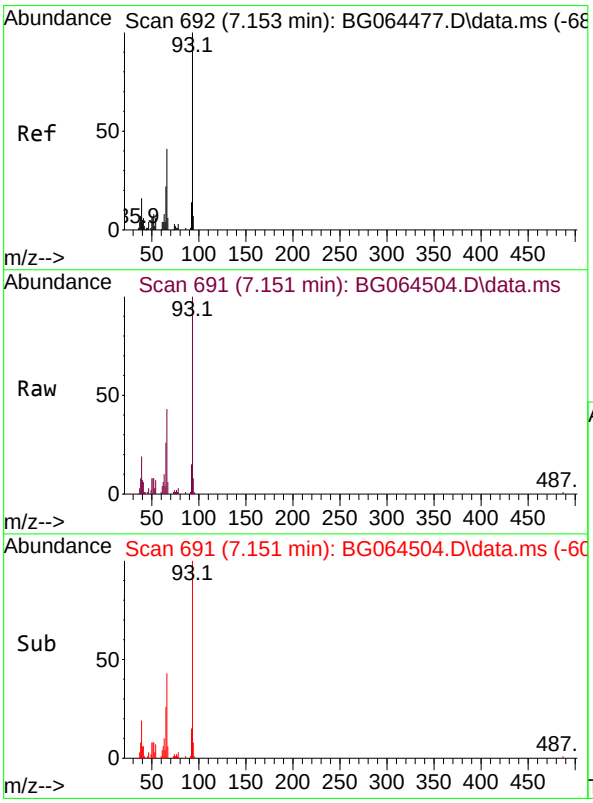
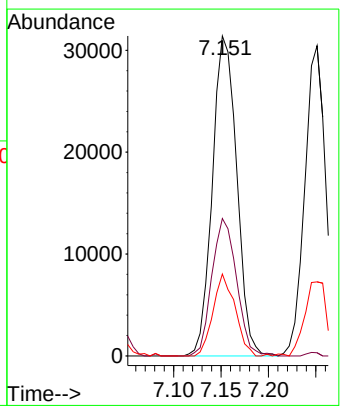
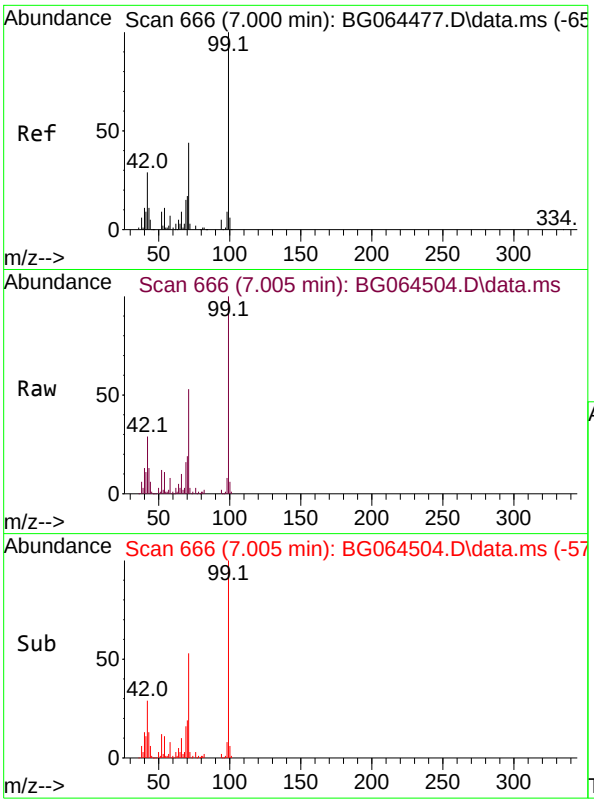


#6
Aniline
Concen: 32.801 ng
RT: 7.151 min Scan# 691
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

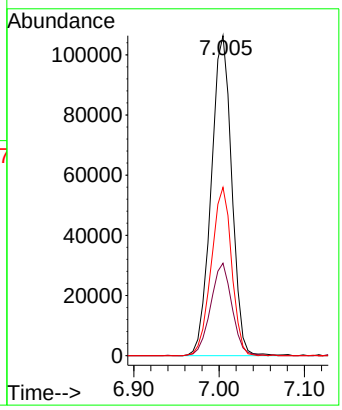




#7
Phenol-d6
Concen: 130.762 ng
RT: 7.005 min Scan# 6
Delta R.T. 0.018 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion: 99 Resp: 17755

Ion	Ratio	Lower	Upper
99	100		
42	28.9	22.9	34.3
71	52.6	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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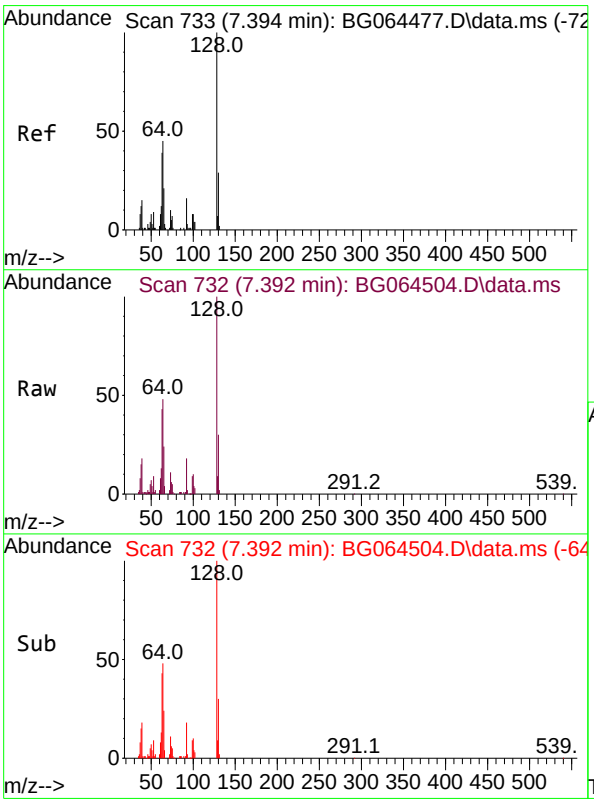
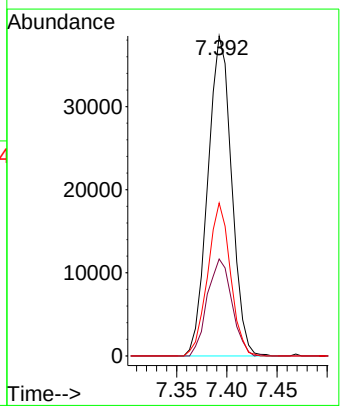
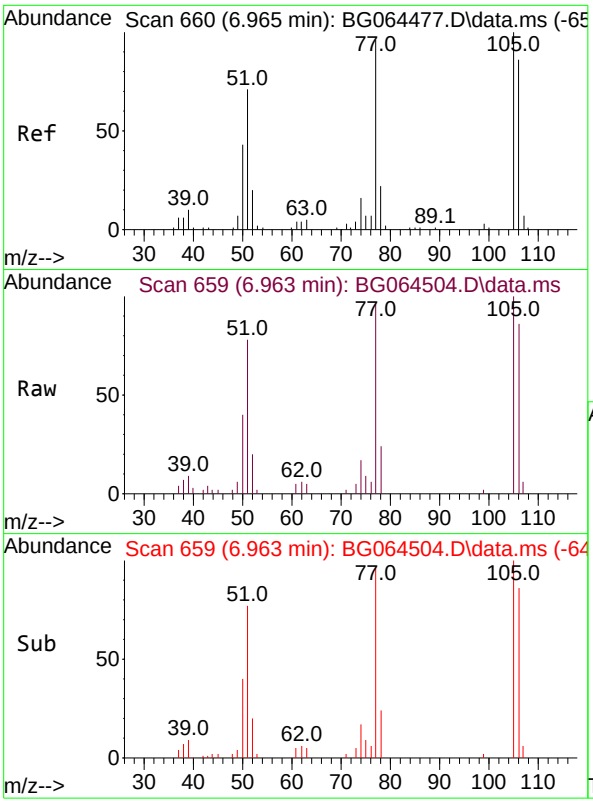


#8
2-Chlorophenol
Concen: 51.149 ng
RT: 7.392 min Scan# 732
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

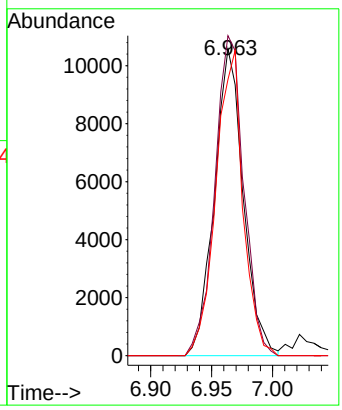




#9
Benzaldehyde
Concen: 14.471 ng
RT: 6.963 min Scan# 6
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion: 77 Resp: 1744

Ion	Ratio	Lower	Upper
77	100		
105	104.3	83.7	123.7
106	90.0	69.4	109.4



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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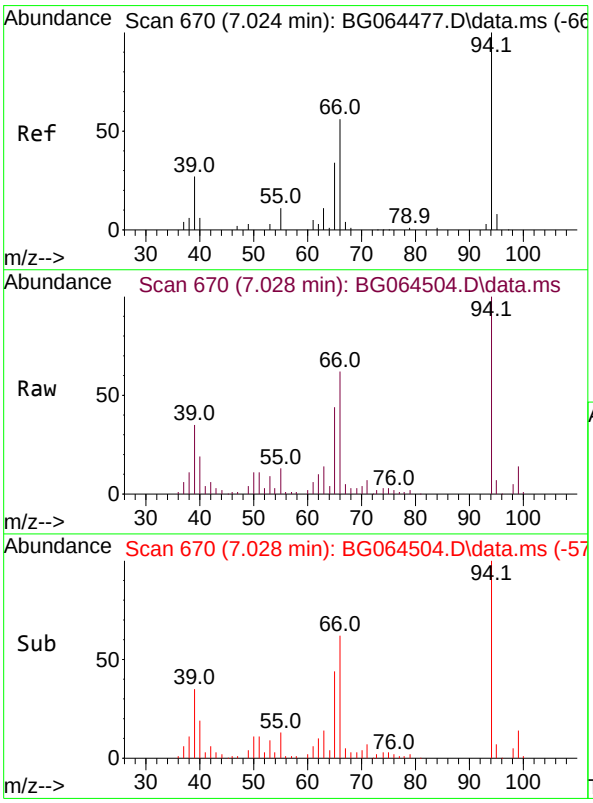
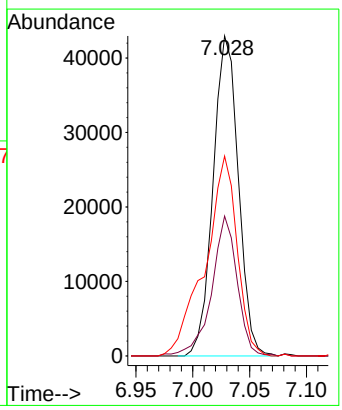
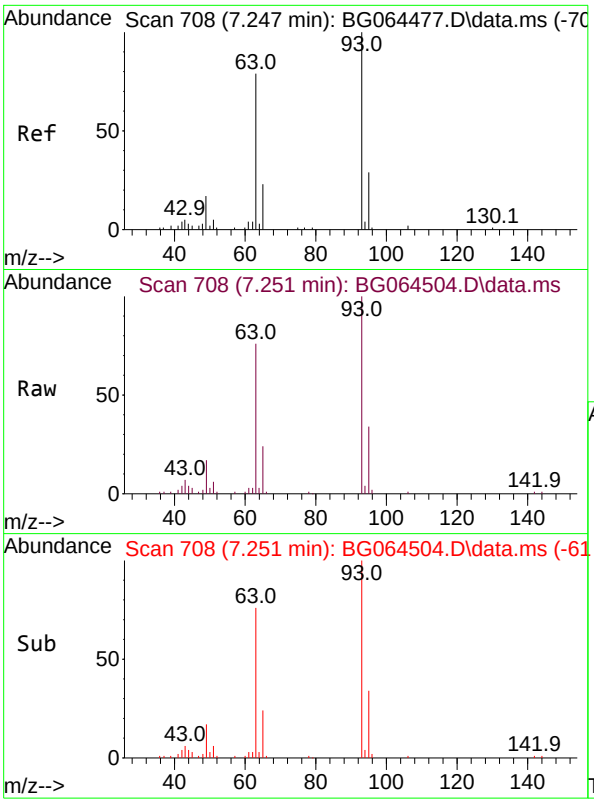


#10
Phenol
Concen: 46.330 ng
RT: 7.028 min Scan# 670
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

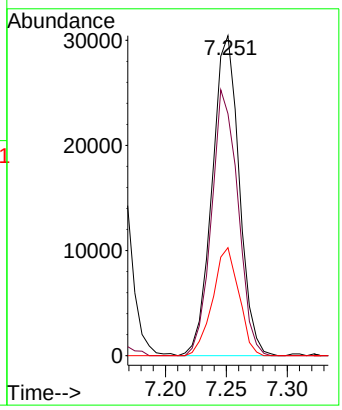




#11
bis(2-Chloroethyl)ether
Concen: 48.428 ng
RT: 7.251 min Scan# 70
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion: 93 Resp: 4697

Ion	Ratio	Lower	Upper
93	100		
63	75.6	59.5	99.5
95	33.7	8.8	48.8



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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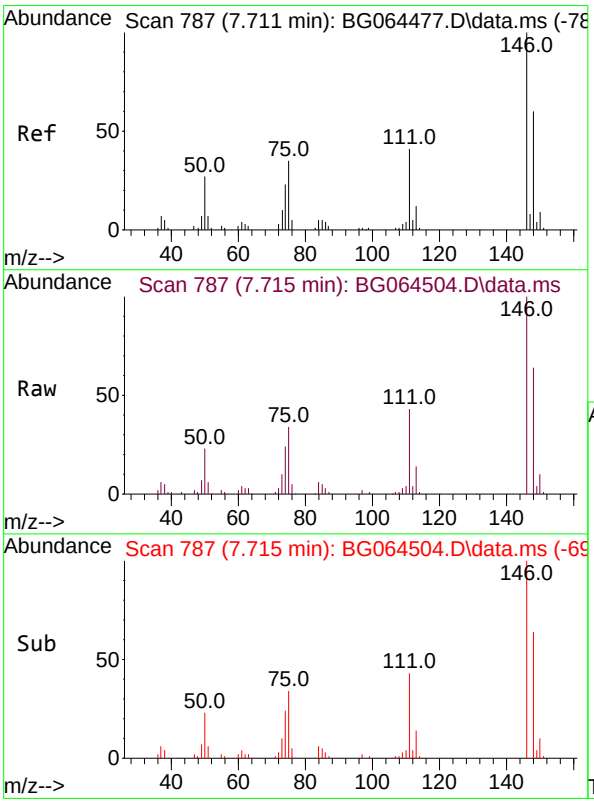
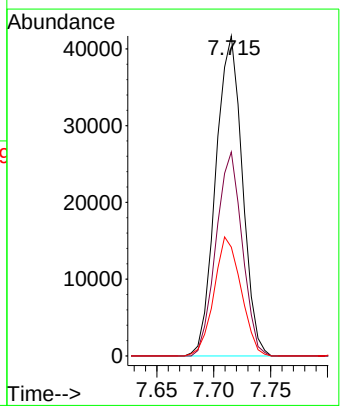
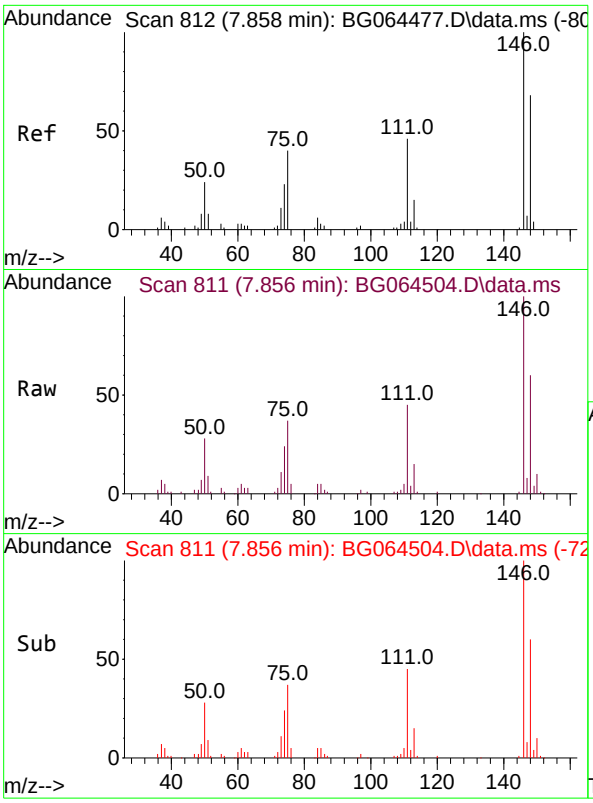


#12
1,3-Dichlorobenzene
Concen: 49.975 ng
RT: 7.715 min Scan# 787
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

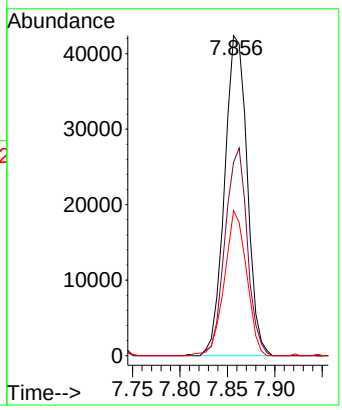




#13
1,4-Dichlorobenzene
Concen: 51.646 ng
RT: 7.856 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:146 Resp: 7035

Ion	Ratio	Lower	Upper
146	100		
148	60.4	54.4	81.6
111	45.3	36.5	54.7



Instrument :
BNA_G
ClientSampleId :
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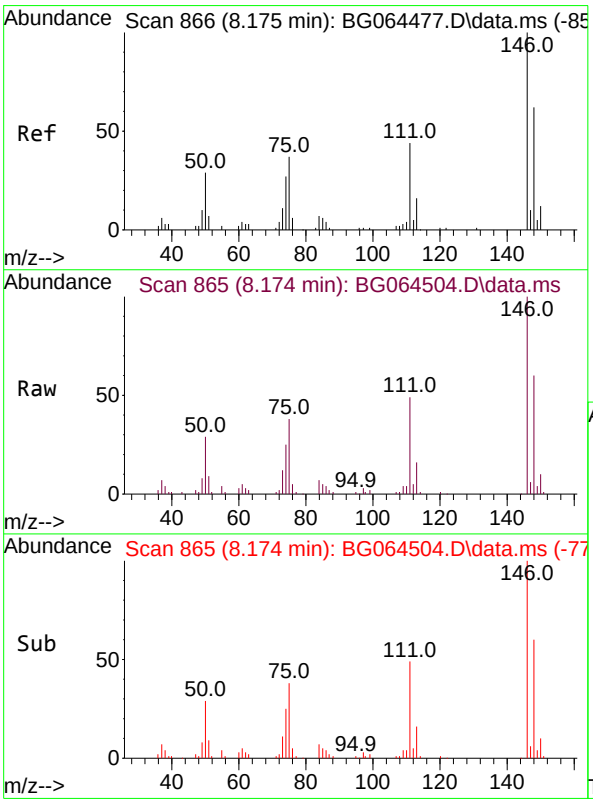
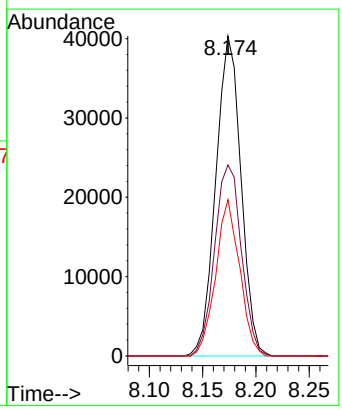
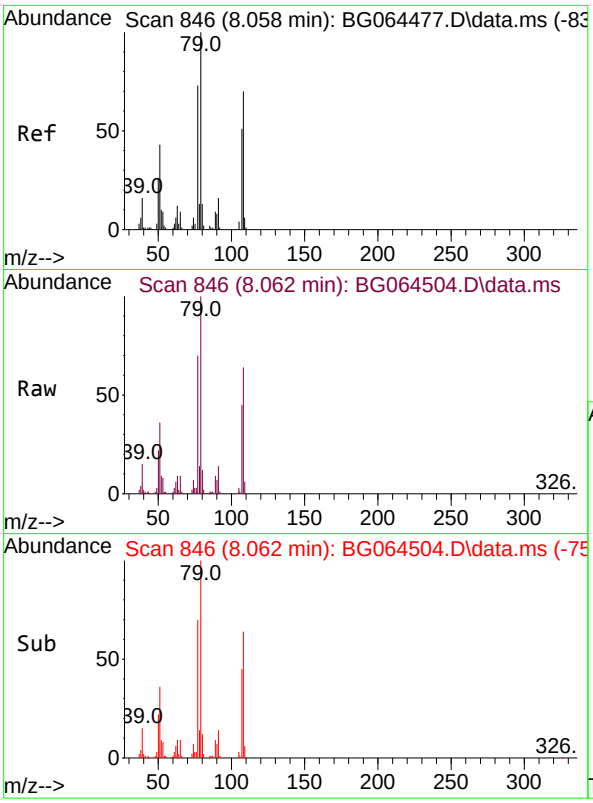


#14
1,2-Dichlorobenzene
Concen: 49.410 ng
RT: 8.174 min Scan# 865
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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# 84
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion: 79 Resp: 6296

Ion	Ratio	Lower	Upper
79	100		
108	64.2	56.4	84.6
77	69.6	58.3	87.5

Instrument :
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ClientSampleId :
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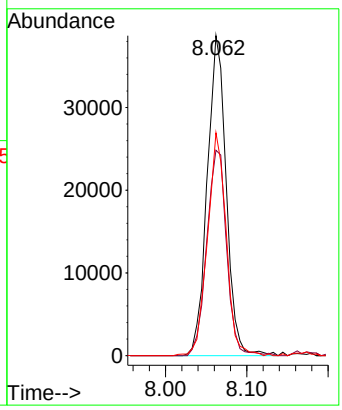
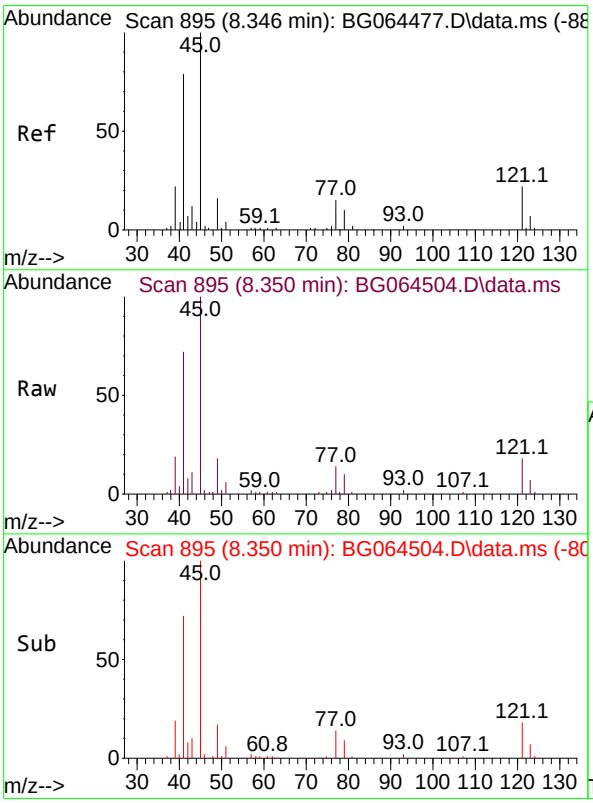
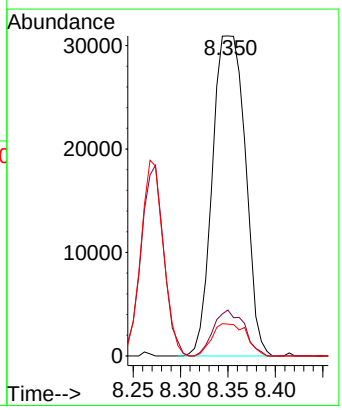


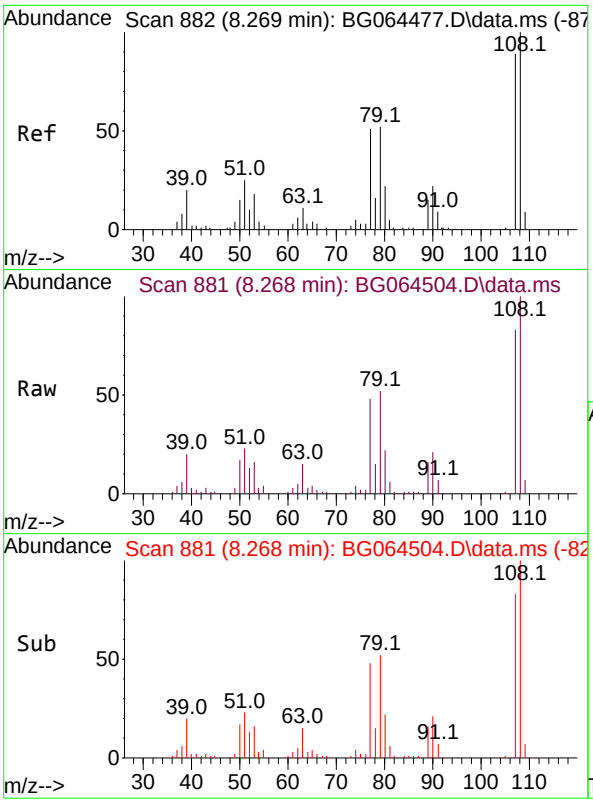


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.688 ng
RT: 8.350 min Scan# 895
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

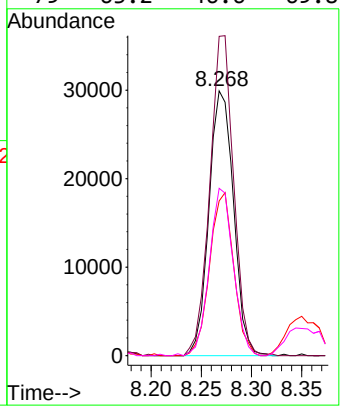




#17
2-Methylphenol
Concen: 49.162 ng
RT: 8.268 min Scan# 88
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:107 Resp: 5099

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



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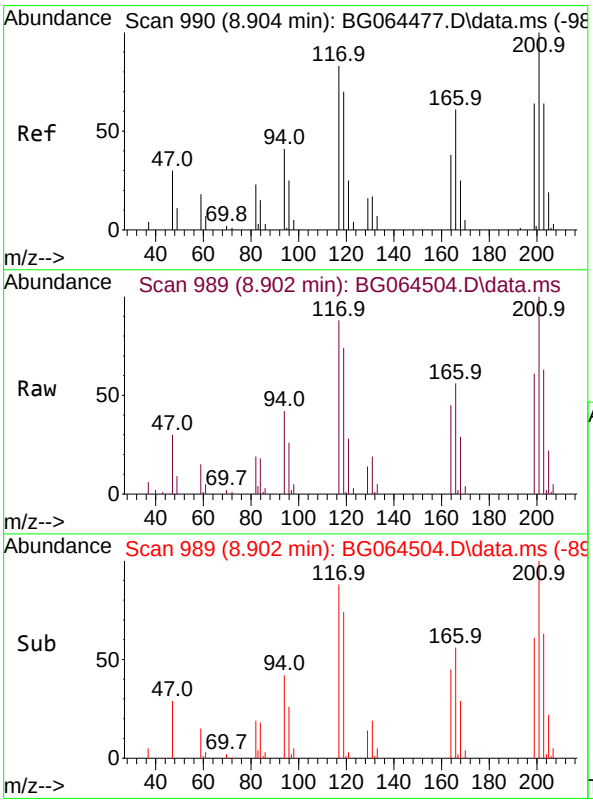
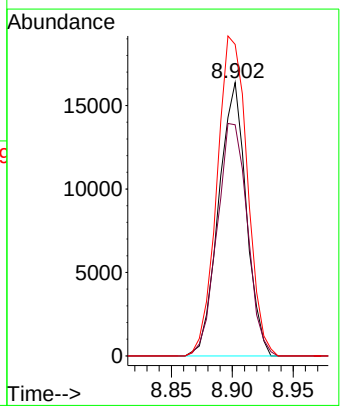
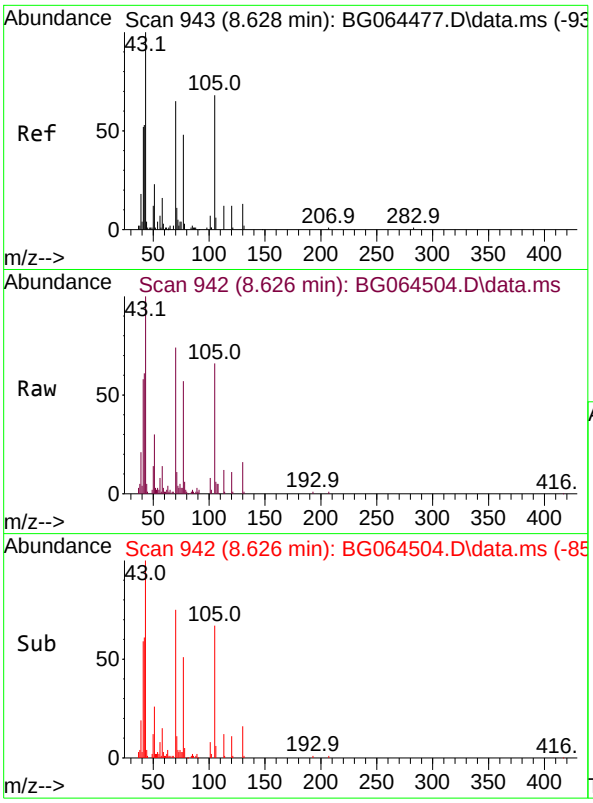


#18
Hexachloroethane
Concen: 47.880 ng
RT: 8.902 min Scan# 989
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

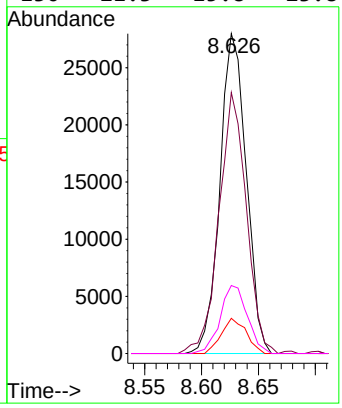




#19
n-Nitroso-di-n-propylamine
Concen: 49.638 ng
RT: 8.626 min Scan# 94
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion: 70 Resp: 4507

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



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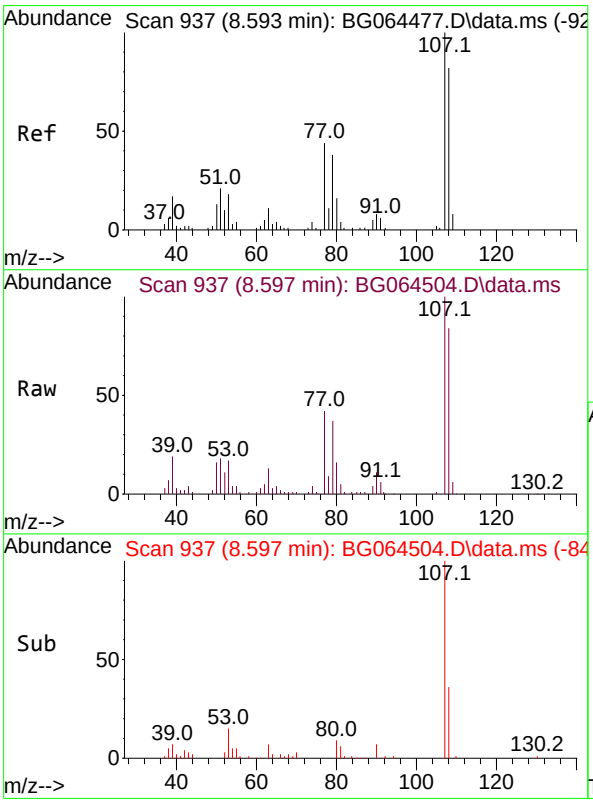
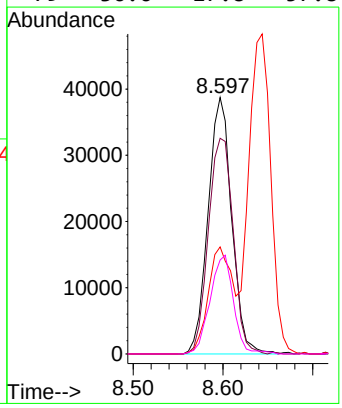
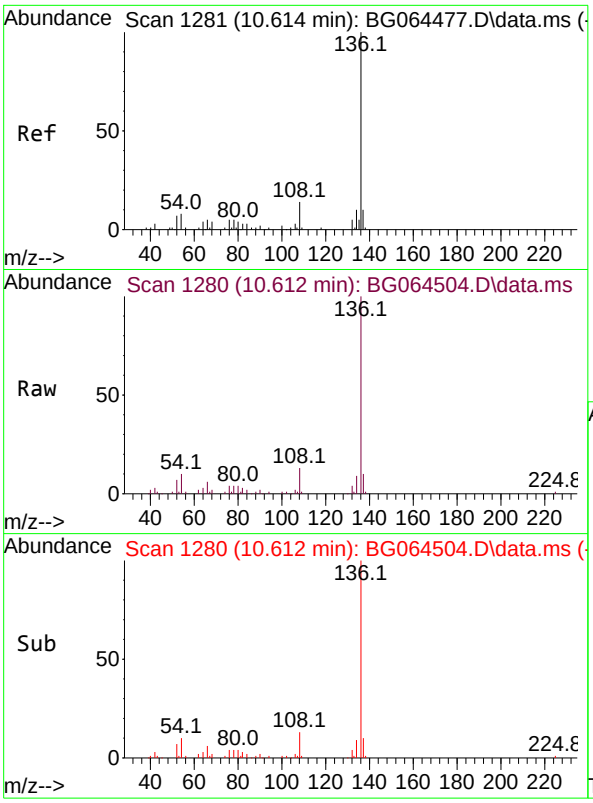


#20
3+4-Methylphenols
Concen: 49.103 ng
RT: 8.597 min Scan# 937
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

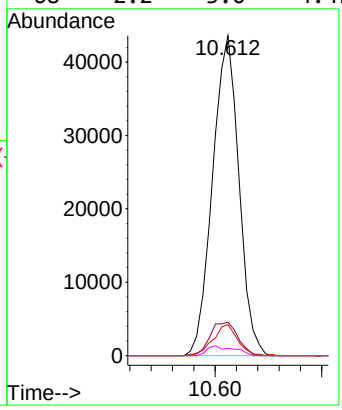




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.612 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:136 Resp: 7484

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#



Instrument :
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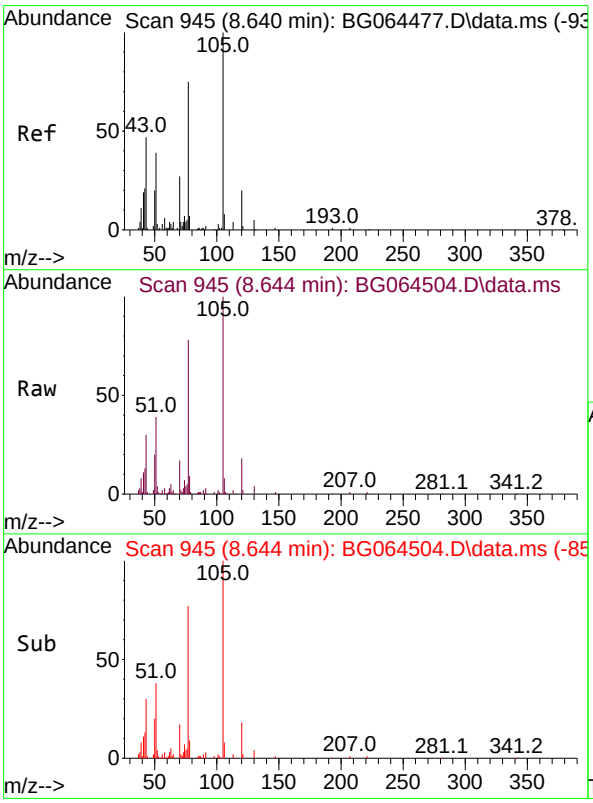
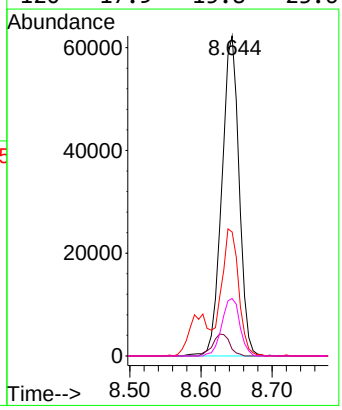
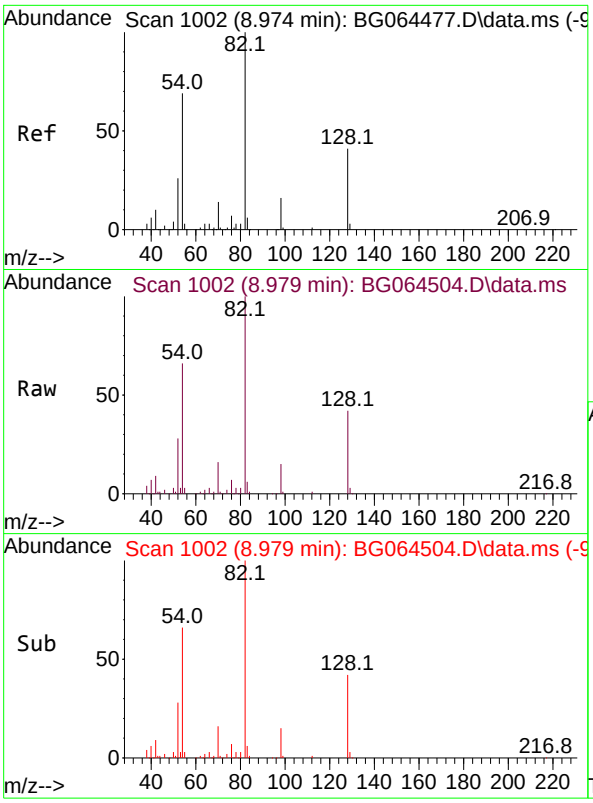


#22
Acetophenone
Concen: 58.116 ng
RT: 8.644 min Scan# 945
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

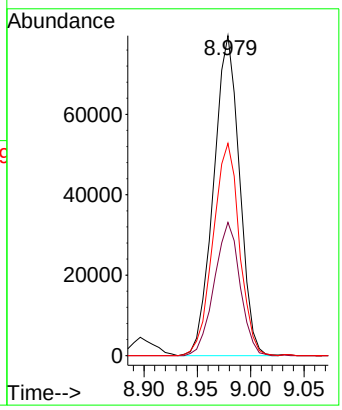




#23
Nitrobenzene-d5
Concen: 96.652 ng
RT: 8.979 min Scan# 1
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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



Instrument :
BNA_G
ClientSampleId :
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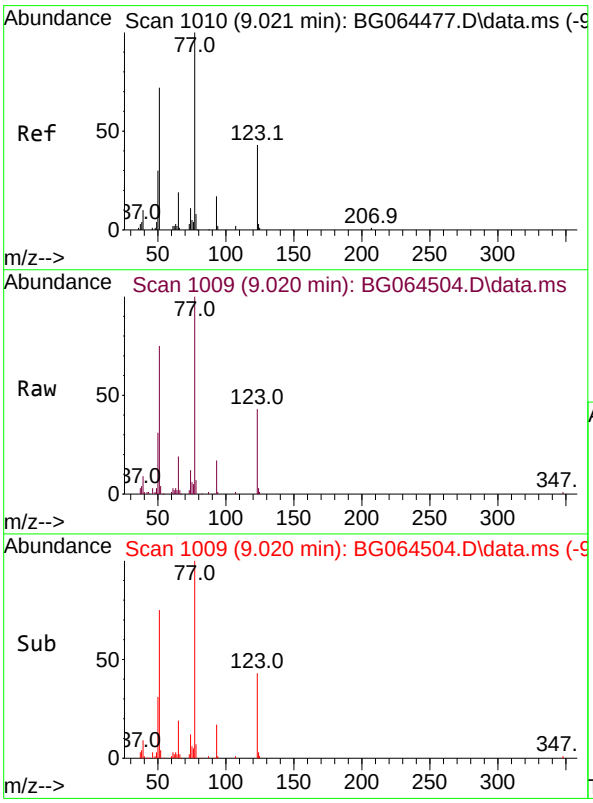
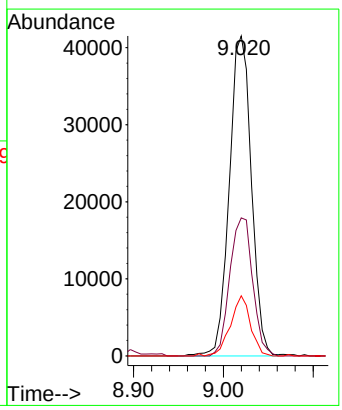
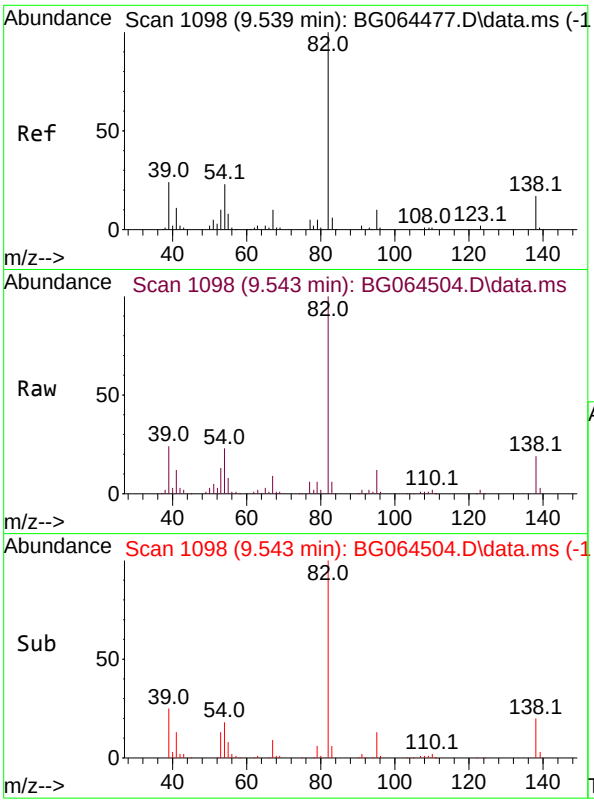


#24
Nitrobenzene
Concen: 51.239 ng
RT: 9.020 min Scan# 1009
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

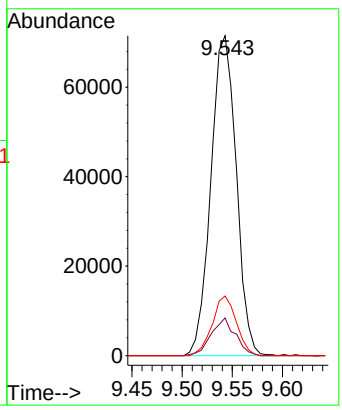




#25
Isophorone
Concen: 49.933 ng
RT: 9.543 min Scan# 1
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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



Instrument :
BNA_G
ClientSampleId :
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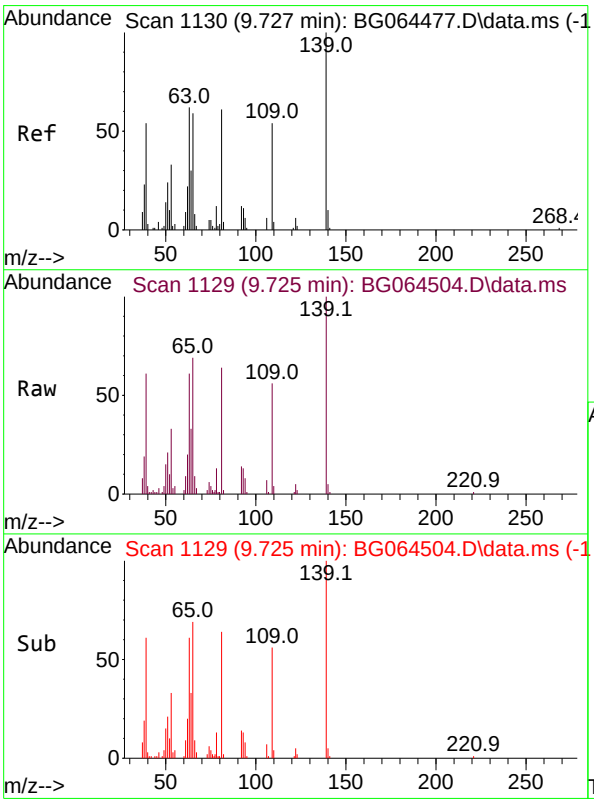
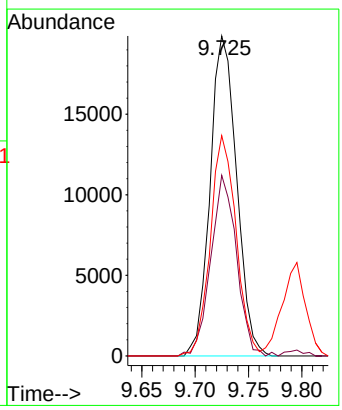
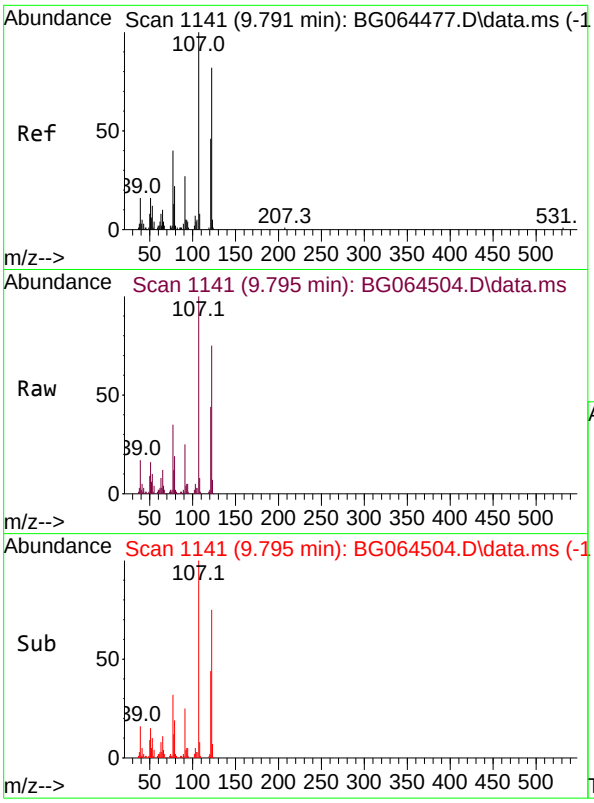


#26
2-Nitrophenol
Concen: 49.766 ng
RT: 9.725 min Scan# 1129
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

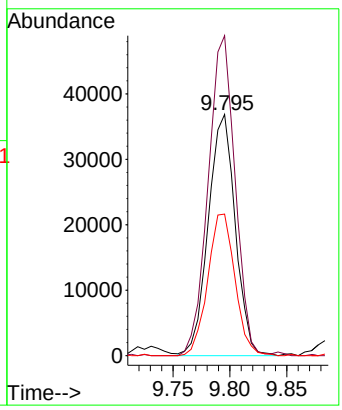




#27
2,4-Dimethylphenol
Concen: 57.660 ng
RT: 9.795 min Scan# 11
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:122 Resp: 6083

Ion	Ratio	Lower	Upper
122	100		
107	132.7	98.3	147.5
121	58.7	44.7	67.1



Instrument :
BNA_G
ClientSampleId :
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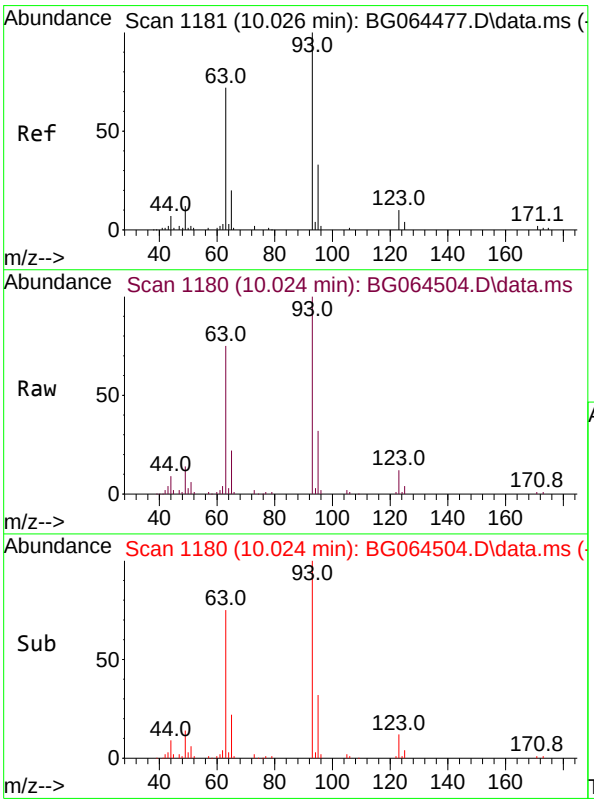
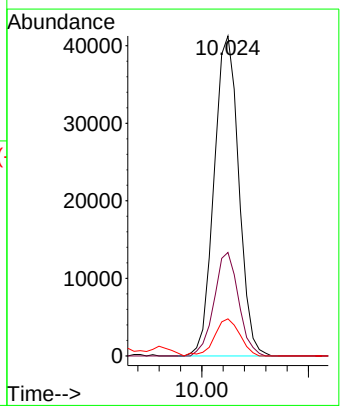
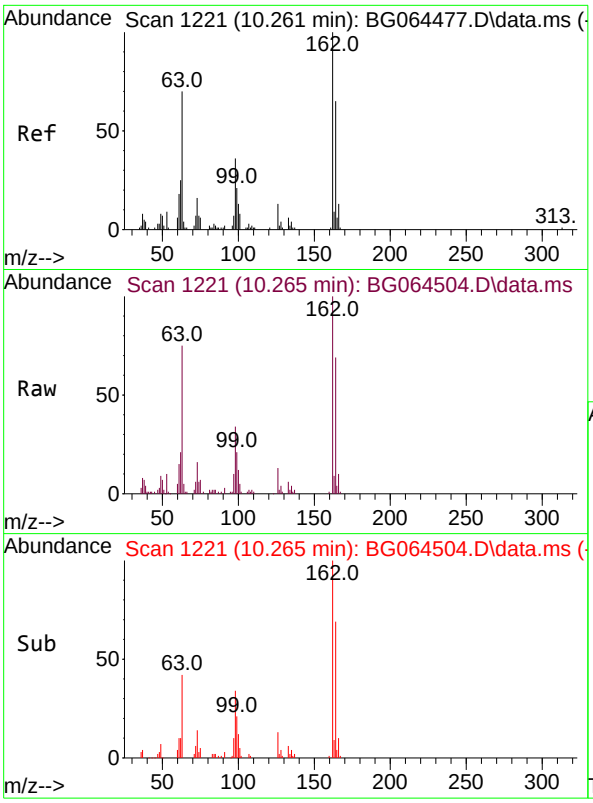


#28
bis(2-Chloroethoxy)methane
Concen: 51.660 ng
RT: 10.024 min Scan# 1180
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion: 93 Resp: 66400

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# 1
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:162 Resp: 6714

Ion	Ratio	Lower	Upper
162	100		
164	69.4	45.4	85.4
98	34.4	16.4	56.4

Instrument :
BNA_G
ClientSampleId :
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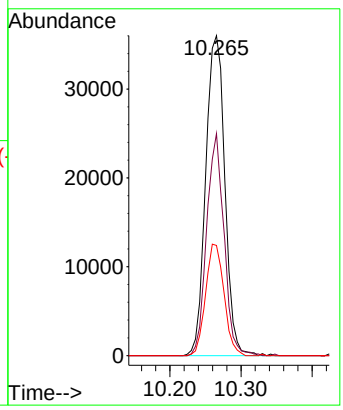
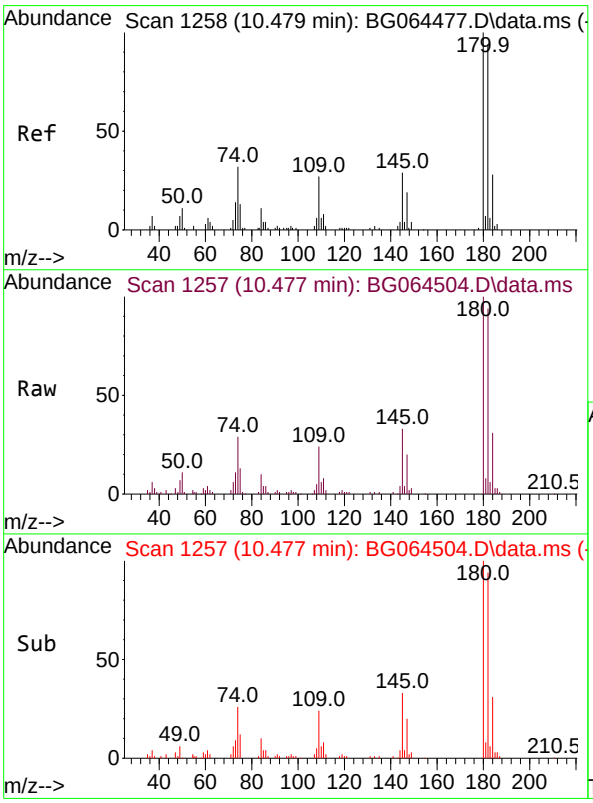
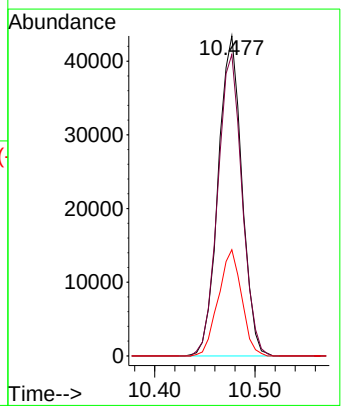


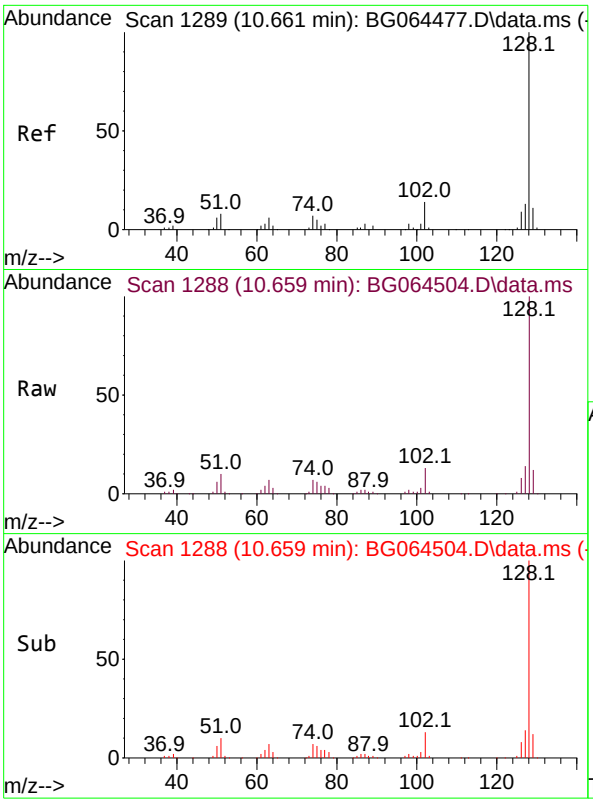


#30
1,2,4-Trichlorobenzene
Concen: 53.468 ng
RT: 10.477 min Scan# 1257
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

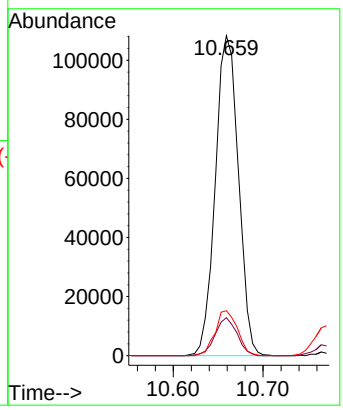




#31
Naphthalene
Concen: 50.315 ng
RT: 10.659 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:128 Resp: 19391

Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.7	13.1
127	14.0	10.2	15.2



Instrument :
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ClientSampleId :
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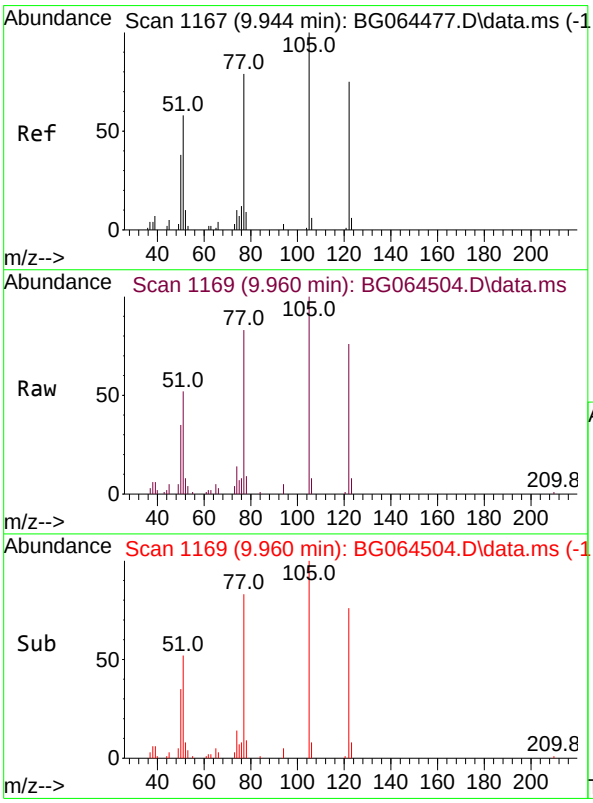
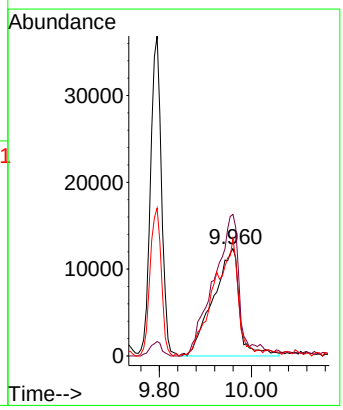
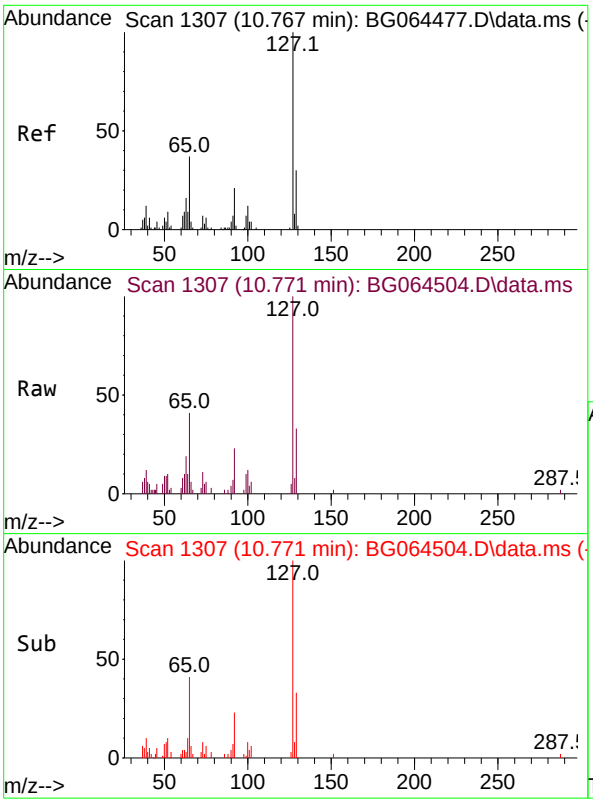


#32
Benzoic acid
Concen: 60.562 ng
RT: 9.960 min Scan# 1169
Delta R.T. 0.071 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

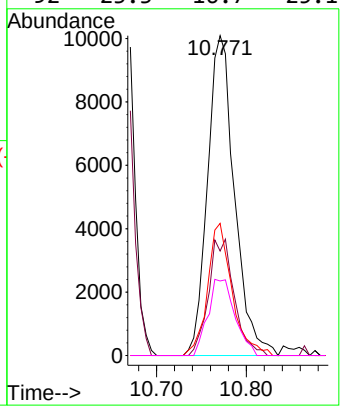




#33
4-Chloroaniline
Concen: 14.296 ng
RT: 10.771 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:127 Resp: 2114

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



Instrument :
BNA_G
ClientSampleId :
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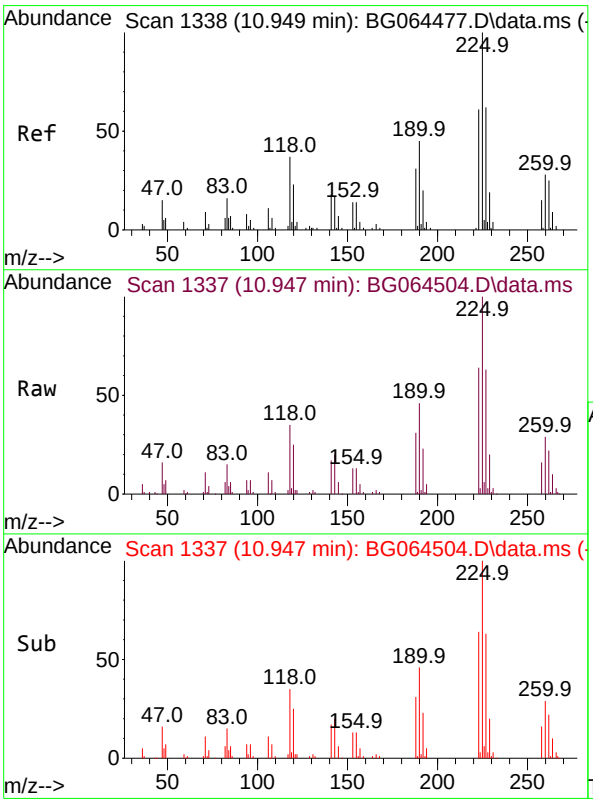
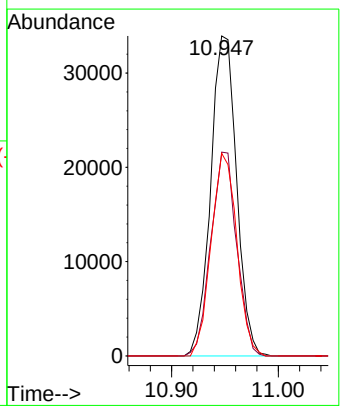
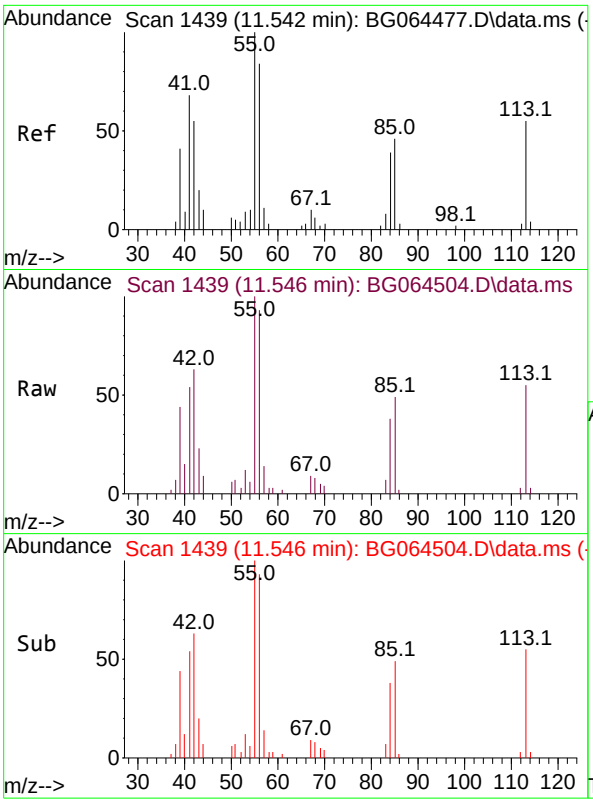


#34
Hexachlorobutadiene
Concen: 50.337 ng
RT: 10.947 min Scan# 1337
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

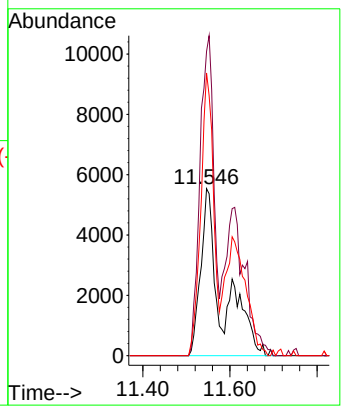




#35
Caprolactam
Concen: 44.867 ng m
RT: 11.546 min Scan# 14
Delta R.T. 0.036 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:113 Resp: 1874

Ion	Ratio	Lower	Upper
113	100		
55	182.2	162.0	202.0
56	169.3	134.6	174.6



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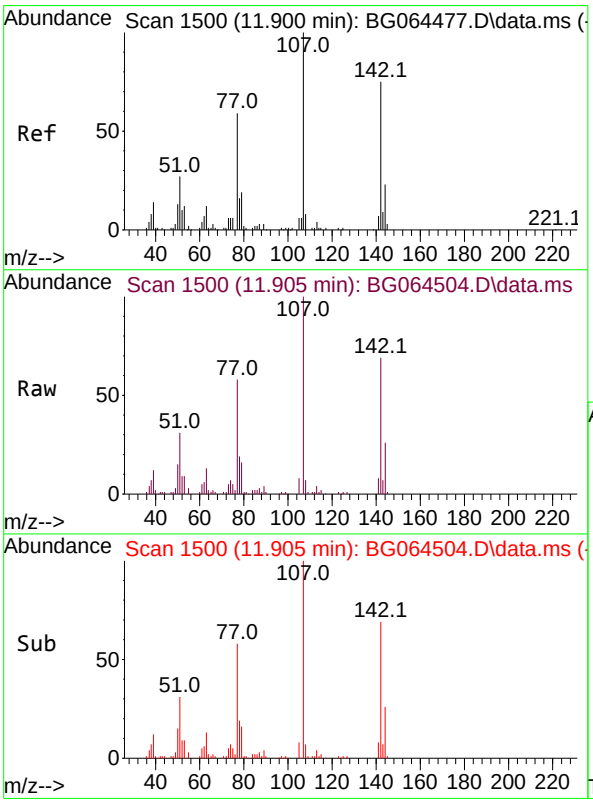
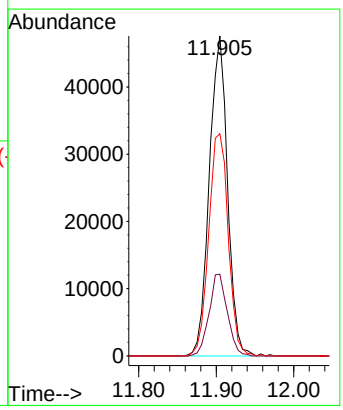
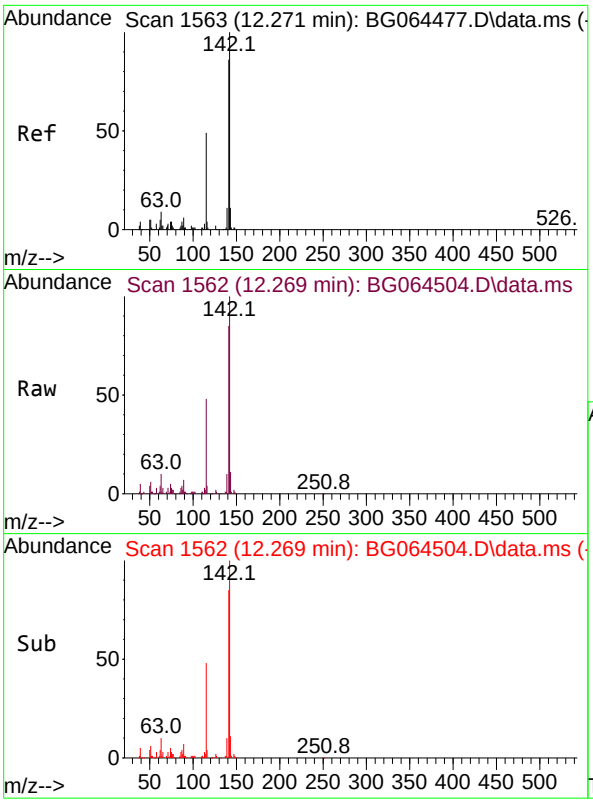


#36
4-Chloro-3-methylphenol
Concen: 52.350 ng
RT: 11.905 min Scan# 1500
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

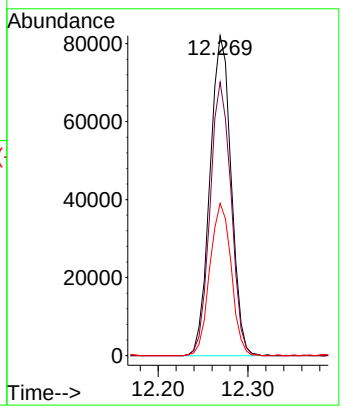




#37
2-Methylnaphthalene
Concen: 45.587 ng
RT: 12.269 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:142 Resp: 13486

Ion	Ratio	Lower	Upper
142	100		
141	85.4	68.7	103.1
115	47.6	39.3	58.9



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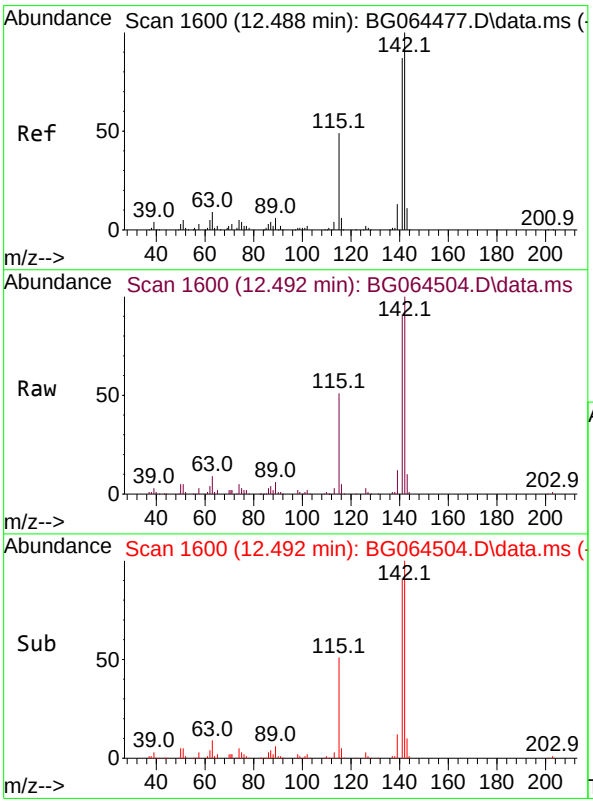
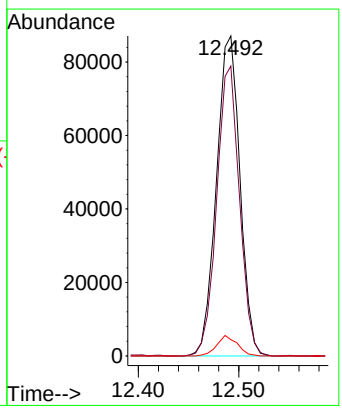
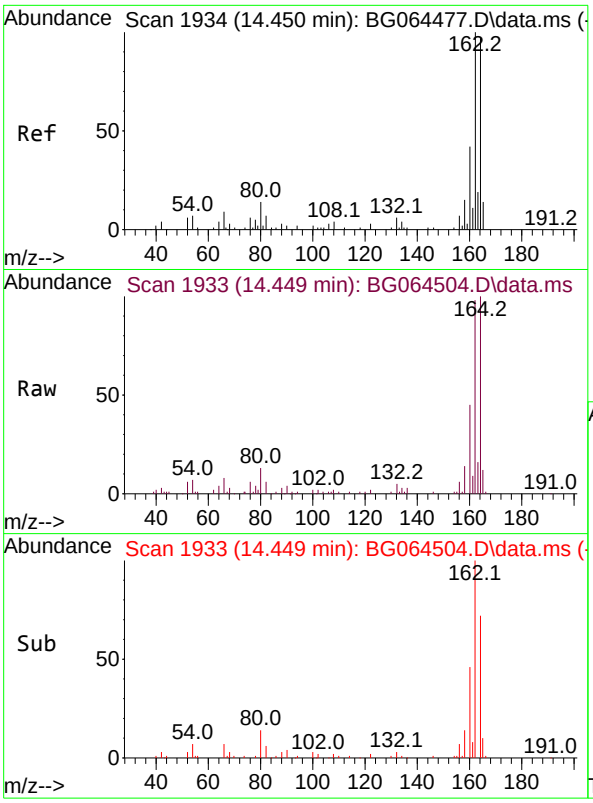


#38
1-Methylnaphthalene
Concen: 48.139 ng
RT: 12.492 min Scan# 1600
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:142 Resp: 142006

Ion	Ratio	Lower	Upper
142	100		
141	90.6	69.8	104.8
116	5.1	4.6	6.8

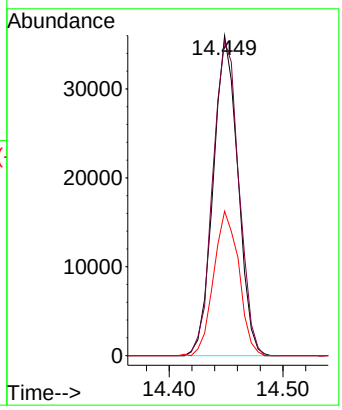




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.449 min Scan# 19
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:164 Resp: 5419

Ion	Ratio	Lower	Upper
164	100		
162	98.4	82.2	123.2
160	45.1	34.3	51.5



Instrument :
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ClientSampleId :
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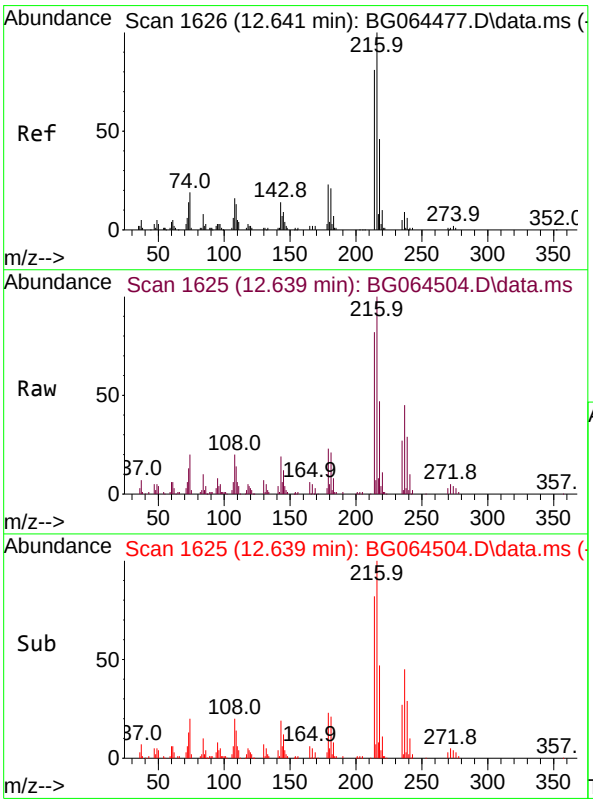
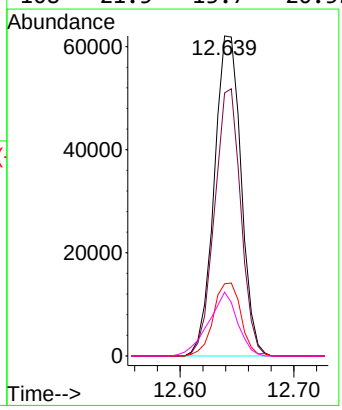
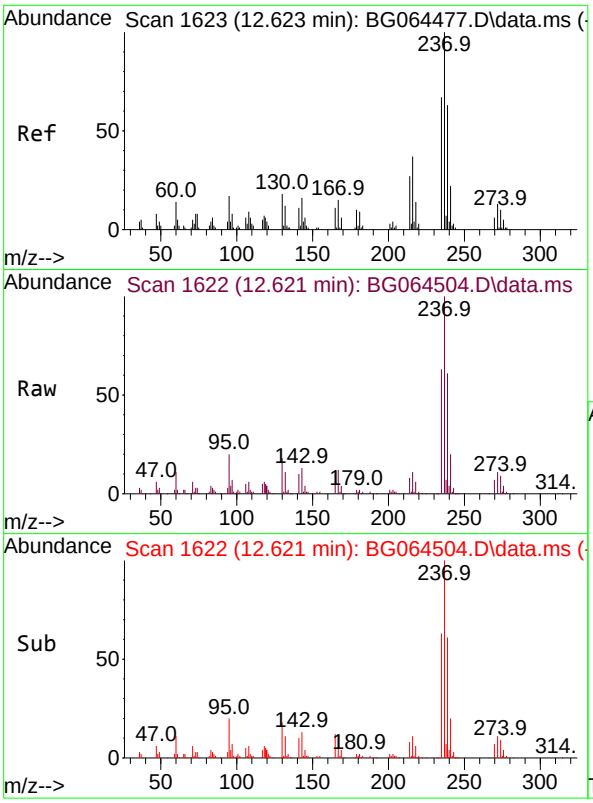


#40
1,2,4,5-Tetrachlorobenzene
Concen: 58.225 ng
RT: 12.639 min Scan# 1625
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:216 Resp: 101876

Ion	Ratio	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#

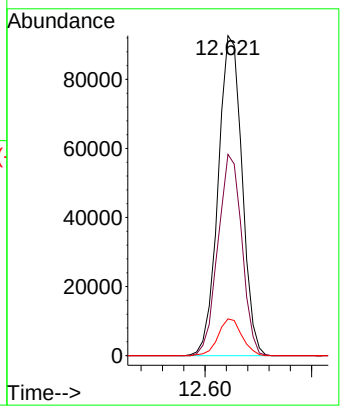




#41
Hexachlorocyclopentadiene
Concen: 157.936 ng
RT: 12.621 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:237 Resp: 14455

Ion	Ratio	Lower	Upper
237	100		
235	62.9	46.9	86.9
272	11.5	0.0	32.6



Instrument :
BNA_G
ClientSampleId :
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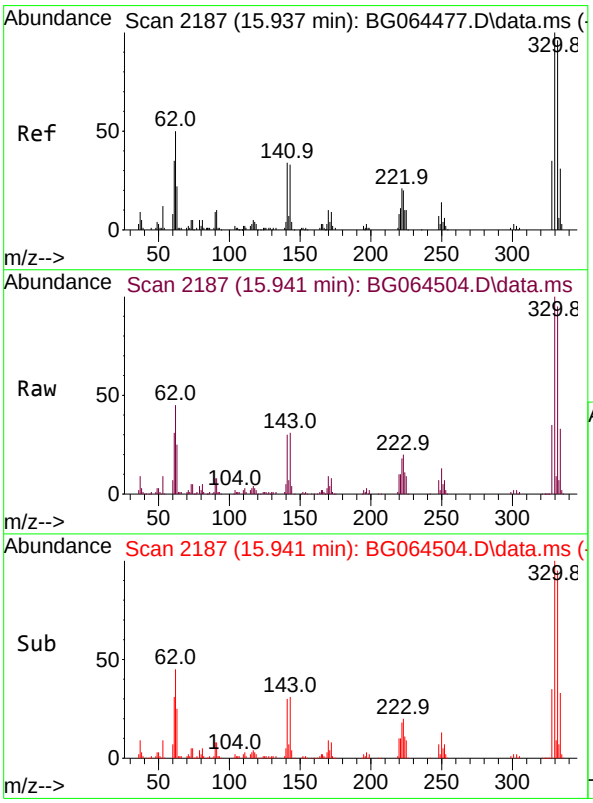
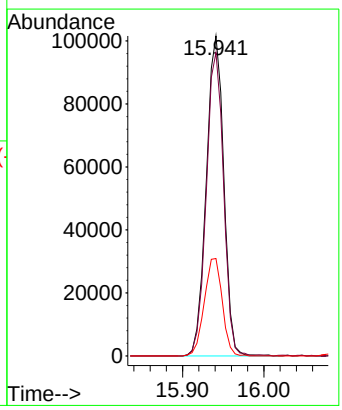
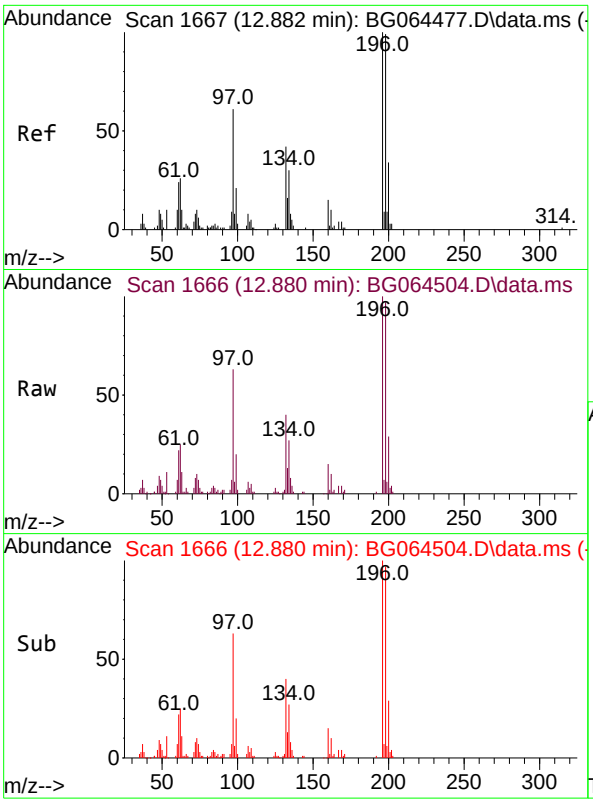


#42
2,4,6-Tribromophenol
Concen: 154.840 ng
RT: 15.941 min Scan# 2187
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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# 1
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:196 Resp: 6294

Ion	Ratio	Lower	Upper
196	100		
198	96.5	79.3	118.9
200	28.6	27.4	41.2

Instrument :
BNA_G
ClientSampleId :
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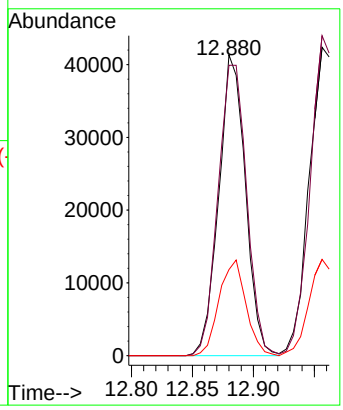
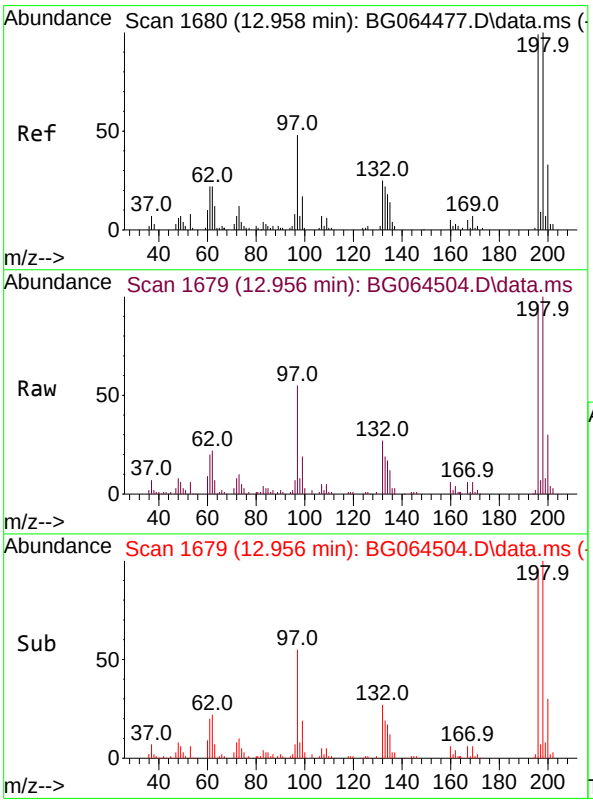
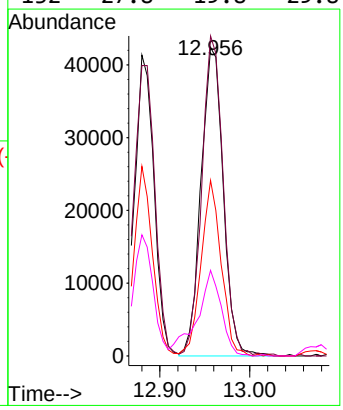


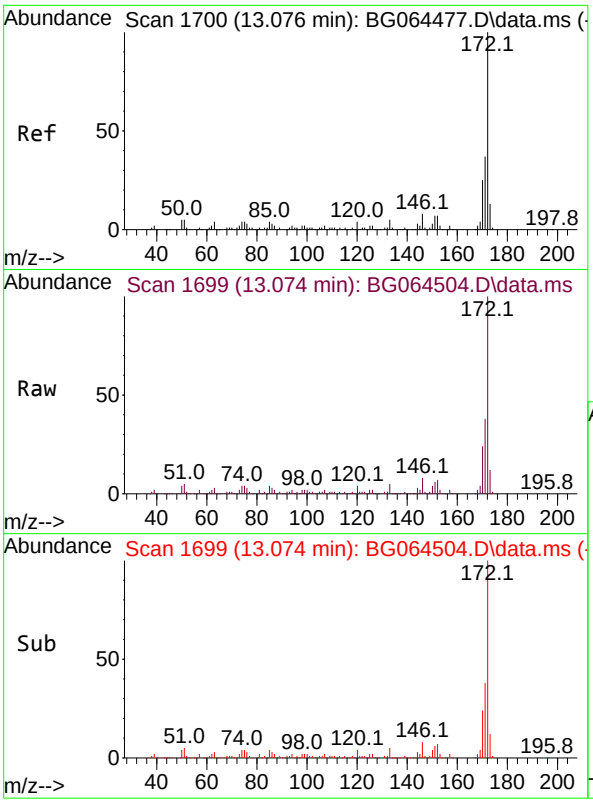


#44
2,4,5-Trichlorophenol
Concen: 58.417 ng
RT: 12.956 min Scan# 1679
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

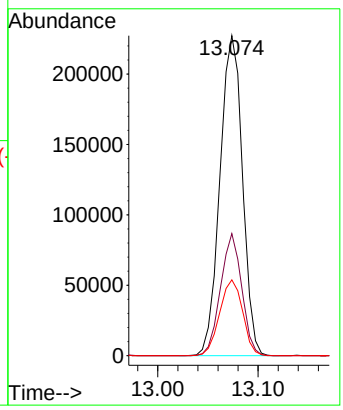




#45
2-Fluorobiphenyl
Concen: 96.499 ng
RT: 13.074 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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



Instrument :
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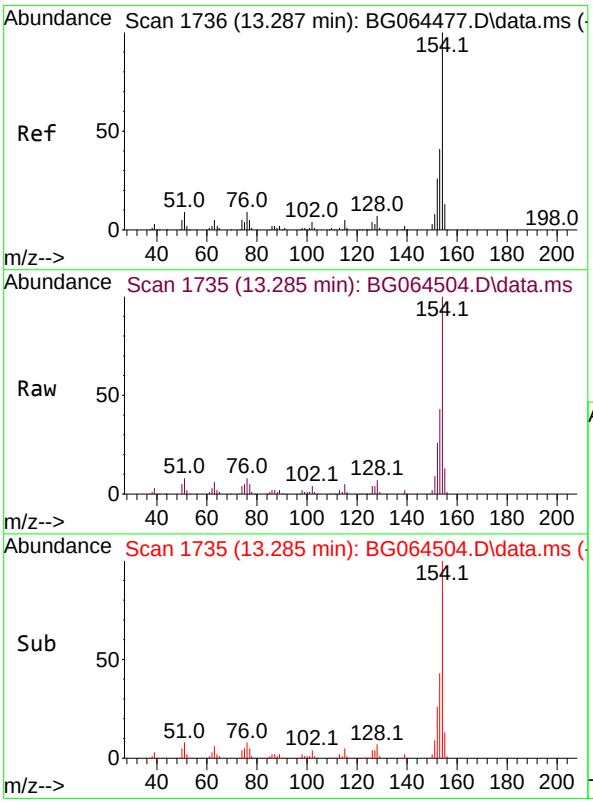
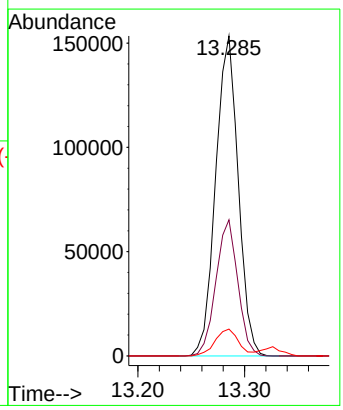
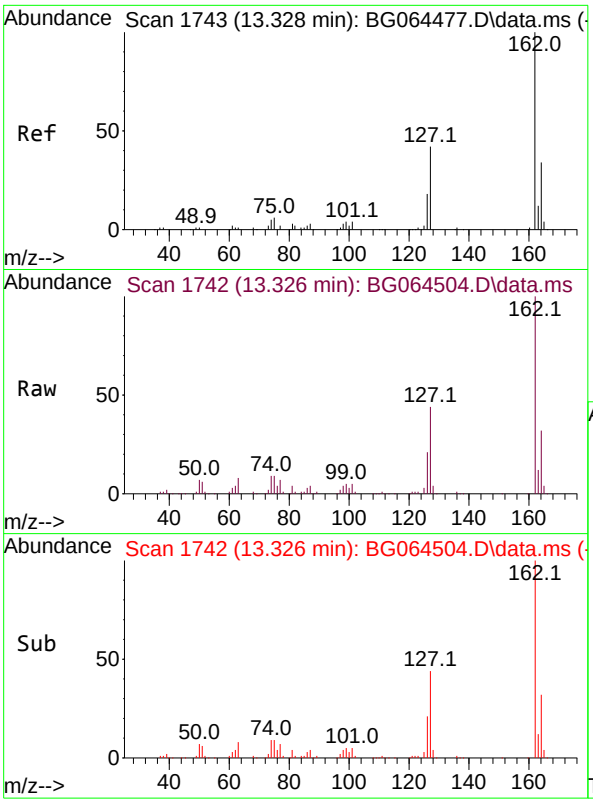


#46
1,1'-Biphenyl
Concen: 57.907 ng
RT: 13.285 min Scan# 1735
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

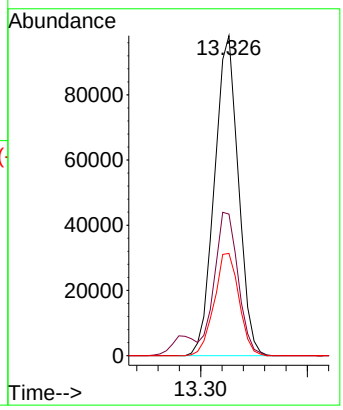




#47
2-Chloronaphthalene
Concen: 52.608 ng
RT: 13.326 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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



Instrument :
BNA_G
ClientSampleId :
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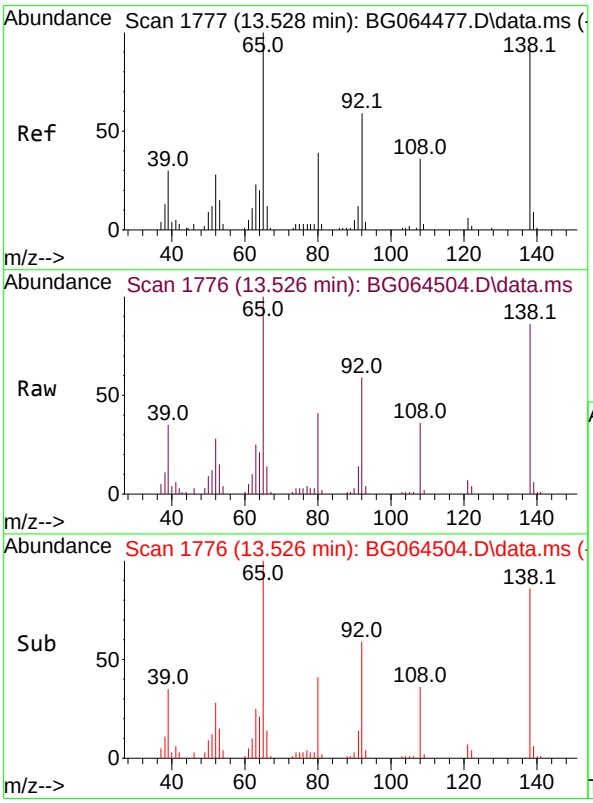
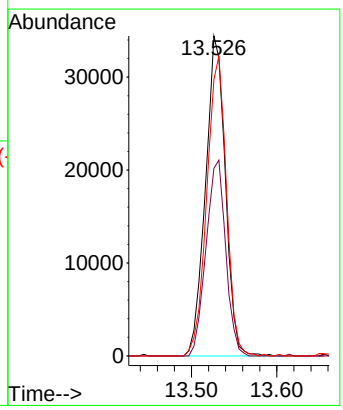
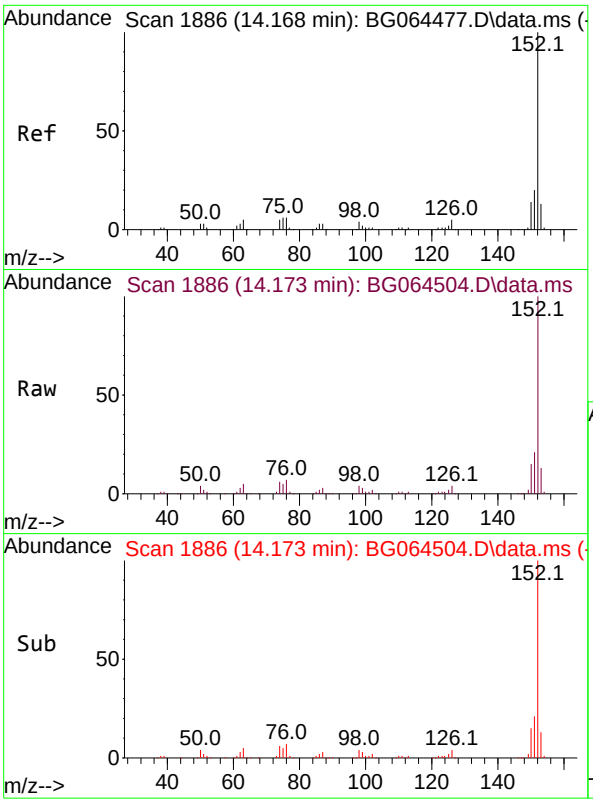


#48
2-Nitroaniline
Concen: 55.996 ng
RT: 13.526 min Scan# 1776
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

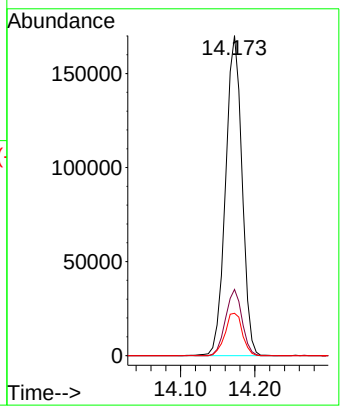




#49
Acenaphthylene
Concen: 60.599 ng
RT: 14.173 min Scan# 18
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:152 Resp: 26177

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.8	23.6
153	13.2	10.6	15.8



Instrument :
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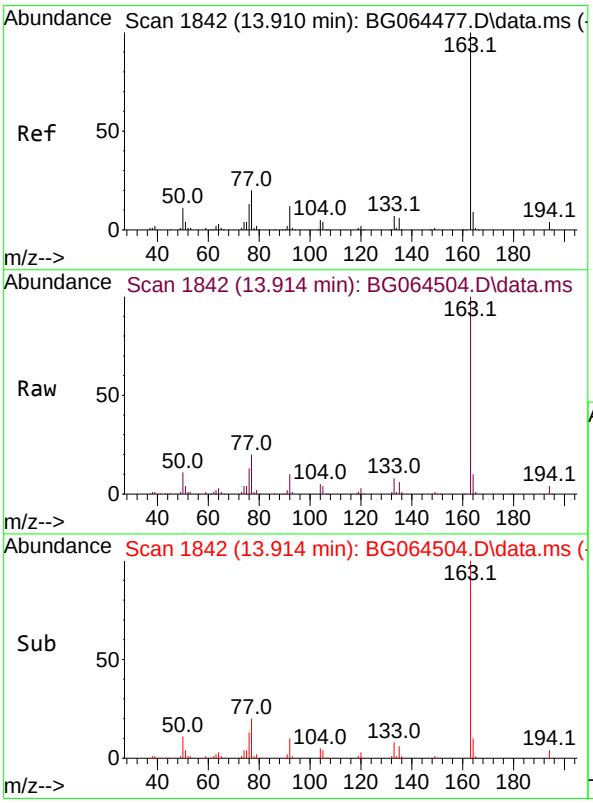
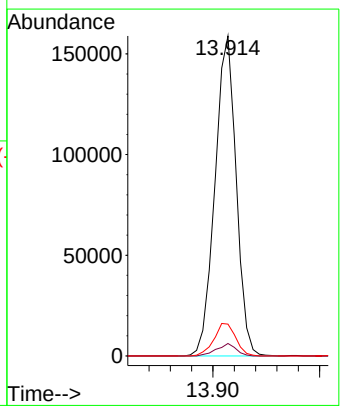
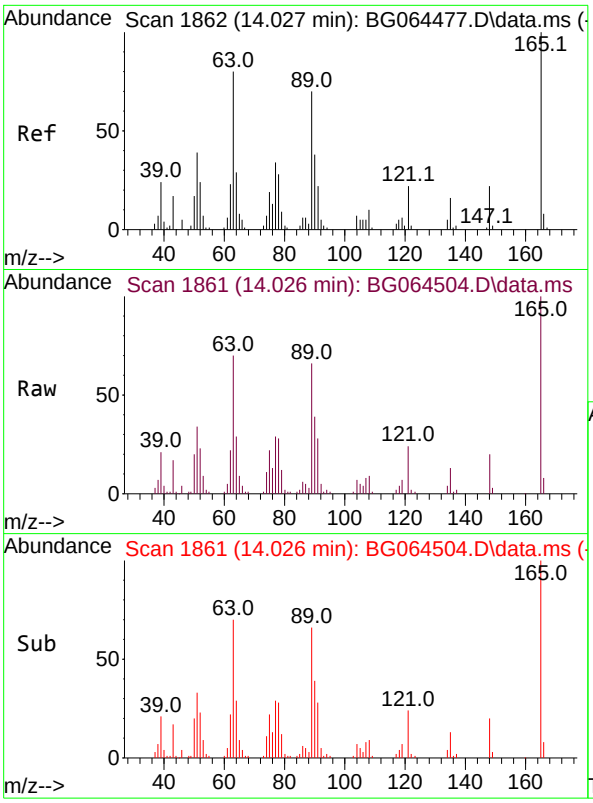


#50
Dimethylphthalate
Concen: 51.948 ng
RT: 13.914 min Scan# 1842
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

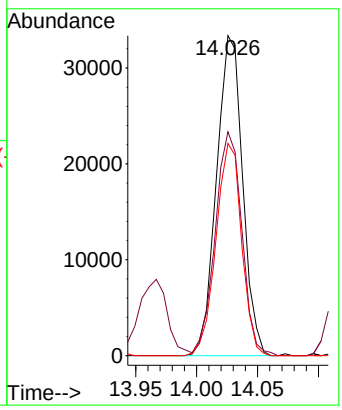




#51
2,6-Dinitrotoluene
Concen: 56.125 ng
RT: 14.026 min Scan# 18
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:165 Resp: 4962

Ion	Ratio	Lower	Upper
165	100		
63	69.9	63.9	95.9
89	66.3	56.1	84.1



Instrument :
BNA_G
ClientSampleId :
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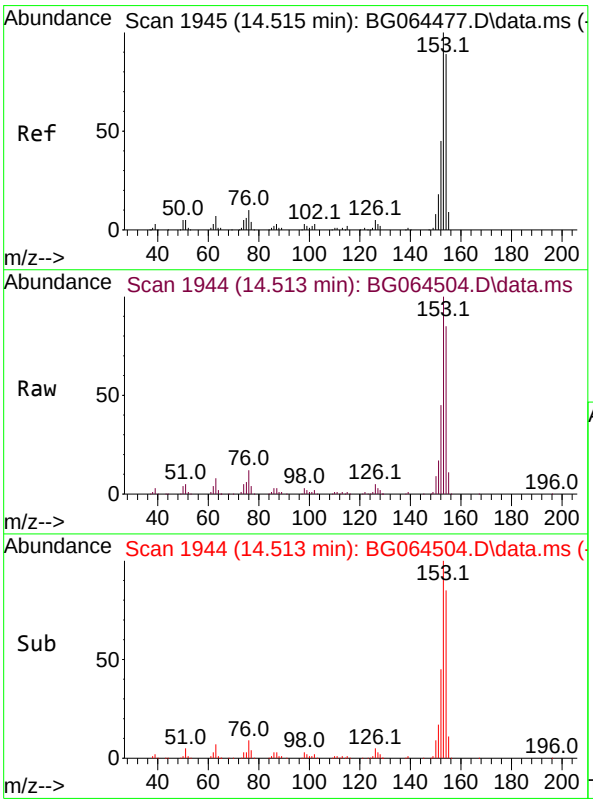
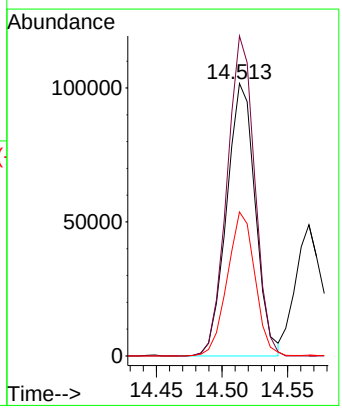
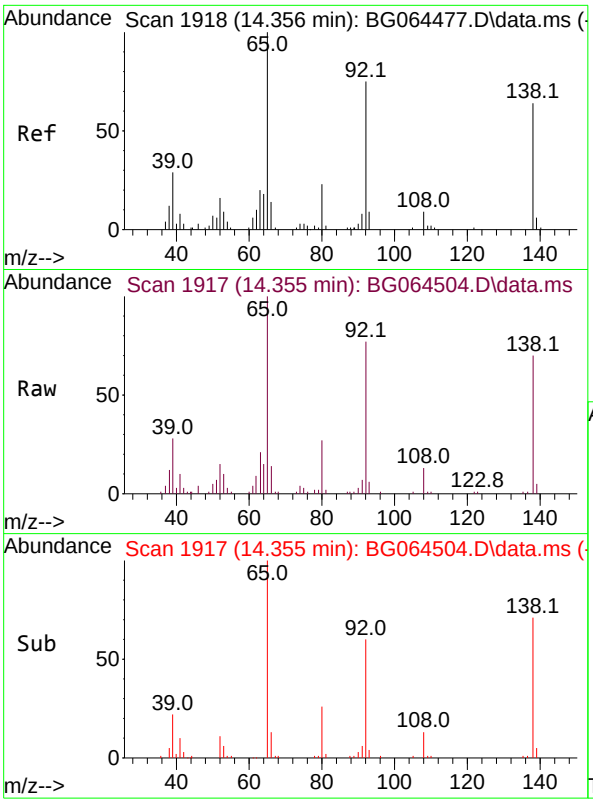


#52
Acenaphthene
Concen: 51.581 ng
RT: 14.513 min Scan# 1944
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

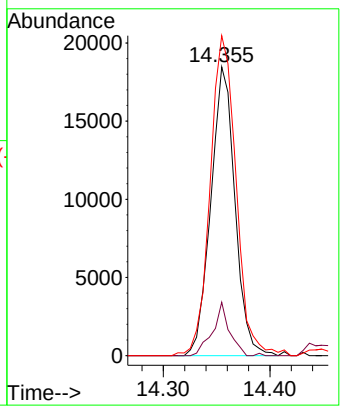




#53
3-Nitroaniline
Concen: 35.752 ng
RT: 14.355 min Scan# 19
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:138 Resp: 2915

Ion	Ratio	Lower	Upper
138	100		
108	18.5	10.6	15.8#
92	110.8	93.2	139.8



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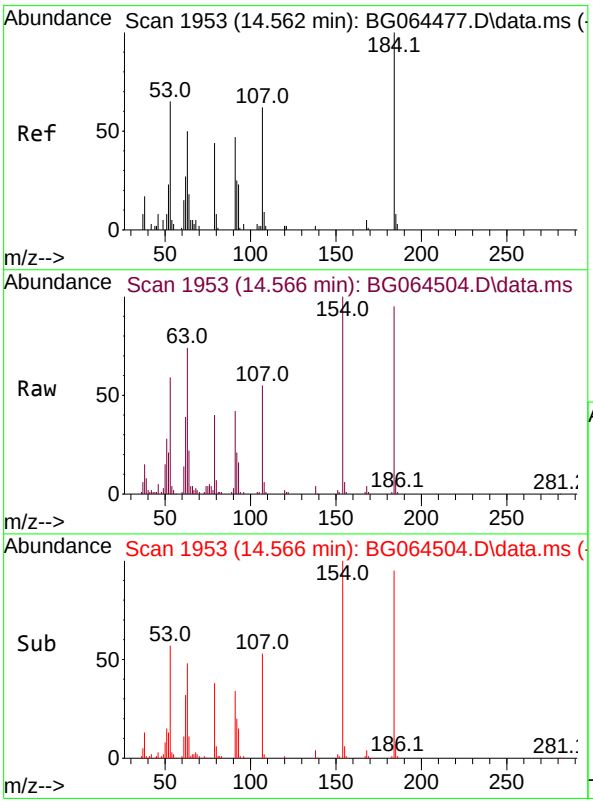
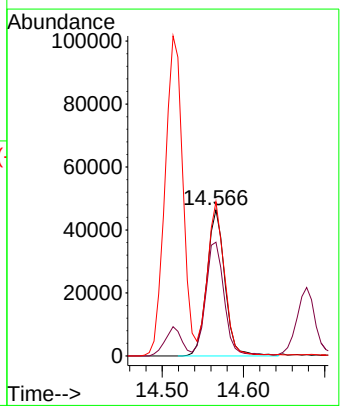
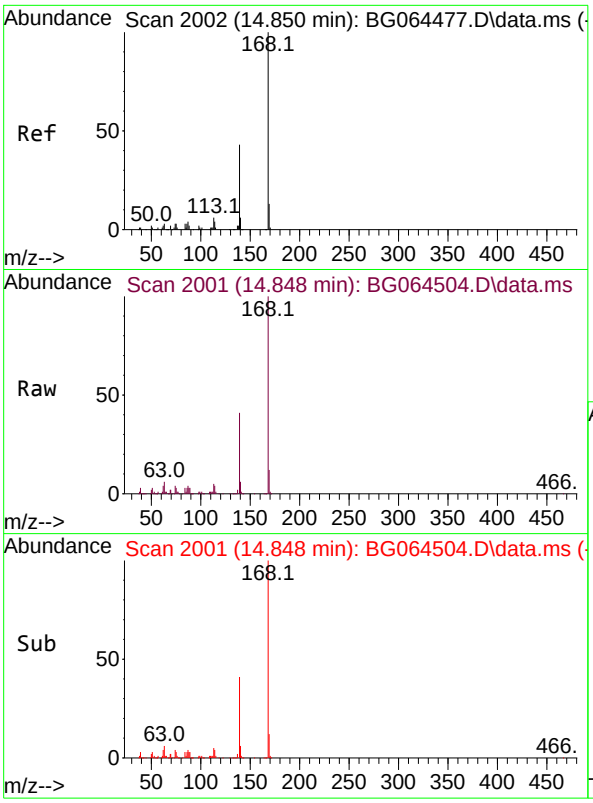


#54
2,4-Dinitrophenol
Concen: 111.146 ng
RT: 14.566 min Scan# 1953
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

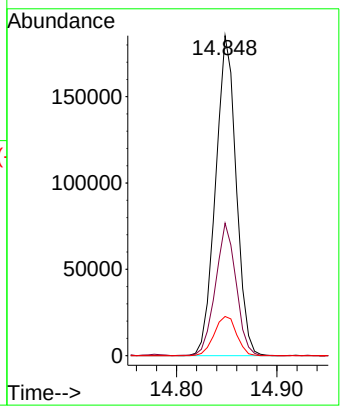




#55
Dibenzofuran
Concen: 53.444 ng
RT: 14.848 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:168 Resp: 26483

Ion	Ratio	Lower	Upper
168	100		
139	41.4	34.0	51.0
169	12.2	10.2	15.2



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ClientSampleId :
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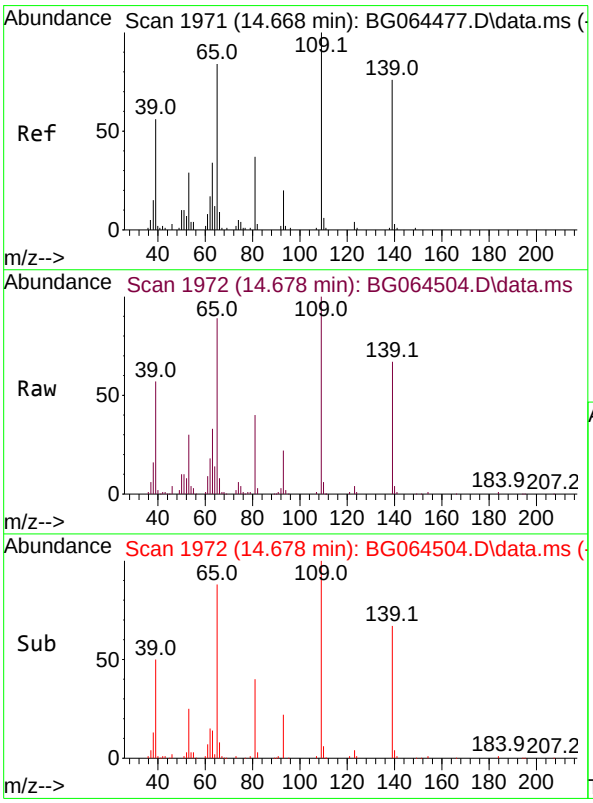
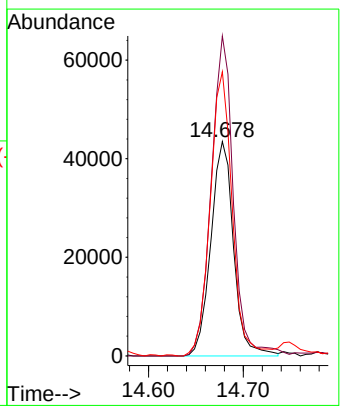
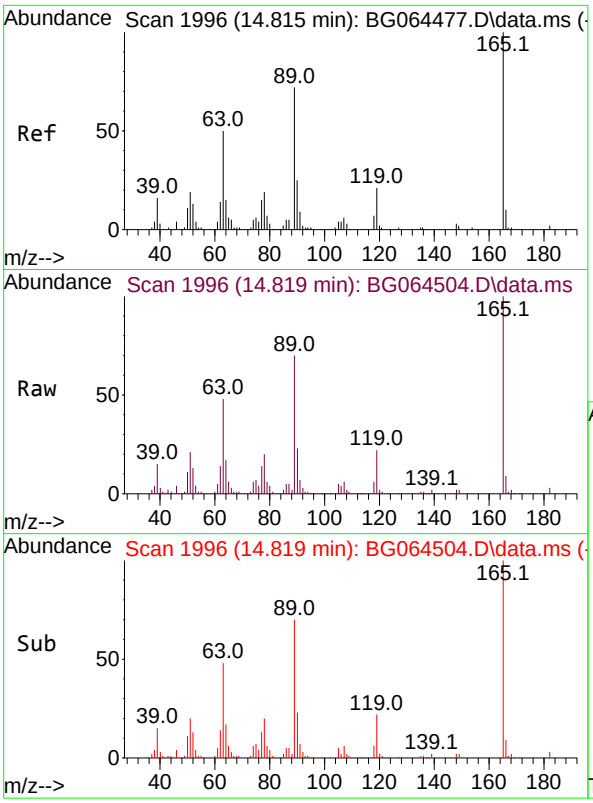


#56
4-Nitrophenol
Concen: 112.361 ng
RT: 14.678 min Scan# 1972
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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#

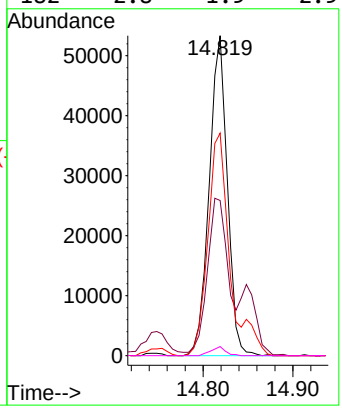




#57
2,4-Dinitrotoluene
Concen: 55.288 ng
RT: 14.819 min Scan# 19
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:165 Resp: 7472

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



Instrument :
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ClientSampleId :
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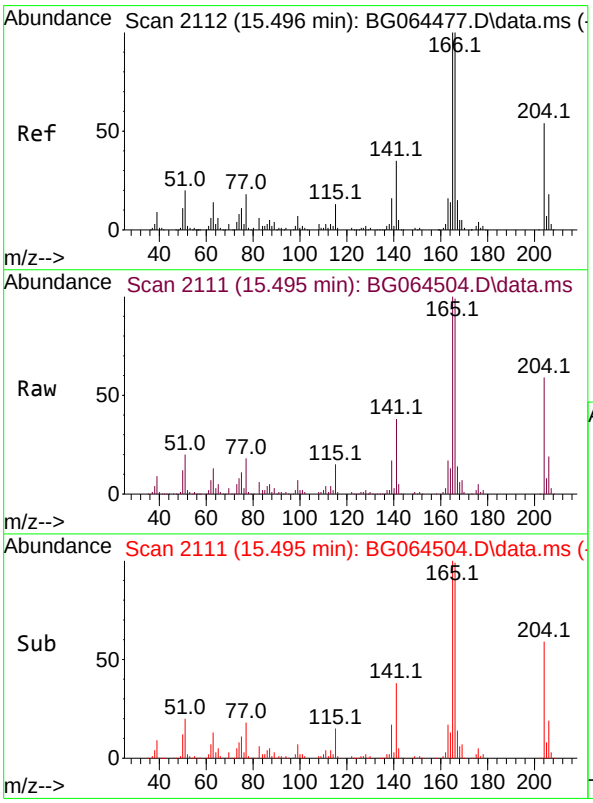
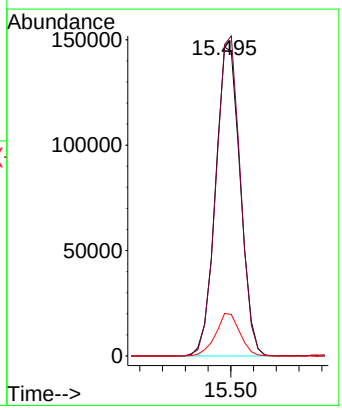
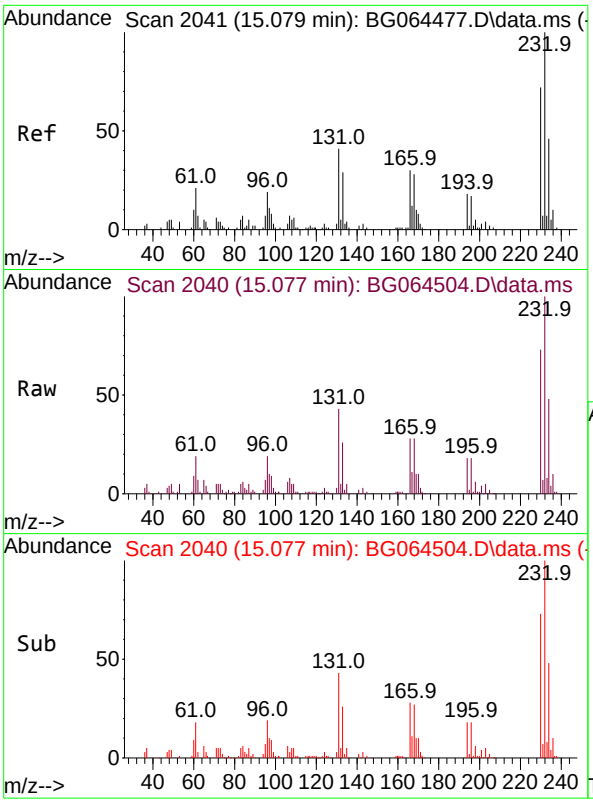


#58
Fluorene
Concen: 53.798 ng
RT: 15.495 min Scan# 2111
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

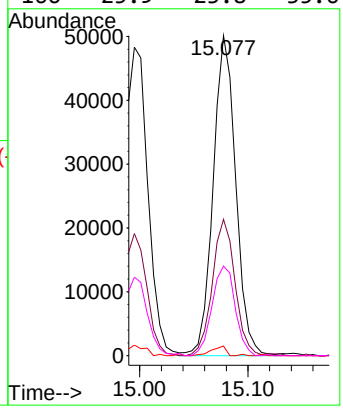




#59
2,3,4,6-Tetrachlorophenol
Concen: 57.039 ng m
RT: 15.077 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:232 Resp: 7269

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



Instrument :
BNA_G
ClientSampleId :
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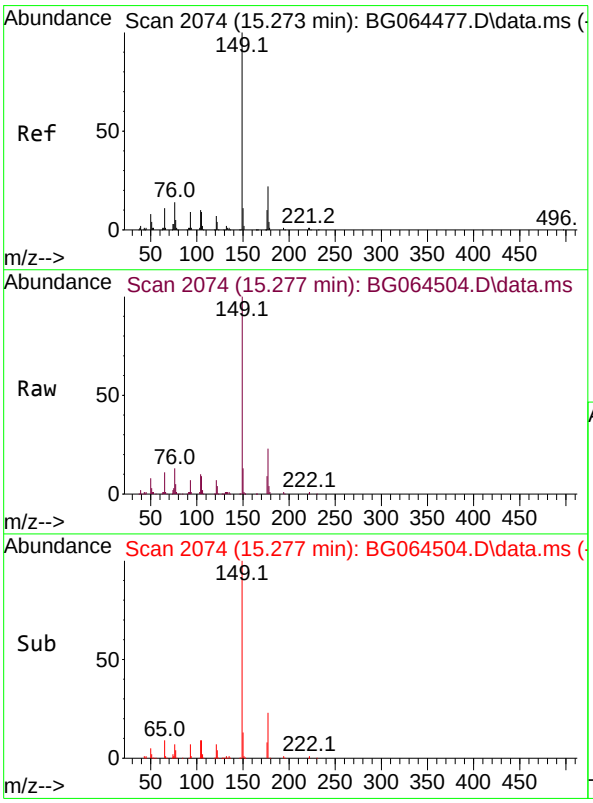
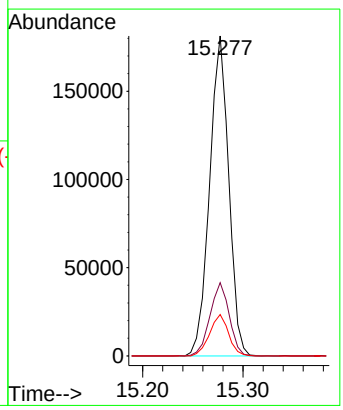
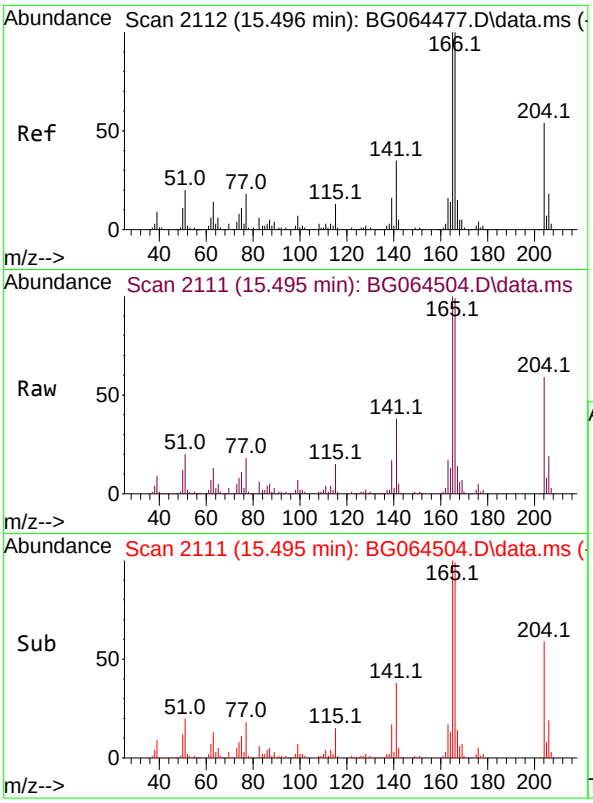


#60
Diethylphthalate
Concen: 52.688 ng
RT: 15.277 min Scan# 2074
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

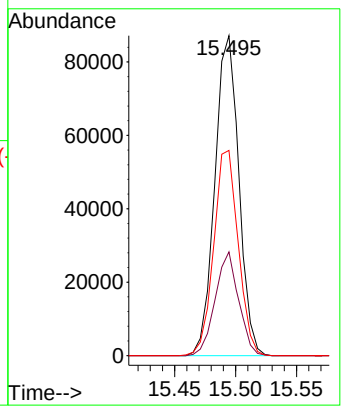




#61
4-Chlorophenyl-phenylether
Concen: 53.056 ng
RT: 15.495 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:204 Resp: 11932

Ion	Ratio	Lower	Upper
204	100		
206	32.4	27.1	40.7
141	64.1	51.5	77.3



Instrument :
BNA_G
ClientSampleId :
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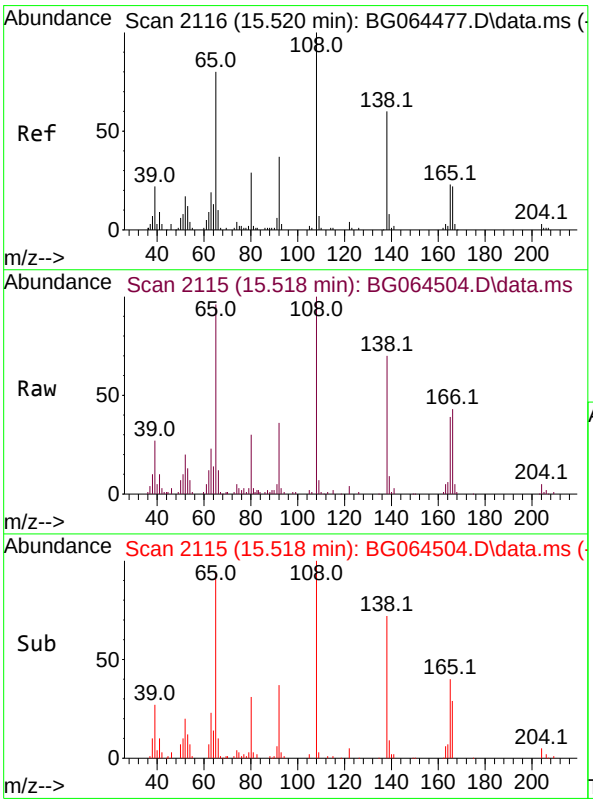
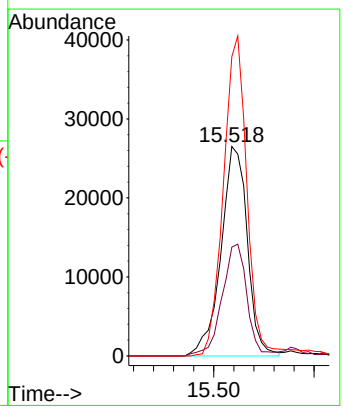
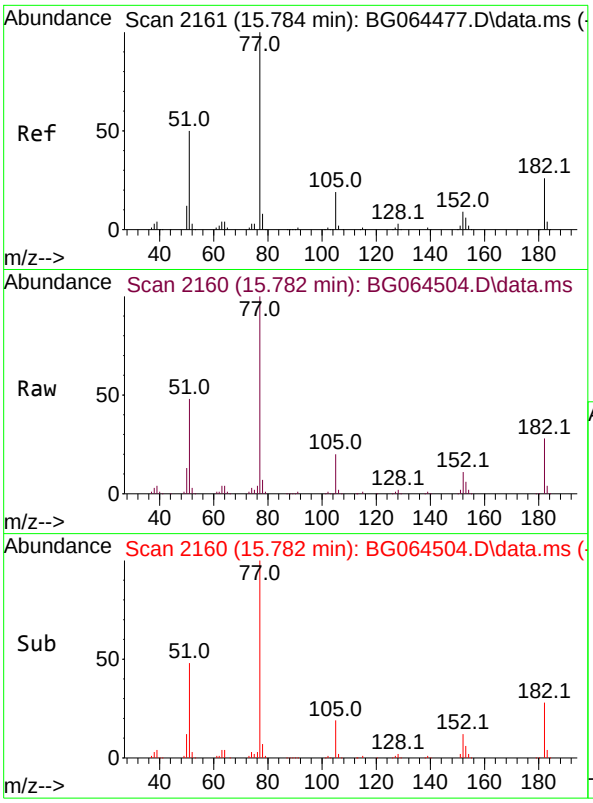


#62
4-Nitroaniline
Concen: 56.864 ng
RT: 15.518 min Scan# 2115
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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#

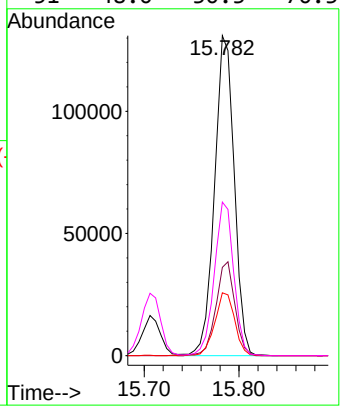




#63
Azobenzene
Concen: 53.509 ng
RT: 15.782 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion: 77 Resp: 18867

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



Instrument :
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ClientSampleId :
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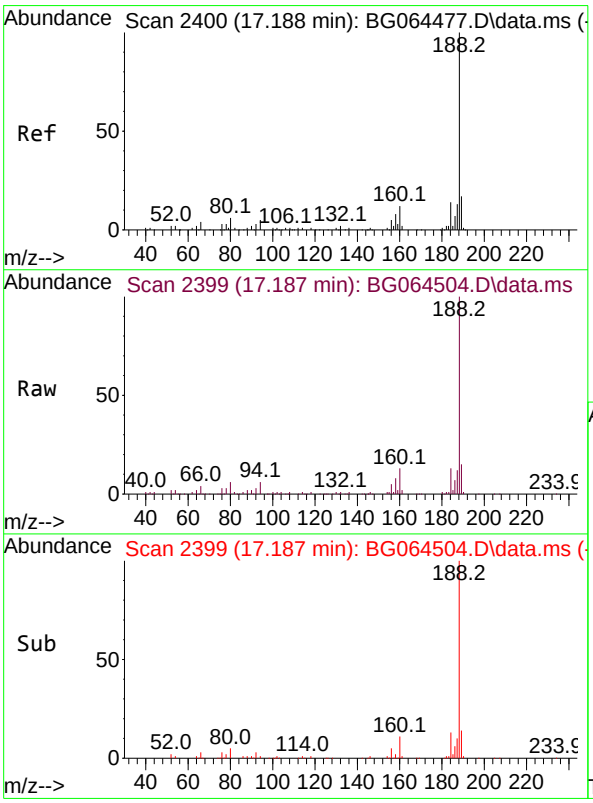
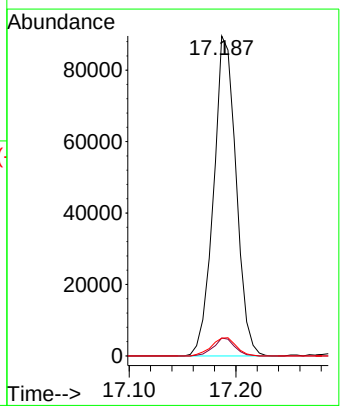
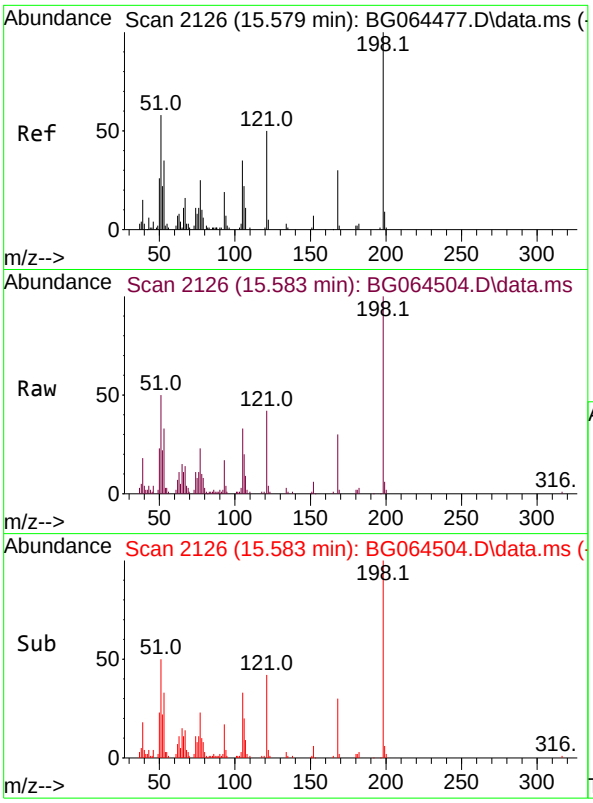


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.187 min Scan# 2399
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:188 Resp: 131474

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# 21
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:198 Resp: 5310

Ion	Ratio	Lower	Upper
198	100		
51	49.7	39.0	79.0
105	33.2	15.8	55.8

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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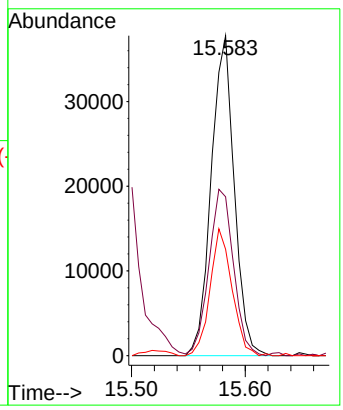
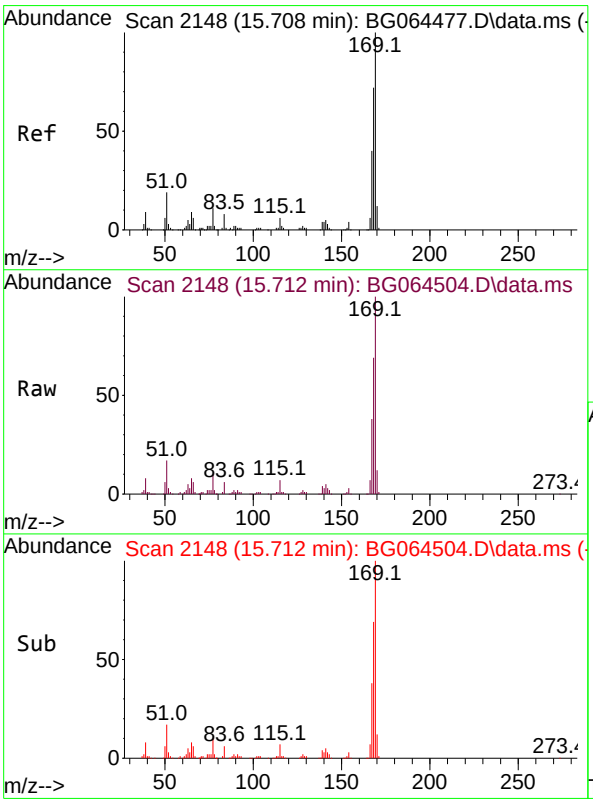
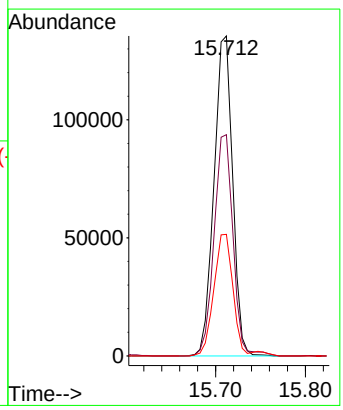


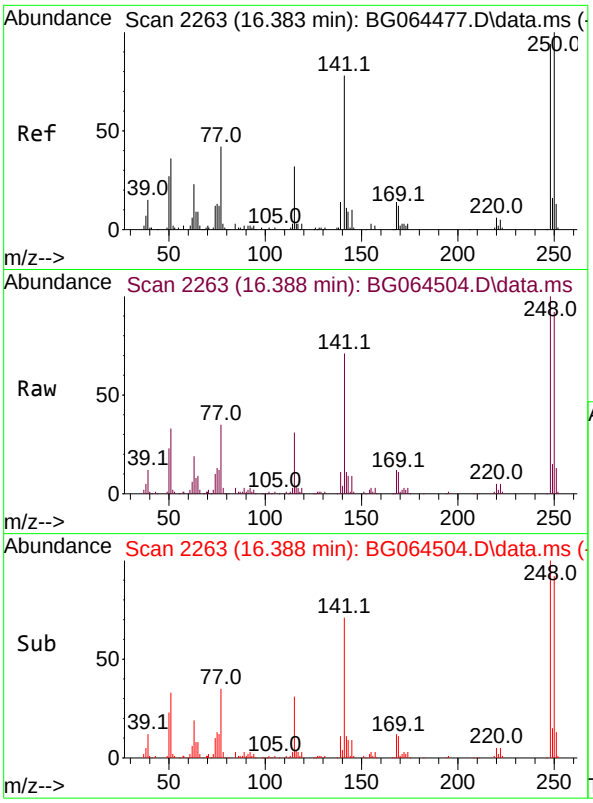


#66
n-Nitrosodiphenylamine
Concen: 55.558 ng
RT: 15.712 min Scan# 2148
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:169 Resp: 195059

Ion	Ratio	Lower	Upper
169	100		
168	69.1	57.8	86.6
167	38.0	31.7	47.5

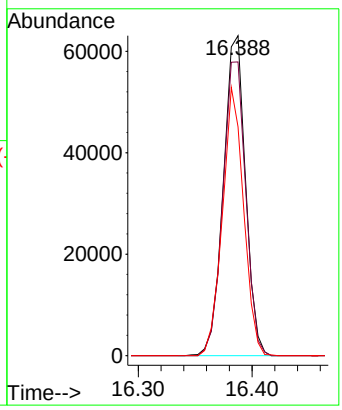




#67
4-Bromophenyl-phenylether
Concen: 55.160 ng
RT: 16.388 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:248 Resp: 8534

Ion	Ratio	Lower	Upper
248	100		
250	91.8	85.3	127.9
141	71.5	66.2	99.2



Instrument :
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ClientSampleId :
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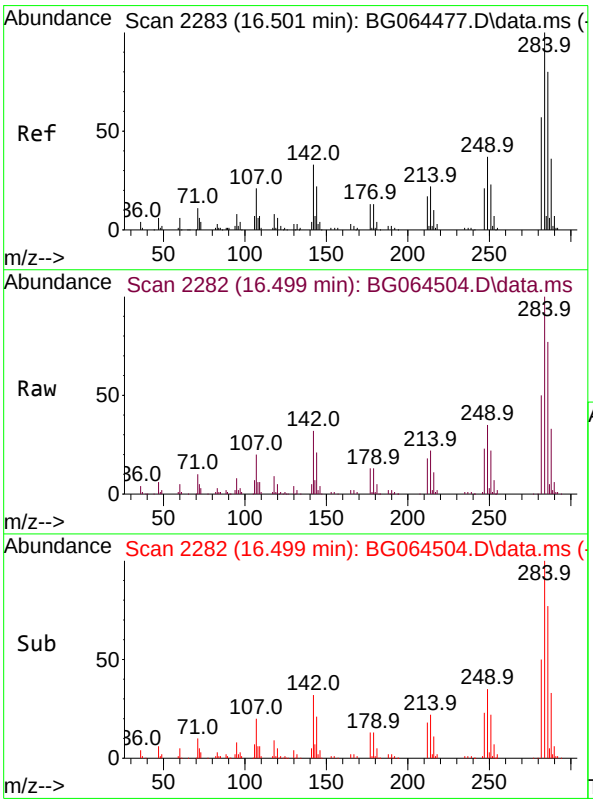
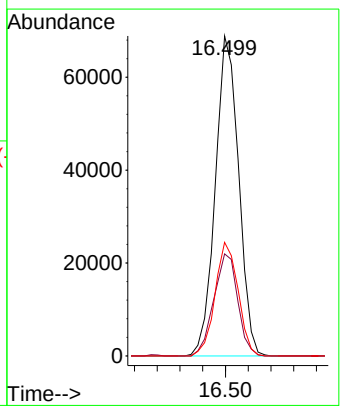
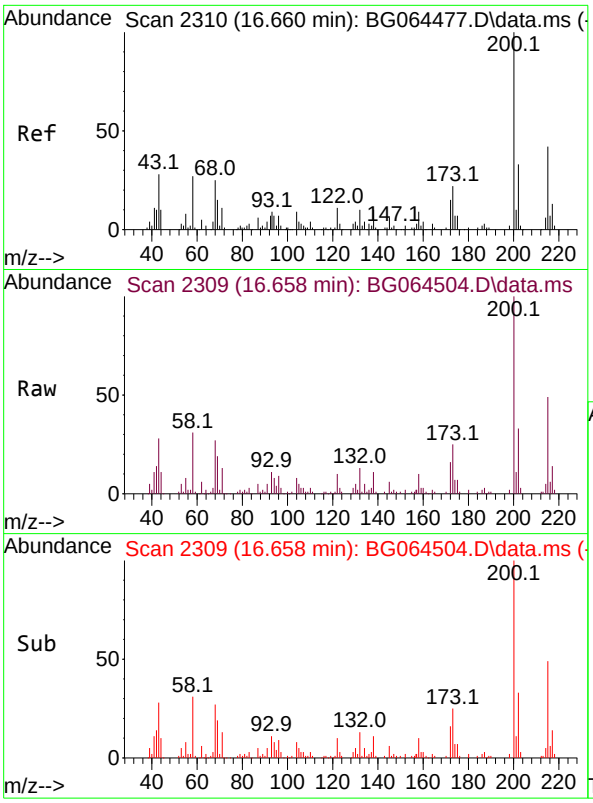


#68
Hexachlorobenzene
Concen: 55.419 ng
RT: 16.499 min Scan# 2282
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

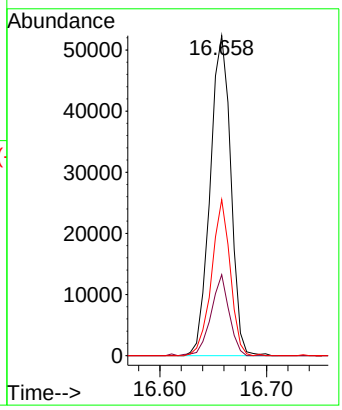




#69
Atrazine
Concen: 45.106 ng
RT: 16.658 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:200 Resp: 7045

Ion	Ratio	Lower	Upper
200	100		
173	25.3	2.5	42.5
215	48.7	21.5	61.5



Instrument :
BNA_G
ClientSampleId :
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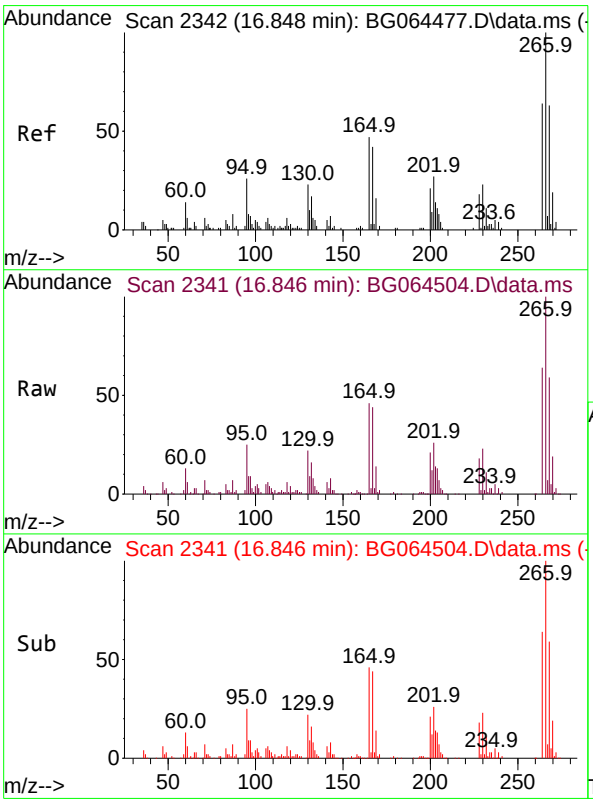
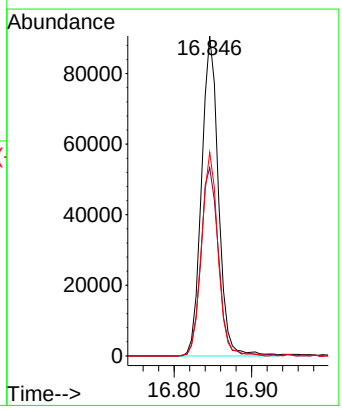
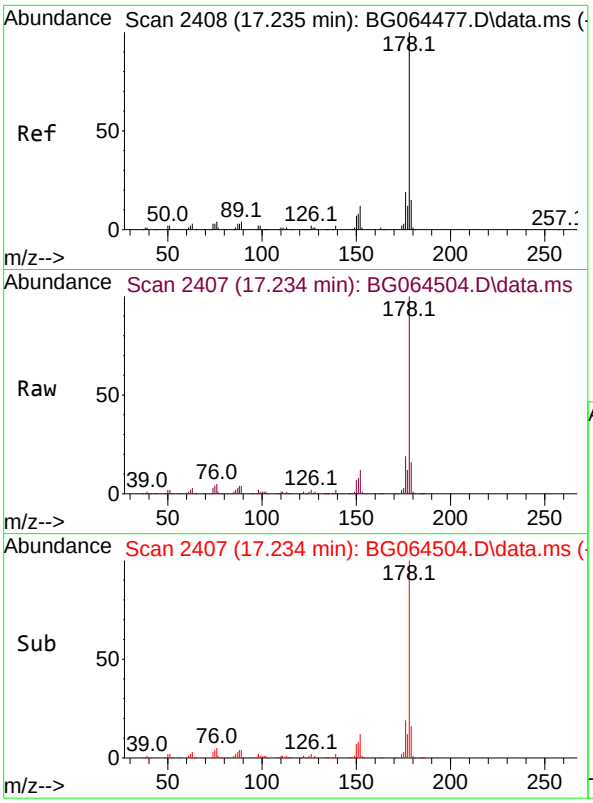


#70
Pentachlorophenol
Concen: 132.140 ng
RT: 16.846 min Scan# 2341
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

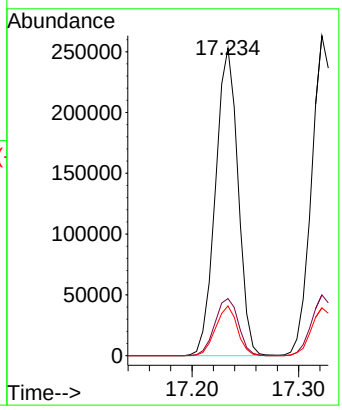




#71
Phenanthrene
Concen: 54.165 ng
RT: 17.234 min Scan# 24
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:178 Resp: 37240

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	16.2	11.8	17.6



Instrument :
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ClientSampleId :
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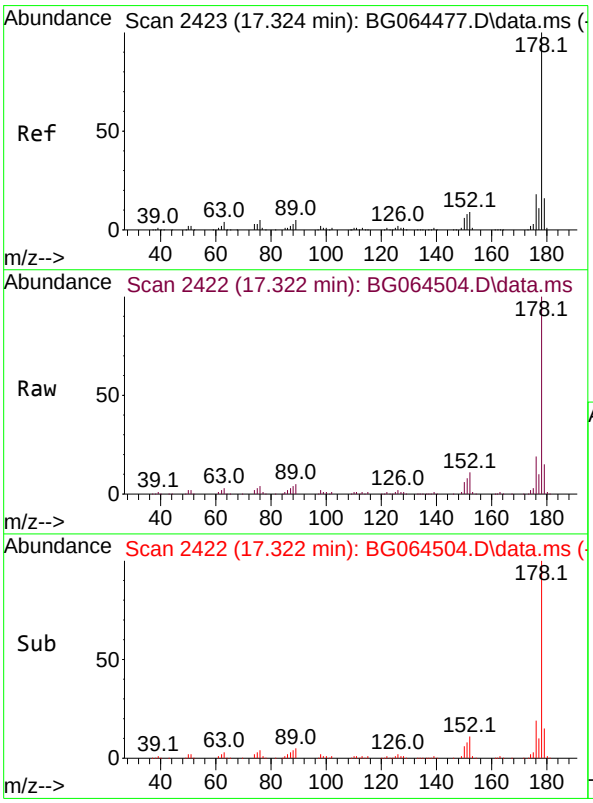
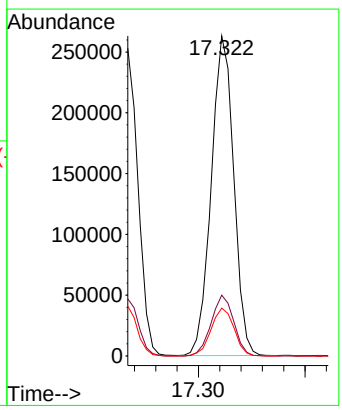
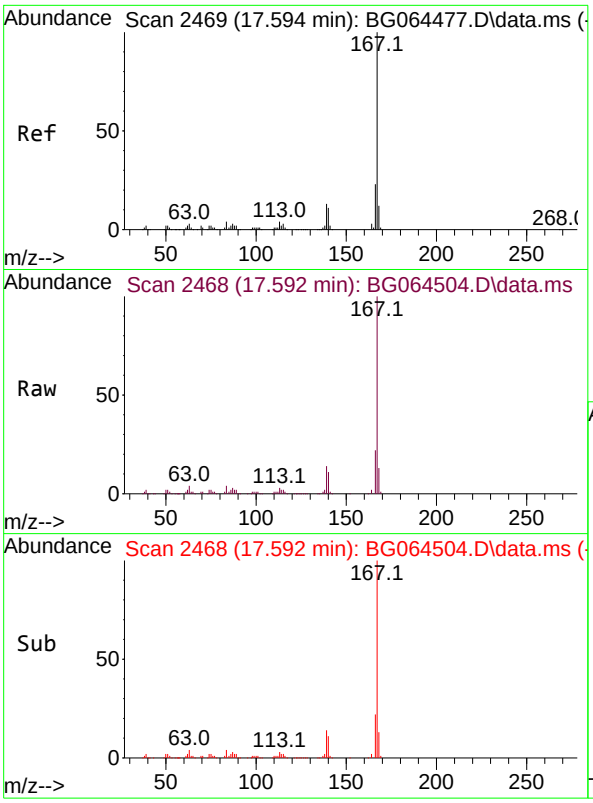


#72
Anthracene
Concen: 56.026 ng
RT: 17.322 min Scan# 2422
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:178 Resp: 386442

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# 24
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:167 Resp: 35186

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.6	27.8
139	13.6	10.2	15.4

Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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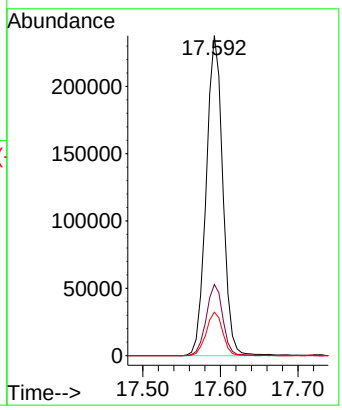
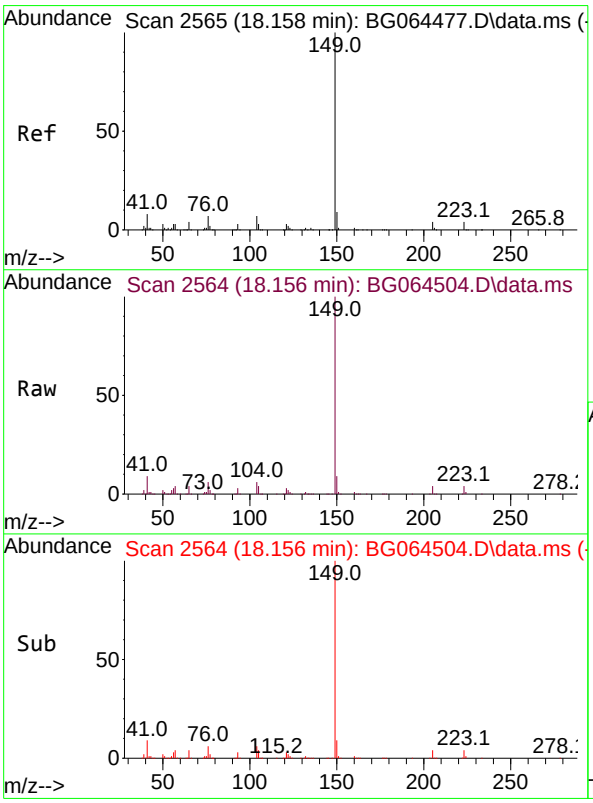
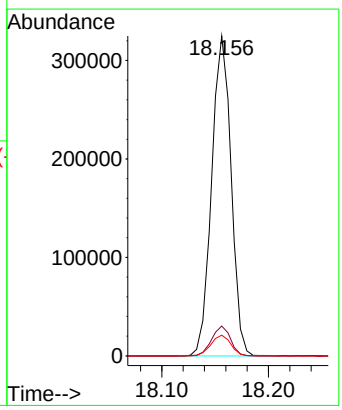


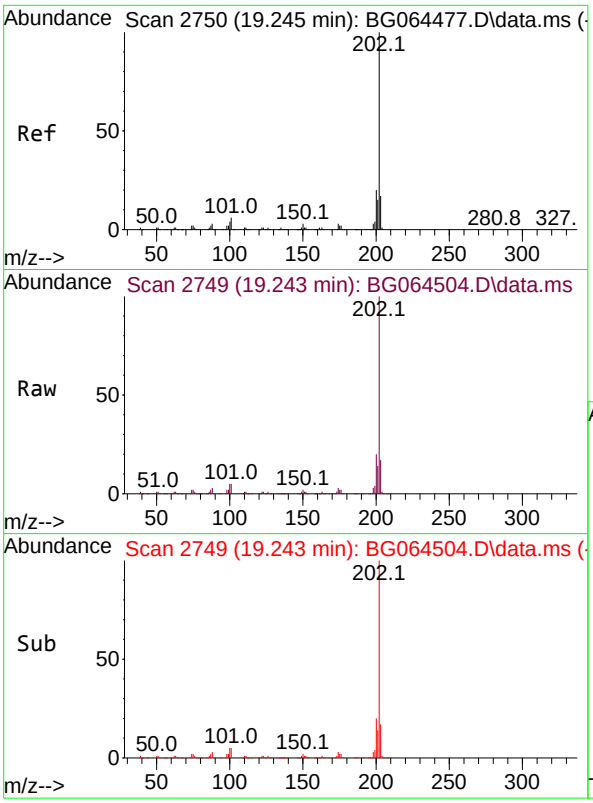


#74
Di-n-butylphthalate
Concen: 56.652 ng
RT: 18.156 min Scan# 2564
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

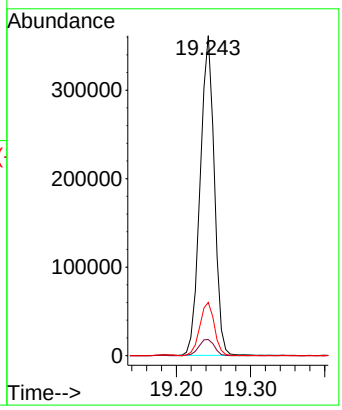




#75
Fluoranthene
Concen: 58.323 ng
RT: 19.243 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:202 Resp: 47905

Ion	Ratio	Lower	Upper
202	100		
101	5.0	0.0	25.7
203	16.6	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
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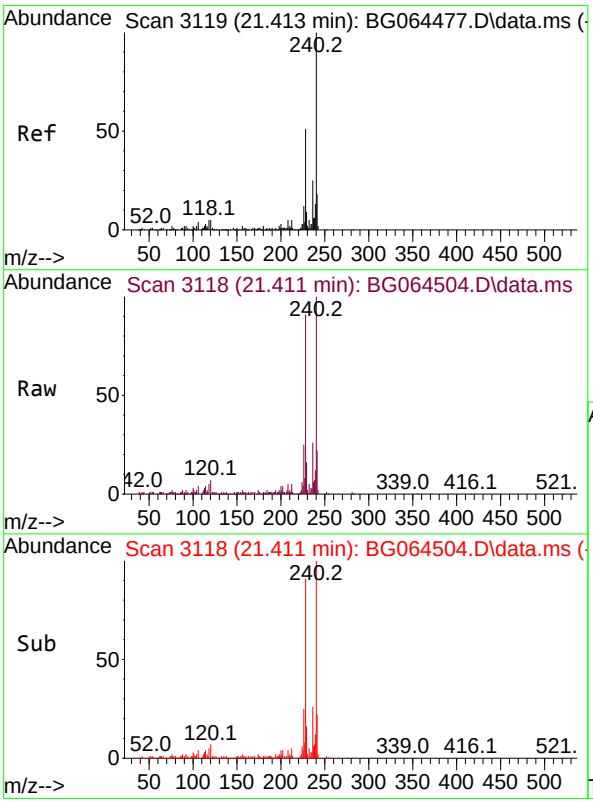
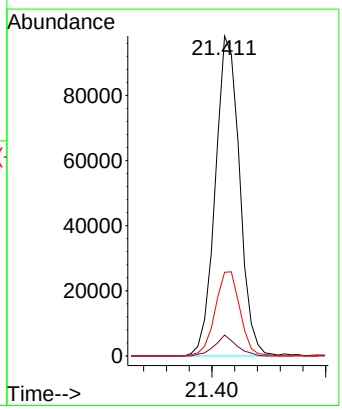
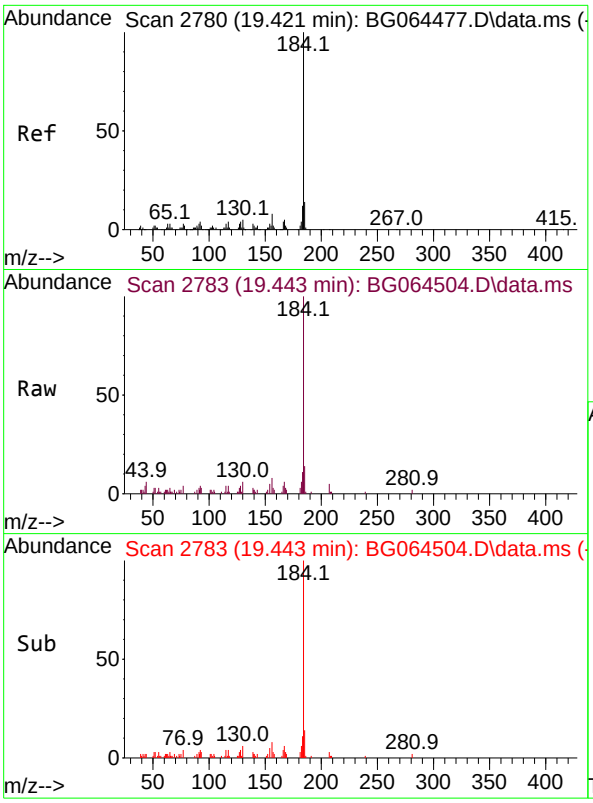


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.411 min Scan# 3118
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

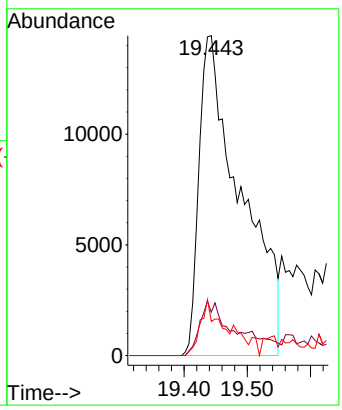




#77
Benzidine
Concen: 18.383 ng
RT: 19.443 min Scan# 2
Delta R.T. 0.018 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:184 Resp: 6656

Ion	Ratio	Lower	Upper
184	100		
185	13.6	10.9	16.3
183	10.7	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
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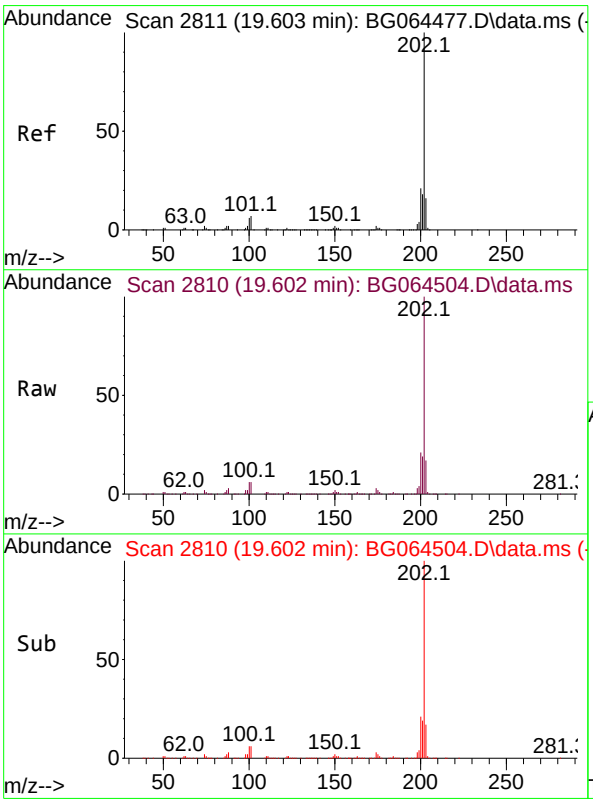
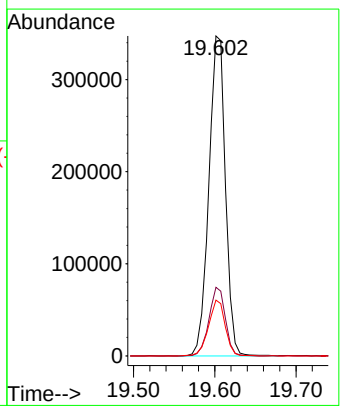
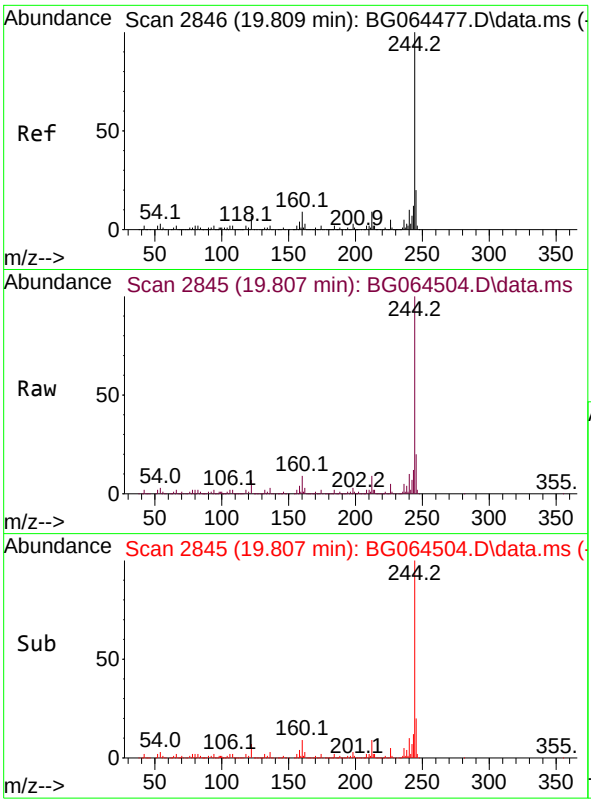


#78
Pyrene
Concen: 52.114 ng
RT: 19.602 min Scan# 2810
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:202 Resp: 492138

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.4	13.0	19.4

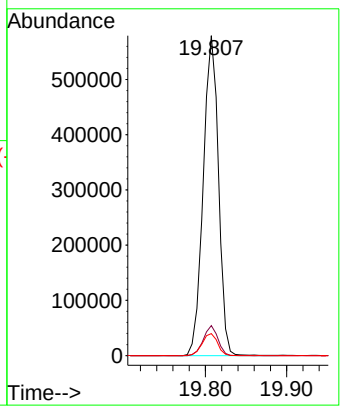




#79
Terphenyl-d14
Concen: 98.133 ng
RT: 19.807 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:244 Resp: 75454

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.0	10.6
122	6.9	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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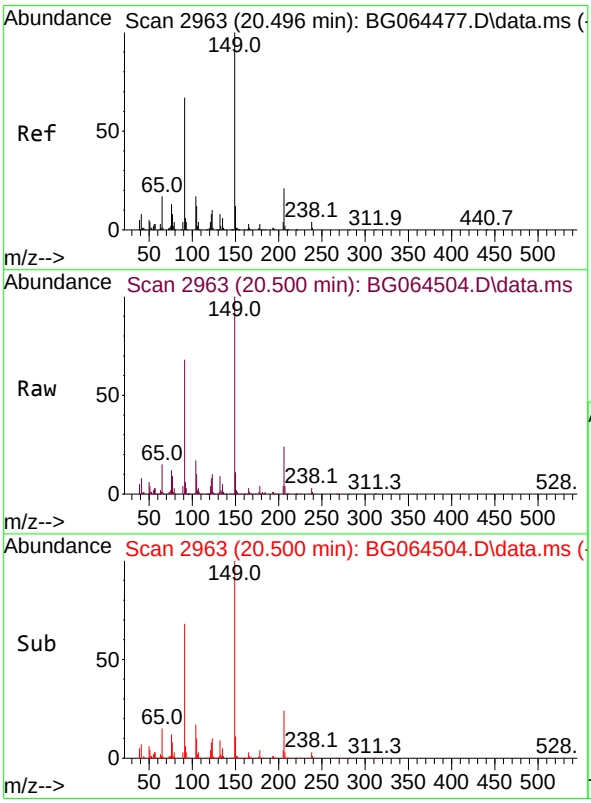
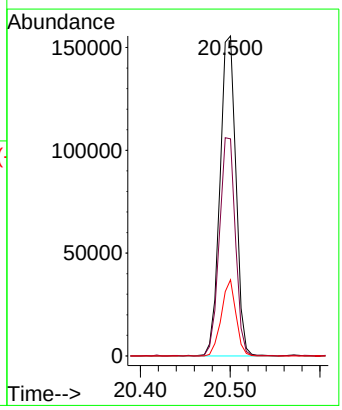
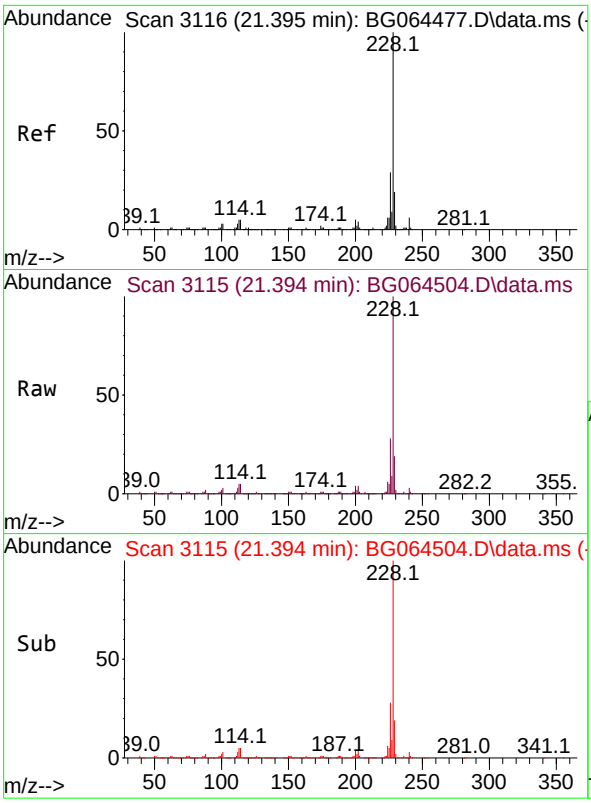


#80
Butylbenzylphthalate
Concen: 57.436 ng
RT: 20.500 min Scan# 2963
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

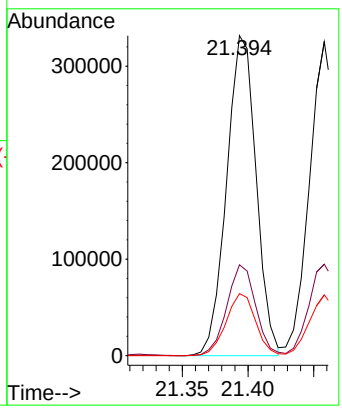




#81
Benzo(a)anthracene
Concen: 55.849 ng
RT: 21.394 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:228 Resp: 518901

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.8	34.2
229	19.4	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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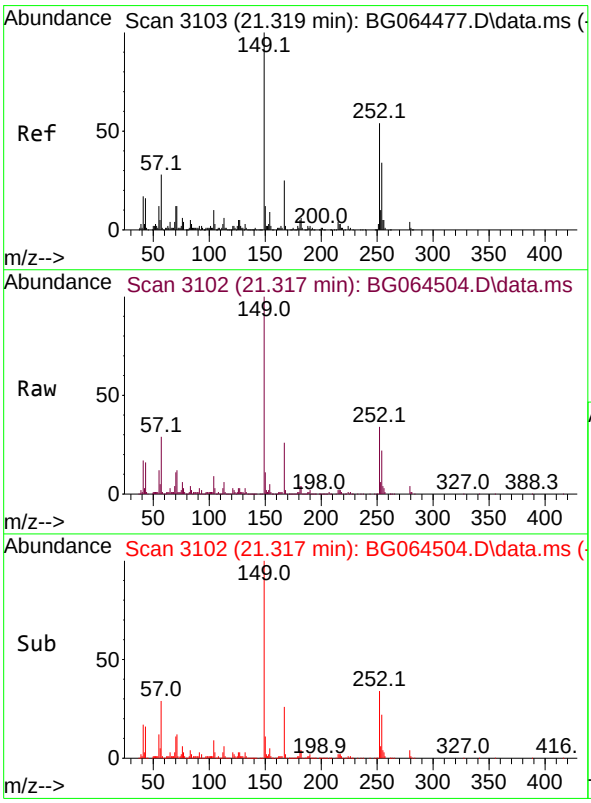
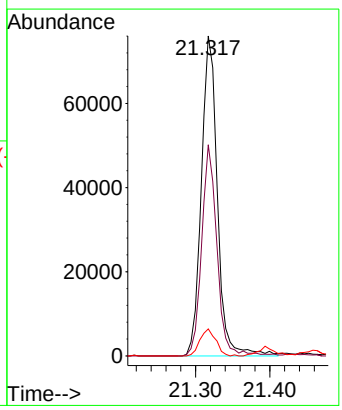
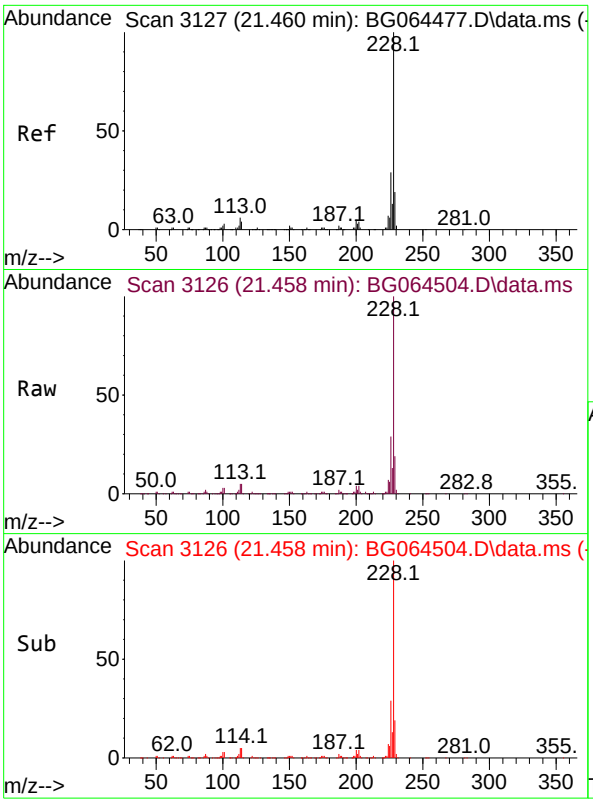


#82
3,3'-Dichlorobenzidine
Concen: 36.360 ng
RT: 21.317 min Scan# 3102
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

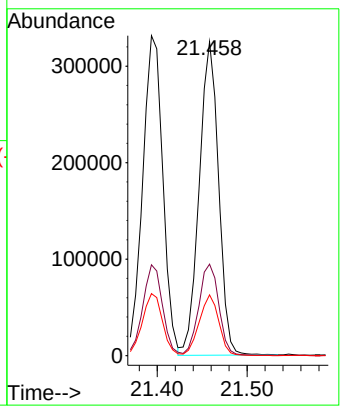




#83
Chrysene
Concen: 55.277 ng
RT: 21.458 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:228 Resp: 48707

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.8	34.2
229	19.3	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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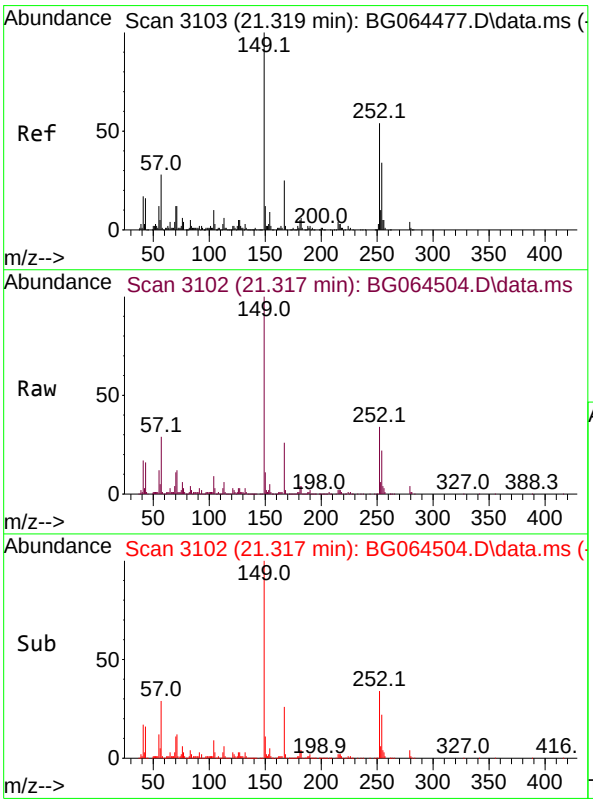
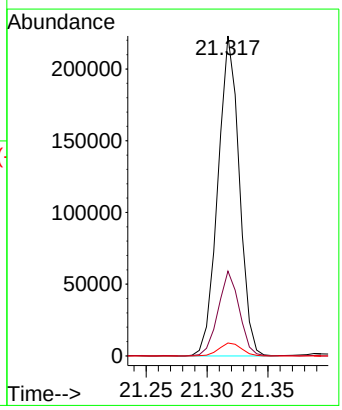
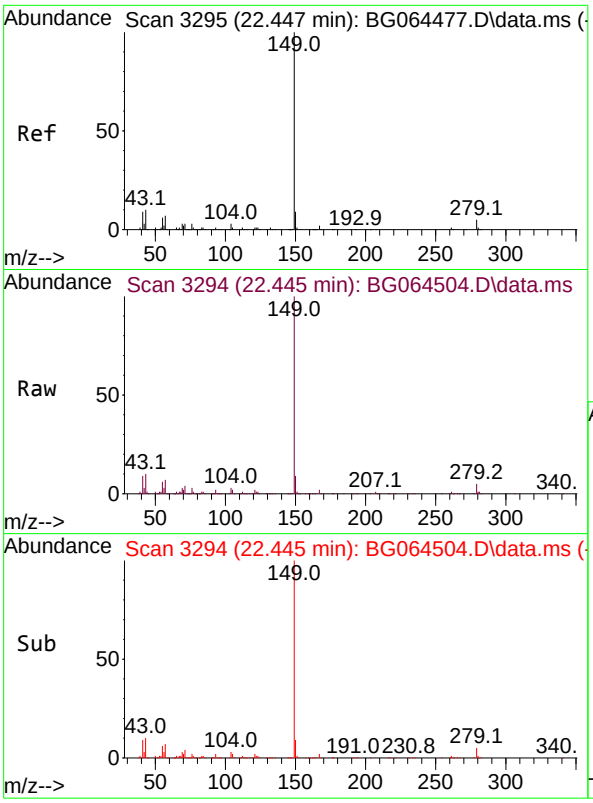


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.571 ng
RT: 21.317 min Scan# 3102
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

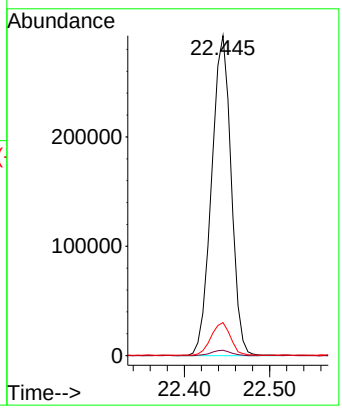




#85
Di-n-octyl phthalate
Concen: 58.833 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:149 Resp: 46703

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	10.2	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

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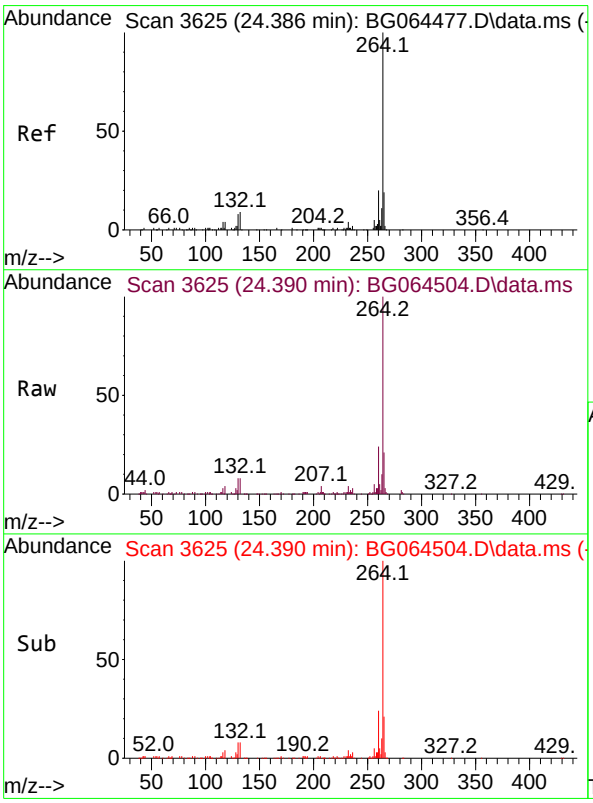
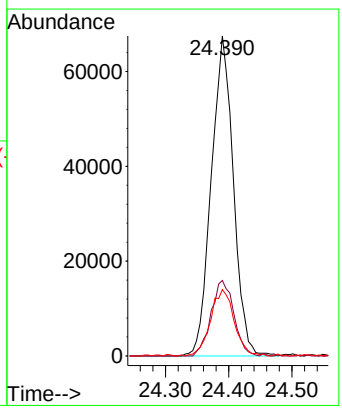
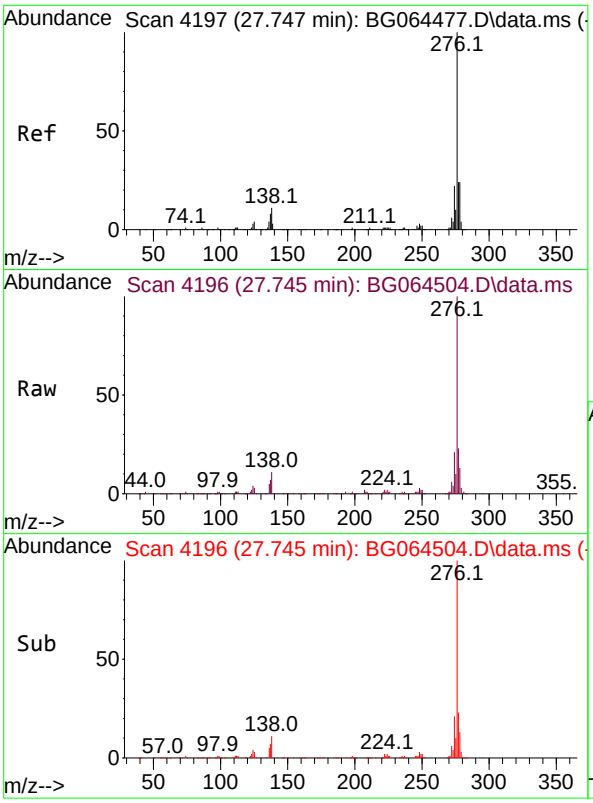


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.390 min Scan# 3625
Delta R.T. 0.001 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

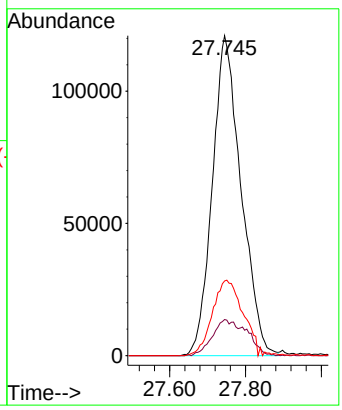




#87
Indeno(1,2,3-cd)pyrene
Concen: 55.769 ng
RT: 27.745 min Scan# 41
Delta R.T. 0.012 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

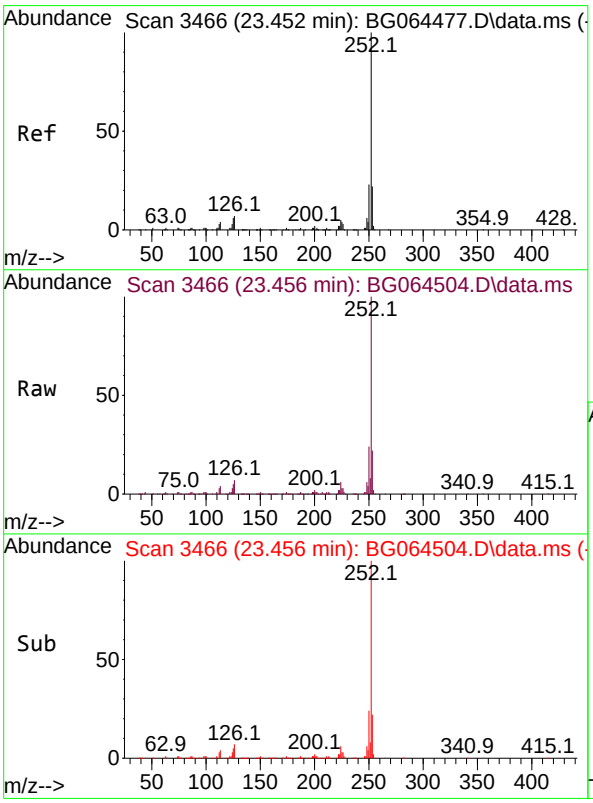
Tgt Ion:276 Resp: 636108

Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	25.3	20.3	30.5



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

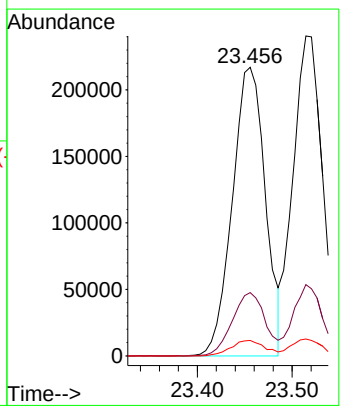
Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/15/2025
Supervised By :mohammad ahmed 10/17/2025

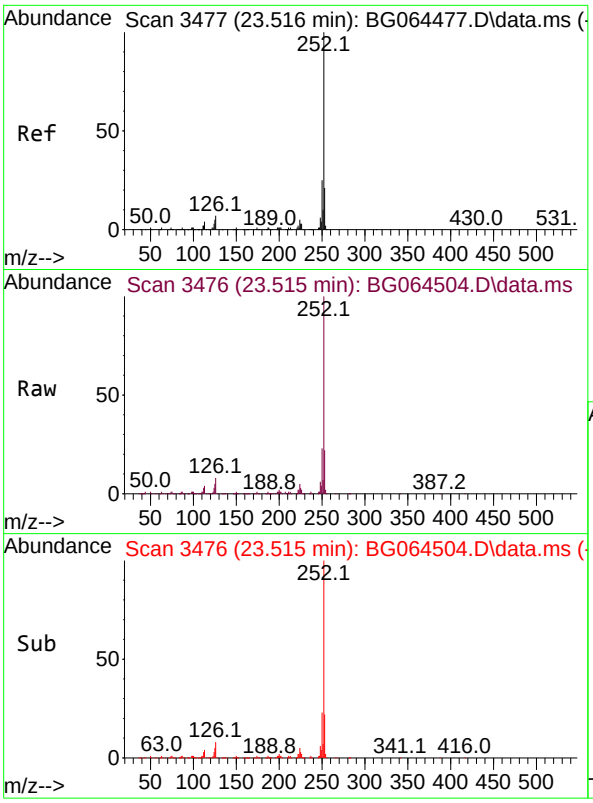


#88
Benzo(b)fluoranthene
Concen: 56.406 ng
RT: 23.456 min Scan# 3466
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

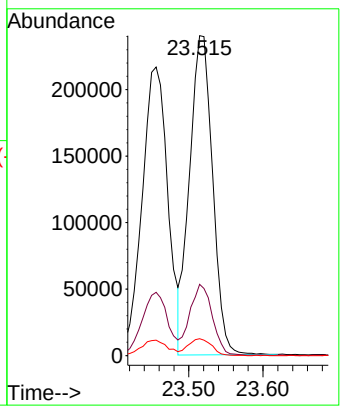




#89
Benzo(k)fluoranthene
Concen: 55.352 ng
RT: 23.515 min Scan# 34
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

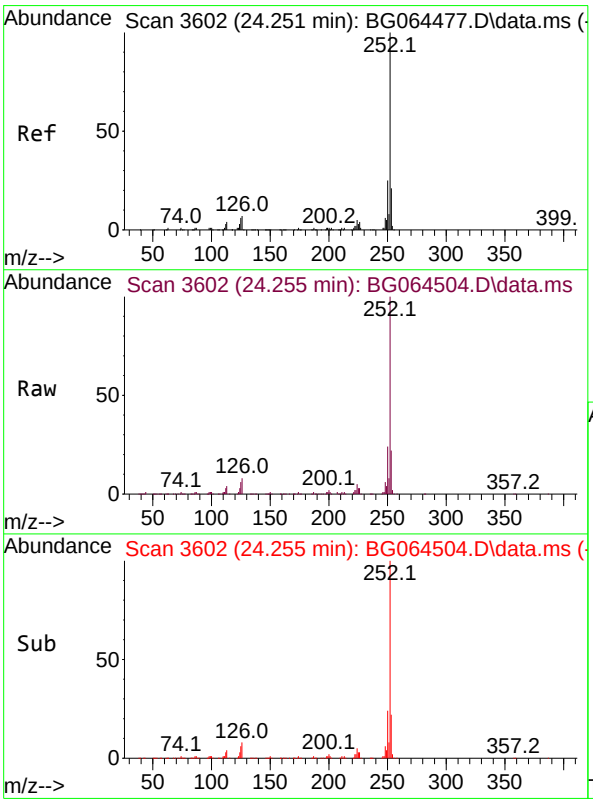
Tgt Ion:252 Resp: 51970

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	5.3	4.0	6.0



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

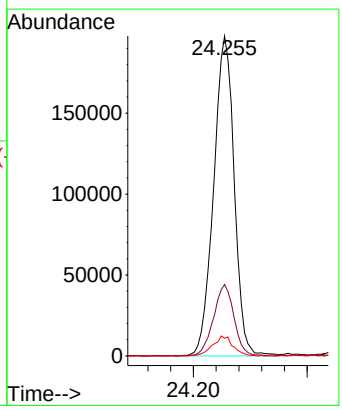
Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/15/2025
Supervised By :mohammad ahmed 10/17/2025

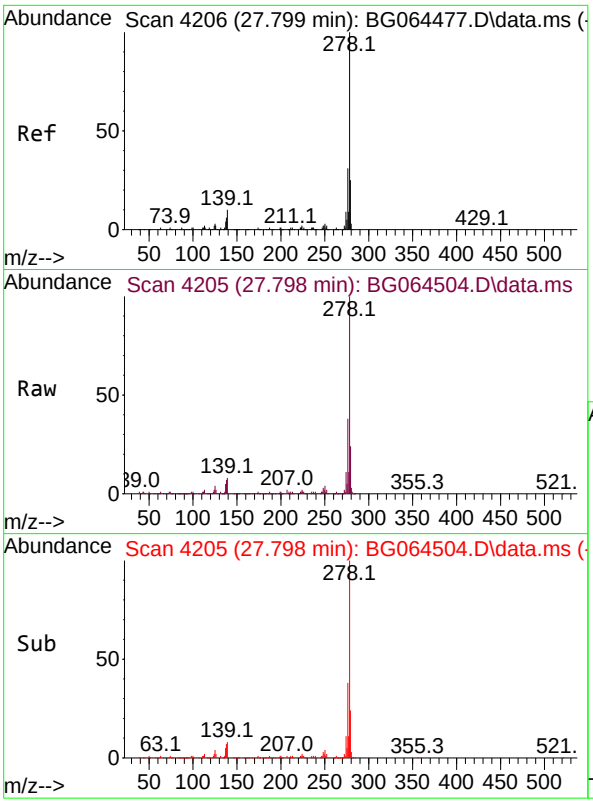


#90
Benzo(a)pyrene
Concen: 57.741 ng
RT: 24.255 min Scan# 3602
Delta R.T. 0.007 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

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

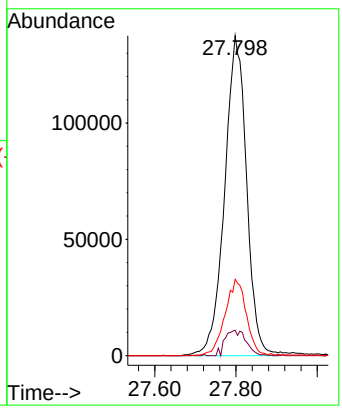




#91
Dibenzo(a,h)anthracene
Concen: 56.432 ng
RT: 27.798 min Scan# 4
Delta R.T. 0.018 min
Lab File: BG064504.D
Acq: 14 Oct 2025 17:33

Tgt Ion:278 Resp: 51474

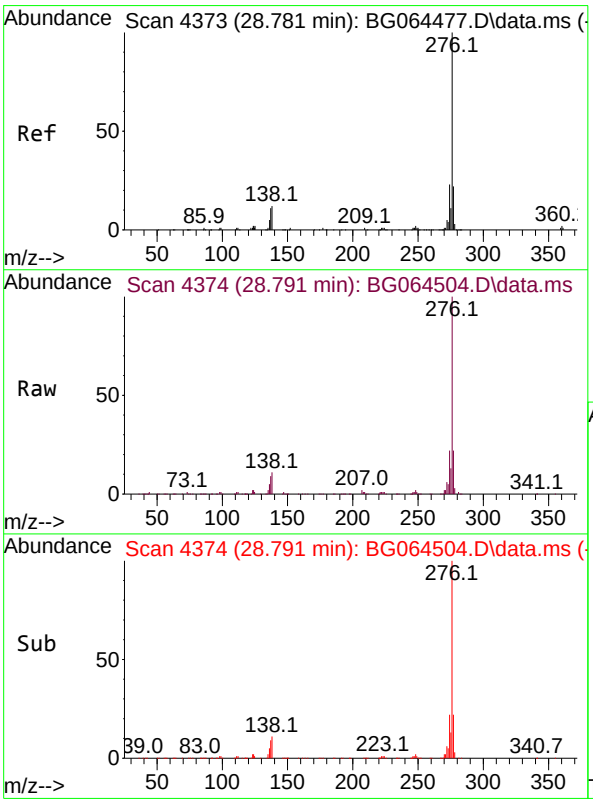
Ion	Ratio	Lower	Upper
278	100		
139	8.0	8.2	12.2
279	23.8	19.6	29.4



Instrument :
BNA_G
ClientSampleId :
P001-DS-01MSD

Manual Integrations
APPROVED

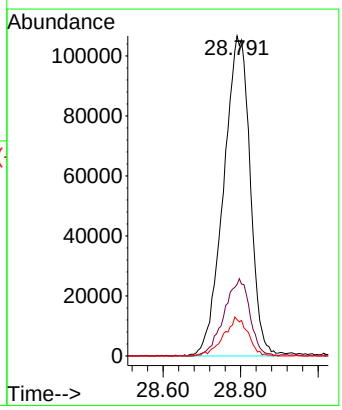
Reviewed By :Jagrut Upadhyay 10/15/2025
Supervised By :mohammad ahmed 10/17/2025



#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



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
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

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Manual Integration Report

Sequence:	BG100225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

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-Tetrachlorophenol	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

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch 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

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch 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

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch 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

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch 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

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170062

SOP ID :	M1311-TCLP-16		
SDG No :	N/A	**Start Prep Date :** 10/10/2025	**Time :** 17:00
Weigh By :	JP	**End Prep Date :** 10/11/2025	**Time :** 11:20
Balance ID :	WC SC-7	**Combination Ratio :**	20
pH Meter ID :	WC PH METER-1	**ZHE Cleaning Batch :**	~~N/A~~ TP
Extraction By :	JP	**Initial Room Temperature:**	23 °C
Filter By :	JP	**Final Room Temperature:**	22 °C
Pippete ID :	WC	**TCLP Technician Signature :**	TP
Tumbler ID :	T-1	**Supervisor By :**	R
TCLP Filter ID :	40718710		

Standared 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 fiftration 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	TP / [illegible]	SKB. RJ / [illegible]
	Preparation Group	Analysis Group [illegible]

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170062

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

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB170062

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:
Raw Sample Relinquished by: SM

Date/Time 10/10/25 17:30
Raw Sample Received by: SM
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170080

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	**Extraction End Date :**	10/13/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:10
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3953	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

Extraction Method: ☑ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared 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 (Ext Lab)	JG / SVOC
16:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170080

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
Q3321-02MSD	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

* **Extracts relinquished on the same date as received.**

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TCLP EXTRACTION LOGPAGE

PB170062

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

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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,S11073,S11484,S11652,S11807,S11808,S12197,S12199,S12200,S12201,S12220,S12221,S12245,S12306,S12307,S12507,S12508,S12552,S12553,S12554,S12555,S12556,S12557,S12558,S12559,S12560,S12577,S12739,S12776,S12903,S12904,S12905,S13089,S13090,S13091,S13092,S13093,S13094,S13095,S13096,S13097,S13118,S13119,S13120,S13149,S13160,S13170,S13175,S13178,S13207,S13214,S13233,S13239,S13240,S13241,S13242,S13243,S13244,S13269,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/10/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6871	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.04000ml of S12201 + 0.08000ml of S12905 + 0.10000ml of S11073 + 0.20000ml of S12560 + 0.20000ml of S13097 + 0.20000ml of S13244 + 1.18000ml of E3973 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6872	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.01000ml of S13175 + 0.60000ml of E3973 + 0.40000ml of SP6871 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6875	09/30/2025	03/30/2026	Rahul Chavli	None	None	Jagrut Upadhyay 09/30/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3973 = Final Quantity: 20.000 ml

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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

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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

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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,CH2Cl2,5ml	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,CH2Cl2,5ml	A0206381	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12221

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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] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

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] [CS 4978-1]	A0214021	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12508

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] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

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Fax : 908 789 8922

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] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12553

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] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12554

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] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12555

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] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12556

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] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12557

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] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12558

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Fax : 908 789 8922

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] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12559

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] [CS 4978-2]	A0214017	03/22/2026	09/22/2025 / Jagrut	07/23/2024 / RAHUL	S12560

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	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,CH2Cl2,5ml	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12903

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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,CH2Cl2,5ml	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,CH2Cl2,5ml	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, CH2Cl2 [New Solvent 100% CH2Cl2]	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, CH2Cl2 [New Solvent 100% CH2Cl2]	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, CH2Cl2 [New Solvent 100% CH2Cl2]	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, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13092

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Fax : 908 789 8922

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, CH2Cl2 [New Solvent 100% CH2Cl2]	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, CH2Cl2 [New Solvent 100% CH2Cl2]	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, CH2Cl2 [New Solvent 100% CH2Cl2]	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, CH2Cl2 [New Solvent 100% CH2Cl2]	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, CH2Cl2 [New Solvent 100% CH2Cl2]	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

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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, CH2Cl2, 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, CH2Cl2, 1mL	A0224359	03/15/2026	09/15/2025 / rahul	06/02/2025 / anahy	S13175

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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, CH2Cl2, 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, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

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] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13239

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] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13240

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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] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13241

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] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13242

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] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13243

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] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13244

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] [CS 4978-2]	A0228494	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13269

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 / Iwona	07/03/2024 / Iwona	W3112

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 02/06/23 by CG

S11071 to S11075

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	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 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)

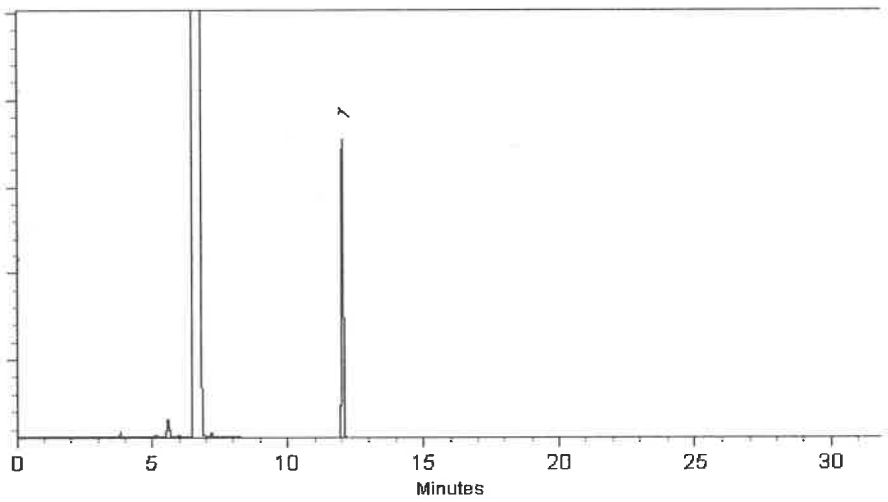
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

avantor™ | J.T.Baker

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 ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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

JCroak
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

VWR®

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:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 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.

E 3657	E 3659
E 3654	E 3660

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375**)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_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 foreing 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™ | J.T.Baker

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 ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

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)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor™ | J.T.Baker

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_2SO_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 SO2)	<= 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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

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

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Certificate of Analysis

gravimetric

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

S11484 ↓ S11493 Y.P. 08/10/23

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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. : 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.)

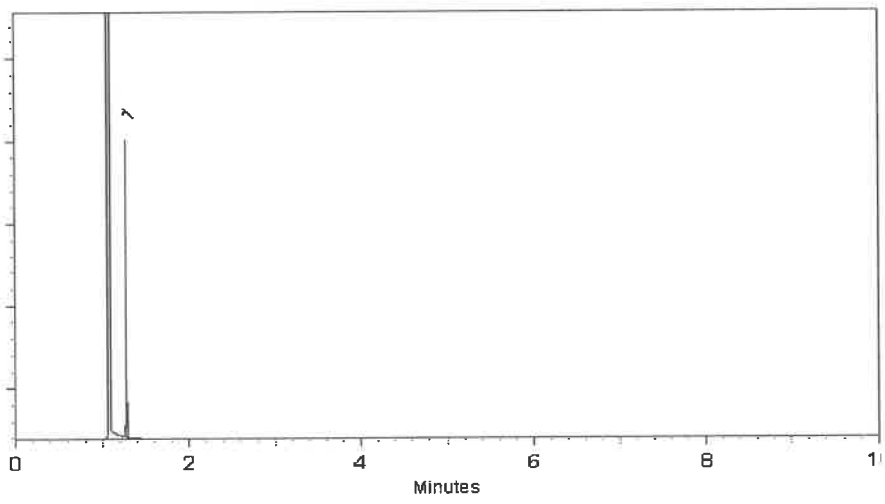
Inj. Temp:
250°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

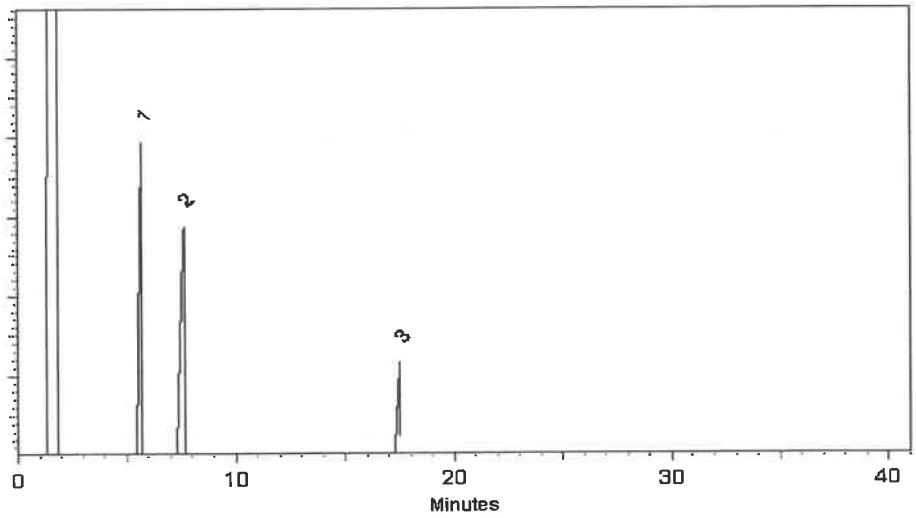
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

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

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-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.)

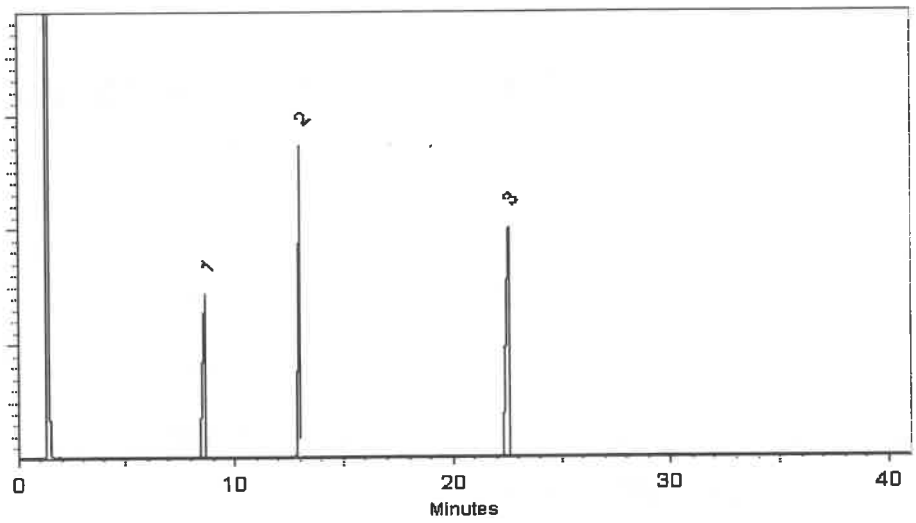
Inj. Temp:
250°C

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.

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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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

S12242 ↓ S12254 RC/ 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.)

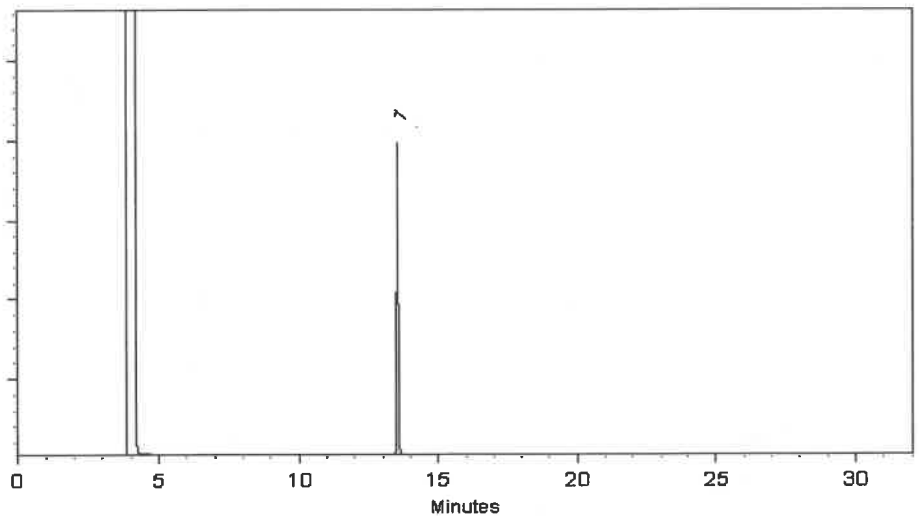
Inj. Temp:
200°C

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 - Operations Tech I

Date Mixed: 16-Jan-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

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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.

S12302 ↓ S12311 RC 5/30/24

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

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.)

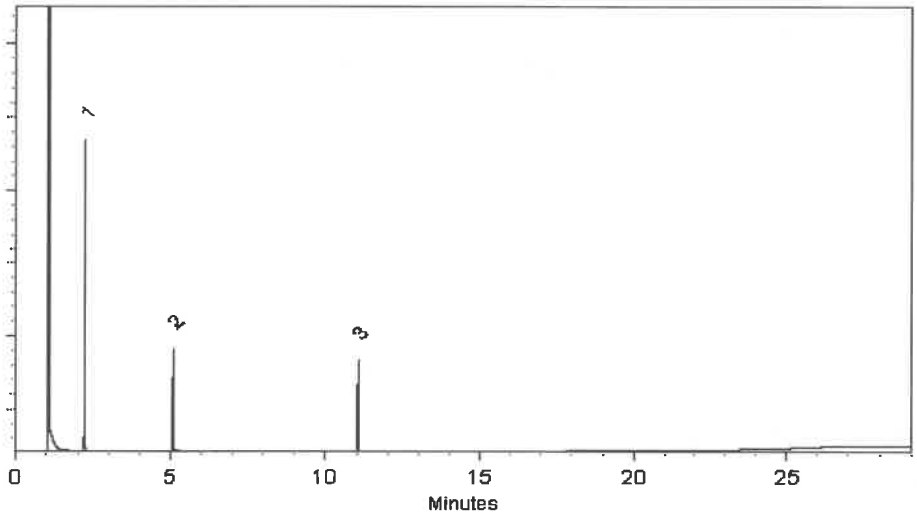
Inj. Temp:
250°C

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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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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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 ↓ S12568 } RC/ 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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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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. : 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 ↓ S12579 } RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

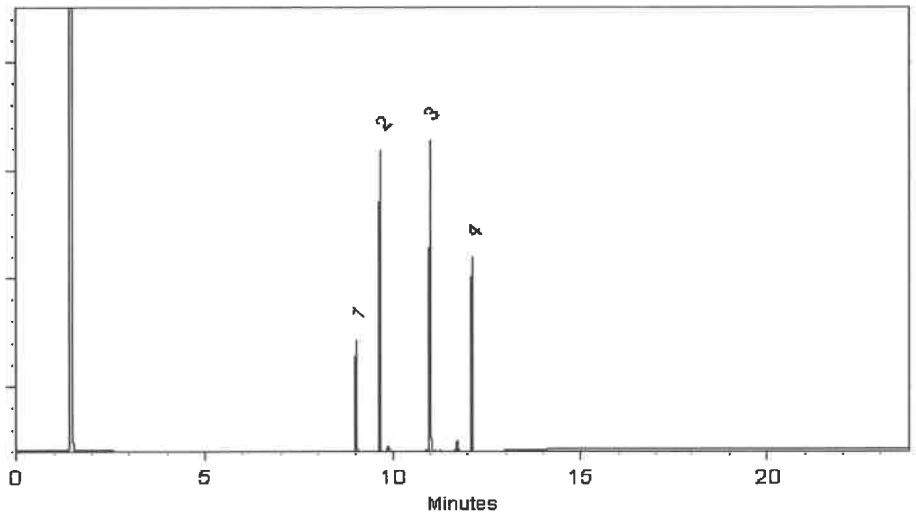
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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

S12736 ↓ S12754 } AC 10/9/24

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

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.

Absolute Standards, Inc.
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

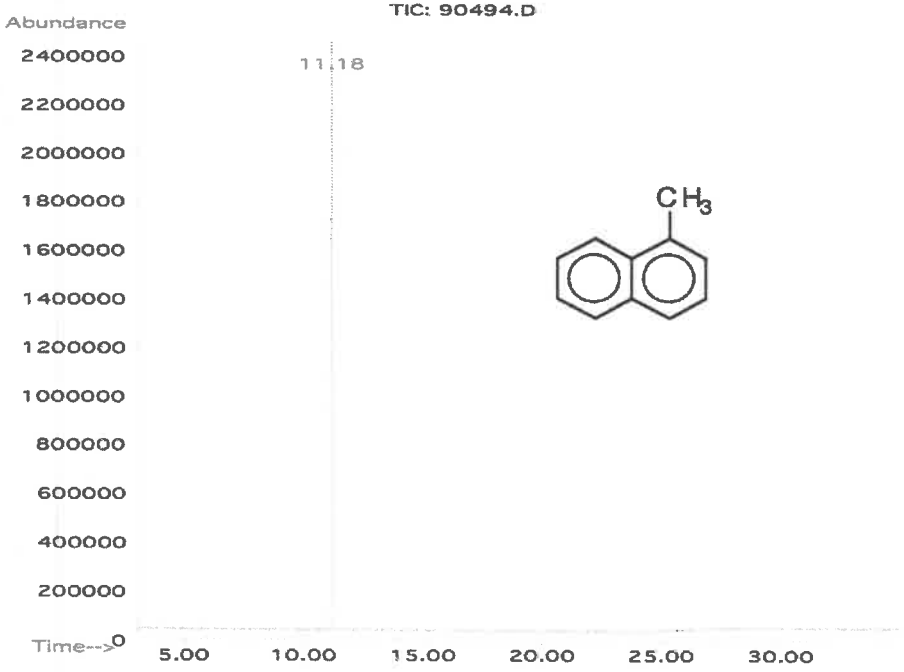
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

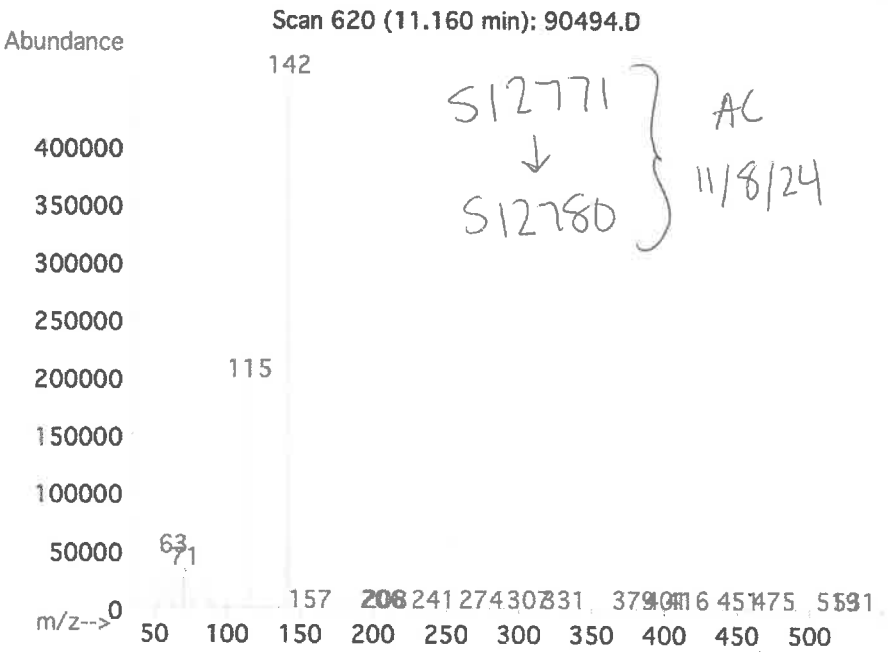
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By:	Prashant Chauhan	061323 DATE
Reviewed By:	Pedro L. Rentas	061323 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-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.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

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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

S13088 ↓ S13117 RC 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.)

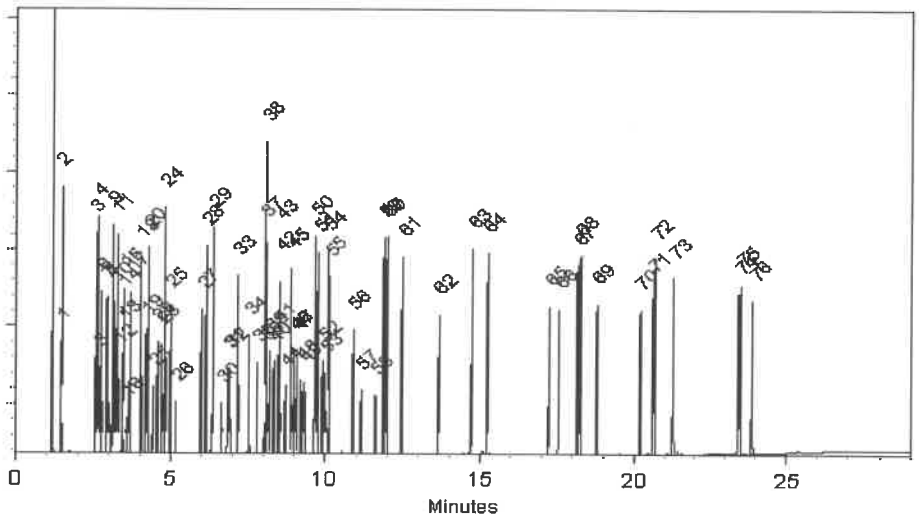
Inj. Temp:
250°C

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

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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 ↓ 513147 } RC/ 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.)

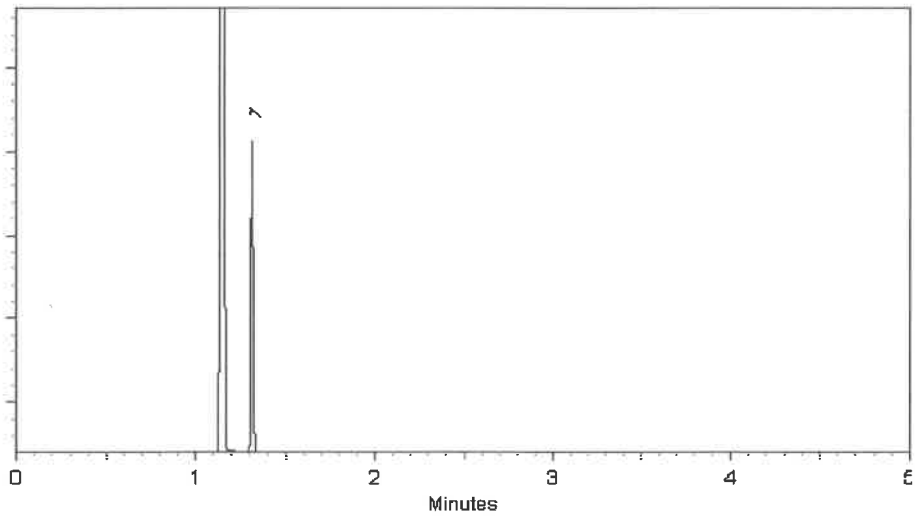
Inj. Temp:
250°C

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

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. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

S13158 ↓ S13167 } RC/ 6/4/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **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	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 Dillon Murphy at 11:21 am, Jun 03, 2025

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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

S13168 ↓ S13197 } AC 6/9/25

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

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.

S13198 → S13207 AC 6/11/25

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

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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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. : 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 ↓ S13218 AC 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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

513229 ↓ 513238 RC 8/1/25

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

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.)

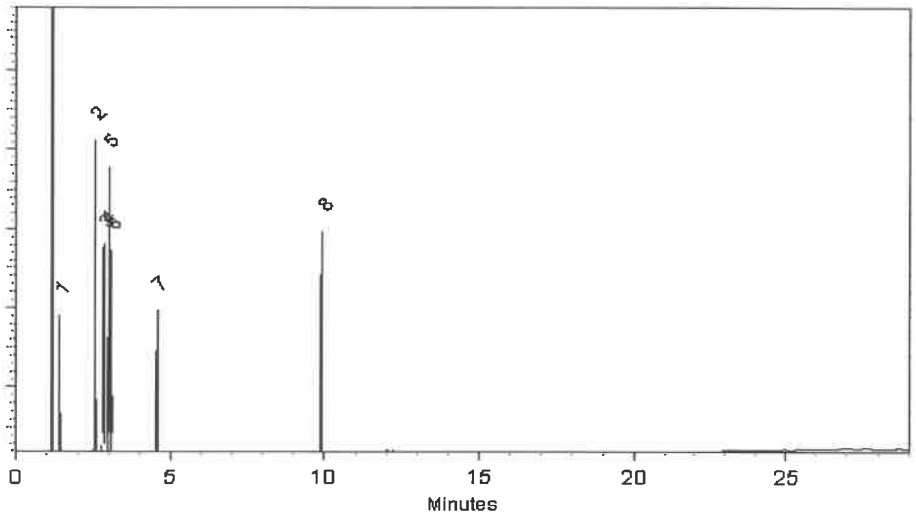
Inj. Temp:
250°C

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 - Operation Tech I **Date Mixed:** 27-Jul-2025 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 30-Jul-2025 REVIEWED

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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

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 Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0228494

S13269 ↓ S13298 } RC 08/06/25

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

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

RESTEK
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

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Catalog No. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

513148 ↓ 513157 RC 11/13/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 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	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 1600hrs		10/9/25 10:00	IR Gun #1 3.4 °C

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	

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 ANALYSIS	USEPA	10/8/25 1600 hrs		1000 10/9/25	IR Gun #1 3.4 C

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3321 ROYF02
Client Name : Weston Solutions, Inc.
Client Contact : Smita Sumbaly
Invoice Name : Weston Solutions, Inc.
Invoice Contact : Smita Sumbaly

Order Date : 10/9/2025 10:30:00 AM
Project Name : RFP ~~905~~ 918
Receive DateTime : 10/9/2025 ~~12:00:00 AM~~ 10:00
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
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

Relinguished By :
Date / Time : 10/9/25 10:00

Received By :
Date / Time : 10/09/25

Storage Area : VOA Refridgerator Room